

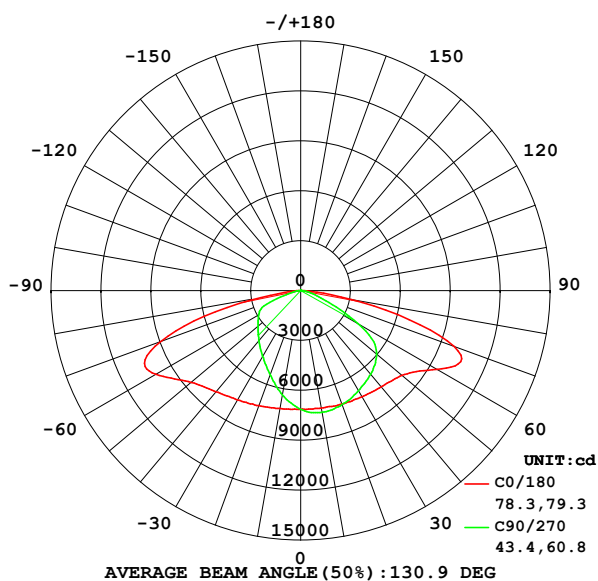
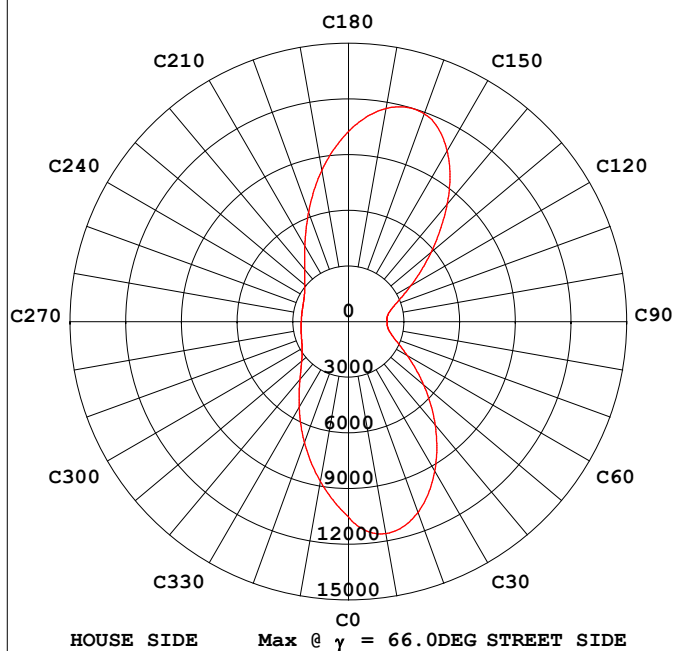
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz

Lamp Flux:29755.2x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 156.41 lm/W
MODEL	AL-240WS-3CS-T3	Imax (cd)	11776	η street_up (%)	0.0	
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	58.6	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	29688	η house_up (%)	0.0	
NOMINAL FLUX (lm)	29755.2	MAXIMUM @ (C, γ)	158,66.0	η house_down (%)	41.1	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.211	

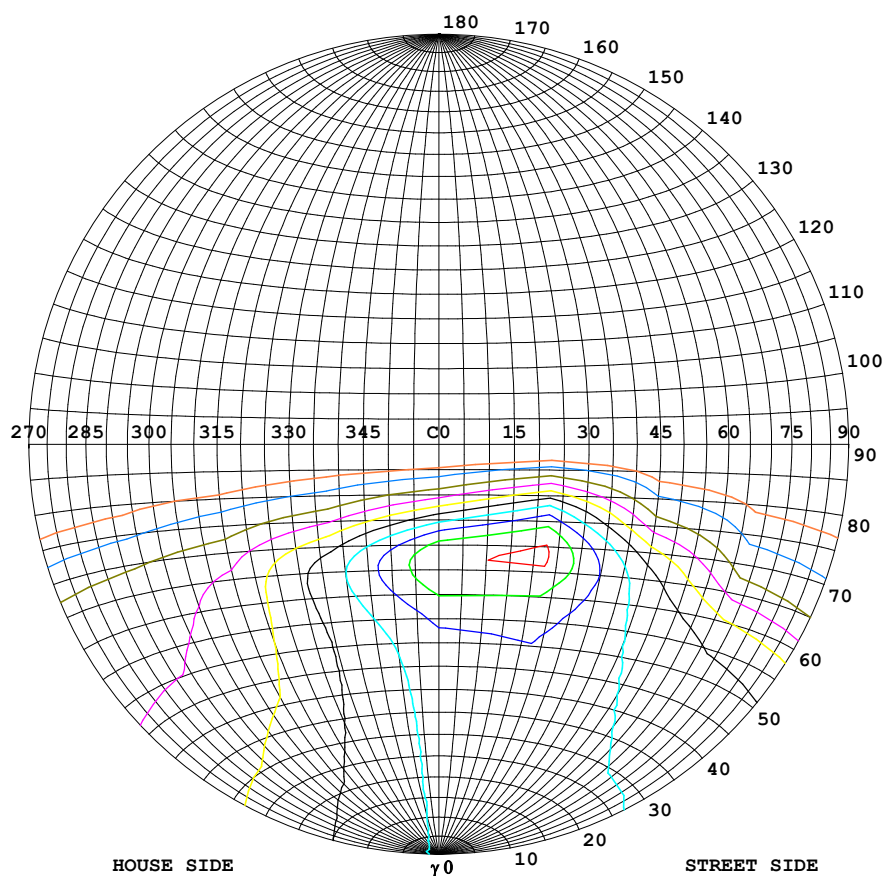
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9°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:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz Lamp Flux:29755.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

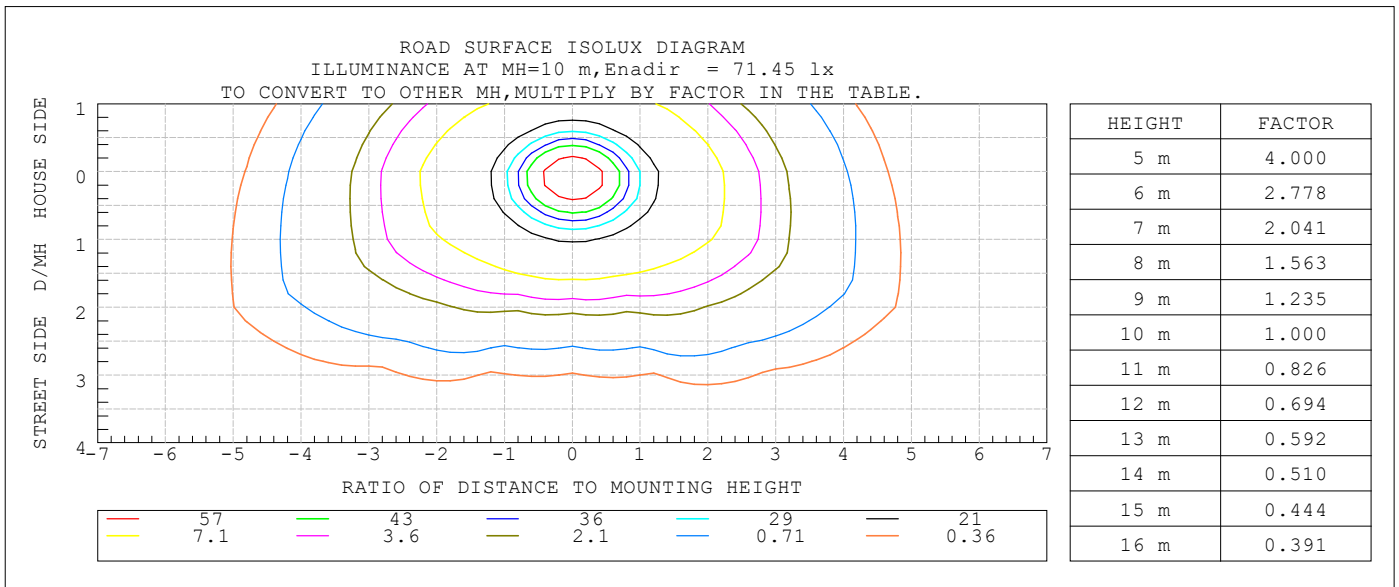
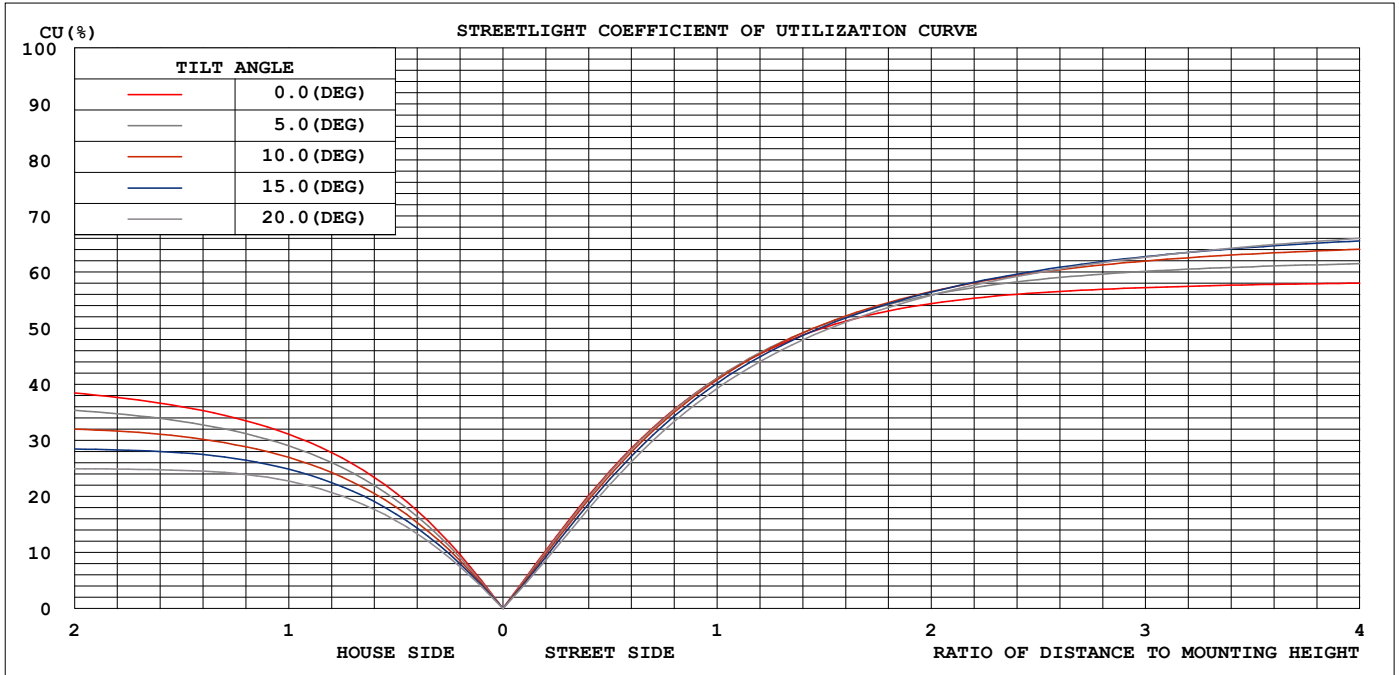
IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:185.9cd/klm
Max.At90:0cd/klm
Max.80-90:185.9cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		11776
90%		10599
80%		9421
70%		8244
60%		7066
50%		5888
40%		4711
30%		3533
20%		2355
10%		1178
5%		589

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°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:

ZONAL FLUX DIAGRAM

Test:U:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz Lamp Flux:29755.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

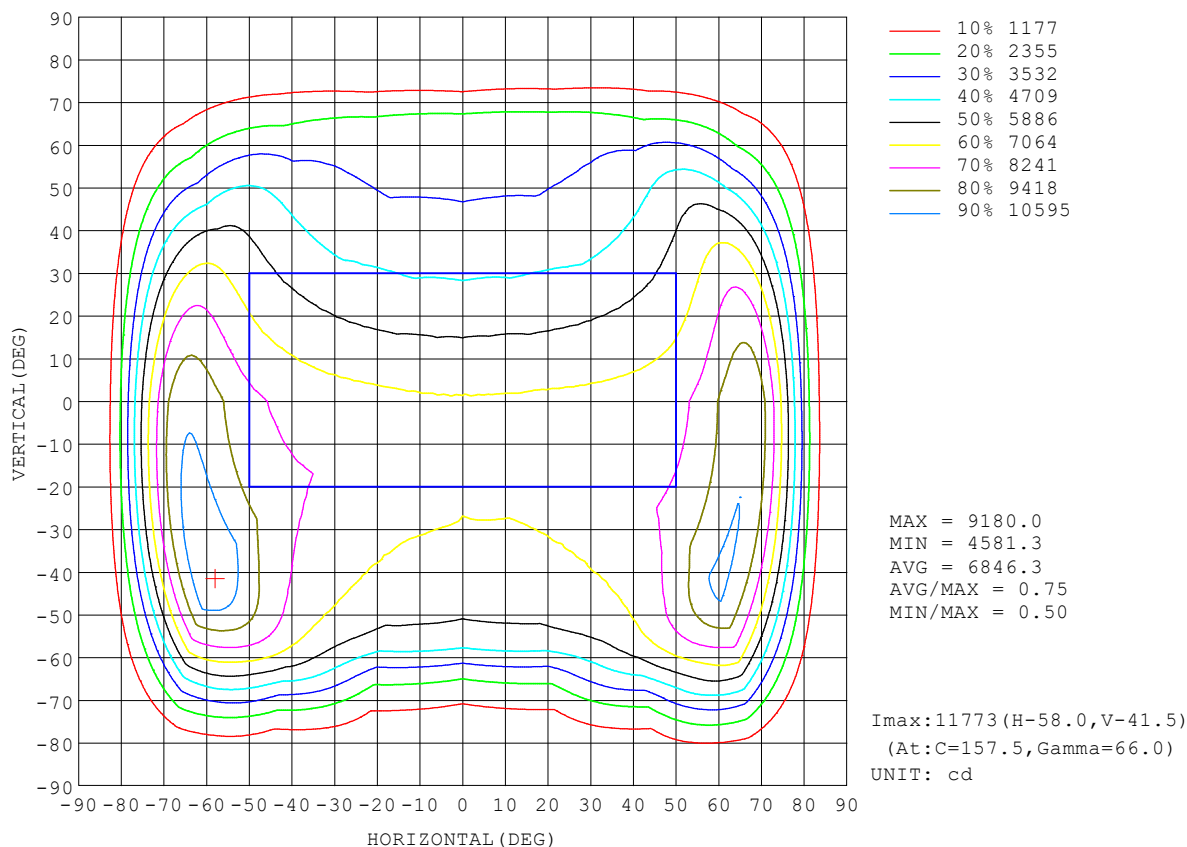
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	717.6	739.2	742.2	748.6	719.1	666.7	637.6	667.4	0- 10	677.5	677.5	2.28,2.28
20	724.7	744.8	730.2	762.3	736.7	600.8	538.7	601.7	10- 20	1962	2640	8.89,8.87
30	737.7	737.8	696.0	767.1	759.6	535.9	458.1	533.2	20- 30	3081	5720	19.3,19.2
40	755.6	723.1	656.4	758.9	794.0	485.4	392.4	479.5	30- 40	4024	9744	32.8,32.7
50	793.1	710.6	596.4	760.9	859.6	441.2	336.0	436.7	40- 50	4820	14564	49.1,48.9
60	948.5	684.9	398.5	753.2	1007	394.7	292.3	400.2	50- 60	5510	20074	67.6,67.5
70	980.5	515.3	129.4	573.4	895.2	265.0	176.0	298.0	60- 70	5666	25740	86.7,86.5
80	310.8	129.8	38.45	133.4	245.1	65.02	35.24	70.73	70- 80	3390	29130	98.1,97.9
90	0	0	0	0	0	0	0	0	80- 90	557.9	29688	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	29688	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	29688	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	29688	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	29688	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	29688	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	29688	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	29688	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	29688	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	29688	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									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

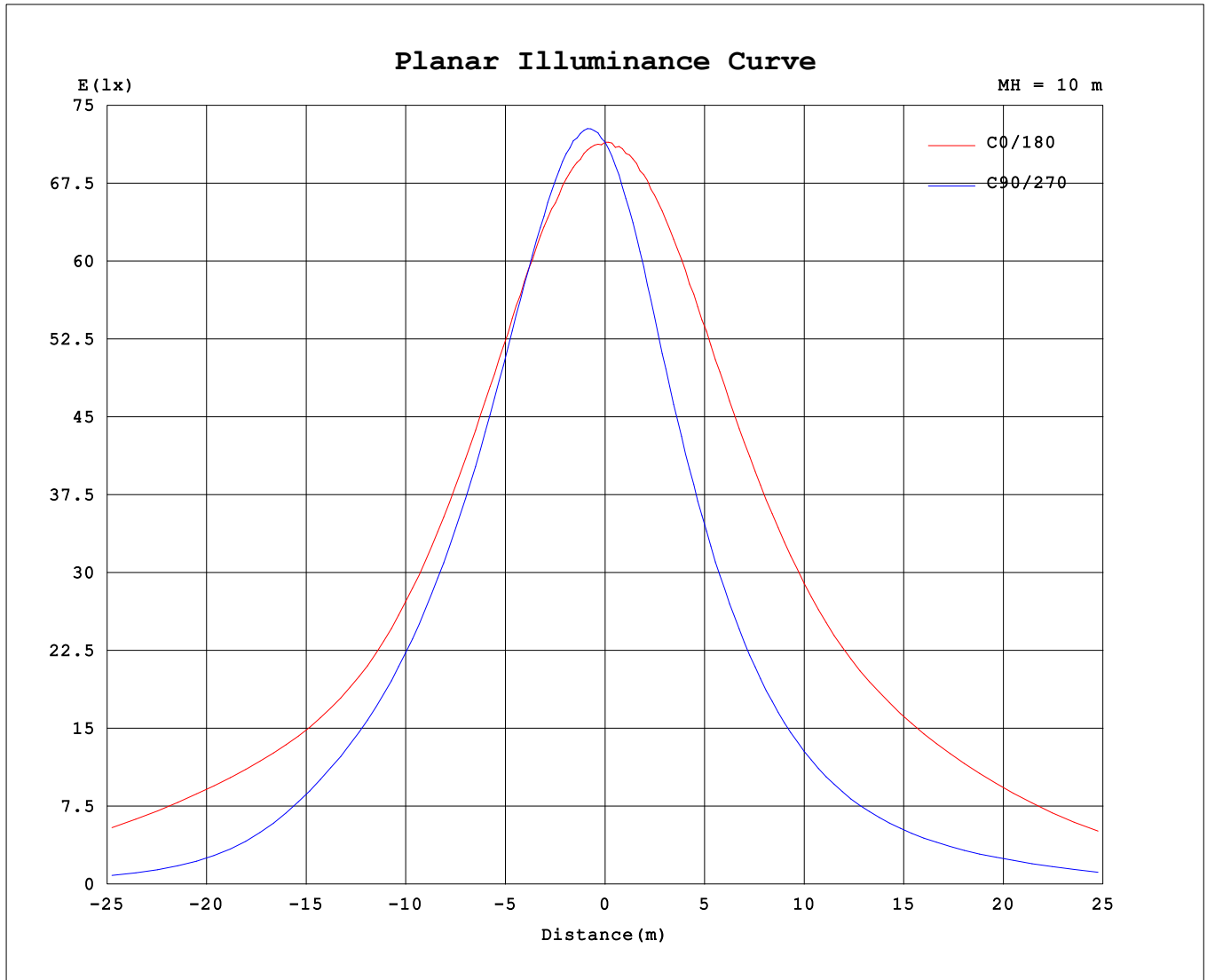
Test:U:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz Lamp Flux:29755.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



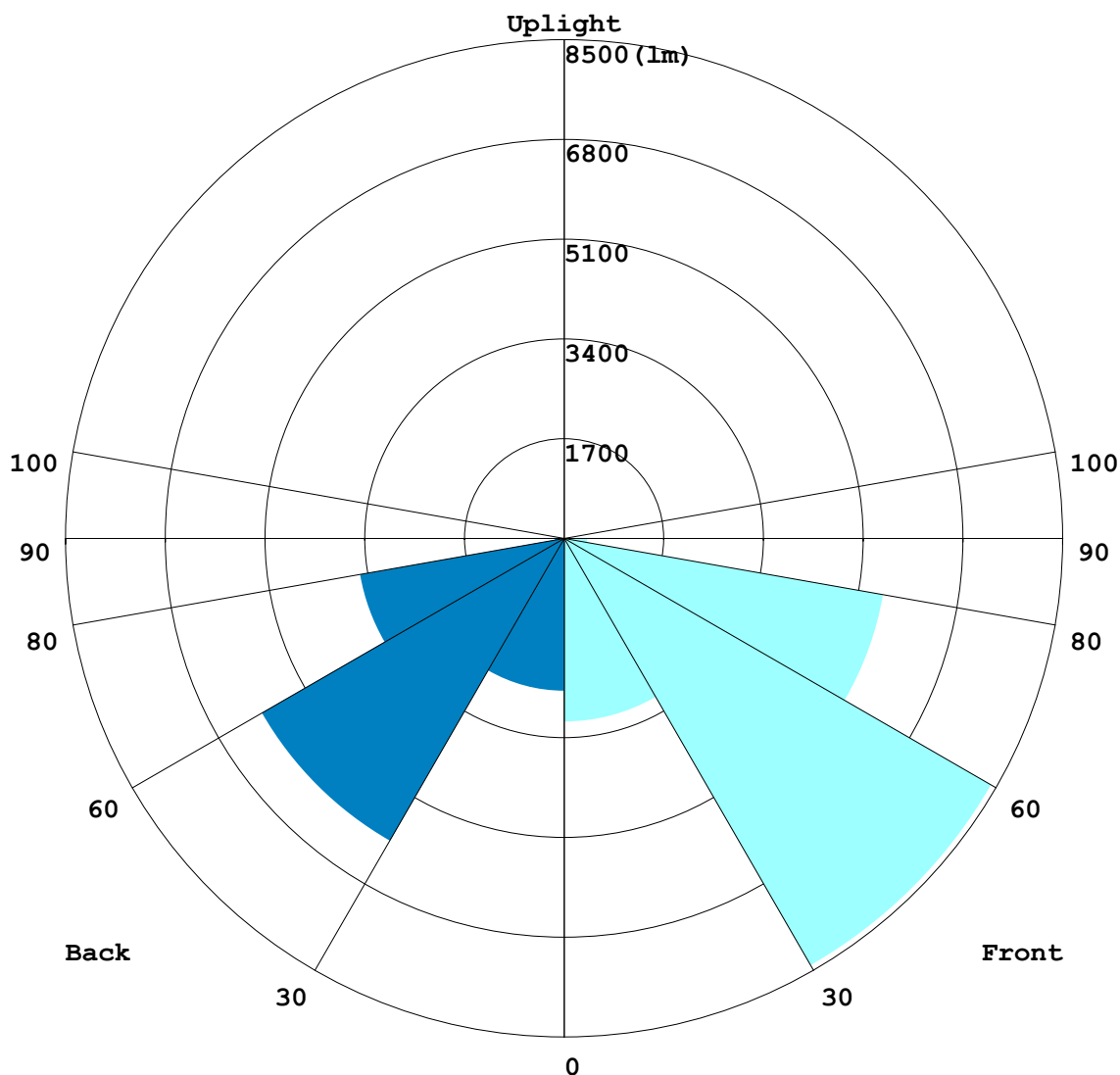
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 24.9°C
 Operators:DAMIN
 Test Date:2024-12-24

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:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz Lamp Flux:29755.2x1 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:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz Lamp Flux:29755.2x1 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)	3123.6	10.5
FM - Front-Medium(30-60)	8405.6	28.3
FH - Front-High(60-80)	5523.1	18.6
FVH - Front-Very High(80-90)	396.42	1.3
Total Forward Light	17449	58.8

BL - Back-Low(0-30)	2596.8	8.7
BM - Back-Medium(30-60)	5948.4	20.0
BH - Back-High(60-80)	3532.4	11.9
BVH - Back-Very High(80-90)	161.43	0.5
Total Back Light	12239	41.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12239	0	12239
Street Side	17449	0	17449

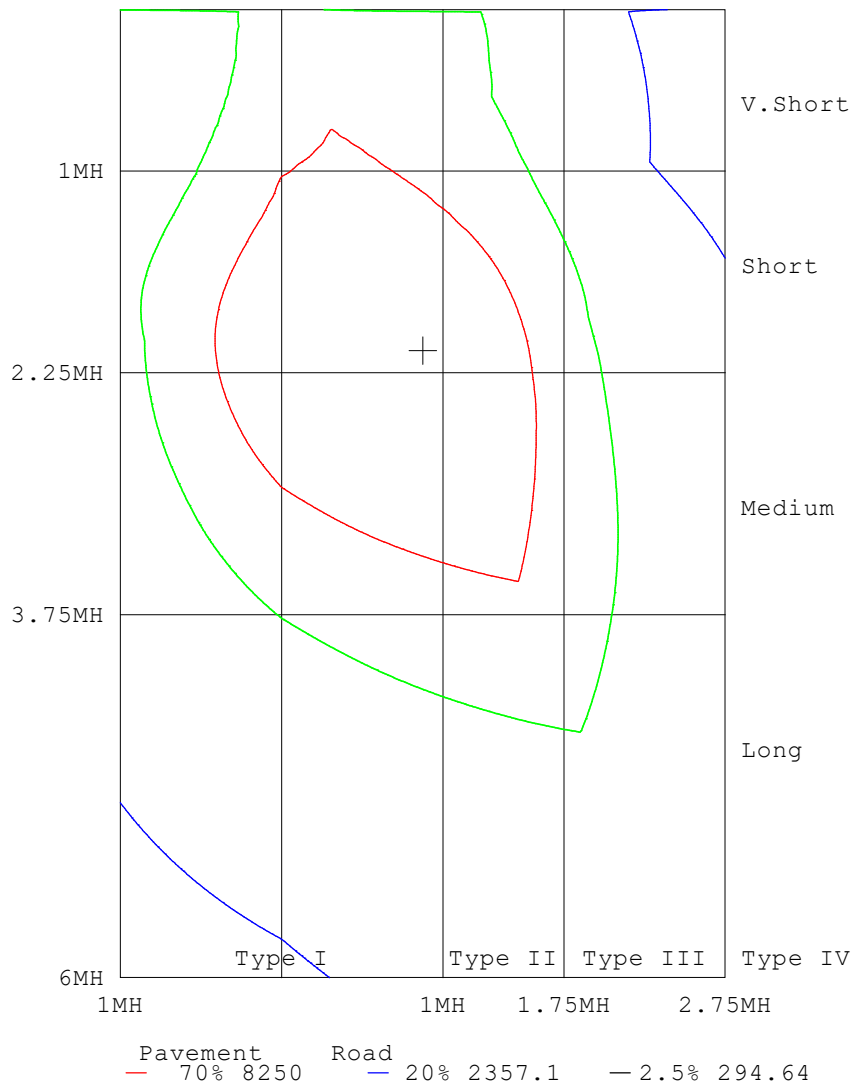
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 24.9℃
Operators:DAMIN
Test Date:2024-12-24

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:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz Lamp Flux:29755.2x1 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:118.96V I:1.5960A P:189.81W PF:0.9998 Freq:60.01Hz Lamp Flux:29755.2x1 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	715	715	715	715	715	715	715	715	715	715	715	715	715	715	715	715			
5	715	725	731	734	736	736	735	728	716	706	694	684	679	684	694	703			
10	718	735	739	741	742	746	749	741	719	694	667	646	638	646	667	694			
15	722	744	746	740	741	747	759	755	728	683	636	599	587	599	636	680			
20	725	750	745	730	730	742	762	770	737	671	601	553	539	554	602	669			
25	732	761	742	720	716	733	767	785	747	659	567	513	496	512	567	653			
30	738	767	738	704	696	716	767	796	760	647	536	476	458	475	533	639			
35	746	777	732	686	676	701	764	812	774	637	508	443	424	440	505	625			
40	756	786	723	668	656	680	759	830	794	634	485	412	392	410	479	619			
45	770	803	718	650	631	661	760	857	819	632	462	380	362	380	456	614			
50	793	822	711	623	596	629	761	894	860	635	441	353	336	353	437	617			
55	850	863	702	580	536	582	761	961	927	643	419	328	313	328	417	631			
60	948	940	685	482	398	482	753	1063	1007	647	395	304	292	307	400	653			
65	1044	1044	645	315	236	321	717	1169	1037	605	349	273	264	281	373	661			
70	980	1068	515	181	129	187	573	1113	895	463	265	201	176	220	298	558			
75	677	892	302	96.2	72.6	99.8	335	852	600	274	155	94.0	76.2	104	172	342			
80	311	553	130	49.3	38.4	50.0	133	445	245	115	65.0	39.1	35.2	43.5	70.7	143			
85	67.6	157	31.8	18.4	15.0	18.1	27.9	101	48.1	22.7	13.6	10.5	10.7	12.8	15.0	35.3			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

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: