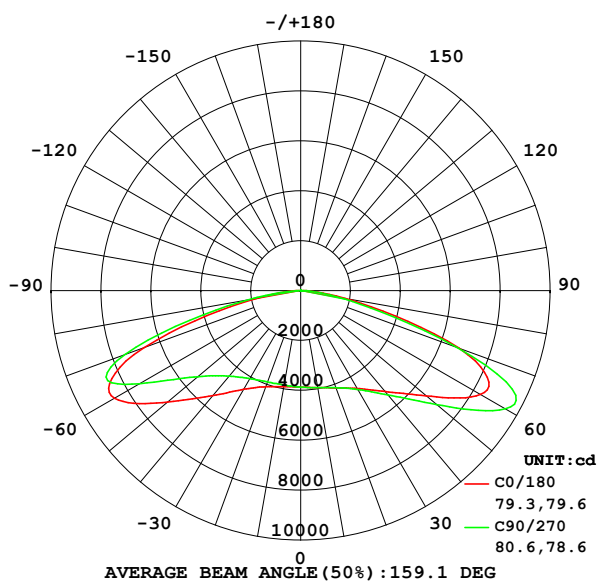
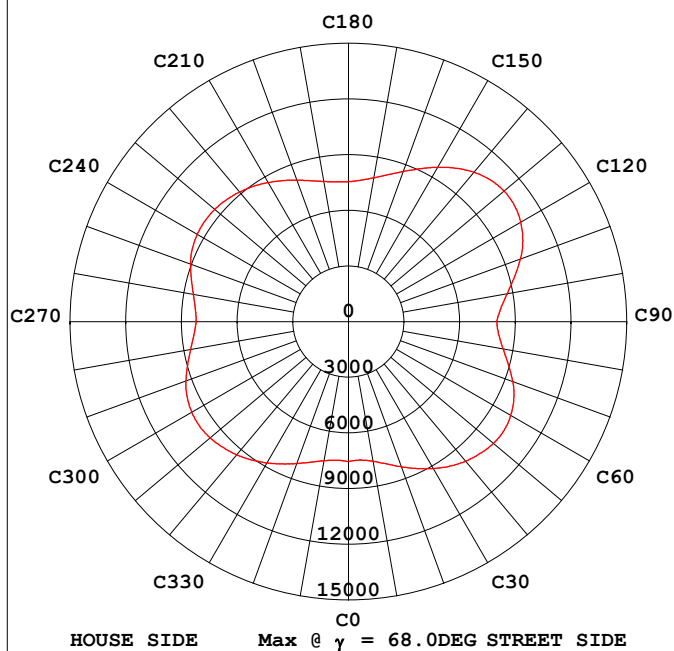


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz Lamp Flux:33549.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: TamLite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.06 lm/W			
MODEL	AL-240WS-3CS-T5	Imax (cd)	10815	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	51.4
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	33474	η house_up (%)	0.0
NOMINAL FLUX (lm)	33549.3	MAXIMUM @ (C, γ)	135,68.0	η house_down (%)	48.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.246

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

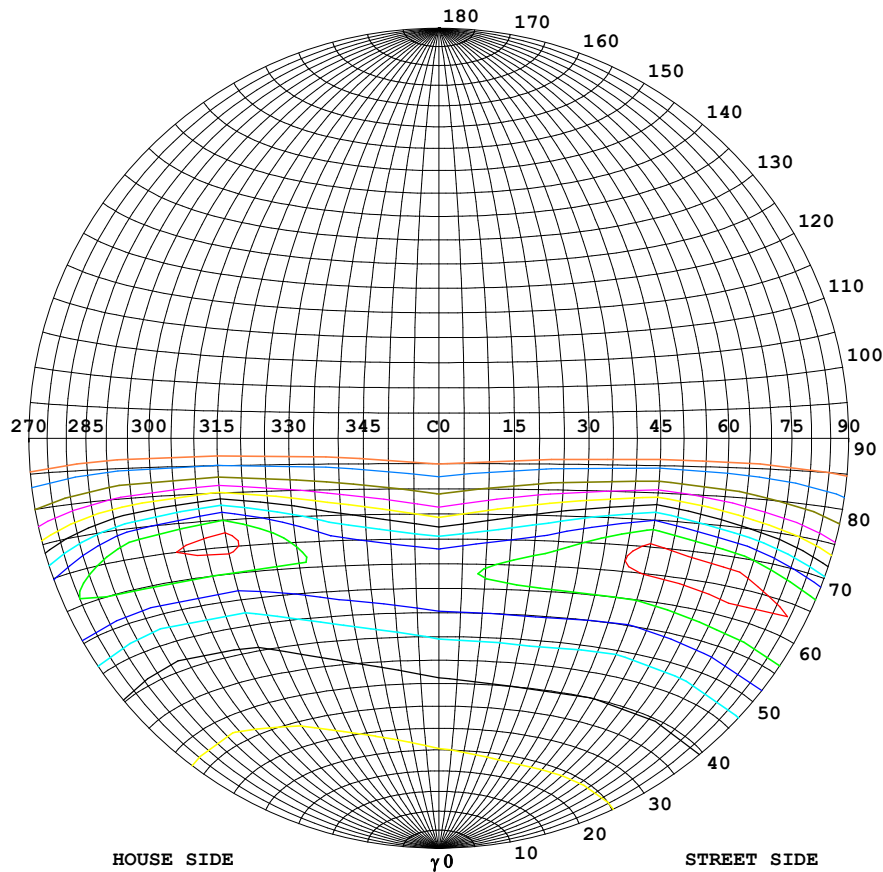
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz

Lamp Flux:33549.3x1 lm

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



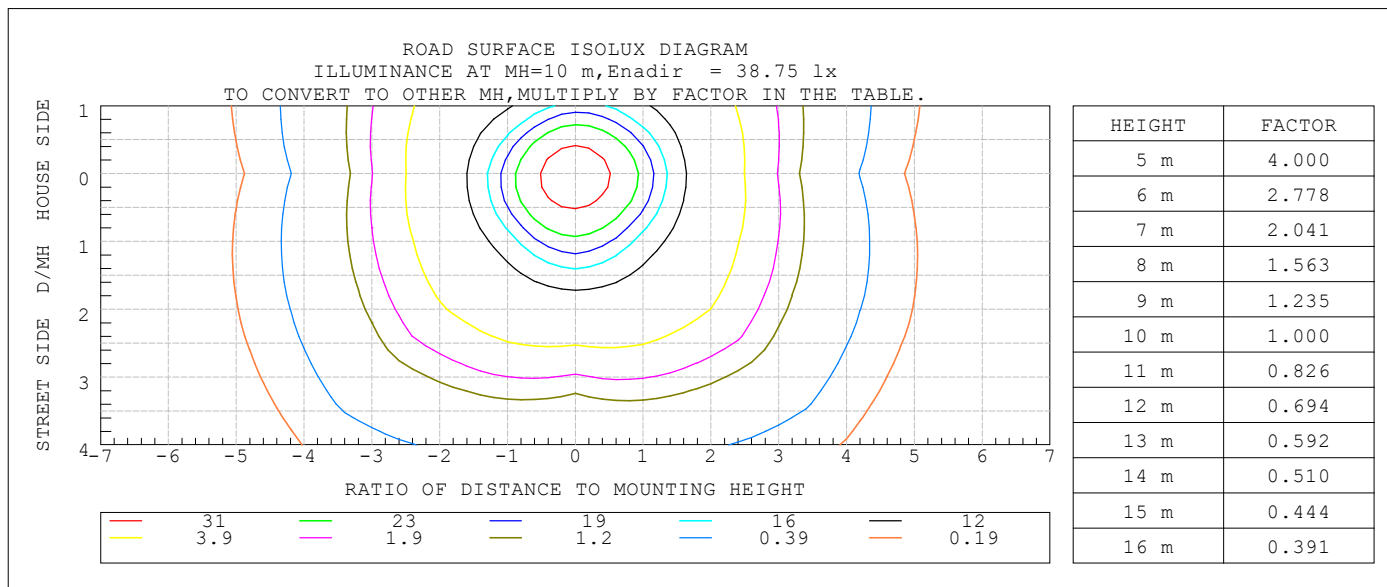
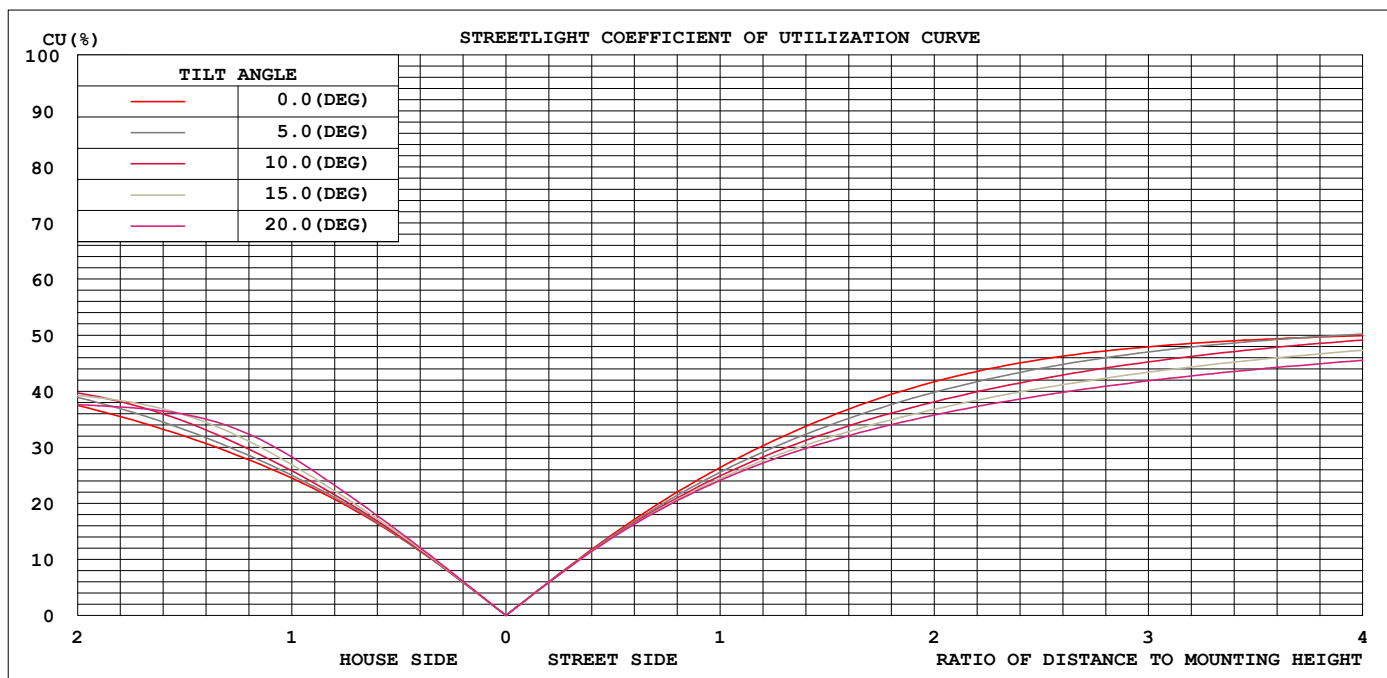
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:133.7cd/klm
Max.At90:0cd/klm
Max.80-90:133.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10815
90%	9733
80%	8652
70%	7570
60%	6489
50%	5407
40%	4326
30%	3244
20%	2163
10%	1081
5%	541

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz Lamp Flux:33549.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

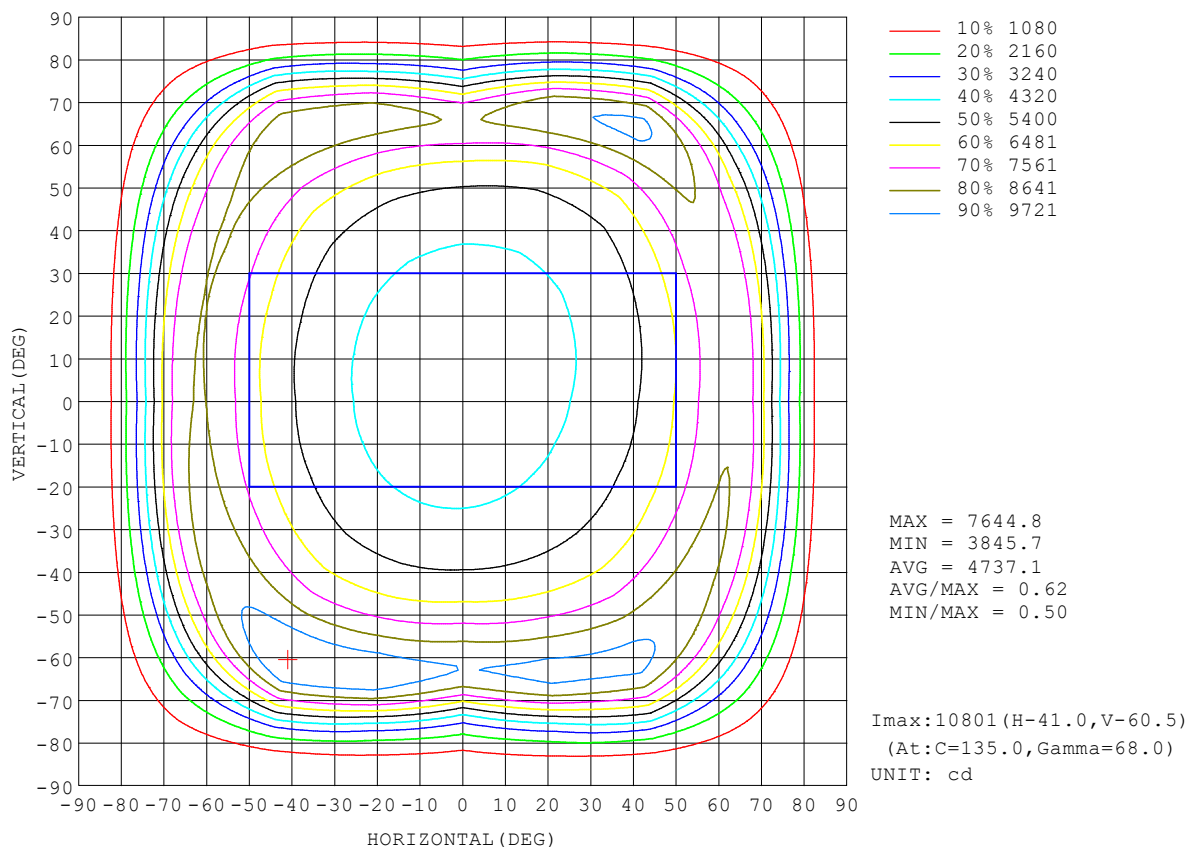
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	395.4	396.6	394.7	392.9	391.1	386.3	384.6	388.8	0- 10	371.5	371.5	1.11,1.11
20	415.1	419.3	414.7	412.2	410.4	397.1	390.2	398.4	10- 20	1130	1502	4.49,4.48
30	453.6	463.1	457.6	456.0	456.9	426.6	407.3	419.5	20- 30	1961	3463	10.3,10.3
40	528.5	540.5	546.3	536.3	549.9	485.3	448.2	460.3	30- 40	2988	6451	19.3,19.2
50	656.7	661.5	710.8	664.6	695.2	582.6	536.7	533.9	40- 50	4392	10843	32.4,32.3
60	832.9	867.5	948.0	899.8	862.4	767.5	746.6	709.0	50- 60	6543	17386	51.9,51.8
70	674.6	988.0	667.4	1064	667.3	937.8	748.7	998.0	60- 70	8804	26189	78.2,78.1
80	179.9	364.9	148.6	339.0	172.5	448.5	215.2	441.3	70- 80	6189	32378	96.7,96.5
90	0	0	0	0	0	0	0	0	80- 90	1096	33474	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	33474	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	33474	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	33474	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	33474	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	33474	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	33474	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	33474	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	33474	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	33474	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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

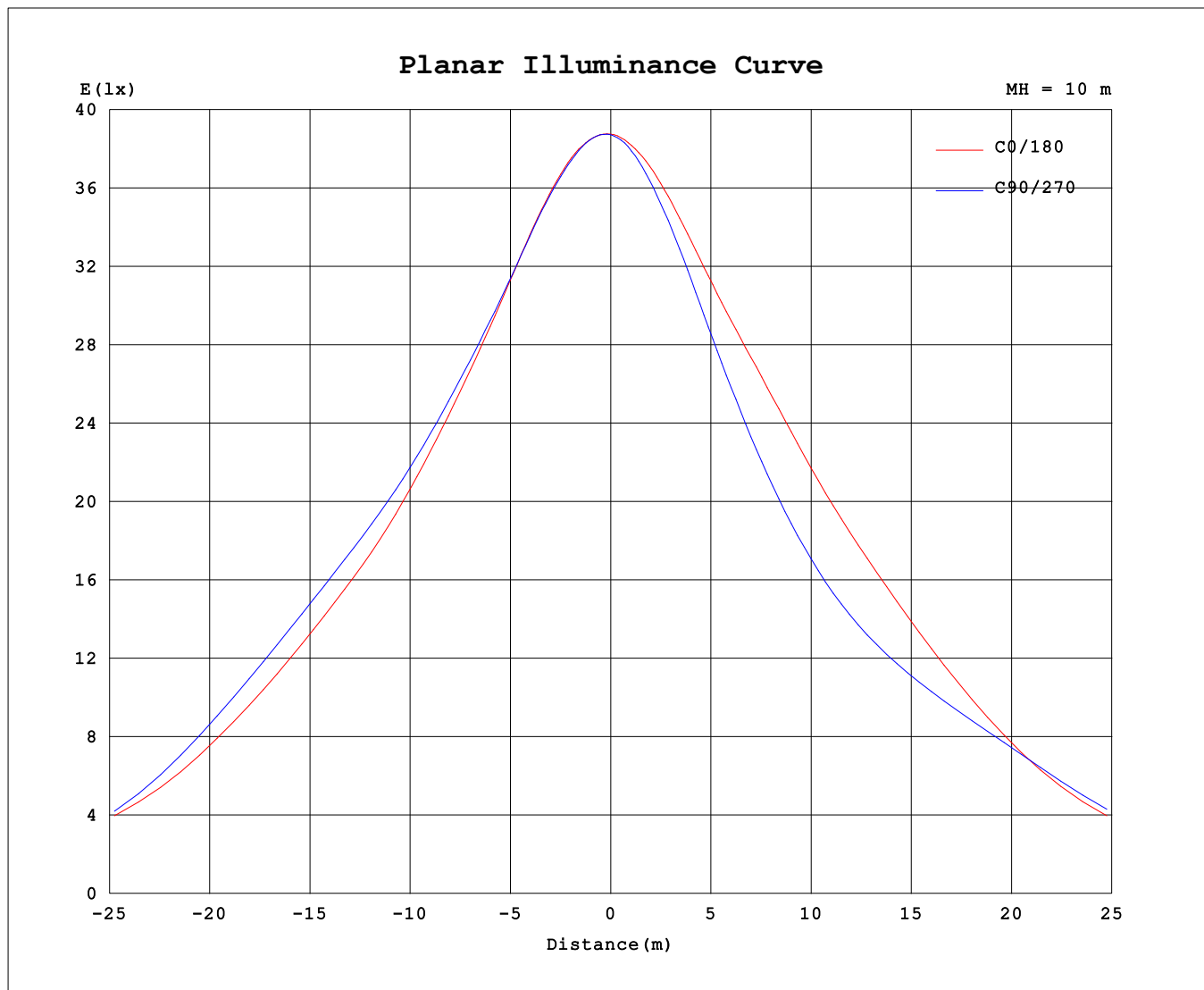
Test:U:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz Lamp Flux:33549.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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



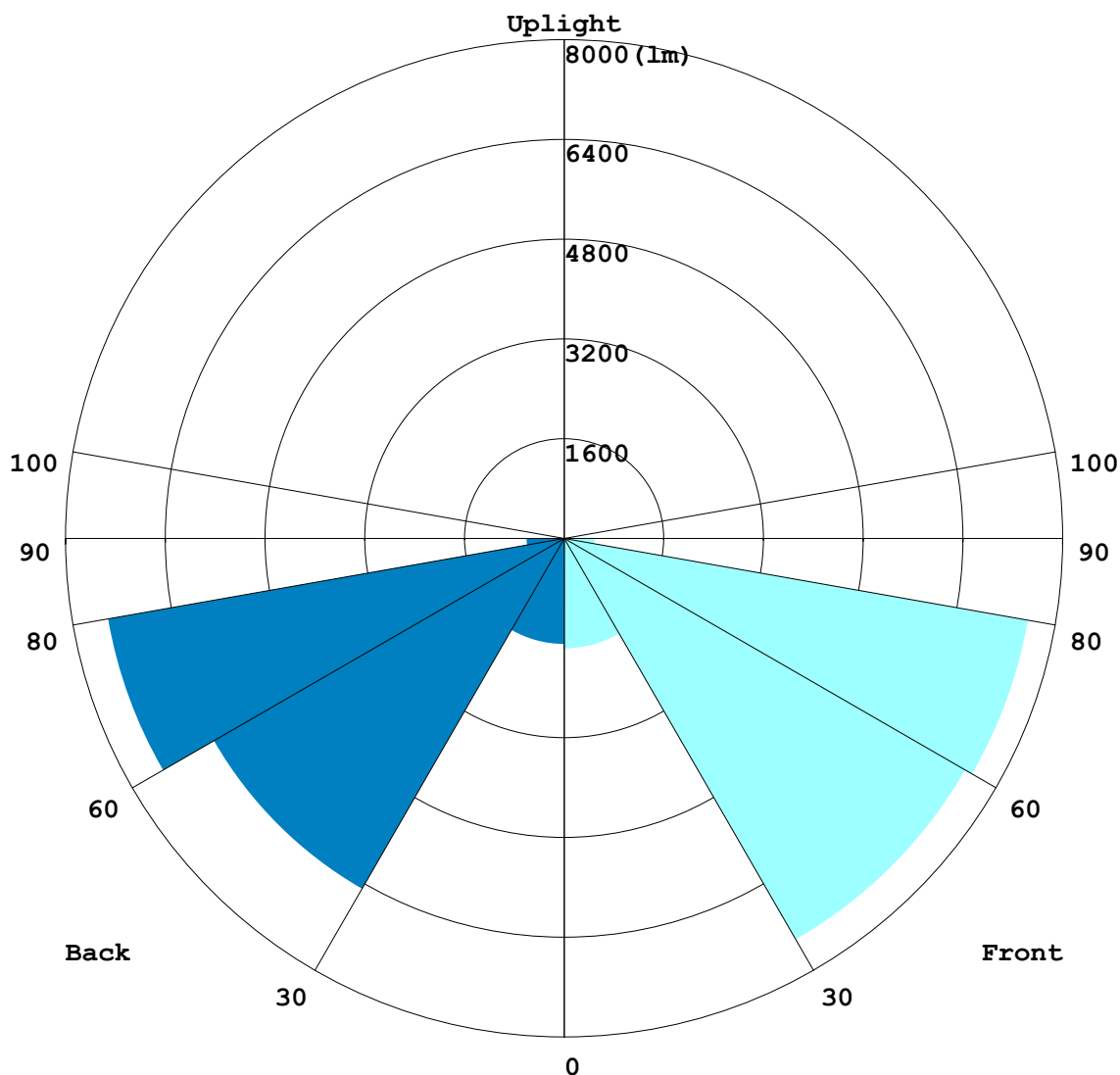
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8 °C
Operators: DAMIN
Test Date: 2024-12-22

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:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz Lamp Flux:33549.3x1 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: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz Lamp Flux:33549.3x1 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)	1768.5	5.3
FM - Front-Medium(30-60)	7431.9	22.2
FH - Front-High(60-80)	7559	22.6
FVH - Front-Very High(80-90)	493.97	1.5
Total Forward Light	17253	51.5

BL - Back-Low(0-30)	1694.7	5.1
BM - Back-Medium(30-60)	6490.5	19.4
BH - Back-High(60-80)	7433.5	22.2
BVH - Back-Very High(80-90)	602.11	1.8
Total Back Light	16221	48.5

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	B5-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16221	0	16221
Street Side	17253	0	17253

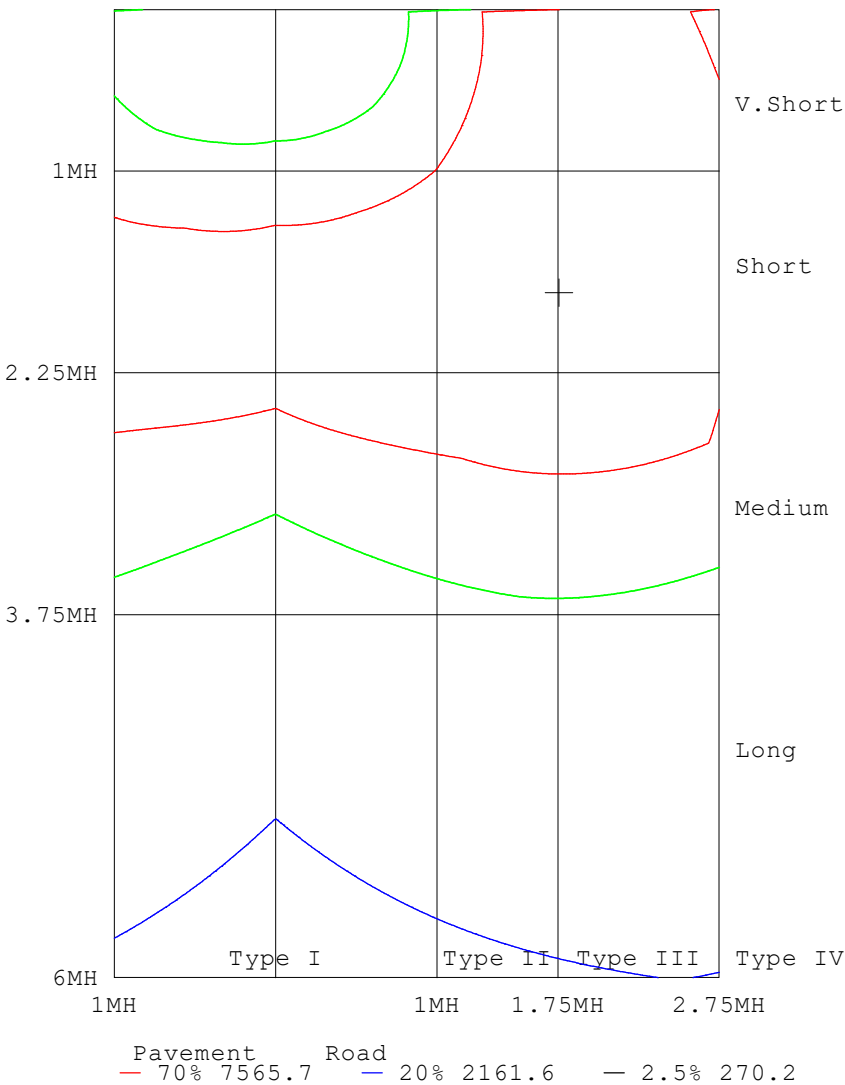
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz Lamp Flux:33549.3x1 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: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.85V I:1.8526A P:220.14W PF:0.9998 Freq:60.01Hz Lamp Flux:33549.3x1 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	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387			
5	390	391	391	390	390	390	389	388	387	387	386	385	385	386	387	389			
10	395	397	397	396	395	393	393	392	391	389	386	385	385	386	389	393			
15	403	406	406	404	403	401	400	400	398	395	390	387	386	388	392	399			
20	415	419	419	417	415	412	412	412	410	404	397	392	390	392	398	407			
25	431	437	438	435	432	429	430	431	429	420	409	400	397	399	407	420			
30	454	462	463	461	458	455	456	460	457	444	427	413	407	409	420	437			
35	486	497	497	497	495	490	491	499	498	478	452	433	424	424	437	462			
40	529	541	541	544	546	538	536	549	550	522	485	460	448	445	460	495			
45	584	597	593	605	615	599	591	610	614	577	526	496	483	475	491	539			
50	657	669	662	690	711	685	665	689	695	650	583	550	537	519	534	600			
55	751	762	753	802	833	804	767	786	790	742	662	633	622	592	602	689			
60	833	857	867	927	948	947	900	886	862	832	768	750	747	712	709	795			
65	825	898	976	1000	936	1045	1040	930	836	866	883	878	853	875	863	858			
70	675	796	988	888	667	931	1064	822	667	776	938	902	749	952	998	786			
75	393	571	754	538	339	545	778	584	389	583	800	661	462	717	861	583			
80	180	279	365	236	149	224	339	278	172	299	449	317	215	339	441	288			
85	52.0	78.9	88.2	70.8	49.4	68.1	79.3	76.6	53.4	92.3	117	90.9	59.9	94.4	109	88.1			
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: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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: