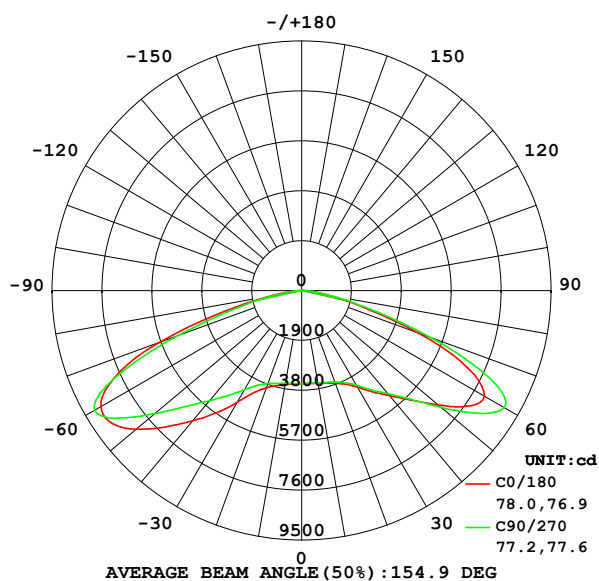
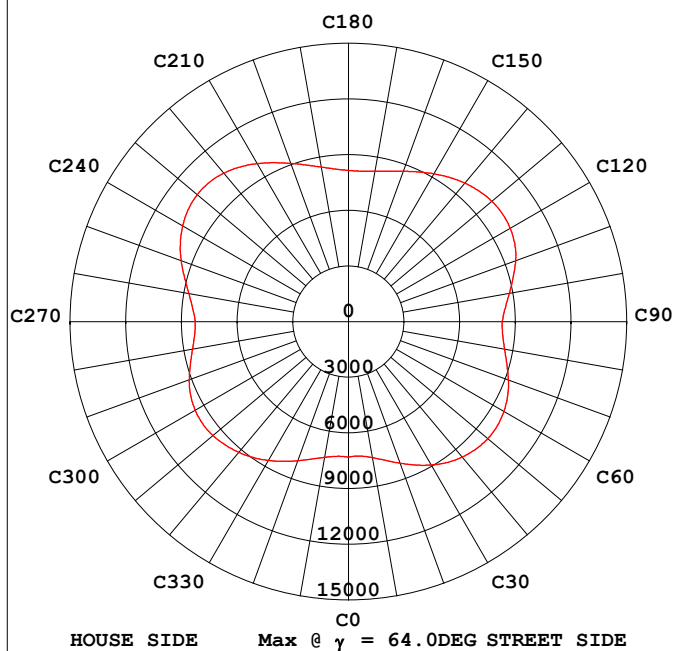


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.20 lm/W			
MODEL	AL-300WS-3CS	Imax (cd)	10622	η street_up (%)	0.2
NOMINAL POWER (W)	240	LOR (%)	100.0	η street_down (%)	49.2
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	32255	η house_up (%)	0.1
NOMINAL FLUX (lm)	32254.9	MAXIMUM @ (C, γ)	225,64.0	η house_down (%)	50.5
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	23.597

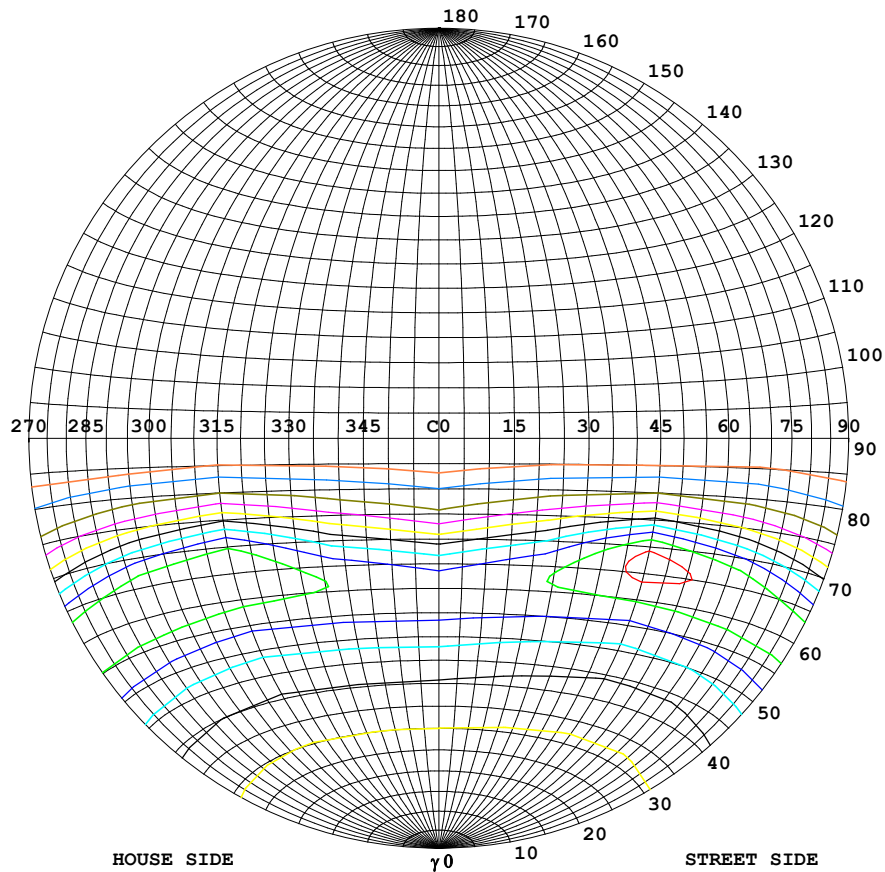
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5 °C
Operators: DAMIN
Test Date: 2024-04-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4205]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



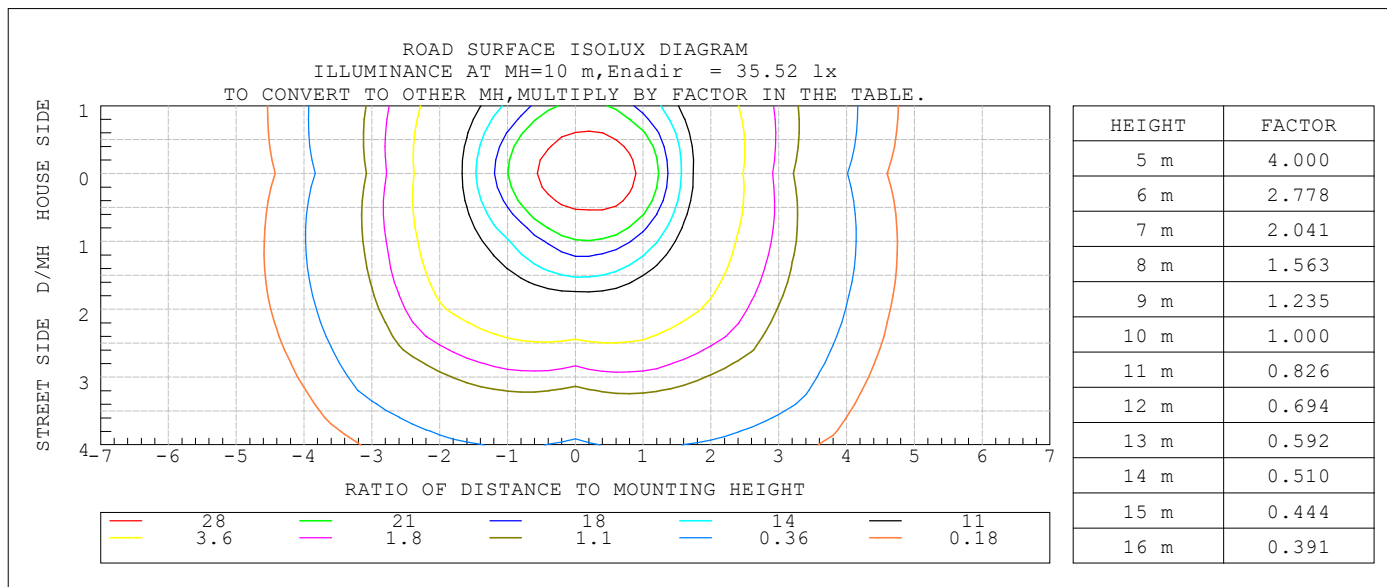
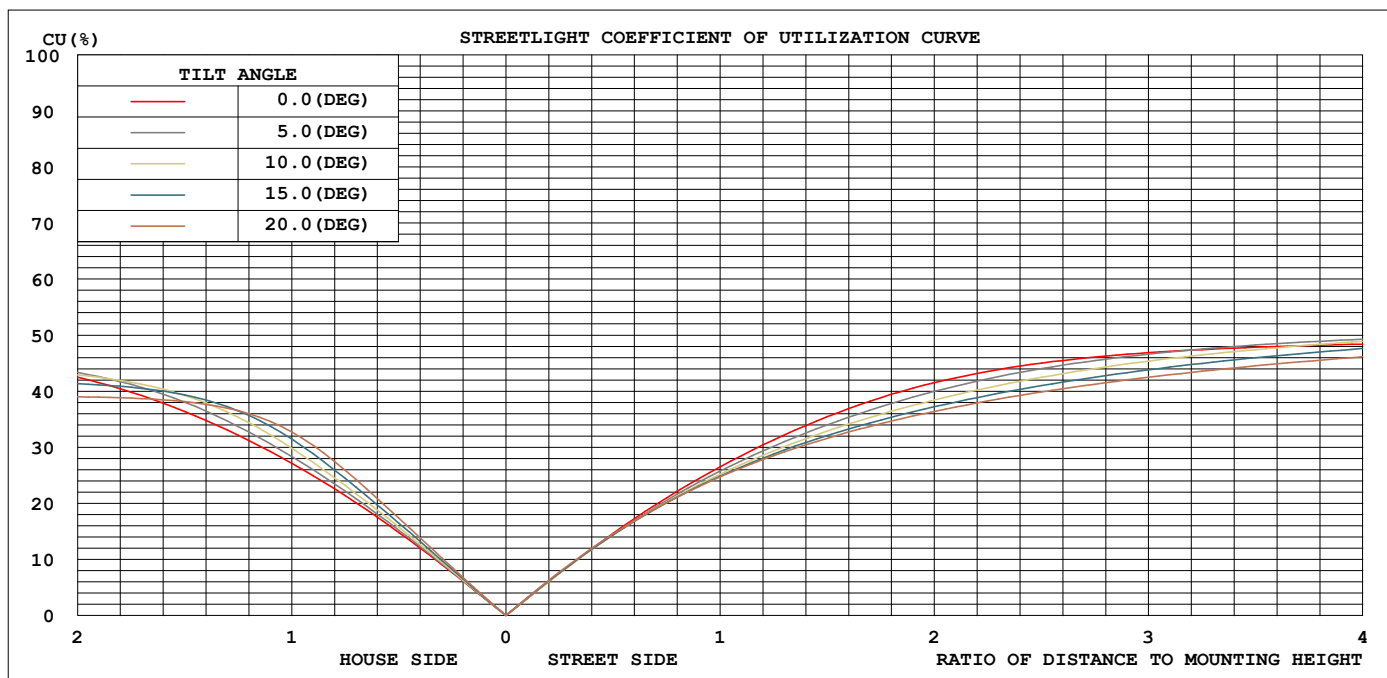
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:83.72cd/klm
Max.At90:0.6095cd/klm
Max.80-90:83.72cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10622
90%	9560
80%	8497
70%	7435
60%	6373
50%	5311
40%	4249
30%	3187
20%	2124
10%	1062
5%	531

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5°C
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

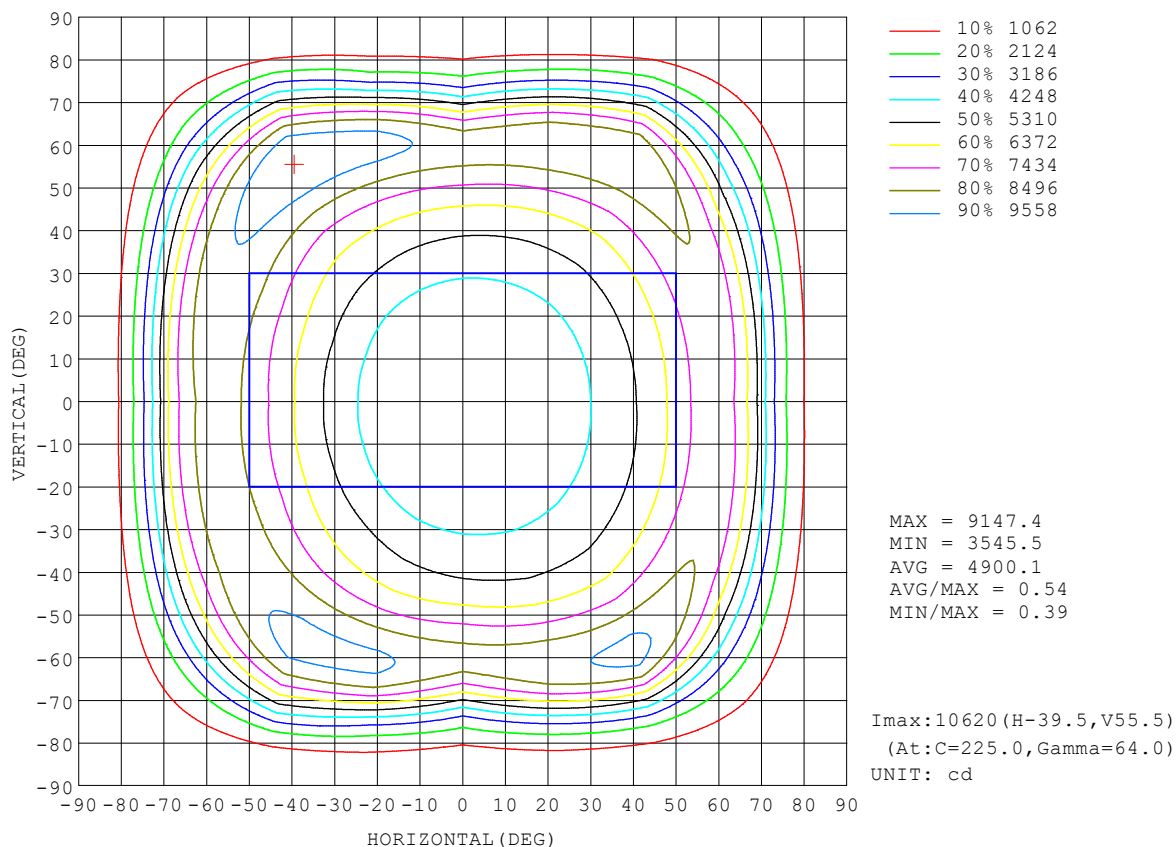
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	358.8	357.2	357.0	360.4	363.2	361.4	358.7	357.9	0- 10	340.7	340.7	1.06,1.06
20	375.9	371.4	371.5	383.1	394.4	386.4	377.4	374.5	10- 20	1045	1385	4.3,4.3
30	424.7	409.7	416.7	454.0	490.5	459.9	435.5	423.3	20- 30	1878	3263	10.1,10.1
40	522.5	491.6	513.1	586.0	647.4	590.7	547.4	521.8	30- 40	3123	6386	19.8,19.8
50	676.9	613.0	691.1	746.8	821.5	754.6	729.1	663.1	40- 50	4860	11246	34.9,34.9
60	803.5	861.2	891.4	956.1	883.0	1004	910.2	878.9	50- 60	7336	18583	57.6,57.6
70	473.7	925.2	521.1	886.5	575.0	926.8	500.7	839.3	60- 70	8500	27082	84,84
80	106.1	209.0	115.1	270.0	118.1	253.4	108.5	210.3	70- 80	4430	31512	97.7,97.7
90	1.196	1.829	1.136	1.966	0.4897	0.6371	0.3271	0.5611	80- 90	652.8	32165	99.7,99.7
100	1.657	1.888	1.559	1.722	0.2247	0.2863	0.2618	0.2729	90-100	10.01	32175	99.8,99.8
110	2.061	2.052	1.708	1.826	0.6486	0.6201	0.8068	0.6221	100-110	11.76	32186	99.8,99.8
120	2.077	1.832	1.728	1.820	1.383	1.521	1.732	1.359	110-120	14.91	32201	99.8,99.8
130	1.937	1.783	1.761	1.679	1.611	1.809	2.007	1.785	120-130	15.99	32217	99.9,99.9
140	1.842	1.791	1.725	1.605	1.493	1.451	1.668	1.665	130-140	13.34	32231	99.9,99.9
150	1.718	1.756	1.718	1.580	1.411	1.340	1.426	1.515	140-150	9.941	32241	100,100
160	1.804	1.830	1.770	1.690	1.594	1.426	1.493	1.543	150-160	7.314	32248	100,100
170	1.944	1.880	1.777	1.815	2.121	1.918	1.899	2.076	160-170	5.035	32253	100,100
180	2.116	1.960	1.918	2.107	2.160	1.991	1.948	2.134	170-180	1.928	32255	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ISOCANDELA DIAGRAM

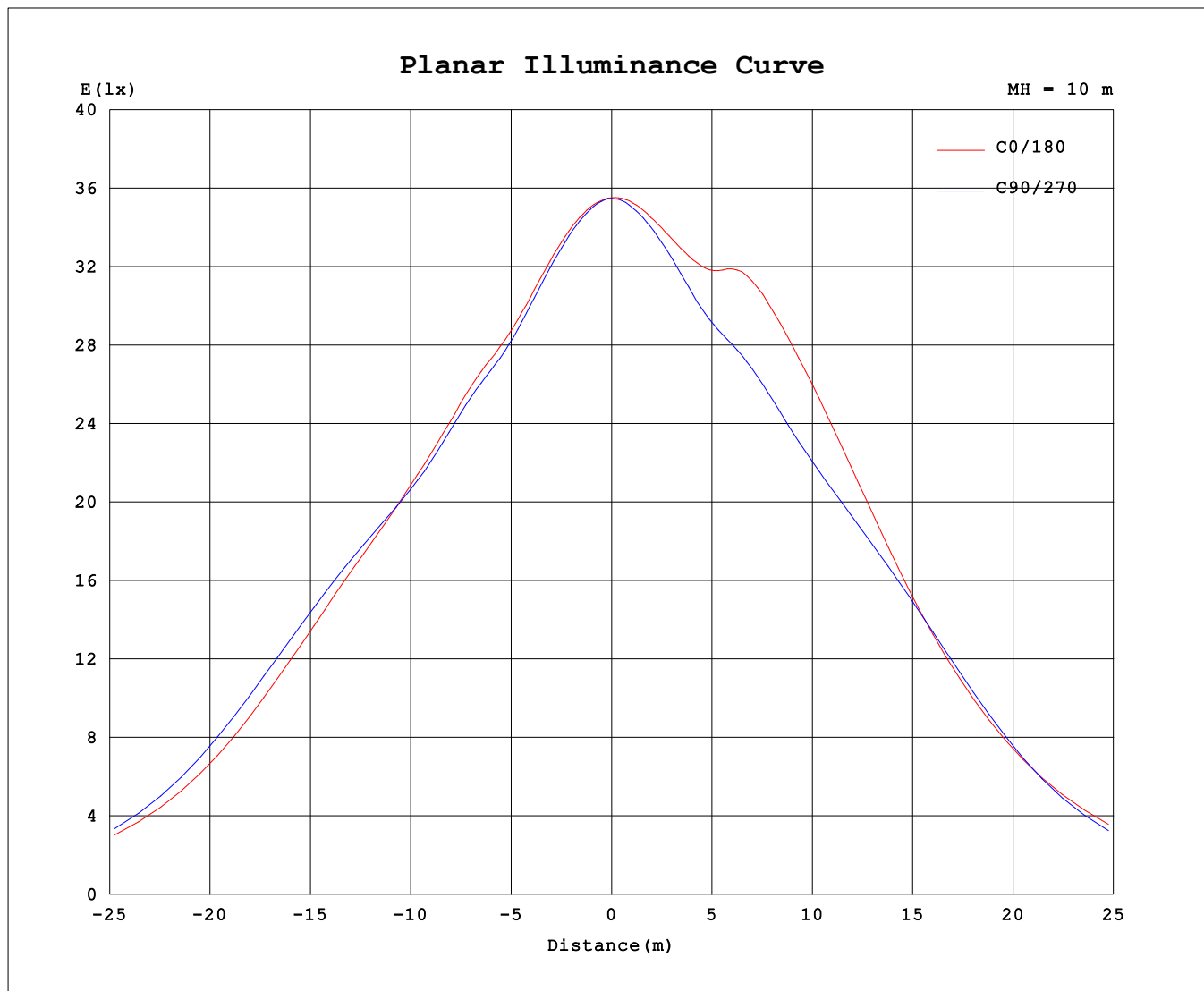
Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5°C
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

Planar Illuminance Curve



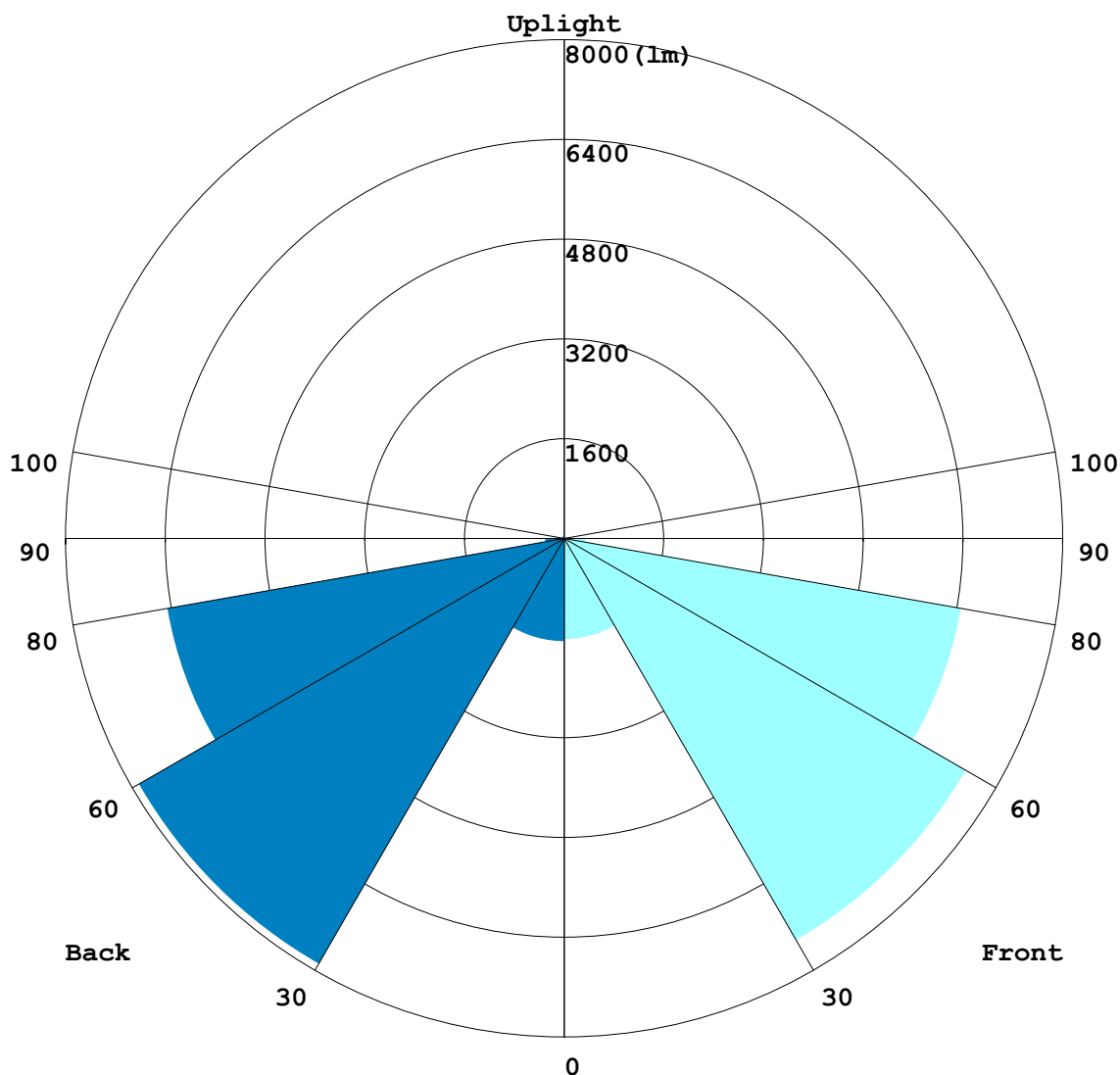
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5°C
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

LCS REPORT

Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

BUG REPORT

Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1615.3	5.0
FM - Front-Medium(30-60)	7439.2	23.1
FH - Front-High(60-80)	6465	20.0
FVH - Front-Very High(80-90)	344.2	1.1
Total Forward Light	15919	49.4

BL - Back-Low(0-30)	1647.9	5.1
BM - Back-Medium(30-60)	7880.3	24.4
BH - Back-High(60-80)	6464.3	20.0
BVH - Back-Very High(80-90)	308.57	1.0
Total Back Light	16336	50.6

UL - Uplight-Low(90-100)	10.015	0.0
UH - Uplight-High(100-180)	80.228	0.2
Total Up Light	90.243	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16301	34.96	16336
Street Side	15864	55.282	15919

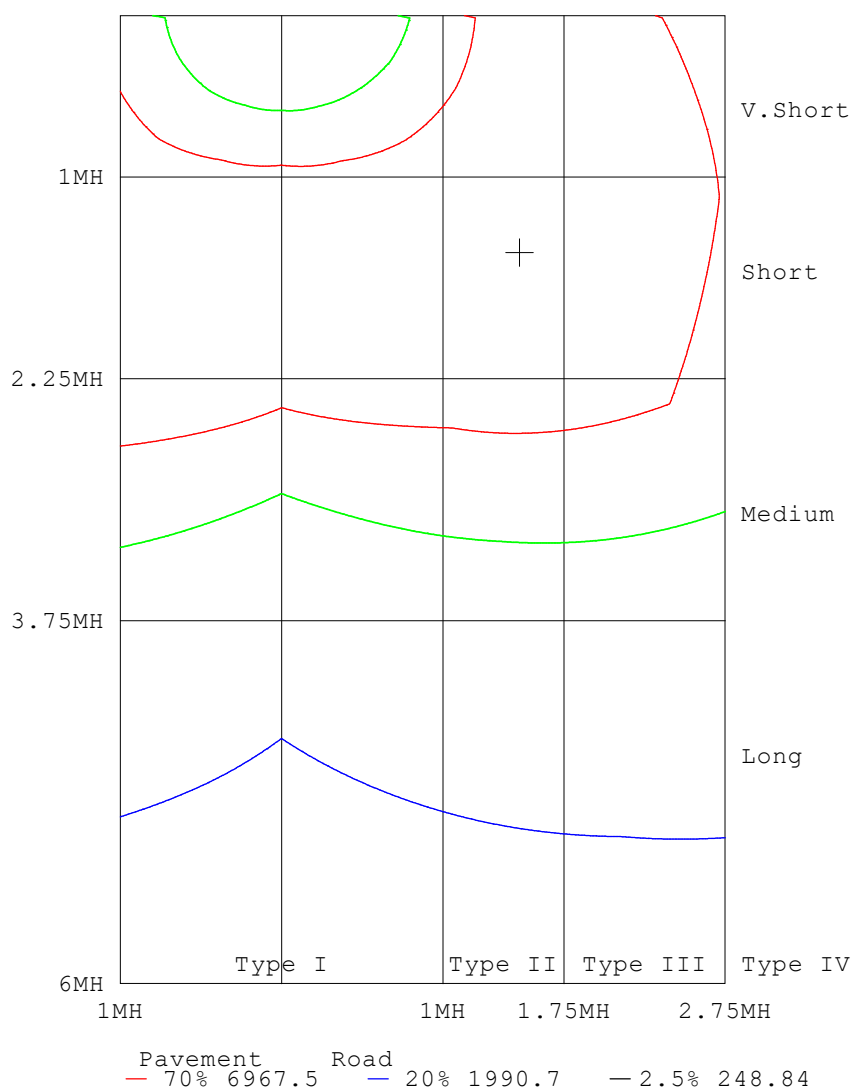
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.5°C
 Operators:DAMIN
 Test Date:2024-04-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
 Humidity: 100.0%
 Test Distance:26.000m [K=0.4205]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.77V I:2.0466A P:242.15W PF:0.9962 Freq:60.01Hz Lamp Flux:32254.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355			
5	355	355	355	355	355	355	356	357	357	357	357	356	356	355	355	355			
10	359	358	357	357	357	358	360	362	363	363	361	360	359	358	358	358			
15	365	364	363	361	362	364	369	372	375	374	371	368	366	364	364	364			
20	376	374	371	370	371	375	383	390	394	393	386	382	377	375	374	375			
25	394	390	386	384	387	395	409	422	429	426	414	405	398	394	392	393			
30	425	417	410	408	417	429	454	479	490	483	460	446	436	428	423	425			
35	471	459	448	447	461	483	521	555	569	558	526	504	488	478	471	473			
40	523	505	492	492	513	541	586	628	647	631	591	566	547	532	522	525			
45	590	563	540	549	584	609	655	710	735	713	659	640	624	600	580	590			
50	677	644	613	640	691	709	747	799	821	809	755	743	729	695	663	673			
55	769	746	719	766	815	835	856	874	882	898	877	870	847	814	770	772			
60	803	832	861	893	891	949	956	906	883	947	1004	981	910	919	879	842			
65	698	813	988	926	791	966	994	858	788	909	1062	958	783	912	944	791			
70	474	636	925	745	521	775	886	702	575	743	927	705	501	698	839	592			
75	234	376	560	410	261	430	611	452	300	474	588	365	253	387	520	347			
80	106	171	209	173	115	182	270	187	118	201	253	146	109	166	210	161			
85	29.3	51.2	53.5	57.6	39.5	64.5	65.8	56.0	33.1	48.7	61.3	41.1	27.1	33.1	55.5	44.4			
90	1.20	1.54	1.83	1.49	1.14	1.49	1.97	1.58	0.49	0.60	0.64	0.43	0.33	0.46	0.56	0.43			
95	1.38	1.61	1.79	1.56	1.30	1.52	1.70	1.48	0.19	0.26	0.29	0.22	0.20	0.25	0.28	0.22			
100	1.66	1.80	1.89	1.70	1.56	1.67	1.72	1.57	0.22	0.28	0.29	0.24	0.26	0.28	0.27	0.23			
105	1.92	1.96	2.00	1.81	1.74	1.68	1.78	1.65	0.38	0.46	0.39	0.38	0.46	0.43	0.39	0.35			
110	2.06	2.06	2.05	1.92	1.71	1.77	1.83	1.68	0.65	0.72	0.62	0.69	0.81	0.67	0.62	0.58			
115	2.12	2.13	1.97	2.09	1.75	1.88	1.88	1.68	1.02	1.05	1.01	1.21	1.31	1.15	0.96	0.95			
120	2.08	2.07	1.83	2.06	1.73	1.92	1.82	1.63	1.38	1.40	1.52	1.68	1.73	1.65	1.36	1.43			
125	2.01	2.00	1.78	1.98	1.79	1.89	1.75	1.54	1.53	1.58	1.82	1.90	1.97	1.84	1.68	1.74			
130	1.94	1.90	1.78	1.89	1.76	1.78	1.68	1.48	1.61	1.66	1.81	1.89	2.01	1.88	1.78	1.81			
135	1.91	1.78	1.80	1.85	1.75	1.75	1.65	1.47	1.57	1.62	1.60	1.72	1.86	1.80	1.75	1.71			
140	1.84	1.68	1.79	1.80	1.73	1.72	1.61	1.45	1.49	1.52	1.45	1.56	1.67	1.69	1.66	1.57			
145	1.76	1.62	1.75	1.78	1.69	1.68	1.57	1.44	1.44	1.44	1.37	1.44	1.51	1.58	1.57	1.49			
150	1.72	1.66	1.76	1.80	1.72	1.70	1.58	1.47	1.41	1.40	1.34	1.40	1.43	1.49	1.52	1.45			
155	1.75	1.75	1.80	1.85	1.76	1.74	1.62	1.52	1.45	1.42	1.36	1.40	1.41	1.44	1.49	1.44			
160	1.80	1.85	1.83	1.86	1.77	1.77	1.69	1.59	1.59	1.50	1.43	1.46	1.49	1.46	1.54	1.55			
165	1.84	1.92	1.84	1.86	1.76	1.79	1.72	1.67	1.89	1.80	1.71	1.76	1.73	1.75	1.87	1.88			
170	1.94	2.01	1.88	1.88	1.78	1.83	1.82	1.80	2.12	2.04	1.92	1.93	1.90	1.94	2.08	2.08			
175	2.01	2.14	1.98	1.99	1.93	1.99	2.03	2.03	2.20	2.23	2.07	2.09	2.05	2.11	2.20	2.20			
180	2.12	2.14	1.96	1.94	1.92	2.01	2.11	2.14	2.16	2.17	1.99	1.98	1.95	2.04	2.13	2.18			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks: