



# IES INDOOR REPORT

PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 2020032602

[TESTLAB]

[TESTDATE] 2020-03-26

[ISSUEDATE] 2020-03-26 10:33:16

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-2000H\_V1 SYSTEM

[MANUFAC] ERCO

[LUMINAIRE]

[LAMP] WMC

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	82.77	82.77	26.80	26.80
[OTHER]	10- 20	125.66	208.43	67.49	67.49
[OTHER]	20- 30	61.51	269.94	87.40	87.40
[OTHER]	30- 40	24.87	294.81	95.46	95.46
[OTHER]	40- 50	7.32	302.13	97.83	97.83
[OTHER]	50- 60	3.01	305.14	98.80	98.80
[OTHER]	60- 70	1.82	306.96	99.39	99.39
[OTHER]	70- 80	1.18	308.14	99.77	99.77
[OTHER]	80- 90	0.70	308.84	100.00	100.00
[OTHER]	90-100	0.00	308.84	100.00	100.00
[OTHER]	100-110	0.00	308.84	100.00	100.00
[OTHER]	110-120	0.00	308.84	100.00	100.00
[OTHER]	120-130	0.00	308.84	100.00	100.00
[OTHER]	130-140	0.00	308.84	100.00	100.00
[OTHER]	140-150	0.00	308.84	100.00	100.00
[OTHER]	150-160	0.00	308.84	100.00	100.00
[OTHER]	160-170	0.00	308.84	100.00	100.00
[OTHER]	170-180	0.00	308.84	100.00	100.00
[OTHER]					

Note: Candela values converted from Type-B to Type-C

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**CHARACTERISTICS**

Lumens Per Lamp	308.84 (1 lamp)
Total Lamp Lumens	308.84
Luminaire Lumens	310
Total Luminaire Efficiency	101 %
Luminaire Efficacy Rating (LER)	310
Total Luminaire Watts	1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.08 m (Diameter)
Luminous Width (90-270)	0.08 m (Diameter)
Luminous Height	0.00 m

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1862	1740	1729
55	1233	893	903
65	1024	781	662
75	1115	997	551
85	1966	1925	662

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**CANDELA TABULATION**

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	930.23	930.30	930.39	930.50	930.64	930.81	930.99	931.20	931.43	931.71
<b>5.0</b>	893.65	893.89	894.41	895.21	896.27	897.34	898.27	899.50	901.04	902.68
<b>7.5</b>	785.22	786.01	787.54	789.83	790.67	792.16	794.10	795.42	796.75	799.03
<b>10.0</b>	652.86	654.35	656.82	656.83	656.38	655.32	652.47	650.78	647.45	645.42
<b>12.5</b>	530.40	531.83	533.68	532.57	531.18	527.43	527.20	517.72	512.05	506.04
<b>15.0</b>	407.95	409.20	409.99	409.56	407.50	404.80	401.06	396.74	392.25	386.06
<b>17.5</b>	285.50	286.41	287.13	287.61	287.63	286.90	285.95	284.55	280.46	280.46
<b>20.0</b>	163.05	163.46	165.10	167.82	171.38	175.33	179.08	181.44	185.83	189.36
<b>22.5</b>	134.49	134.41	134.19	134.03	133.80	133.28	131.91	131.14	130.80	130.25
<b>25.0</b>	105.92	106.08	106.14	106.14	106.06	105.42	104.72	104.60	104.47	103.90
<b>27.5</b>	77.35	77.77	78.10	78.44	78.56	78.32	78.44	78.89	79.44	78.87
<b>30.0</b>	48.79	49.51	50.20	51.00	51.49	51.97	52.88	53.68	54.21	56.10
<b>32.5</b>	41.65	42.12	42.20	42.07	41.24	40.38	39.69	38.30	37.05	36.46
<b>35.0</b>	34.52	34.92	34.98	34.78	34.10	33.47	32.90	31.43	30.86	30.43
<b>37.5</b>	27.39	27.71	27.78	27.59	27.11	26.73	26.06	25.30	25.03	24.58
<b>40.0</b>	20.25	20.51	20.58	20.49	20.28	20.15	19.67	19.41	19.38	18.98
<b>42.5</b>	13.11	13.30	13.40	13.48	13.75	13.66	13.62	13.80	13.96	13.71
<b>45.0</b>	7.30	7.39	7.43	7.51	7.68	7.75	7.88	8.37	8.82	9.03
<b>47.5</b>	5.46	5.49	5.44	5.42	5.42	5.35	5.34	5.27	5.42	5.66
<b>50.0</b>	4.95	4.98	4.92	4.90	4.90	4.85	4.82	4.77	4.68	4.63
<b>52.5</b>	4.43	4.45	4.40	4.40	4.40	4.35	4.30	4.28	4.20	4.09
<b>55.0</b>	3.92	3.92	3.88	3.89	3.88	3.85	3.81	3.78	3.73	3.59
<b>57.5</b>	3.40	3.40	3.37	3.38	3.37	3.35	3.31	3.30	3.27	3.14
<b>60.0</b>	2.88	2.88	2.85	2.86	2.87	2.84	2.82	2.83	2.81	2.75
<b>62.5</b>	2.64	2.64	2.61	2.61	2.61	2.56	2.53	2.52	2.46	2.43
<b>65.0</b>	2.40	2.40	2.38	2.38	2.38	2.35	2.34	2.34	2.29	2.26
<b>67.5</b>	2.16	2.16	2.15	2.16	2.16	2.15	2.15	2.15	2.13	2.10
<b>70.0</b>	1.92	1.92	1.93	1.93	1.94	1.95	1.97	1.97	1.96	1.94
<b>72.5</b>	1.76	1.76	1.76	1.77	1.78	1.78	1.80	1.79	1.80	1.78
<b>75.0</b>	1.60	1.60	1.60	1.61	1.62	1.63	1.64	1.63	1.64	1.63
<b>77.5</b>	1.43	1.44	1.45	1.46	1.46	1.47	1.48	1.48	1.48	1.47
<b>80.0</b>	1.27	1.28	1.28	1.30	1.31	1.31	1.32	1.32	1.32	1.31
<b>82.5</b>	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.16	1.16	1.15
<b>85.0</b>	0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.00	1.00	1.00
<b>87.5</b>	0.78	0.80	0.81	0.82	0.83	0.84	0.85	0.85	0.85	0.84
<b>90.0</b>	0.62	0.64	0.65	0.66	0.68	0.69	0.69	0.69	0.69	0.69

**Vert. Angles**      **Horizontal Angles**

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	931.95	932.24	932.55	932.90	933.55	933.69	934.14	934.62	935.13	935.67
<b>5.0</b>	904.35	905.61	907.24	909.26	914.81	913.49	912.44	911.66	911.16	910.95
<b>7.5</b>	801.11	803.25	806.45	810.64	814.55	818.71	820.15	822.36	825.05	828.72
<b>10.0</b>	643.99	643.29	643.62	645.02	647.62	651.93	657.27	664.11	672.26	680.84
<b>12.5</b>	499.23	491.53	484.67	478.69	473.03	468.49	474.38	481.33	489.37	498.38
<b>15.0</b>	380.61	375.86	371.29	366.58	361.66	356.56	351.74	346.88	342.19	337.32
<b>17.5</b>	278.98	277.01	274.79	272.00	267.47	266.87	262.53	259.69	256.79	254.35
<b>20.0</b>	192.16	193.90	195.05	195.84	196.17	196.08	195.59	194.52	192.89	191.69
<b>22.5</b>	129.42	128.91	132.54	137.72	141.49	143.86	145.13	145.47	146.23	146.50
<b>25.0</b>	103.68	104.24	105.09	105.74	105.89	105.39	108.06	110.87	112.65	113.59
<b>27.5</b>	79.78	81.02	81.94	82.37	82.89	84.05	85.30	86.01	86.19	86.72
<b>30.0</b>	57.26	58.78	59.73	60.75	62.30	63.79	64.64	65.28	65.26	64.99

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**CANDELA TABULATION - (Cont.)**

32.5	35.74	37.51	39.04	41.07	43.13	44.70	45.72	46.01	46.32	46.31
35.0	29.55	28.03	26.86	25.98	25.50	27.09	28.39	29.62	30.26	30.65
37.5	23.38	22.53	21.85	20.85	19.13	17.37	15.91	16.57	18.08	18.96
40.0	18.22	17.73	17.12	15.89	14.52	13.32	12.47	11.58	10.69	11.06
42.5	13.53	13.32	12.68	11.81	10.94	10.30	9.60	8.96	8.59	8.17
45.0	9.26	9.19	8.93	8.55	8.12	7.75	7.30	7.11	6.82	6.53
47.5	5.70	5.64	5.90	5.96	5.85	5.74	5.70	5.58	5.40	5.44
50.0	4.29	4.19	4.15	4.16	4.10	4.24	4.34	4.33	4.40	4.47
52.5	3.85	3.81	3.69	3.47	3.36	3.32	3.35	3.37	3.52	3.60
55.0	3.46	3.41	3.28	3.12	3.07	3.00	2.90	2.85	2.84	2.86
57.5	3.11	3.01	2.90	2.81	2.77	2.69	2.63	2.57	2.53	2.49
60.0	2.73	2.66	2.58	2.53	2.49	2.42	2.38	2.33	2.29	2.25
62.5	2.36	2.33	2.28	2.26	2.21	2.17	2.14	2.09	2.06	2.03
65.0	2.20	2.16	2.09	2.05	1.98	1.94	1.90	1.87	1.83	1.81
67.5	2.04	2.01	1.96	1.92	1.86	1.82	1.75	1.68	1.64	1.63
70.0	1.90	1.87	1.84	1.80	1.76	1.71	1.66	1.60	1.55	1.49
72.5	1.76	1.73	1.72	1.69	1.67	1.62	1.58	1.53	1.49	1.43
75.0	1.60	1.58	1.56	1.55	1.53	1.51	1.49	1.47	1.43	1.37
77.5	1.45	1.43	1.42	1.41	1.39	1.37	1.35	1.33	1.31	1.28
80.0	1.29	1.28	1.27	1.26	1.25	1.23	1.22	1.20	1.18	1.16
82.5	1.14	1.13	1.12	1.12	1.10	1.09	1.08	1.06	1.05	1.05
85.0	0.98	0.98	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.92
87.5	0.84	0.83	0.83	0.83	0.83	0.82	0.82	0.81	0.81	0.81
90.0	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69

**Vert. Horizontal Angles**  
**Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
2.5	936.33	936.86	937.28	937.71	938.18	938.70	939.26	939.86	940.50	941.17
5.0	911.01	910.99	911.63	912.09	912.89	914.00	915.43	917.13	919.11	921.34
7.5	833.37	837.73	844.38	852.12	851.75	853.09	855.24	856.25	861.46	865.01
10.0	690.68	698.60	708.76	714.11	720.76	728.68	737.43	744.05	747.71	752.75
12.5	507.97	518.25	528.95	540.07	551.76	562.15	569.06	576.73	585.27	587.44
15.0	341.01	352.45	363.55	373.92	381.24	392.92	402.02	409.85	415.13	421.09
17.5	251.31	248.80	246.78	251.90	260.06	267.52	273.65	278.85	283.24	285.27
20.0	190.23	189.00	188.01	187.34	187.00	189.69	192.99	196.19	198.48	200.28
22.5	146.51	146.52	146.57	146.92	147.30	147.68	148.42	149.76	151.40	152.64
25.0	114.15	114.60	114.74	115.15	115.26	116.03	117.15	118.31	119.30	120.15
27.5	87.49	87.67	87.97	87.72	88.65	89.15	90.09	91.49	93.88	93.86
30.0	64.64	64.44	64.32	63.93	64.77	65.69	66.46	68.19	69.66	70.97
32.5	45.67	44.45	43.07	43.56	44.76	45.53	46.25	47.02	47.70	48.44
35.0	30.15	29.90	29.15	27.40	27.85	28.50	29.07	29.58	30.43	31.28
37.5	19.53	19.29	18.63	17.70	16.79	16.48	17.96	19.19	19.70	19.95
40.0	11.99	12.23	12.01	11.68	11.78	11.88	12.12	12.57	12.57	12.46
42.5	7.77	8.08	8.60	8.87	8.99	8.78	8.57	8.53	8.65	8.72
45.0	6.50	6.52	6.42	6.60	6.54	6.54	6.55	6.60	6.63	6.67
47.5	5.45	5.37	5.14	4.97	5.16	5.26	5.23	5.22	5.30	5.31
50.0	4.45	4.31	4.25	4.29	4.22	4.14	4.13	4.20	4.31	4.34
52.5	3.58	3.58	3.63	3.58	3.42	3.28	3.29	3.38	3.42	3.37
55.0	2.95	3.02	3.02	2.92	2.83	2.77	2.69	2.70	2.77	2.82
57.5	2.48	2.49	2.49	2.46	2.40	2.37	2.33	2.31	2.32	2.38
60.0	2.22	2.15	2.13	2.10	2.08	2.06	2.04	2.01	1.98	2.01
62.5	1.99	1.94	1.88	1.84	1.82	1.80	1.78	1.75	1.72	1.69
65.0	1.77	1.72	1.68	1.64	1.61	1.58	1.56	1.54	1.52	1.51
67.5	1.58	1.54	1.51	1.46	1.44	1.40	1.39	1.37	1.35	1.31

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**CANDELA TABULATION - (Cont.)**

<b>70.0</b>	1.40	1.36	1.33	1.31	1.26	1.25	1.23	1.21	1.20	1.17
<b>72.5</b>	1.37	1.30	1.21	1.14	1.12	1.11	1.09	1.08	1.07	1.05
<b>75.0</b>	1.32	1.26	1.20	1.12	1.05	0.95	0.95	0.94	0.94	0.92
<b>77.5</b>	1.28	1.24	1.19	1.12	1.05	0.98	0.91	0.83	0.81	0.80
<b>80.0</b>	1.16	1.11	1.10	1.07	1.05	0.99	0.94	0.87	0.77	0.69
<b>82.5</b>	1.03	1.00	0.98	0.96	0.95	0.92	0.91	0.90	0.84	0.77
<b>85.0</b>	0.90	0.89	0.86	0.85	0.85	0.83	0.83	0.83	0.81	0.80
<b>87.5</b>	0.78	0.77	0.75	0.75	0.75	0.74	0.76	0.76	0.75	0.74
<b>90.0</b>	0.66	0.66	0.64	0.65	0.65	0.65	0.70	0.70	0.70	0.70

**Vert. Angles**      **Horizontal Angles**

	<u><b>75.0</b></u>	<u><b>77.5</b></u>	<u><b>80.0</b></u>	<u><b>82.5</b></u>	<u><b>85.0</b></u>	<u><b>87.5</b></u>	<u><b>90.0</b></u>	<u><b>92.5</b></u>	<u><b>95.0</b></u>	<u><b>97.5</b></u>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	941.86	942.59	943.33	944.09	944.87	945.65	946.44	946.46	946.47	946.49
<b>5.0</b>	923.78	926.43	928.78	931.99	935.22	938.46	941.71	941.48	941.24	941.01
<b>7.5</b>	869.27	874.21	879.78	885.91	892.56	899.67	907.19	906.89	906.94	907.33
<b>10.0</b>	759.12	766.77	775.61	781.66	794.92	808.24	821.58	820.65	819.73	818.81
<b>12.5</b>	598.34	605.07	613.31	623.09	634.46	647.47	662.15	661.66	662.95	666.06
<b>15.0</b>	427.39	431.41	436.62	443.28	447.27	460.36	473.48	471.82	470.17	478.34
<b>17.5</b>	286.88	289.57	292.77	296.87	302.07	308.58	316.60	316.74	318.67	322.44
<b>20.0</b>	202.39	204.43	206.44	208.50	209.03	214.37	219.72	219.21	218.70	223.61
<b>22.5</b>	154.29	154.32	156.97	158.38	160.33	162.39	165.31	165.56	166.58	168.37
<b>25.0</b>	121.31	122.72	123.59	124.37	125.03	125.93	128.10	127.92	129.12	130.70
<b>27.5</b>	94.24	94.88	95.36	96.09	96.56	97.54	99.09	99.15	99.81	101.07
<b>30.0</b>	70.88	71.25	72.00	72.68	73.30	74.02	75.87	75.52	76.35	77.39
<b>32.5</b>	48.97	49.20	49.22	50.21	50.68	51.32	52.49	52.33	52.72	53.55
<b>35.0</b>	32.22	32.41	32.72	33.22	33.83	34.36	35.82	35.29	35.72	36.25
<b>37.5</b>	19.95	20.05	20.42	20.99	21.36	21.62	22.23	22.21	22.56	22.97
<b>40.0</b>	12.44	12.46	12.67	12.88	13.05	13.22	13.81	13.56	13.84	14.21
<b>42.5</b>	8.85	8.94	8.97	8.83	8.91	9.11	9.40	9.25	9.23	9.31
<b>45.0</b>	6.68	6.71	6.73	6.72	6.79	6.74	6.78	6.80	6.95	7.05
<b>47.5</b>	5.31	5.35	5.42	5.46	5.50	5.49	5.52	5.54	5.57	5.56
<b>50.0</b>	4.32	4.28	4.29	4.40	4.53	4.50	4.42	4.48	4.57	4.58
<b>52.5</b>	3.41	3.46	3.45	3.43	3.54	3.57	3.56	3.61	3.66	3.66
<b>55.0</b>	2.84	2.82	2.81	2.79	2.87	2.90	2.87	2.93	2.95	2.92
<b>57.5</b>	2.44	2.46	2.41	2.37	2.44	2.51	2.43	2.54	2.51	2.48
<b>60.0</b>	2.07	2.13	2.10	2.06	2.09	2.15	2.08	2.17	2.15	2.15
<b>62.5</b>	1.75	1.82	1.83	1.80	1.78	1.88	1.79	1.89	1.83	1.87
<b>65.0</b>	1.48	1.54	1.61	1.56	1.52	1.61	1.55	1.64	1.60	1.65
<b>67.5</b>	1.27	1.30	1.36	1.36	1.31	1.40	1.30	1.42	1.35	1.43
<b>70.0</b>	1.14	1.09	1.15	1.21	1.14	1.19	1.12	1.19	1.17	1.27
<b>72.5</b>	1.00	0.98	0.94	1.01	1.01	0.99	0.93	0.99	1.02	1.07
<b>75.0</b>	0.91	0.86	0.83	0.82	0.88	0.81	0.79	0.82	0.91	0.86
<b>77.5</b>	0.80	0.79	0.73	0.66	0.75	0.68	0.66	0.68	0.78	0.69
<b>80.0</b>	0.68	0.68	0.66	0.58	0.56	0.57	0.53	0.57	0.57	0.60
<b>82.5</b>	0.65	0.55	0.54	0.54	0.44	0.51	0.40	0.51	0.43	0.53
<b>85.0</b>	0.77	0.69	0.54	0.44	0.44	0.36	0.32	0.36	0.42	0.38
<b>87.5</b>	0.73	0.71	0.69	0.70	0.48	0.23	0.10	0.27	0.33	0.37
<b>90.0</b>	0.70	0.70	0.69	0.69	0.62	0.58	0.04	0.06	0.17	0.24

**Vert. Angles**      **Horizontal Angles**

	<u><b>100.0</b></u>	<u><b>102.5</b></u>	<u><b>105.0</b></u>	<u><b>107.5</b></u>	<u><b>110.0</b></u>	<u><b>112.5</b></u>	<u><b>115.0</b></u>	<u><b>117.5</b></u>	<u><b>120.0</b></u>	<u><b>122.5</b></u>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	946.51	946.53	946.55	946.57	946.60	946.63	946.66	946.69	946.73	946.77

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>5.0</b>	940.78	940.93	940.88	940.87	940.89	940.88	941.07	941.22	941.41	941.65
<b>7.5</b>	908.05	909.10	910.41	912.18	914.20	914.81	917.70	919.62	921.77	923.81
<b>10.0</b>	824.48	827.28	830.91	835.37	840.66	846.77	850.89	853.15	855.76	859.28
<b>12.5</b>	671.05	677.95	686.80	690.98	704.17	710.70	718.64	727.94	732.61	736.22
<b>15.0</b>	484.19	492.05	501.77	509.03	517.56	528.45	537.50	546.56	553.35	567.91
<b>17.5</b>	328.12	335.70	342.10	349.43	357.02	362.45	370.83	381.48	392.65	405.57
<b>20.0</b>	227.17	230.97	235.05	239.48	245.40	251.59	258.78	267.46	274.08	280.20
<b>22.5</b>	170.81	171.97	176.59	179.59	183.06	188.08	193.70	196.77	199.88	203.47
<b>25.0</b>	132.67	135.05	137.53	140.50	143.97	147.06	148.04	148.98	151.15	153.50
<b>27.5</b>	102.56	104.54	106.80	109.60	113.04	113.56	114.44	115.53	116.97	117.79
<b>30.0</b>	78.66	80.18	82.17	84.50	84.26	84.81	85.18	86.67	88.28	89.94
<b>32.5</b>	54.30	56.56	58.72	59.70	59.90	60.44	61.24	62.18	63.70	65.36
<b>35.0</b>	37.04	38.11	39.50	39.54	39.84	40.11	40.72	41.36	42.81	43.63
<b>37.5</b>	23.45	24.36	24.80	25.11	25.41	25.81	26.20	26.59	27.35	28.51
<b>40.0</b>	14.66	15.15	15.32	15.49	15.65	15.88	16.03	16.90	17.83	18.52
<b>42.5</b>	9.67	9.98	10.11	10.16	10.18	10.20	10.62	11.14	11.60	12.02
<b>45.0</b>	7.18	7.21	7.26	7.36	7.44	7.52	7.64	7.83	8.17	8.35
<b>47.5</b>	5.76	5.88	5.83	5.89	6.00	5.96	5.92	6.05	6.12	6.18
<b>50.0</b>	4.57	4.55	4.59	4.63	4.77	4.79	4.85	4.81	4.86	5.02
<b>52.5</b>	3.65	3.72	3.84	3.82	3.79	3.80	3.84	3.93	4.03	4.09
<b>55.0</b>	2.95	3.03	3.06	3.10	3.10	3.07	3.07	3.24	3.33	3.42
<b>57.5</b>	2.52	2.57	2.57	2.56	2.56	2.57	2.60	2.67	2.77	2.83
<b>60.0</b>	2.21	2.26	2.20	2.18	2.18	2.21	2.26	2.28	2.34	2.38
<b>62.5</b>	1.94	1.94	1.90	1.88	1.89	1.93	1.96	1.98	2.00	2.02
<b>65.0</b>	1.71	1.66	1.63	1.64	1.67	1.69	1.71	1.73	1.72	1.72
<b>67.5</b>	1.44	1.40	1.39	1.44	1.46	1.48	1.50	1.48	1.49	1.47
<b>70.0</b>	1.20	1.18	1.21	1.25	1.30	1.28	1.28	1.26	1.25	1.24
<b>72.5</b>	0.99	1.03	1.08	1.12	1.10	1.09	1.07	1.05	1.04	1.03
<b>75.0</b>	0.85	0.91	0.95	0.95	0.92	0.89	0.87	0.87	0.88	0.90
<b>77.5</b>	0.75	0.81	0.78	0.75	0.74	0.70	0.74	0.77	0.79	0.81
<b>80.0</b>	0.68	0.64	0.59	0.56	0.61	0.64	0.67	0.69	0.70	0.71
<b>82.5</b>	0.48	0.45	0.49	0.52	0.56	0.57	0.59	0.58	0.59	0.60
<b>85.0</b>	0.36	0.42	0.45	0.46	0.46	0.45	0.47	0.47	0.47	0.48
<b>87.5</b>	0.35	0.35	0.36	0.35	0.35	0.36	0.36	0.36	0.36	0.36
<b>90.0</b>	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

**Vert. Angles**      **Horizontal Angles**

	<b><u>125.0</u></b>	<b><u>127.5</u></b>	<b><u>130.0</u></b>	<b><u>132.5</u></b>	<b><u>135.0</u></b>	<b><u>137.5</u></b>	<b><u>140.0</u></b>	<b><u>142.5</u></b>	<b><u>145.0</u></b>	<b><u>147.5</u></b>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	946.82	946.86	946.89	946.54	946.38	946.23	946.09	945.90	945.71	945.53
<b>5.0</b>	941.93	942.13	942.77	943.33	943.96	944.68	945.46	946.32	946.45	946.41
<b>7.5</b>	924.56	924.79	925.37	925.84	926.73	928.03	928.87	929.59	930.48	931.57
<b>10.0</b>	863.72	864.86	867.61	869.45	872.56	875.25	878.78	882.95	887.81	892.93
<b>12.5</b>	741.41	747.58	754.54	763.59	772.40	780.77	790.69	799.99	800.73	799.13
<b>15.0</b>	580.01	592.35	604.93	614.56	619.09	623.70	628.38	633.16	633.72	633.96
<b>17.5</b>	417.46	427.18	437.38	446.73	455.26	462.35	468.10	472.03	472.60	477.72
<b>20.0</b>	287.50	295.88	305.03	313.52	320.36	327.81	333.11	336.60	337.80	337.14
<b>22.5</b>	208.01	212.47	216.37	221.56	226.16	229.33	230.87	230.23	227.26	221.68
<b>25.0</b>	156.60	159.59	162.28	164.78	165.84	165.53	163.27	160.66	162.23	164.72
<b>27.5</b>	120.61	122.79	124.85	125.44	127.25	128.07	128.53	129.40	130.55	131.58
<b>30.0</b>	92.33	94.52	96.36	97.27	97.93	98.57	99.28	99.96	100.54	101.00
<b>32.5</b>	67.55	69.50	70.75	71.94	72.53	72.51	72.45	72.43	72.48	73.09
<b>35.0</b>	46.17	47.83	48.67	49.90	50.04	50.54	49.31	48.09	47.01	49.56
<b>37.5</b>	29.62	30.78	31.53	31.57	31.40	31.16	32.19	33.77	35.91	38.38
<b>40.0</b>	18.94	19.18	19.02	18.15	18.67	21.00	23.84	26.31	27.53	29.17

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

42.5	12.08	11.72	11.53	12.67	13.83	15.23	17.03	19.19	20.74	21.46
45.0	8.07	8.26	8.75	9.45	10.31	11.16	12.15	13.41	14.56	15.09
47.5	6.47	6.66	6.81	7.07	7.63	8.19	8.68	9.18	9.64	9.67
50.0	5.16	5.33	5.44	5.52	5.67	5.90	6.08	6.10	6.00	5.94
52.5	4.19	4.26	4.32	4.32	4.28	4.22	4.31	4.29	4.51	4.66
55.0	3.44	3.46	3.43	3.36	3.30	3.34	3.48	3.66	3.82	3.96
57.5	2.86	2.83	2.79	2.79	2.83	2.87	2.94	3.09	3.20	3.30
60.0	2.39	2.40	2.41	2.41	2.45	2.46	2.51	2.56	2.66	2.70
62.5	2.05	2.06	2.07	2.08	2.08	2.11	2.11	2.11	2.15	2.14
65.0	1.73	1.74	1.75	1.76	1.75	1.75	1.75	1.71	1.72	1.75
67.5	1.47	1.46	1.46	1.43	1.44	1.44	1.50	1.50	1.53	1.55
70.0	1.20	1.18	1.19	1.22	1.26	1.28	1.31	1.33	1.34	1.36
72.5	1.02	1.05	1.06	1.09	1.12	1.13	1.14	1.16	1.16	1.17
75.0	0.92	0.92	0.95	0.97	0.98	0.99	1.00	1.01	1.02	1.03
77.5	0.82	0.82	0.84	0.85	0.85	0.86	0.88	0.88	0.89	0.90
80.0	0.71	0.71	0.71	0.72	0.73	0.74	0.74	0.75	0.76	0.77
82.5	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.63	0.63	0.64
85.0	0.48	0.48	0.48	0.49	0.49	0.50	0.50	0.50	0.50	0.51
87.5	0.37	0.37	0.37	0.37	0.37	0.38	0.37	0.38	0.38	0.38
90.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

Vert. Angles	Horizontal Angles									
	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
2.5	945.34	945.15	944.95	944.84	944.81	944.80	944.78	944.76	944.74	944.71
5.0	946.42	946.50	946.63	946.67	946.06	945.63	945.20	944.80	944.57	944.46
7.5	932.88	934.47	936.34	937.76	938.53	939.48	940.29	939.78	939.38	939.05
10.0	898.73	904.01	909.83	915.21	919.74	924.57	927.41	930.44	931.55	931.29
12.5	797.79	796.54	795.63	794.52	793.32	787.77	789.50	787.13	785.02	781.65
15.0	633.63	633.42	632.55	626.17	631.67	631.04	630.79	629.48	627.81	626.32
17.5	478.02	476.34	472.25	473.73	470.88	471.43	471.11	471.12	470.81	469.50
20.0	335.13	332.30	327.46	322.78	318.86	314.62	313.22	312.93	312.77	312.40
22.5	213.73	210.18	214.77	219.53	224.83	230.80	236.85	242.74	249.33	254.14
25.0	167.69	171.05	174.63	178.25	182.00	185.69	190.46	194.46	199.26	203.14
27.5	133.33	135.84	138.28	140.60	142.76	144.92	147.08	149.01	150.97	153.10
30.0	102.21	103.44	105.17	106.27	106.75	106.95	106.85	105.97	104.85	104.36
32.5	73.32	73.74	74.25	77.86	80.11	81.85	83.66	84.47	85.01	85.97
35.0	53.48	56.69	59.93	63.02	65.60	67.01	68.46	69.40	69.77	70.37
37.5	41.51	44.34	46.55	49.30	51.71	52.97	53.79	54.51	54.69	54.93
40.0	31.09	33.37	35.13	36.76	38.27	39.33	39.65	39.91	39.75	39.65
42.5	22.48	23.63	24.70	25.28	25.86	26.25	25.98	25.50	24.95	24.52
45.0	15.24	15.33	15.39	15.02	14.40	13.76	12.73	12.29	11.85	11.60
47.5	9.11	8.38	8.14	7.71	7.07	6.80	7.00	7.04	7.01	7.14
50.0	5.34	5.52	5.60	5.67	5.70	5.87	6.08	6.12	6.08	6.16
52.5	4.68	4.74	4.82	4.87	4.91	4.98	5.18	5.21	5.15	5.20
55.0	4.04	4.01	4.08	4.10	4.12	4.13	4.28	4.29	4.24	4.24
57.5	3.36	3.32	3.36	3.36	3.33	3.31	3.38	3.38	3.32	3.29
60.0	2.72	2.69	2.65	2.63	2.57	2.50	2.52	2.49	2.41	2.35
62.5	2.12	2.05	2.01	2.02	2.03	2.02	2.06	2.07	2.05	2.03
65.0	1.76	1.77	1.79	1.80	1.80	1.79	1.80	1.81	1.79	1.77
67.5	1.56	1.57	1.58	1.58	1.57	1.55	1.55	1.55	1.53	1.52
70.0	1.36	1.37	1.37	1.36	1.34	1.32	1.30	1.29	1.27	1.26
72.5	1.16	1.19	1.18	1.18	1.17	1.15	1.14	1.13	1.13	1.12
75.0	1.03	1.05	1.05	1.05	1.04	1.02	1.02	1.01	1.00	1.00
77.5	0.90	0.91	0.91	0.92	0.91	0.90	0.89	0.89	0.88	0.88

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	0.77	0.78	0.78	0.79	0.78	0.77	0.77	0.76	0.76	0.75
<b>82.5</b>	0.64	0.65	0.65	0.65	0.65	0.64	0.64	0.63	0.63	0.63
<b>85.0</b>	0.51	0.51	0.52	0.52	0.52	0.51	0.51	0.51	0.50	0.50
<b>87.5</b>	0.38	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.38	0.38
<b>90.0</b>	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>175.0</b>	<b>177.5</b>	<b>180.0</b>	<b>182.5</b>	<b>185.0</b>	<b>187.5</b>	<b>190.0</b>	<b>192.5</b>	<b>195.0</b>	<b>197.5</b>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	944.68	944.65	944.62	944.28	943.93	943.58	943.23	942.88	942.54	942.19
<b>5.0</b>	944.35	944.26	944.18	943.33	942.51	941.71	940.95	940.52	939.14	938.24
<b>7.5</b>	938.36	937.73	937.15	935.15	933.21	931.37	928.62	925.97	923.52	920.49
<b>10.0</b>	930.98	929.46	927.94	923.99	920.05	914.39	908.94	902.40	894.66	887.45
<b>12.5</b>	778.63	775.13	772.72	769.11	767.58	762.84	759.71	755.80	752.02	744.07
<b>15.0</b>	623.18	620.12	617.49	613.90	610.55	607.11	602.46	598.18	593.60	589.13
<b>17.5</b>	467.49	465.03	462.26	458.92	455.25	451.29	447.07	442.61	438.88	435.87
<b>20.0</b>	307.18	308.77	307.03	303.10	296.31	296.56	293.04	290.65	290.53	289.22
<b>22.5</b>	256.85	257.71	255.73	252.54	247.14	240.00	232.61	225.14	217.75	211.91
<b>25.0</b>	205.41	205.90	204.43	201.98	197.09	191.50	186.08	180.58	175.48	171.32
<b>27.5</b>	154.12	154.13	153.12	151.00	147.83	144.65	141.84	138.79	136.41	133.94
<b>30.0</b>	101.53	102.00	101.82	100.19	97.77	99.47	99.93	99.74	99.43	99.08
<b>32.5</b>	86.47	86.49	86.21	84.84	83.13	82.11	81.06	79.58	77.52	76.12
<b>35.0</b>	70.86	70.85	70.61	69.42	68.05	67.29	66.37	65.15	63.63	62.53
<b>37.5</b>	55.27	55.20	55.00	54.05	53.11	52.63	52.02	50.96	50.28	49.35
<b>40.0</b>	39.69	39.40	39.40	38.58	38.24	38.07	37.73	37.22	37.09	36.68
<b>42.5</b>	24.18	23.93	23.80	23.49	23.48	23.65	23.77	23.99	24.48	24.47
<b>45.0</b>	11.31	11.14	11.12	11.06	11.22	11.30	11.48	11.81	12.15	12.93
<b>47.5</b>	7.14	7.16	7.22	7.17	7.22	7.04	6.91	6.91	6.83	6.60
<b>50.0</b>	6.18	6.17	6.24	6.19	6.25	6.10	6.01	6.02	5.92	5.71
<b>52.5</b>	5.22	5.22	5.26	5.24	5.28	5.16	5.12	5.13	5.03	4.83
<b>55.0</b>	4.26	4.25	4.28	4.27	4.31	4.23	4.22	4.25	4.19	4.05
<b>57.5</b>	3.30	3.30	3.31	3.30	3.33	3.32	3.34	3.38	3.38	3.33
<b>60.0</b>	2.30	2.33	2.33	2.33	2.33	2.41	2.46	2.53	2.58	2.62
<b>62.5</b>	2.04	2.06	2.06	2.06	2.06	2.07	2.08	2.10	2.12	2.13
<b>65.0</b>	1.78	1.78	1.78	1.78	1.78	1.79	1.80	1.83	1.84	1.84
<b>67.5</b>	1.51	1.51	1.51	1.52	1.51	1.51	1.52	1.54	1.55	1.56
<b>70.0</b>	1.24	1.24	1.24	1.24	1.22	1.24	1.24	1.25	1.27	1.27
<b>72.5</b>	1.12	1.12	1.12	1.12	1.10	1.10	1.10	1.10	1.10	1.09
<b>75.0</b>	0.99	0.99	0.99	0.99	0.98	0.99	0.98	0.98	0.99	0.97
<b>77.5</b>	0.87	0.87	0.87	0.87	0.86	0.86	0.86	0.86	0.86	0.85
<b>80.0</b>	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74	0.75	0.73
<b>82.5</b>	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.61
<b>85.0</b>	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49
<b>87.5</b>	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37
<b>90.0</b>	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>200.0</b>	<b>202.5</b>	<b>205.0</b>	<b>207.5</b>	<b>210.0</b>	<b>212.5</b>	<b>215.0</b>	<b>217.5</b>	<b>220.0</b>	<b>222.5</b>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	941.84	941.50	941.34	940.83	940.51	940.20	939.90	939.62	939.37	939.08
<b>5.0</b>	937.41	936.66	935.85	935.02	934.31	933.74	933.30	933.08	931.64	930.51
<b>7.5</b>	917.58	915.06	912.45	909.96	908.09	907.14	904.74	902.83	900.76	899.75
<b>10.0</b>	878.29	869.97	861.67	853.55	846.59	839.40	833.40	829.87	822.10	817.31
<b>12.5</b>	743.70	739.85	736.32	733.04	729.64	725.69	721.88	716.03	705.85	694.52



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES**

**CANDELA TABULATION - (Cont.)**

15.0	587.46	576.26	578.03	574.44	570.09	565.74	559.64	556.53	545.95	541.92
17.5	433.45	431.80	427.56	428.21	424.74	420.47	415.09	408.25	400.45	391.57
20.0	291.50	294.23	296.59	299.82	298.26	296.99	294.37	290.73	285.26	278.88
22.5	207.01	202.26	197.55	192.97	195.09	200.12	203.13	203.91	202.78	200.31
25.0	167.86	164.21	160.56	157.11	154.27	151.70	149.80	149.00	149.88	150.27
27.5	132.37	129.64	127.27	125.01	122.49	120.55	119.57	118.61	117.82	117.07
30.0	98.88	98.35	96.85	94.62	92.62	91.17	90.77	90.41	89.12	87.53
32.5	74.44	71.93	67.77	65.64	64.54	64.28	64.45	64.36	63.13	62.19
35.0	60.86	57.93	53.59	49.36	45.84	42.66	40.19	40.75	41.25	41.98
37.5	47.87	44.74	41.21	38.21	35.67	33.23	30.13	27.67	26.16	25.37
40.0	35.32	32.84	30.60	28.80	26.89	24.78	22.74	21.53	19.45	17.31
42.5	23.74	22.50	21.55	20.65	19.47	18.01	17.12	15.79	14.13	12.77
45.0	13.18	13.45	13.69	13.74	13.19	12.71	12.22	11.24	10.23	9.90
47.5	6.70	7.19	7.61	7.86	8.04	8.37	8.29	7.79	7.65	7.38
50.0	5.48	5.45	5.48	5.28	4.99	5.34	5.30	5.34	5.46	5.37
52.5	4.75	4.74	4.76	4.49	4.38	4.29	4.01	3.85	3.90	3.85
55.0	4.03	4.05	4.02	3.82	3.77	3.61	3.46	3.35	3.21	3.05
57.5	3.33	3.38	3.30	3.24	3.22	3.05	2.98	2.88	2.75	2.67
60.0	2.64	2.69	2.66	2.66	2.63	2.57	2.53	2.47	2.37	2.32
62.5	2.12	2.09	2.08	2.11	2.10	2.12	2.13	2.08	2.05	2.02
65.0	1.83	1.81	1.80	1.79	1.77	1.77	1.77	1.74	1.75	1.72
67.5	1.55	1.53	1.54	1.52	1.51	1.51	1.51	1.48	1.48	1.47
70.0	1.26	1.26	1.26	1.25	1.25	1.26	1.25	1.25	1.24	1.25
72.5	1.07	1.05	1.03	1.02	1.01	1.00	1.01	1.02	1.02	1.04
75.0	0.95	0.94	0.92	0.91	0.89	0.87	0.86	0.85	0.84	0.82
77.5	0.83	0.82	0.81	0.80	0.78	0.77	0.77	0.74	0.75	0.71
80.0	0.72	0.71	0.69	0.69	0.68	0.66	0.66	0.64	0.65	0.62
82.5	0.60	0.59	0.58	0.58	0.57	0.56	0.55	0.54	0.55	0.52
85.0	0.48	0.48	0.47	0.47	0.46	0.46	0.45	0.45	0.45	0.43
87.5	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.35	0.35	0.34
90.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

**Vert. Angles**      **Horizontal Angles**

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
2.5	938.84	938.61	938.40	938.20	938.14	937.66	937.40	937.17	936.96	936.77
5.0	929.40	928.31	927.26	926.25	925.96	923.27	921.84	920.50	919.28	918.17
7.5	895.94	893.83	892.24	891.15	889.17	887.21	883.08	878.81	874.92	871.43
10.0	815.67	809.33	806.47	804.92	800.00	793.64	788.29	783.93	783.13	773.80
12.5	684.83	675.79	667.13	659.90	652.38	645.08	638.88	636.47	621.81	613.11
15.0	529.37	520.42	509.21	496.90	486.24	476.68	467.86	459.93	452.71	444.95
17.5	382.34	372.85	363.03	352.71	343.20	333.60	328.20	317.32	310.12	303.77
20.0	271.01	263.89	256.32	249.95	243.45	237.00	231.22	225.40	220.66	214.95
22.5	197.35	193.17	188.86	183.45	178.79	174.78	171.46	168.53	166.07	163.02
25.0	148.99	146.46	142.76	139.33	135.99	133.04	131.16	129.95	128.80	128.09
27.5	115.31	112.33	109.31	106.51	104.14	102.12	100.31	98.87	98.00	97.45
30.0	85.74	83.89	82.18	79.97	77.52	75.55	73.61	72.26	71.69	71.54
32.5	61.39	60.36	58.60	56.53	53.78	51.54	50.27	49.30	48.40	47.68
35.0	41.69	40.81	39.44	37.32	35.05	32.67	31.64	31.25	31.35	31.32
37.5	25.62	25.31	24.91	23.93	22.77	21.86	21.65	21.48	21.17	20.62
40.0	15.54	15.63	15.96	15.74	15.63	15.46	15.05	14.62	13.98	13.47
42.5	12.25	11.44	10.53	10.35	10.41	10.37	10.09	9.73	9.38	9.06
45.0	9.31	8.61	7.89	7.17	6.83	7.03	7.03	6.94	6.77	6.44
47.5	6.95	6.43	5.94	5.60	5.38	5.23	5.36	5.27	5.12	5.08
50.0	5.14	4.86	4.65	4.51	4.44	4.41	4.27	4.15	4.18	4.16

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES**

**CANDELA TABULATION - (Cont.)**

<b>52.5</b>	3.82	3.78	3.73	3.72	3.70	3.59	3.49	3.45	3.45	3.43
<b>55.0</b>	3.00	3.01	3.04	3.05	3.02	2.97	2.95	2.93	2.92	2.88
<b>57.5</b>	2.60	2.53	2.48	2.50	2.50	2.50	2.48	2.48	2.45	2.45
<b>60.0</b>	2.26	2.22	2.17	2.13	2.09	2.08	2.10	2.07	2.09	2.10
<b>62.5</b>	1.98	1.94	1.90	1.86	1.81	1.77	1.74	1.79	1.78	1.79
<b>65.0</b>	1.71	1.69	1.65	1.61	1.59	1.54	1.53	1.50	1.50	1.51
<b>67.5</b>	1.46	1.43	1.43	1.41	1.39	1.37	1.34	1.31	1.27	1.28
<b>70.0</b>	1.23	1.22	1.23	1.22	1.21	1.21	1.17	1.15	1.12	1.10
<b>72.5</b>	1.01	1.03	1.03	1.04	1.05	1.05	1.03	1.01	1.00	0.97
<b>75.0</b>	0.81	0.83	0.83	0.87	0.87	0.87	0.89	0.89	0.90	0.88
<b>77.5</b>	0.70	0.68	0.68	0.70	0.69	0.70	0.71	0.72	0.75	0.77
<b>80.0</b>	0.61	0.59	0.59	0.61	0.58	0.56	0.55	0.54	0.58	0.60
<b>82.5</b>	0.52	0.51	0.51	0.52	0.50	0.48	0.47	0.46	0.46	0.44
<b>85.0</b>	0.43	0.42	0.43	0.42	0.42	0.40	0.39	0.40	0.40	0.39
<b>87.5</b>	0.34	0.34	0.34	0.34	0.34	0.33	0.32	0.33	0.34	0.34
<b>90.0</b>	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.27	0.28	0.29

**Vert. Angles**      **Horizontal Angles**

	<b><u>250.0</u></b>	<b><u>252.5</u></b>	<b><u>255.0</u></b>	<b><u>257.5</u></b>	<b><u>260.0</u></b>	<b><u>262.5</u></b>	<b><u>265.0</u></b>	<b><u>267.5</u></b>	<b><u>270.0</u></b>	<b><u>272.5</u></b>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	936.60	936.46	936.33	936.23	936.15	936.08	936.04	936.02	936.02	935.08
<b>5.0</b>	917.14	916.23	915.43	914.75	914.18	913.73	913.39	913.17	913.07	909.65
<b>7.5</b>	869.56	864.37	861.25	858.69	856.61	855.03	853.96	853.39	853.32	845.48
<b>10.0</b>	764.87	756.91	749.95	744.02	739.13	735.31	732.57	730.94	730.43	718.84
<b>12.5</b>	605.79	597.63	591.60	577.65	570.08	564.16	559.91	557.36	556.52	544.91
<b>15.0</b>	439.34	426.59	419.65	409.20	400.50	393.59	388.51	385.31	384.04	375.72
<b>17.5</b>	298.98	291.99	285.17	282.48	273.77	269.07	265.66	263.53	262.67	257.35
<b>20.0</b>	211.62	209.20	205.14	201.93	198.49	194.61	191.64	189.59	188.51	185.56
<b>22.5</b>	161.33	158.32	156.61	153.69	151.52	148.73	146.50	144.97	144.10	141.85
<b>25.0</b>	125.53	122.96	122.06	119.12	116.88	114.72	112.64	111.22	110.46	108.94
<b>27.5</b>	97.29	95.02	93.48	92.42	91.57	89.97	88.39	87.35	86.80	84.83
<b>30.0</b>	71.89	71.45	69.61	68.58	67.97	66.91	65.35	64.08	63.43	61.70
<b>32.5</b>	47.08	46.52	46.03	45.48	45.15	44.34	43.22	42.11	41.53	40.63
<b>35.0</b>	30.91	30.34	29.92	29.42	28.80	28.45	27.89	27.21	26.93	26.27
<b>37.5</b>	19.91	19.40	19.06	18.85	18.45	18.11	17.64	17.13	16.90	16.56
<b>40.0</b>	13.07	12.66	12.21	11.75	11.36	11.13	10.87	10.60	10.50	10.58
<b>42.5</b>	8.69	8.33	8.22	8.22	8.19	8.24	8.12	7.92	7.77	7.66
<b>45.0</b>	6.32	6.28	6.26	6.27	6.30	6.25	6.17	6.05	5.98	5.96
<b>47.5</b>	5.18	5.08	5.02	5.00	5.03	5.02	5.01	4.97	4.96	4.85
<b>50.0</b>	4.09	4.10	4.06	4.07	4.11	4.17	4.11	4.05	4.03	3.90
<b>52.5</b>	3.37	3.28	3.29	3.33	3.36	3.43	3.33	3.28	3.29	3.15
<b>55.0</b>	2.81	2.77	2.70	2.73	2.76	2.82	2.73	2.67	2.75	2.64
<b>57.5</b>	2.42	2.37	2.33	2.33	2.36	2.42	2.39	2.33	2.41	2.29
<b>60.0</b>	2.10	2.07	2.02	1.99	2.02	2.07	2.07	2.02	2.11	1.99
<b>62.5</b>	1.80	1.83	1.79	1.74	1.73	1.79	1.83	1.75	1.84	1.71
<b>65.0</b>	1.54	1.57	1.60	1.54	1.50	1.52	1.59	1.52	1.59	1.49
<b>67.5</b>	1.31	1.34	1.38	1.37	1.33	1.33	1.39	1.32	1.39	1.28
<b>70.0</b>	1.09	1.14	1.20	1.24	1.19	1.13	1.22	1.18	1.23	1.13
<b>72.5</b>	0.96	0.97	1.00	1.05	1.09	1.01	1.03	1.04	1.07	1.00
<b>75.0</b>	0.86	0.83	0.81	0.87	0.92	0.88	0.83	0.90	0.91	0.87
<b>77.5</b>	0.77	0.74	0.72	0.69	0.74	0.78	0.69	0.77	0.78	0.75
<b>80.0</b>	0.64	0.67	0.64	0.61	0.55	0.61	0.61	0.59	0.62	0.57
<b>82.5</b>	0.46	0.50	0.55	0.57	0.50	0.45	0.54	0.48	0.54	0.45
<b>85.0</b>	0.40	0.39	0.40	0.44	0.43	0.44	0.35	0.39	0.40	0.35
<b>87.5</b>	0.34	0.34	0.35	0.35	0.28	0.23	0.25	0.10	0.11	0.13

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES

CANDELA TABULATION - (Cont.)

90.0	0.29	0.29	0.29	0.29	0.28	0.27	0.13	0.10	0.04	0.52
<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
2.5	934.16	933.27	932.42	931.61	930.85	930.14	929.49	928.91	928.38	927.93
5.0	906.38	903.28	900.36	897.67	895.21	893.00	891.08	889.45	888.14	887.15
7.5	838.19	831.51	825.48	820.16	815.60	811.84	810.81	806.40	804.49	803.51
10.0	708.40	699.11	690.98	684.02	678.24	673.62	670.19	667.92	666.36	657.50
12.5	534.93	526.45	519.39	513.64	513.20	506.00	501.75	496.90	492.71	492.81
15.0	369.15	364.16	360.39	357.78	356.07	352.65	352.92	347.39	343.63	338.65
17.5	253.19	250.05	247.82	248.59	245.01	244.16	242.89	239.98	237.37	234.61
20.0	183.47	182.12	181.38	180.49	179.48	179.07	177.37	176.39	176.18	173.89
22.5	140.38	139.15	138.54	137.64	137.32	136.39	136.95	135.36	135.04	134.36
25.0	108.01	107.63	107.10	106.49	106.25	104.50	104.46	104.84	103.61	102.74
27.5	83.33	82.35	81.58	80.27	79.20	78.40	78.40	76.85	75.90	75.14
30.0	60.55	59.73	58.72	57.43	56.39	56.07	56.00	55.25	54.58	53.72
32.5	40.17	39.75	39.17	38.42	37.84	37.44	37.11	36.88	36.61	36.43
35.0	26.00	25.77	25.43	25.17	24.64	24.46	24.58	24.68	24.60	24.27
37.5	16.45	16.47	16.62	16.81	16.66	16.38	16.17	16.12	16.10	16.03
40.0	10.79	10.86	10.85	11.01	11.02	10.99	10.93	10.81	10.62	10.74
42.5	7.62	7.61	7.55	7.42	7.34	7.29	7.30	7.21	7.30	7.56
45.0	5.96	5.92	5.91	5.81	5.74	5.64	5.54	5.44	5.46	5.57
47.5	4.79	4.77	4.73	4.62	4.53	4.45	4.43	4.47	4.51	4.48
50.0	3.83	3.83	3.82	3.79	3.75	3.69	3.64	3.64	3.70	3.70
52.5	3.10	3.12	3.08	3.07	3.07	3.14	3.11	3.08	3.05	3.09
55.0	2.63	2.67	2.61	2.56	2.56	2.59	2.60	2.61	2.61	2.62
57.5	2.29	2.31	2.25	2.20	2.20	2.21	2.24	2.25	2.24	2.26
60.0	2.04	2.01	1.94	1.91	1.92	1.94	1.97	1.94	1.95	1.94
62.5	1.79	1.73	1.67	1.65	1.67	1.69	1.69	1.70	1.68	1.70
65.0	1.55	1.47	1.42	1.44	1.47	1.47	1.46	1.44	1.46	1.45
67.5	1.32	1.24	1.24	1.29	1.30	1.27	1.26	1.25	1.26	1.35
70.0	1.14	1.06	1.11	1.16	1.12	1.11	1.09	1.11	1.20	1.28
72.5	0.97	0.93	1.01	1.00	0.97	0.95	1.01	1.09	1.16	1.23
75.0	0.77	0.82	0.86	0.83	0.81	0.89	0.97	1.07	1.15	1.22
77.5	0.64	0.74	0.70	0.70	0.78	0.89	0.97	1.05	1.08	1.11
80.0	0.57	0.59	0.57	0.69	0.80	0.91	0.94	0.95	0.98	0.99
82.5	0.52	0.47	0.62	0.75	0.80	0.82	0.85	0.86	0.88	0.89
85.0	0.33	0.53	0.63	0.68	0.74	0.74	0.76	0.76	0.77	0.78
87.5	0.44	0.50	0.55	0.61	0.66	0.66	0.67	0.67	0.68	0.69
90.0	0.55	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
2.5	927.55	927.25	927.40	926.83	926.54	926.31	926.15	926.05	926.02	926.04
5.0	886.50	886.21	888.24	886.57	886.83	887.43	888.37	889.65	891.27	894.06
7.5	803.50	805.43	799.51	795.97	792.10	789.19	787.24	788.28	785.16	784.67
10.0	652.70	648.98	646.34	642.11	633.99	626.81	622.88	614.91	610.31	609.64
12.5	482.86	475.41	468.04	460.70	453.61	446.84	440.26	433.84	427.71	422.84
15.0	333.00	327.08	320.25	312.69	304.36	301.61	306.34	312.95	316.65	324.30
17.5	233.01	226.29	223.36	225.03	227.13	229.82	232.24	234.96	237.56	241.93
20.0	172.28	171.97	172.01	172.81	174.18	175.52	176.61	177.89	179.03	180.30
22.5	134.10	134.13	134.47	134.65	135.16	135.00	135.37	135.47	135.06	133.96

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES**

**CANDELA TABULATION - (Cont.)**

25.0	102.16	102.28	101.97	102.35	102.87	103.10	102.99	102.69	101.85	100.61
27.5	75.15	75.32	75.08	74.94	74.94	75.26	76.51	77.03	77.74	78.36
30.0	52.98	52.33	51.90	51.93	52.50	53.83	54.99	56.34	57.18	57.28
32.5	35.90	35.09	34.40	35.21	36.24	37.37	38.25	38.68	39.22	39.41
35.0	23.64	23.09	23.51	24.27	24.71	24.87	24.93	24.83	24.26	23.53
37.5	16.24	16.35	16.45	16.19	16.04	15.87	15.35	14.34	14.15	15.30
40.0	11.07	11.39	11.39	11.06	10.38	9.46	9.53	10.30	11.06	11.93
42.5	7.78	7.82	7.78	7.42	7.07	7.22	7.49	8.02	8.63	9.22
45.0	5.66	5.66	5.42	5.59	5.85	6.00	6.11	6.29	6.67	7.06
47.5	4.44	4.39	4.51	4.60	4.75	4.94	5.02	5.07	5.16	5.35
50.0	3.73	3.75	3.78	3.85	3.92	4.01	4.09	4.09	4.04	4.00
52.5	3.15	3.22	3.22	3.24	3.27	3.30	3.30	3.25	3.25	3.23
55.0	2.65	2.70	2.74	2.73	2.73	2.71	2.76	2.80	2.89	2.98
57.5	2.27	2.28	2.29	2.29	2.31	2.40	2.50	2.59	2.67	2.76
60.0	1.95	1.94	1.96	2.02	2.12	2.21	2.30	2.40	2.48	2.55
62.5	1.66	1.71	1.79	1.87	1.97	2.06	2.14	2.21	2.30	2.36
65.0	1.53	1.58	1.68	1.75	1.83	1.93	1.99	2.05	2.13	2.19
67.5	1.43	1.52	1.58	1.67	1.73	1.81	1.88	1.91	1.95	1.99
70.0	1.36	1.44	1.50	1.58	1.63	1.67	1.71	1.73	1.76	1.79
72.5	1.31	1.38	1.42	1.45	1.49	1.51	1.55	1.56	1.57	1.60
75.0	1.23	1.26	1.29	1.32	1.35	1.35	1.41	1.40	1.41	1.42
77.5	1.12	1.15	1.18	1.19	1.21	1.21	1.26	1.26	1.27	1.28
80.0	1.02	1.03	1.05	1.07	1.08	1.08	1.11	1.13	1.12	1.14
82.5	0.91	0.91	0.93	0.95	0.95	0.95	0.97	0.98	0.98	0.99
85.0	0.80	0.80	0.82	0.82	0.82	0.82	0.83	0.84	0.84	0.85
87.5	0.70	0.69	0.70	0.70	0.70	0.69	0.69	0.71	0.70	0.71
90.0	0.59	0.59	0.59	0.59	0.58	0.57	0.56	0.56	0.56	0.56

**Vert.  
Angles**

**Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88	942.88
2.5	926.44	926.28	926.49	926.76	927.44	927.37	927.56	927.79	928.04	928.34
5.0	895.73	890.97	890.05	889.58	889.54	889.46	889.17	889.25	889.70	891.42
7.5	781.42	779.12	775.62	773.82	773.14	772.80	772.58	773.39	774.82	775.71
10.0	603.66	601.65	601.10	601.69	603.99	607.15	611.02	616.38	620.90	626.81
12.5	428.53	435.71	443.30	451.05	458.99	467.47	476.56	485.22	497.32	501.28
15.0	327.70	332.89	338.78	344.76	351.19	357.48	365.55	370.70	377.78	384.36
17.5	244.65	248.93	252.56	255.67	258.84	261.98	265.05	267.45	270.49	273.73
20.0	180.61	181.12	181.59	183.18	181.66	180.44	178.69	176.54	173.61	170.68
22.5	132.25	129.92	126.55	124.26	125.50	126.81	127.83	128.74	129.47	130.12
25.0	100.36	99.61	99.45	99.20	99.31	100.12	101.00	101.56	102.18	102.36
27.5	78.15	77.43	76.53	75.86	75.23	74.91	76.17	75.42	75.35	75.39
30.0	57.23	56.69	55.41	53.96	52.68	52.20	50.66	50.15	49.40	48.76
32.5	38.22	37.18	35.75	33.65	31.47	32.55	33.74	35.16	36.39	37.39
35.0	22.08	22.58	24.03	25.28	26.15	26.95	27.88	28.94	30.25	30.93
37.5	16.86	18.22	19.14	20.36	21.18	21.76	22.45	23.15	24.11	24.69
40.0	12.88	14.14	14.99	15.77	16.59	16.96	17.30	17.71	18.20	18.62
42.5	9.85	10.57	11.39	11.81	12.28	12.51	12.52	12.59	12.69	12.75
45.0	7.42	7.80	8.17	8.41	8.43	8.37	8.03	7.74	7.43	7.38
47.5	5.48	5.58	5.55	5.46	5.40	5.34	5.13	5.01	5.14	5.21
50.0	3.98	4.03	4.06	4.15	4.28	4.44	4.53	4.58	4.69	4.75
52.5	3.36	3.48	3.68	3.80	3.92	4.05	4.15	4.19	4.26	4.30
55.0	3.08	3.20	3.33	3.48	3.57	3.68	3.77	3.80	3.85	3.86
57.5	2.84	2.94	3.04	3.18	3.24	3.33	3.40	3.43	3.43	3.43
60.0	2.62	2.70	2.79	2.88	2.94	2.99	3.05	3.06	3.04	3.01

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES**

**CANDELA TABULATION - (Cont.)**

<b>62.5</b>	2.43	2.48	2.56	2.60	2.65	2.67	2.72	2.73	2.73	2.71
<b>65.0</b>	2.24	2.27	2.32	2.34	2.39	2.41	2.44	2.45	2.46	2.44
<b>67.5</b>	2.02	2.05	2.07	2.10	2.14	2.15	2.16	2.17	2.17	2.16
<b>70.0</b>	1.84	1.83	1.84	1.86	1.88	1.89	1.88	1.90	1.89	1.89
<b>72.5</b>	1.64	1.62	1.62	1.63	1.65	1.68	1.67	1.70	1.70	1.70
<b>75.0</b>	1.47	1.46	1.46	1.47	1.50	1.52	1.53	1.54	1.54	1.55
<b>77.5</b>	1.31	1.32	1.31	1.33	1.34	1.36	1.37	1.39	1.38	1.39
<b>80.0</b>	1.16	1.17	1.17	1.17	1.18	1.21	1.21	1.22	1.22	1.23
<b>82.5</b>	1.01	1.02	1.02	1.01	1.03	1.05	1.06	1.06	1.07	1.07
<b>85.0</b>	0.86	0.87	0.87	0.87	0.88	0.90	0.90	0.90	0.91	0.91
<b>87.5</b>	0.71	0.72	0.71	0.71	0.73	0.74	0.74	0.75	0.75	0.75
<b>90.0</b>	0.56	0.56	0.56	0.57	0.58	0.59	0.59	0.59	0.59	0.60

**Vert. Horizontal Angles**  
**Angles**

	<b><u>350.0</u></b>	<b><u>352.5</u></b>	<b><u>355.0</u></b>	<b><u>357.5</u></b>	<b><u>360.0</u></b>
<b>0.0</b>	942.88	942.88	942.88	942.88	942.88
<b>2.5</b>	928.66	929.01	929.39	929.80	930.23
<b>5.0</b>	890.91	891.15	891.70	892.53	893.65
<b>7.5</b>	777.51	780.00	780.96	782.70	785.22
<b>10.0</b>	632.40	638.29	644.05	647.94	652.86
<b>12.5</b>	508.72	515.17	523.23	525.89	530.40
<b>15.0</b>	390.21	396.00	400.74	404.57	407.95
<b>17.5</b>	277.02	279.46	281.81	283.90	285.50
<b>20.0</b>	168.55	166.65	165.03	163.89	163.05
<b>22.5</b>	131.27	132.79	133.87	134.62	134.49
<b>25.0</b>	103.15	104.34	105.21	105.99	105.92
<b>27.5</b>	75.47	76.16	76.68	77.20	77.35
<b>30.0</b>	48.24	48.37	48.36	48.53	48.79
<b>32.5</b>	38.42	39.68	40.55	41.20	41.65
<b>35.0</b>	31.80	32.75	33.59	34.11	34.52
<b>37.5</b>	25.37	25.99	26.69	27.05	27.39
<b>40.0</b>	18.95	19.36	19.77	20.00	20.25
<b>42.5</b>	12.89	12.88	12.93	12.98	13.11
<b>45.0</b>	7.30	7.33	7.28	7.24	7.30
<b>47.5</b>	5.24	5.36	5.40	5.40	5.46
<b>50.0</b>	4.77	4.86	4.90	4.90	4.95
<b>52.5</b>	4.33	4.37	4.40	4.40	4.43
<b>55.0</b>	3.87	3.89	3.91	3.90	3.92
<b>57.5</b>	3.42	3.42	3.42	3.40	3.40
<b>60.0</b>	2.98	2.95	2.92	2.90	2.88
<b>62.5</b>	2.69	2.68	2.66	2.65	2.64
<b>65.0</b>	2.42	2.42	2.41	2.41	2.40
<b>67.5</b>	2.15	2.17	2.16	2.16	2.16
<b>70.0</b>	1.89	1.91	1.91	1.92	1.92
<b>72.5</b>	1.72	1.75	1.75	1.76	1.76
<b>75.0</b>	1.56	1.58	1.58	1.60	1.60
<b>77.5</b>	1.40	1.42	1.42	1.43	1.43
<b>80.0</b>	1.24	1.26	1.26	1.27	1.27
<b>82.5</b>	1.08	1.09	1.10	1.11	1.11
<b>85.0</b>	0.92	0.93	0.94	0.95	0.95
<b>87.5</b>	0.77	0.77	0.78	0.78	0.78
<b>90.0</b>	0.61	0.61	0.62	0.62	0.62

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	209.09	67.70	67.40
0-30	271.17	87.80	87.30
0-40	296.30	95.90	95.40
0-60	306.75	99.30	98.80
0-80	309.75	100.30	99.80
0-90	310.45	100.50	100.00
10-90	227.81	73.80	73.40
20-40	87.21	28.20	28.10
20-50	94.64	30.60	30.50
40-70	12.27	4.00	4.00
60-80	3.00	1.00	1.00
70-80	1.18	0.40	0.40
80-90	0.70	0.20	0.20
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	310.45	100.50	100.00

Total Luminaire Efficiency = 100.50%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	82.65
10-20	126.44
20-30	62.08
30-40	25.13
40-50	7.43
50-60	3.02
60-70	1.82
70-80	1.18
80-90	0.70
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	115	113	110	108	113	110	108	107	106	105	103	103	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97	99	96	95	96	94	93	91
3	106	101	97	93	104	100	96	93	97	94	91	95	92	90	92	90	88	87
4	102	96	92	88	101	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	87	84	97	91	86	83	89	85	82	88	84	82	86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
7	92	84	80	76	91	84	79	76	83	79	76	81	78	75	80	77	75	74
8	89	81	76	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71
9	86	78	73	70	85	78	73	70	77	73	70	76	72	70	75	72	70	68
10	83	75	71	68	82	75	71	68	74	70	68	74	70	67	73	70	67	66

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TAMLITE\_ELWWRC\_SINGLEHEAD.IES**

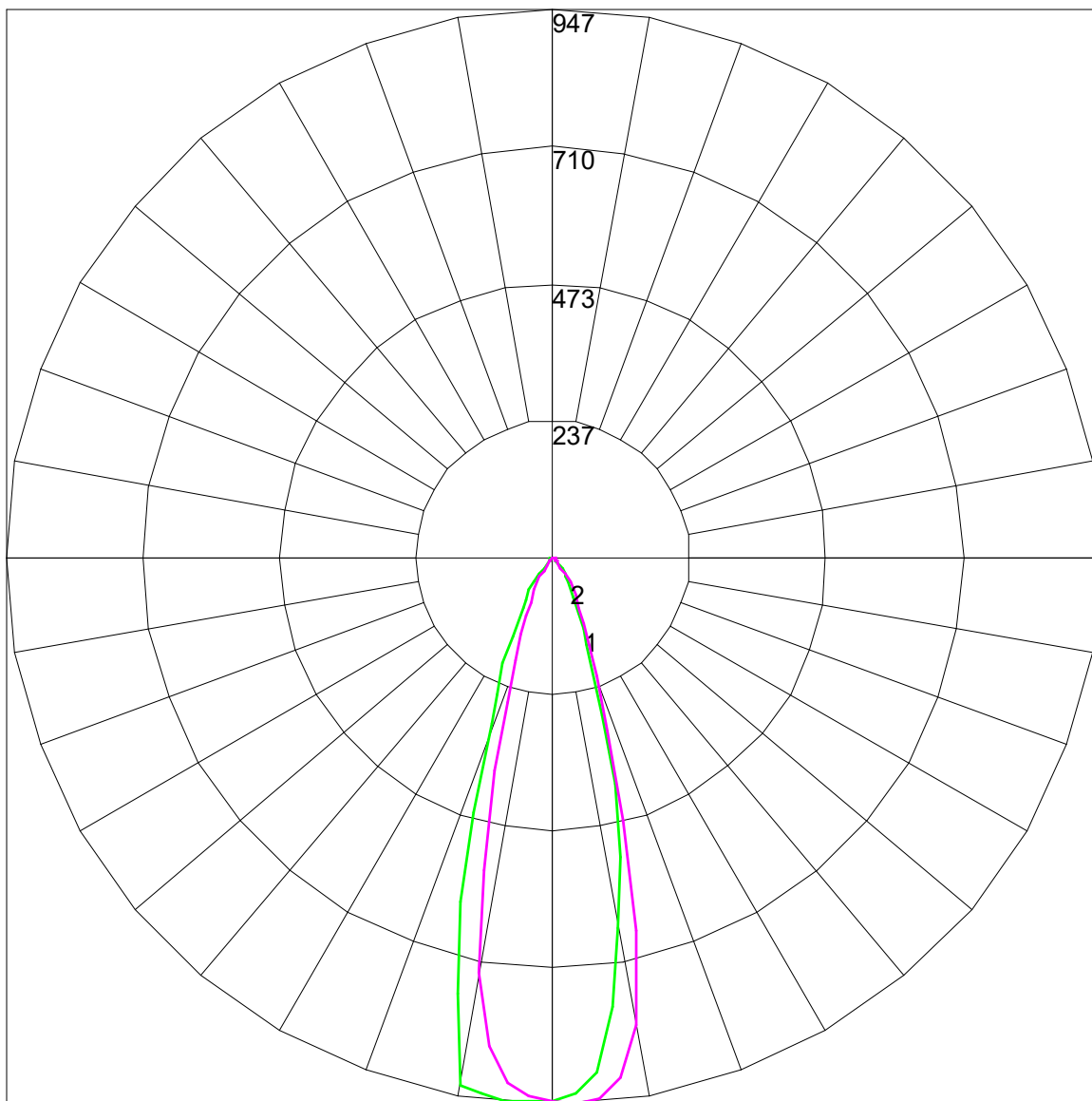
**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	2.2	3.3	2.6	3.6	3.9	0.0	0.0	0.0	0.0	0.0
	3H	4.1	5.1	4.5	5.4	5.8	0.0	0.0	0.0	0.0	0.0
	4H	5.1	6.0	5.5	6.4	6.8	0.0	0.0	0.0	0.0	0.0
	6H	6.1	7.0	6.5	7.3	7.7	0.0	0.2	0.0	0.6	1.0
	8H	6.7	7.5	7.1	7.9	8.3	0.4	1.2	0.8	1.6	2.0
	12H	7.2	8.0	7.7	8.4	8.8	1.7	2.5	2.1	2.9	3.3
4H	2H	2.3	3.2	2.7	3.6	4.0	0.0	0.0	0.0	0.0	0.0
	3H	4.5	5.3	4.9	5.7	6.1	0.0	0.0	0.0	0.0	0.4
	4H	5.7	6.4	6.2	6.9	7.3	0.3	1.0	0.7	1.4	1.8
	6H	7.0	7.6	7.5	8.1	8.6	2.0	2.6	2.5	3.0	3.5
	8H	7.7	8.3	8.2	8.7	9.2	3.0	3.5	3.5	4.0	4.5
	12H	8.5	9.0	9.0	9.5	9.9	4.2	4.7	4.6	5.2	5.6
8H	4H	6.0	6.5	6.4	7.0	7.4	1.7	2.3	2.2	2.7	3.2
	6H	7.5	8.0	8.0	8.5	9.0	3.6	4.1	4.1	4.6	5.1
	8H	8.4	8.8	8.9	9.3	9.8	4.7	5.1	5.3	5.6	6.1
	12H	9.4	9.8	9.9	10.3	10.8	6.1	6.4	6.6	6.9	7.5
12H	4H	6.0	6.5	6.5	7.0	7.4	2.0	2.5	2.5	3.0	3.5
	6H	7.6	8.0	8.2	8.5	9.0	4.1	4.5	4.6	5.0	5.5
	8H	8.6	9.0	9.1	9.5	10.0	5.4	5.7	5.9	6.2	6.8

Maximum UGR = 10.8



POLAR GRAPH



Maximum Candela = 946.89 Located At Horizontal Angle = 130, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)