

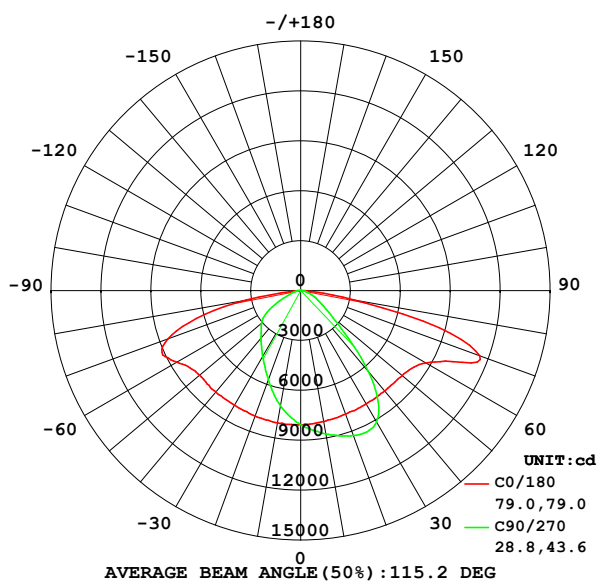
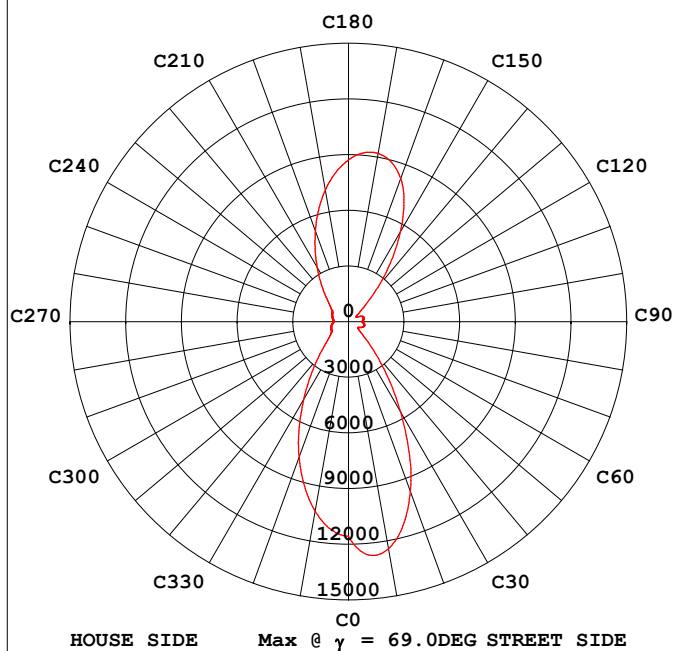
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz

Lamp Flux:27436.5x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 137.33 lm/W
MODEL	AL-240WS-3CS-T2	I _{max} (cd)	11561	η street_up (%)	0.0	
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	57.0	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	27374	η house_up (%)	0.0	
NOMINAL FLUX (lm)	27436.5	MAXIMUM @ (C, γ)	0,69.0	η house_down (%)	42.8	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.421	

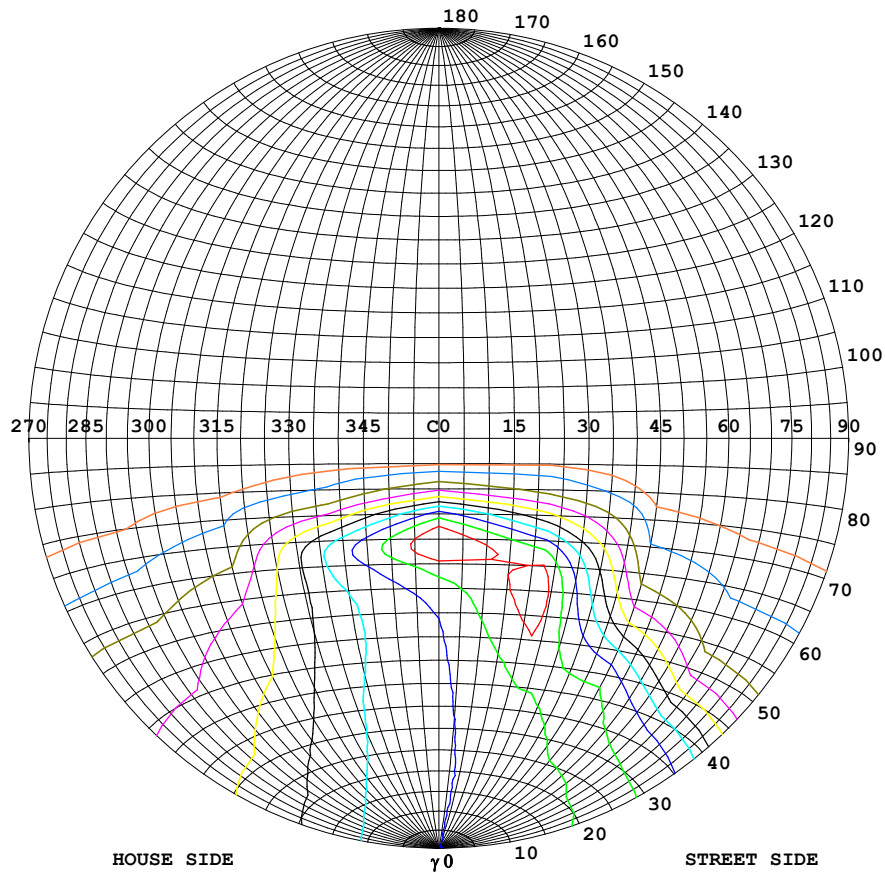
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz Lamp Flux:27436.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



Classification:

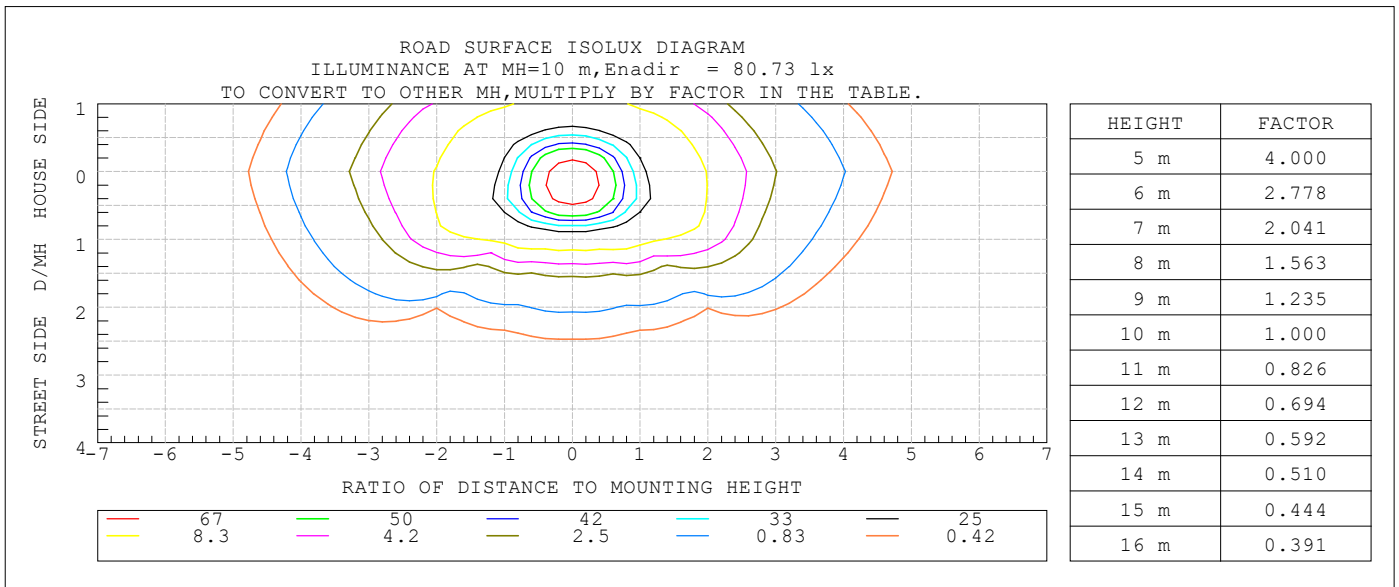
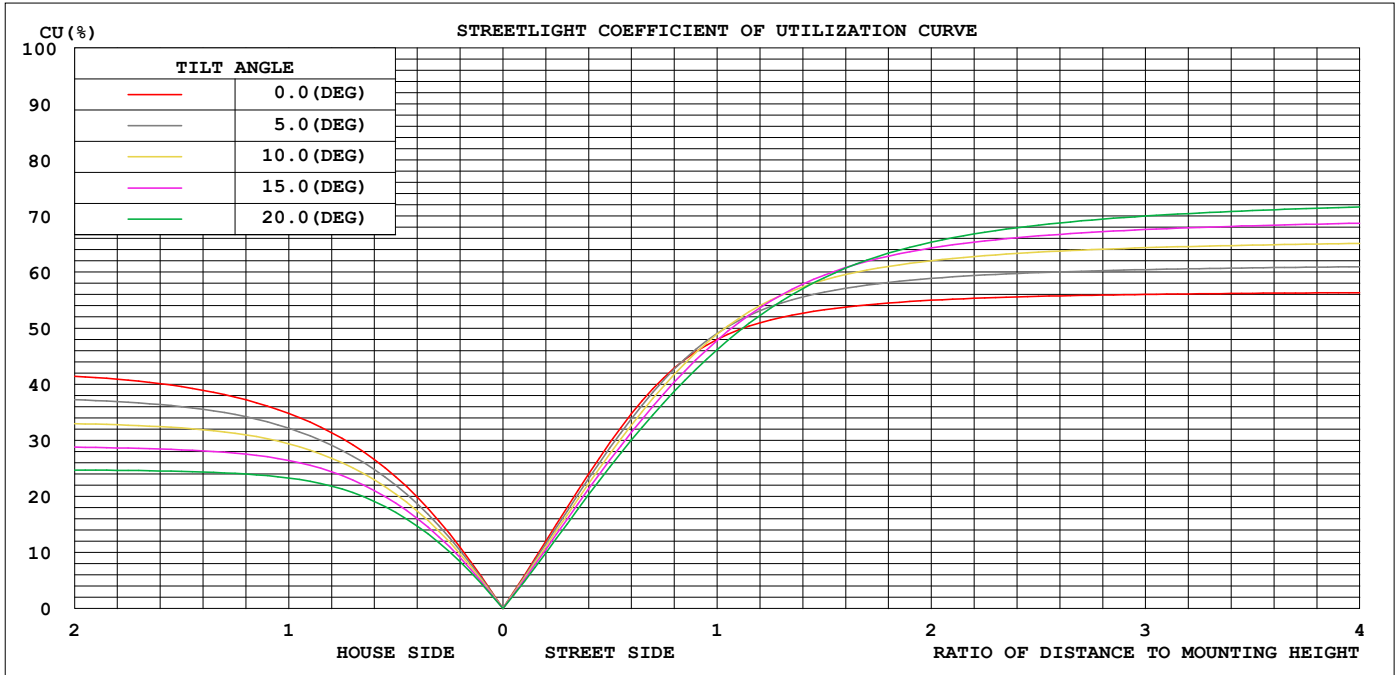
IES:Type II - Medium
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:120.3cd/klm
Max.At90:0cd/klm
Max.80-90:120.3cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		11561
90%		10405
80%		9249
70%		8093
60%		6937
50%		5781
40%		4624
30%		3468
20%		2312
10%		1156
5%		578

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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: 25.5°C
Operators:DAMIN
Test Date:2024-12-25

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:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz Lamp Flux:27436.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

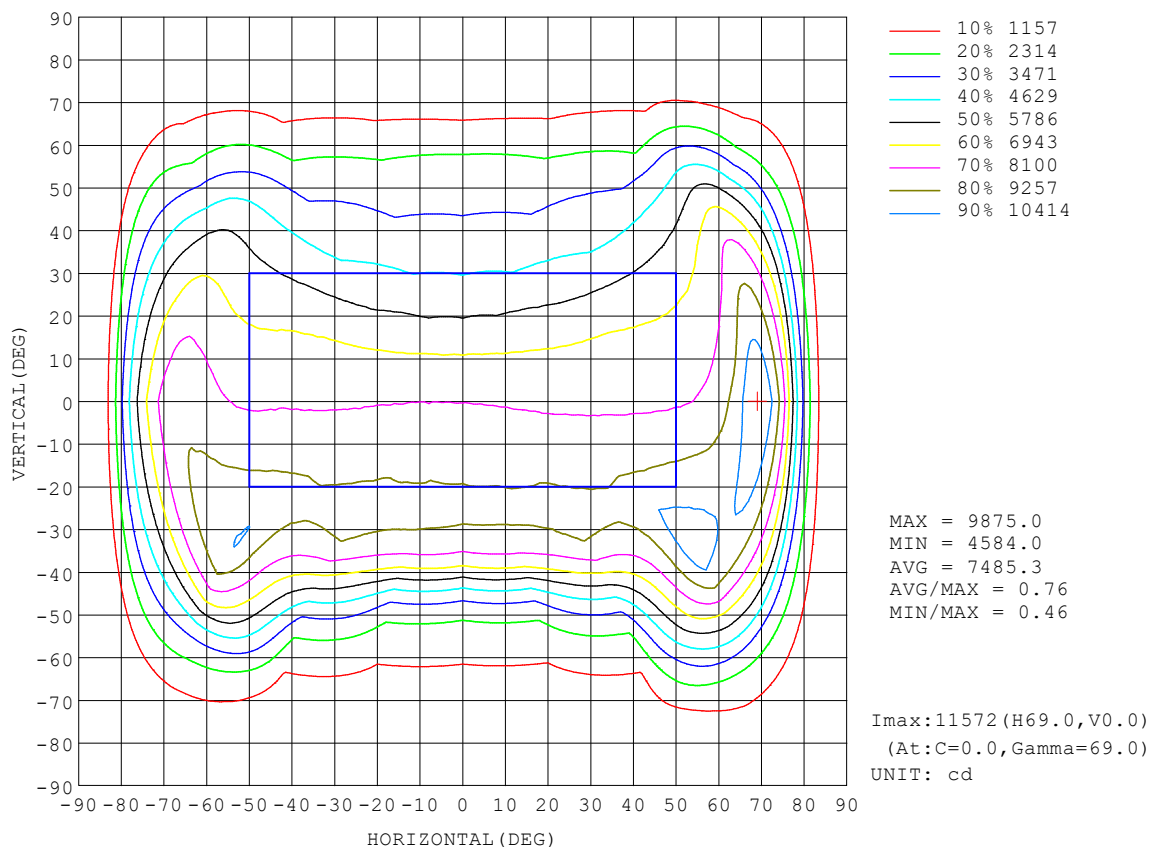
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	799.2	851.5	875.4	857.9	808.1	741.9	703.6	737.6	0- 10	765.0	765.0	2.79,2.79
20	791.2	896.6	926.8	902.1	803.4	654.3	570.9	663.9	10- 20	2227	2992	10.9,10.9
30	787.2	945.5	913.3	955.2	796.2	567.9	458.0	583.4	20- 30	3535	6527	23.8,23.8
40	787.7	951.5	629.0	954.5	795.4	483.9	372.4	500.5	30- 40	4536	11064	40.4,40.3
50	797.3	698.6	255.6	717.4	793.0	401.8	308.2	418.0	40- 50	4820	15884	58,57.9
60	872.8	305.7	126.1	336.4	860.5	306.6	198.0	335.7	50- 60	4603	20487	74.8,74.7
70	1144	121.3	64.28	122.2	850.1	143.0	75.05	167.8	60- 70	4190	24677	90.1,89.9
80	325.3	37.60	25.23	31.02	330.2	38.33	29.44	47.86	70- 80	2360	27036	98.8,98.5
90	0	0	0	0	0	0	0	0	80- 90	337.1	27374	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	27374	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	27374	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	27374	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	27374	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	27374	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	27374	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	27374	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	27374	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	27374	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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

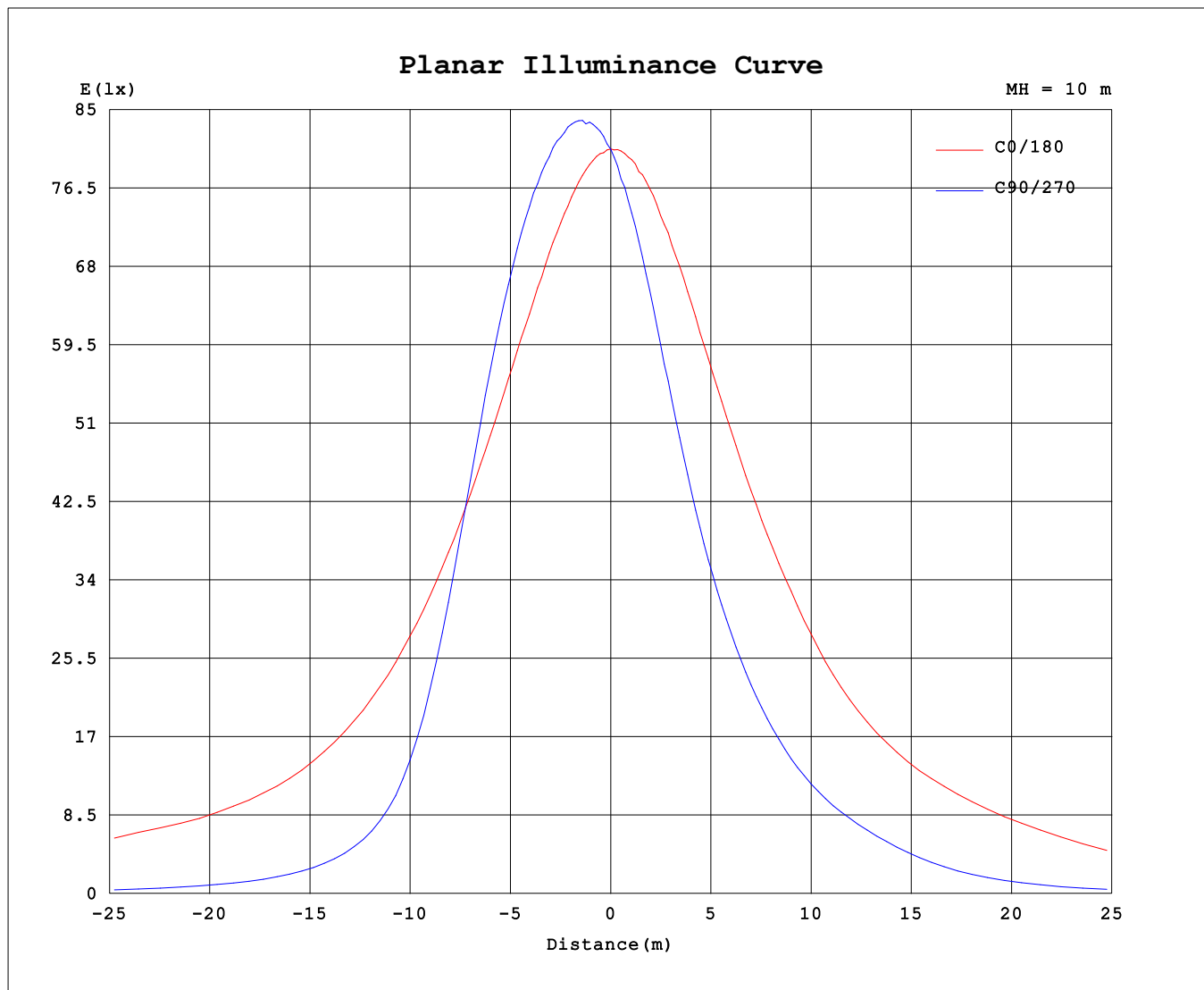
Test:U:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz Lamp Flux:27436.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5°C
Operators:DAMIN
Test Date:2024-12-25

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



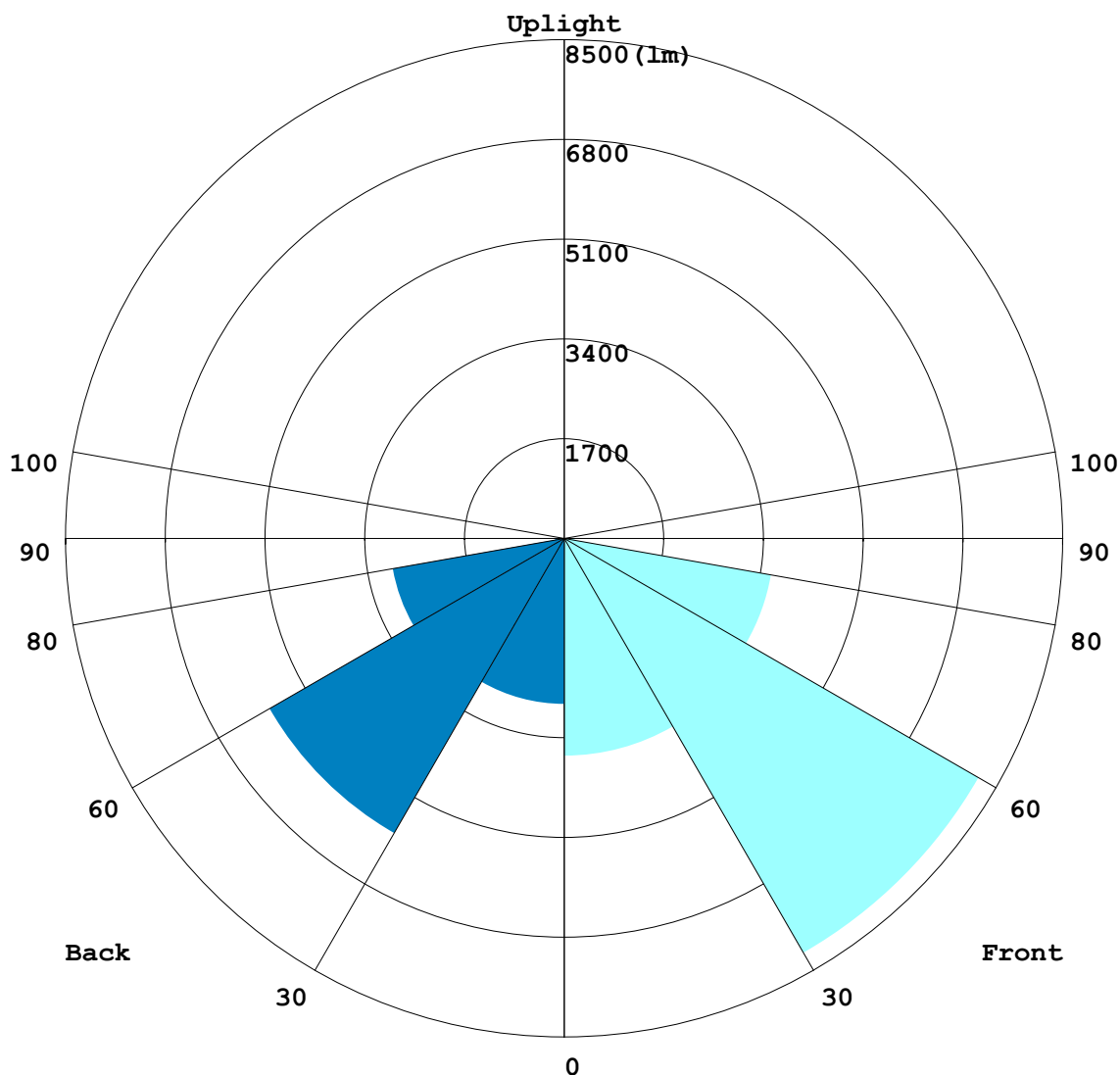
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.5°C
 Operators: DAMIN
 Test Date: 2024-12-25

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:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz Lamp Flux:27436.5x1 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: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz Lamp Flux:27436.5x1 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)	3705.6	13.5
FM - Front-Medium(30-60)	8157.2	29.8
FH - Front-High(60-80)	3583.2	13.1
FVH - Front-Very High(80-90)	180.95	0.7
Total Forward Light	15627	57.1

BL - Back-Low(0-30)	2821.8	10.3
BM - Back-Medium(30-60)	5802.7	21.2
BH - Back-High(60-80)	2966	10.8
BVH - Back-Very High(80-90)	156.19	0.6
Total Back Light	11747	42.9

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	11747	0	11747
Street Side	15627	0	15627

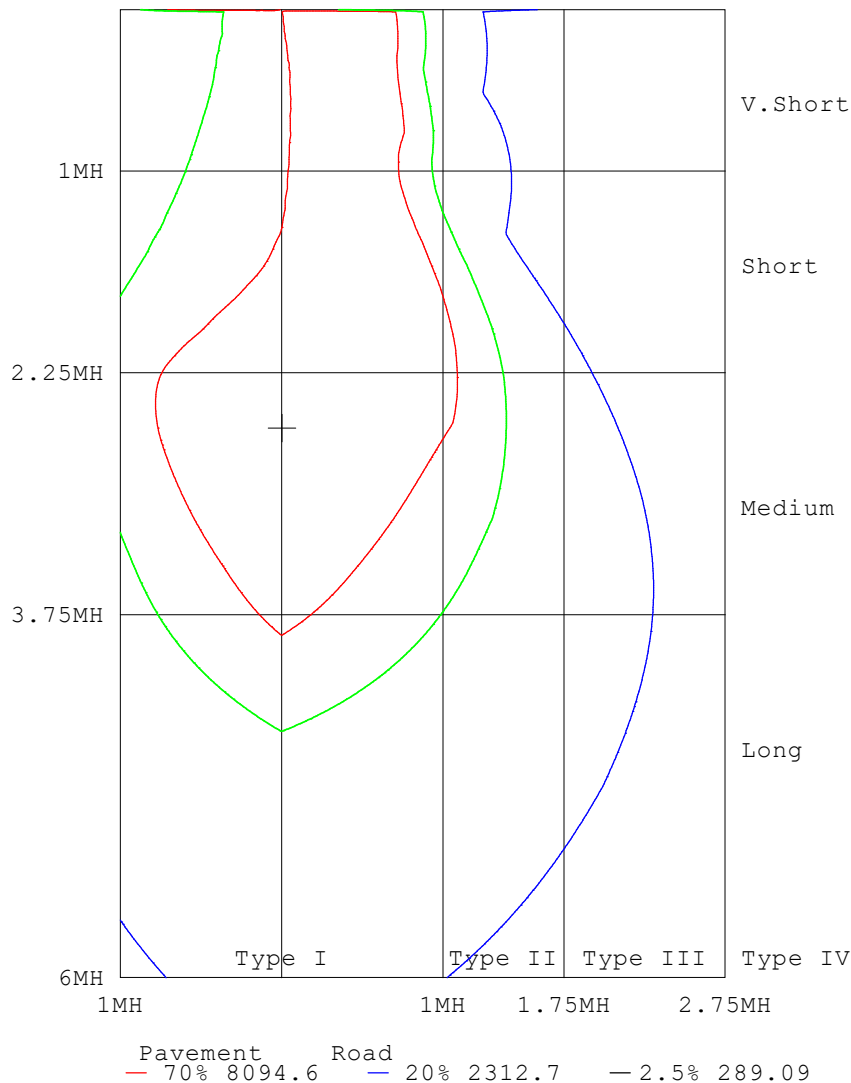
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz Lamp Flux:27436.5x1 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: 25.5°C
Operators:DAMIN
Test Date:2024-12-25

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:119.00V I:1.6754A P:199.33W PF:0.9998 Freq:60.01Hz Lamp Flux:27436.5x1 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	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807			
5	803	818	833	842	843	842	835	821	807	791	778	767	760	764	773	785			
10	799	828	851	870	875	872	858	835	808	773	742	714	704	714	738	766			
15	795	836	876	900	905	900	880	847	805	755	699	655	637	659	699	750			
20	791	843	897	924	927	927	902	857	803	736	654	592	571	600	664	735			
25	790	854	921	941	939	946	929	868	798	719	613	533	509	539	623	720			
30	787	872	946	932	913	940	955	880	796	704	568	481	458	485	583	708			
35	787	895	964	878	815	882	971	900	795	692	527	434	412	437	541	697			
40	788	926	952	732	629	735	954	928	795	678	484	390	372	394	501	687			
45	790	968	872	513	410	521	872	965	795	665	443	351	337	355	459	676			
50	797	1029	699	314	256	323	717	1004	793	642	402	316	308	321	418	667			
55	816	1083	484	205	174	211	521	1039	811	630	361	275	268	282	382	665			
60	873	1110	306	142	126	146	336	1046	860	627	307	211	198	214	336	675			
65	1011	1044	190	103	95.3	104	208	953	915	589	227	142	129	145	254	723			
70	1144	820	121	75.6	64.3	74.4	122	708	850	437	143	88.8	75.0	94.1	168	671			
75	862	492	76.0	48.0	41.4	46.5	68.5	357	649	245	80.9	53.3	48.8	57.4	104	363			
80	325	193	37.6	26.7	25.2	25.3	31.0	152	330	113	38.3	29.6	29.4	32.2	47.9	126			
85	50.6	52.0	11.9	10.4	10.8	8.88	9.58	33.3	47.3	24.0	9.39	9.07	10.4	11.4	11.2	32.6			
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: 25.5℃
Operators:DAMIN
Test Date:2024-12-25

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: