

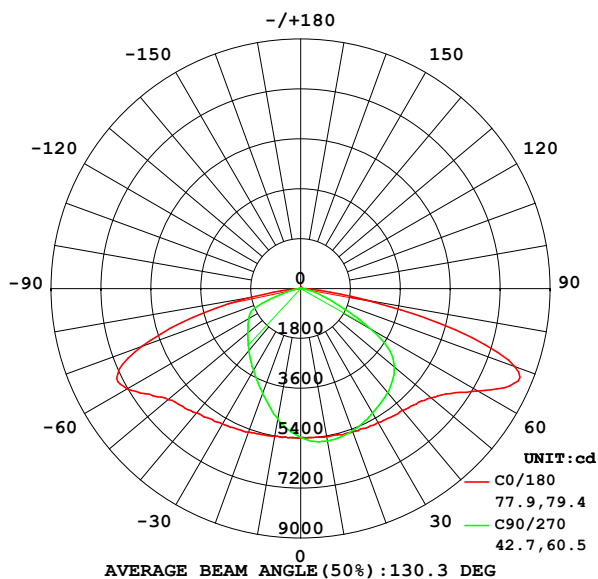
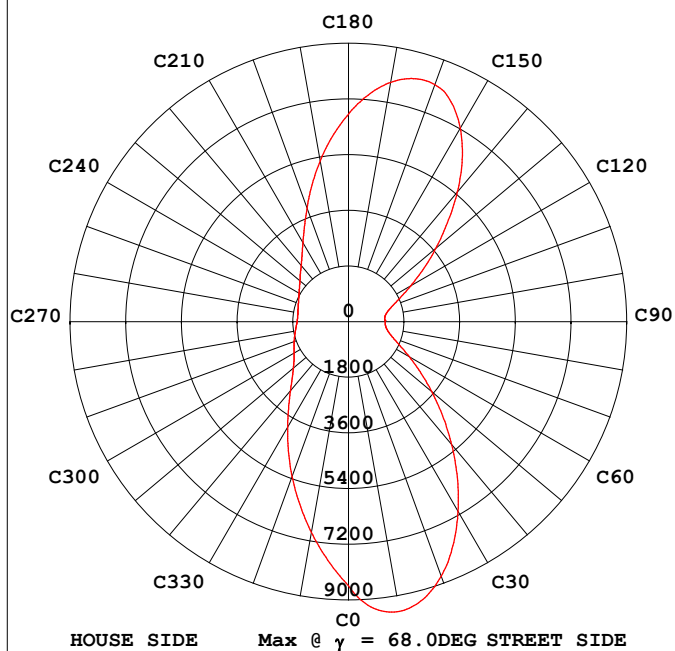
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz

Lamp Flux:22109.1x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 146.58 lm/W
MODEL	AL-240WS-3CS-T3	Imax (cd)	8535	η street_up (%)	0.1	
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	58.9	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22109	η house_up (%)	0.1	
NOMINAL FLUX (lm)	22109.1	MAXIMUM @ (C, γ)	0,68.0	η house_down (%)	40.9	
LAMPS INSIDE	1	η up (%)	0.2	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.801	

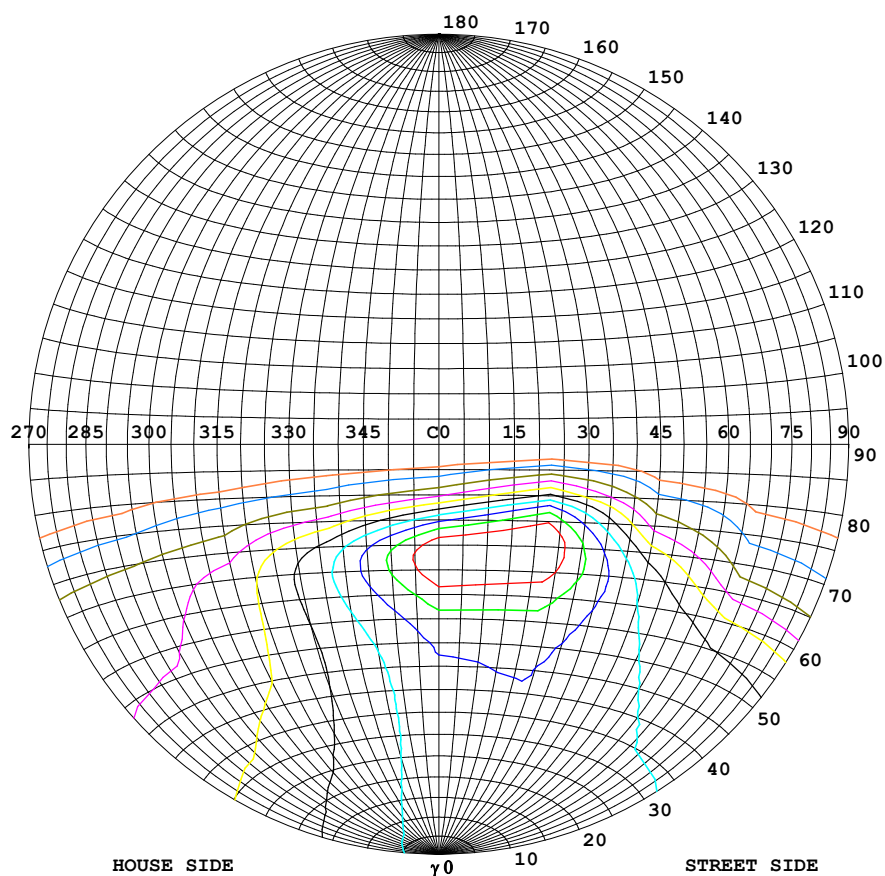
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz Lamp Flux:22109.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



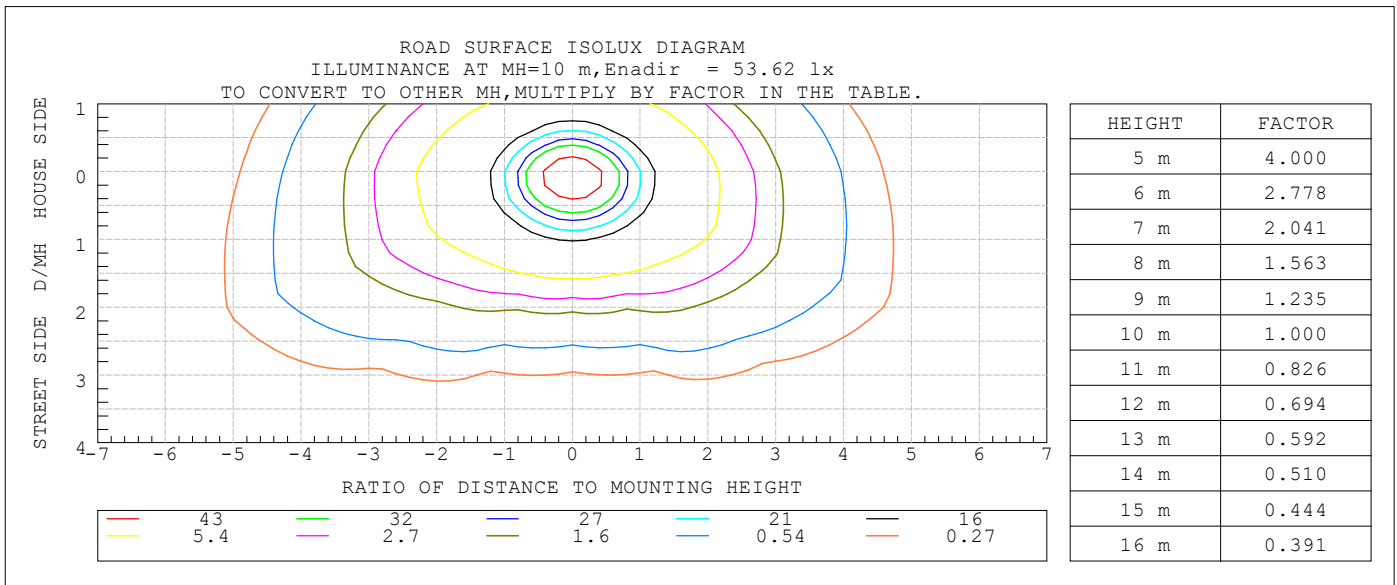
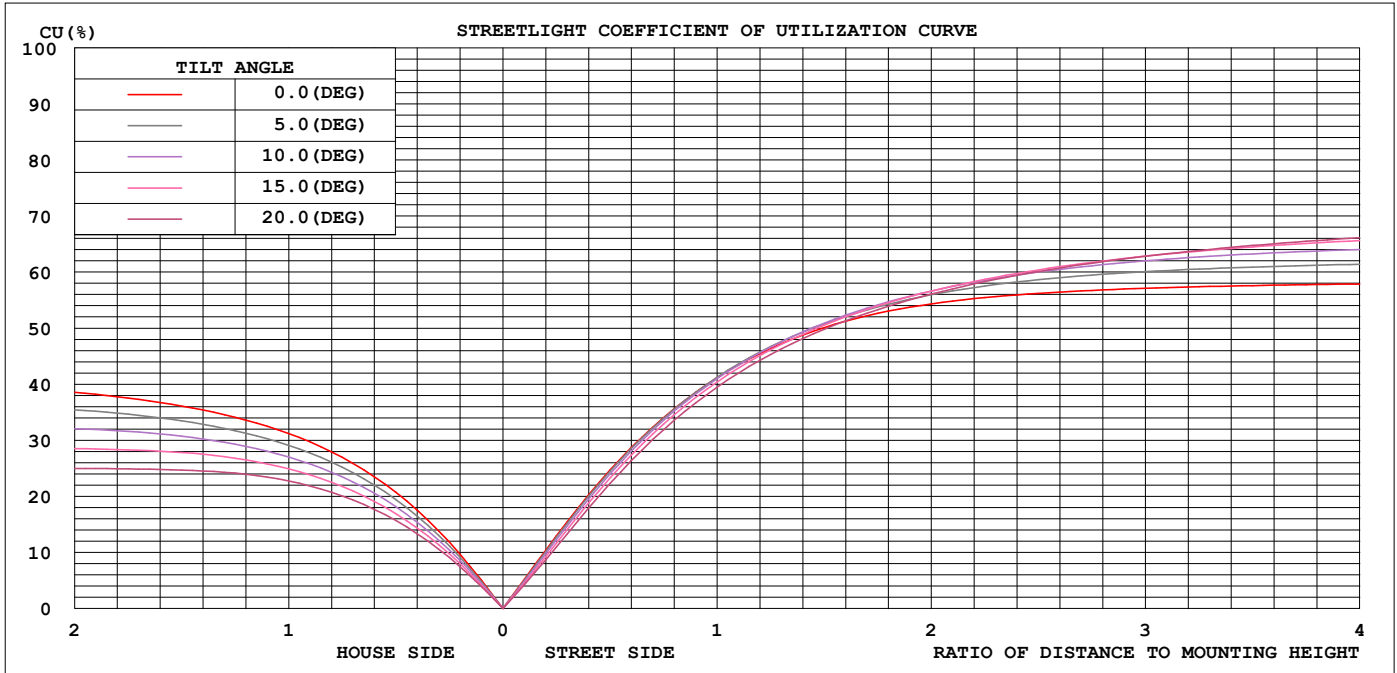
Classification:

IES:Type III - Medium
CIE:Average - Intermediate
IES:None cut-off
CIE:Non-cut-off
Max.At80:201.4cd/klm
Max.At90:0.7024cd/klm
Max.80-90:201.4cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		8535
90%		7681
80%		6828
70%		5974
60%		5121
50%		4267
40%		3414
30%		2560
20%		1707
10%		853
5%		427

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz Lamp Flux:22109.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

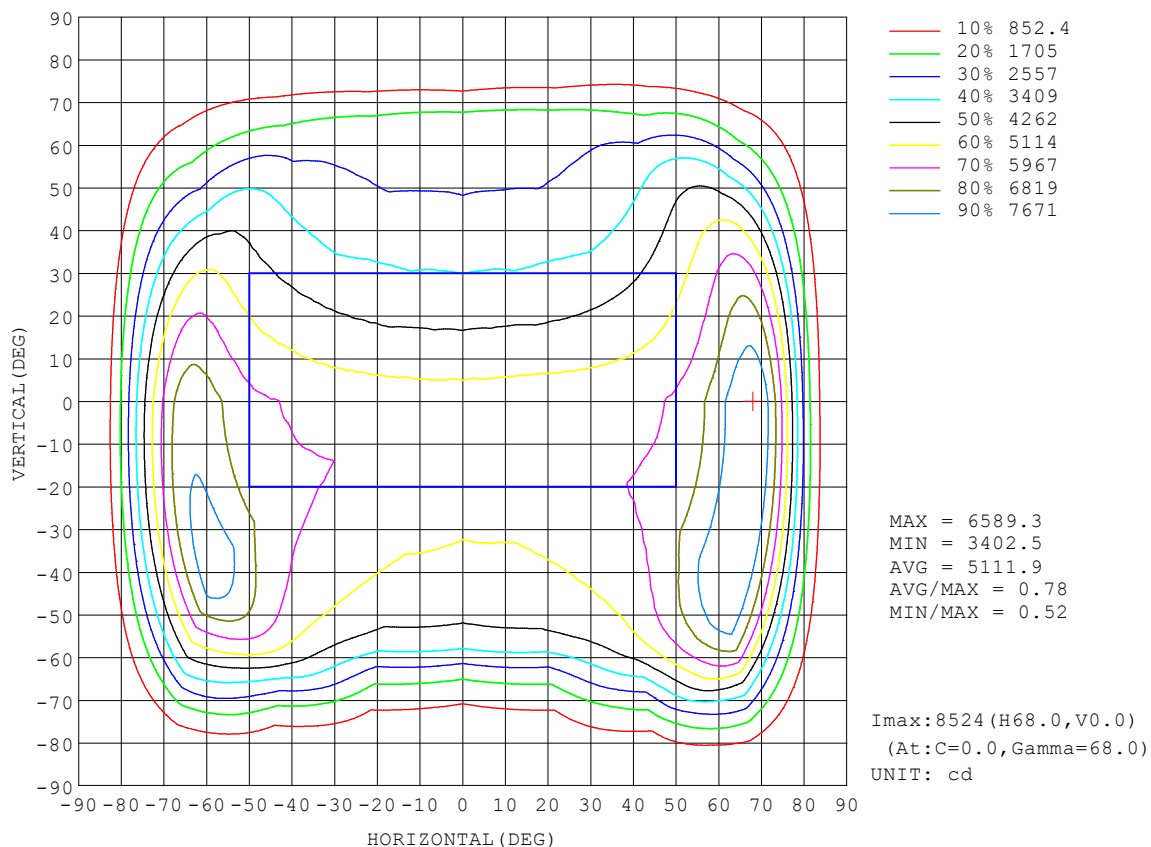
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5413	5584	5578	5607	5419	4968	4782	5014	0- 10	508.9	508.9	2.3,2.3
20	5495	5596	5463	5711	5505	4464	4020	4511	10- 20	1470	1979	8.95,8.95
30	5581	5501	5184	5676	5638	3970	3405	3983	20- 30	2301	4281	19.4,19.4
40	5730	5396	4885	5605	5855	3554	2912	3573	30- 40	2995	7276	32.9,32.9
50	6123	5287	4428	5539	6237	3218	2490	3264	40- 50	3576	10852	49.1,49.1
60	7385	5124	2911	5375	7238	2839	2170	3036	50- 60	4074	14925	67.5,67.5
70	8211	3808	939.4	3968	6091	1924	1317	2285	60- 70	4188	19113	86.4,86.4
80	2387	1041	278.7	835.0	1774	434.6	260.7	585.7	70- 80	2532	21645	97.9,97.9
90	14.47	6.299	2.067	4.999	12.58	4.041	2.474	5.757	80- 90	414.3	22060	99.8,99.8
100	10.35	3.761	2.566	3.937	6.939	2.289	1.131	2.718	90-100	4.852	22064	99.8,99.8
110	14.01	6.121	3.393	5.693	9.275	3.153	2.270	4.226	100-110	5.068	22069	99.8,99.8
120	14.96	7.147	4.719	6.913	11.35	5.860	4.696	4.937	110-120	6.701	22076	99.9,99.9
130	13.24	8.479	5.928	7.413	10.45	8.136	7.300	7.225	120-130	7.436	22084	99.9,99.9
140	12.68	9.857	7.434	8.429	7.586	7.171	7.988	7.101	130-140	6.546	22090	99.9,99.9
150	12.51	11.31	9.415	9.850	7.697	7.674	8.620	8.015	140-150	5.443	22096	99.9,99.9
160	14.56	13.84	12.46	12.32	14.57	12.73	13.23	13.19	150-160	4.974	22101	100,100
170	21.72	21.83	20.95	20.12	43.54	36.63	31.22	37.63	160-170	5.469	22106	100,100
180	34.56	28.64	27.95	32.84	34.80	33.14	28.42	30.85	170-180	3.079	22109	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

ISOCANDELA DIAGRAM

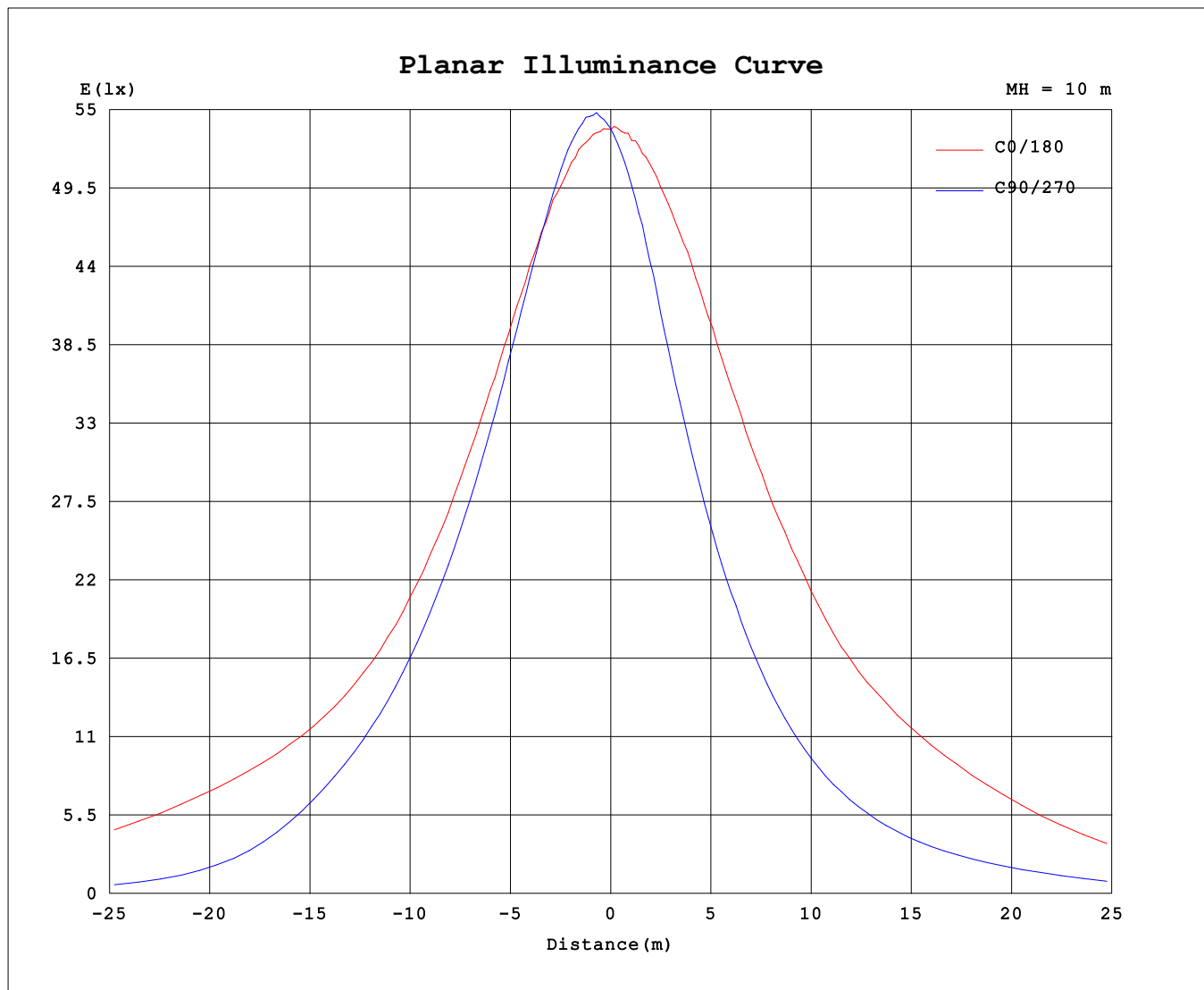
Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz Lamp Flux:22109.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

Planar Illuminance Curve



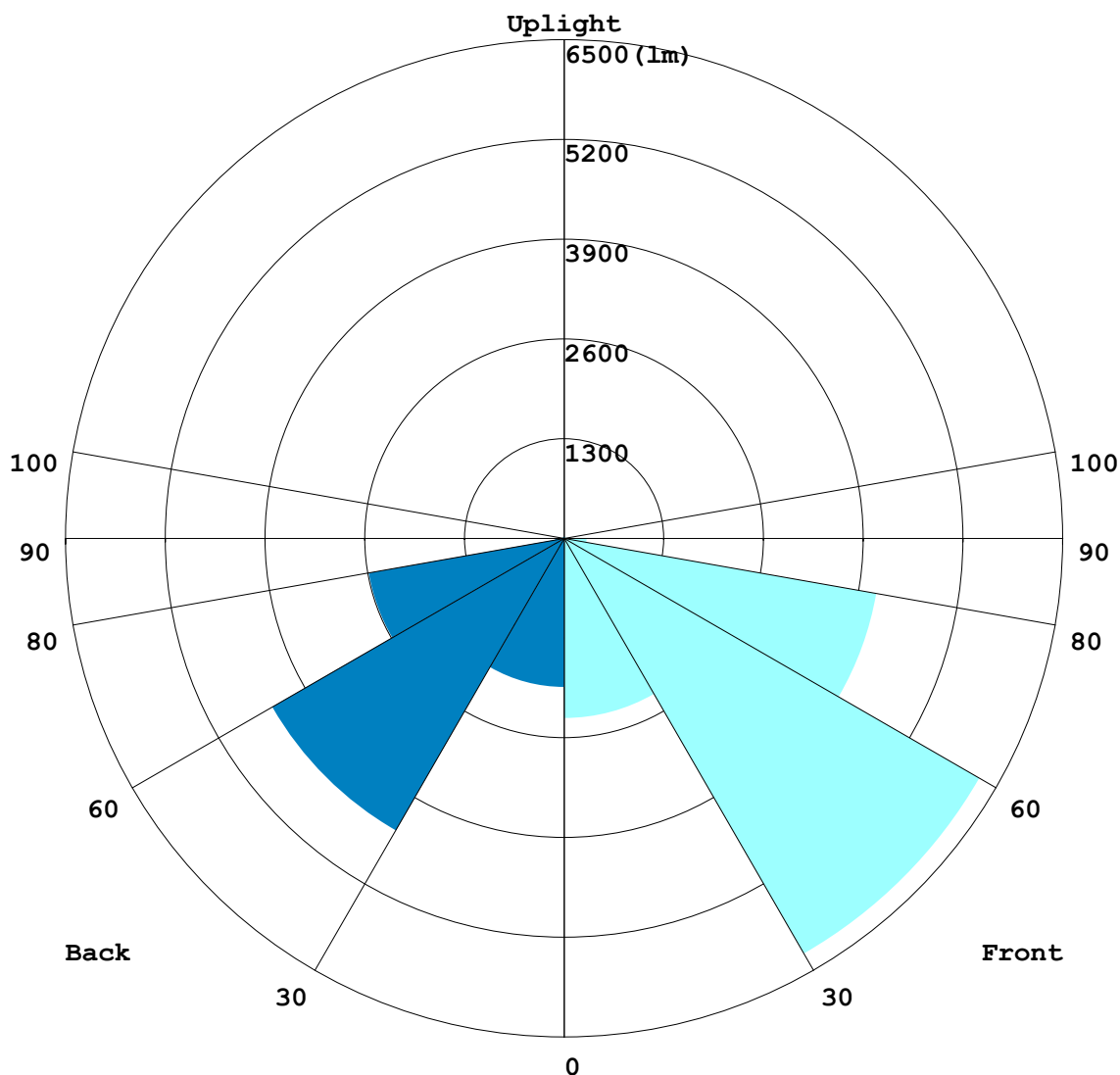
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 24.9°C
 Operators:DAMIN
 Test Date:2024-12-24

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=0.4295]
 Remarks:

LCS REPORT

Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz Lamp Flux:22109.1x1 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: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

BUG REPORT

Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz Lamp Flux:22109.1x1 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)	2341.3	10.6
FM - Front-Medium(30-60)	6251.8	28.3
FH - Front-High(60-80)	4133.2	18.7
FVH - Front-Very High(80-90)	295.2	1.3
Total Forward Light	13048	59.0

BL - Back-Low(0-30)	1939.4	8.8
BM - Back-Medium(30-60)	4392.8	19.9
BH - Back-High(60-80)	2586.8	11.7
BVH - Back-Very High(80-90)	119.05	0.5
Total Back Light	9061.1	41.0

UL - Uplight-Low(90-100)	4.8519	0.0
UH - Uplight-High(100-180)	44.716	0.2
Total Up Light	49.568	0.2

BUG(Back,Up,Glare) Rating	B4-U2-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9038	23.128	9061.1
Street Side	13022	26.441	13048

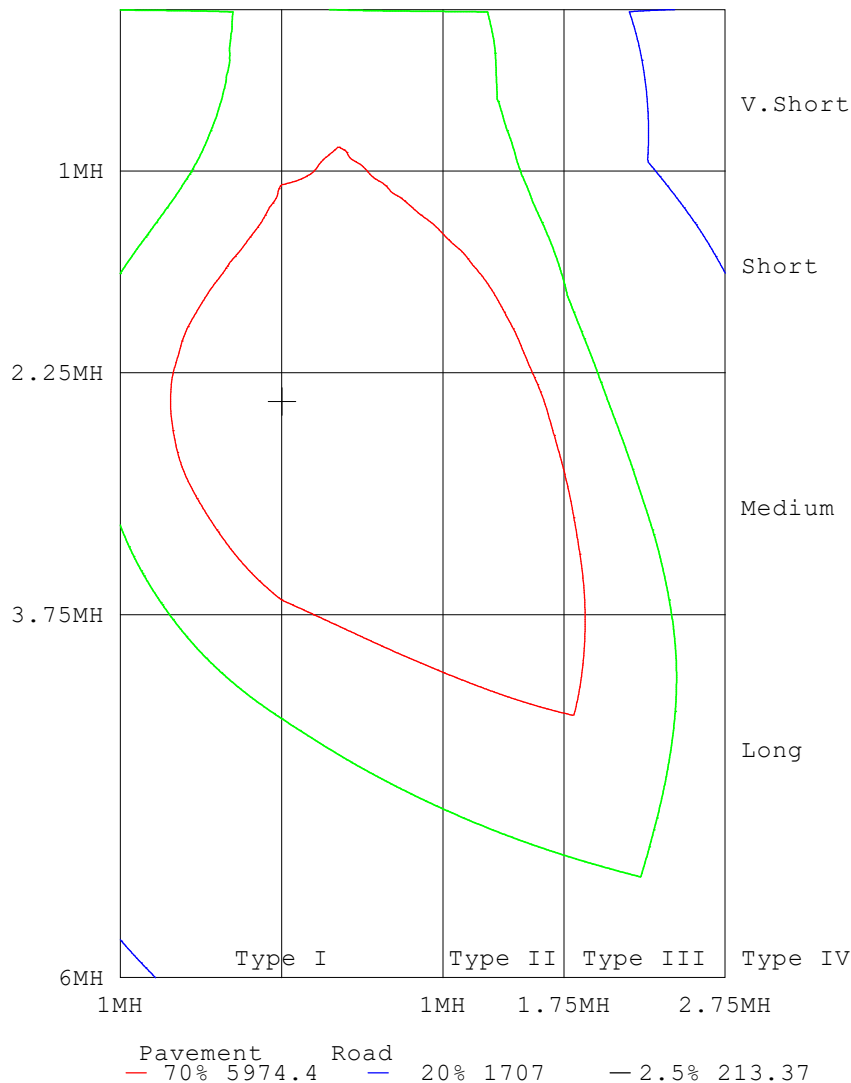
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz Lamp Flux:22109.1x1 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: MEDIUM
Temperature: 24.9°C
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.15V I:1.2666A P:150.83W PF:0.9995 Freq:60.01Hz Lamp Flux:22109.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

Table--1

UNIT: cd

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	5369	5369	5369	5369	5369	5369	5369	5369	5369	5369	5369	5369	5369	5369	5369	5369			
5	5395	5454	5480	5493	5528	5518	5505	5461	5403	5283	5176	5126	5112	5147	5203	5294			
10	5413	5536	5584	5577	5578	5592	5607	5554	5419	5198	4968	4805	4782	4866	5014	5223			
15	5458	5601	5593	5527	5547	5600	5675	5647	5449	5114	4723	4453	4389	4514	4796	5137			
20	5495	5664	5596	5459	5463	5553	5711	5753	5505	5002	4464	4103	4020	4146	4511	5031			
25	5555	5743	5545	5350	5336	5457	5703	5843	5568	4893	4188	3789	3696	3843	4238	4916			
30	5581	5786	5501	5222	5184	5336	5676	5930	5638	4777	3970	3514	3405	3535	3983	4799			
35	5667	5870	5453	5100	5042	5205	5643	6014	5731	4677	3740	3274	3154	3278	3762	4715			
40	5730	5916	5396	4963	4885	5061	5605	6109	5855	4642	3554	3043	2912	3045	3573	4661			
45	5894	6044	5336	4814	4687	4885	5559	6271	6009	4581	3373	2818	2690	2838	3406	4647			
50	6123	6242	5287	4603	4428	4637	5539	6459	6237	4555	3218	2597	2490	2622	3264	4702			
55	6602	6621	5228	4280	3936	4255	5499	6876	6657	4568	3044	2417	2328	2447	3141	4845			
60	7385	7201	5124	3546	2911	3505	5375	7588	7238	4592	2839	2225	2170	2276	3036	5041			
65	8320	8046	4807	2322	1723	2293	5050	8247	7281	4247	2522	2005	1979	2096	2857	5169			
70	8211	8492	3808	1336	939	1332	3968	7535	6091	3103	1924	1470	1317	1662	2285	4613			
75	5792	7595	2291	708	527	705	2180	5446	4034	1818	1068	683	571	793	1397	2890			
80	2387	4453	1041	359	279	354	835	3033	1774	829	435	280	261	334	586	1109			
85	519	1260	251	143	109	119	182	640	283	148	94.9	70.4	79.7	106	119	288			
90	14.5	15.5	6.30	2.80	2.07	2.68	5.00	10.9	12.6	7.35	4.04	2.77	2.47	3.52	5.76	11.6			
95	9.09	6.98	3.50	2.24	2.00	2.36	3.54	7.15	7.26	4.79	2.44	1.44	1.28	1.75	3.03	5.86			
100	10.4	6.62	3.76	2.63	2.57	2.79	3.94	7.06	6.94	4.35	2.29	1.26	1.13	1.65	2.72	4.15			
105	12.0	8.42	4.83	3.28	3.23	3.24	4.76	7.82	8.14	4.81	2.56	1.51	1.47	2.29	3.20	4.51			
110	14.0	10.4	6.12	4.14	3.39	4.07	5.69	8.65	9.27	6.04	3.15	2.24	2.27	3.23	4.23	5.70			
115	15.2	12.2	6.73	5.45	3.88	5.12	6.55	9.37	9.85	7.18	4.11	3.18	3.34	4.77	4.27	6.90			
120	15.0	12.7	7.15	6.37	4.72	5.81	6.91	9.33	11.4	9.74	5.86	4.47	4.70	5.97	4.94	8.73			
125	14.0	12.5	7.75	6.92	5.29	6.26	7.10	8.90	11.5	10.9	7.66	5.96	6.22	6.92	6.59	9.91			
130	13.2	11.8	8.48	7.42	5.93	6.55	7.41	8.68	10.5	9.92	8.14	7.14	7.30	7.67	7.23	9.18			
135	12.9	10.8	9.16	8.11	6.69	7.22	7.86	8.75	8.90	8.71	7.75	7.71	7.89	8.04	7.19	7.59			
140	12.7	10.3	9.86	8.85	7.43	8.12	8.43	8.93	7.59	7.95	7.17	7.69	7.99	8.12	7.10	5.64			
145	12.3	10.3	10.6	9.76	8.32	9.03	9.12	9.37	7.27	7.53	7.09	7.74	8.10	8.32	7.35	5.43			
150	12.5	11.0	11.3	10.9	9.42	10.1	9.85	9.90	7.70	7.92	7.67	8.48	8.62	8.84	8.01	6.54			
155	13.1	12.2	12.3	12.3	10.7	11.4	10.8	10.6	9.69	9.68	9.31	9.98	10.0	10.2	9.62	8.16			
160	14.6	14.2	13.8	14.1	12.5	13.0	12.3	11.9	14.6	13.7	12.7	13.0	13.2	13.1	13.2	12.5			
165	17.3	17.7	16.8	17.1	15.7	15.9	15.1	14.7	26.1	24.7	22.3	21.2	20.8	21.3	23.1	23.5			
170	21.7	22.9	21.8	21.8	21.0	20.6	20.1	19.7	43.5	41.6	36.6	32.6	31.2	33.6	37.6	39.4			
175	25.8	28.0	26.4	26.3	26.0	25.8	26.1	25.5	49.1	49.1	43.2	36.1	33.5	35.0	39.3	43.3			
180	34.6	32.2	28.6	27.6	27.9	30.4	32.8	33.8	34.8	34.8	33.1	29.4	28.4	28.6	30.8	33.3			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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=0.4295]
Remarks: