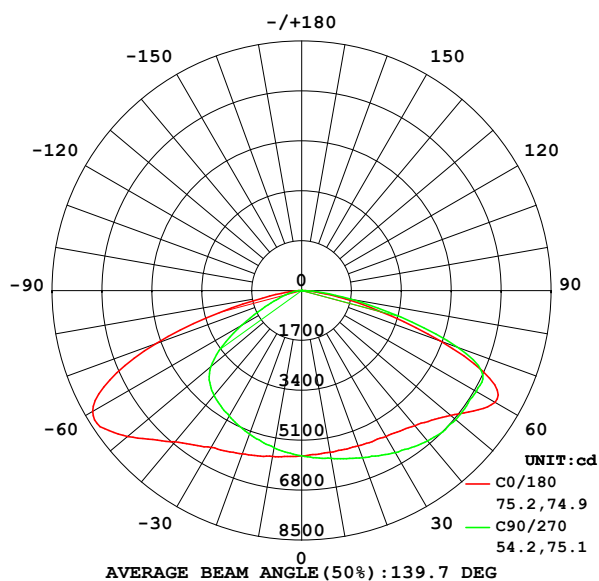
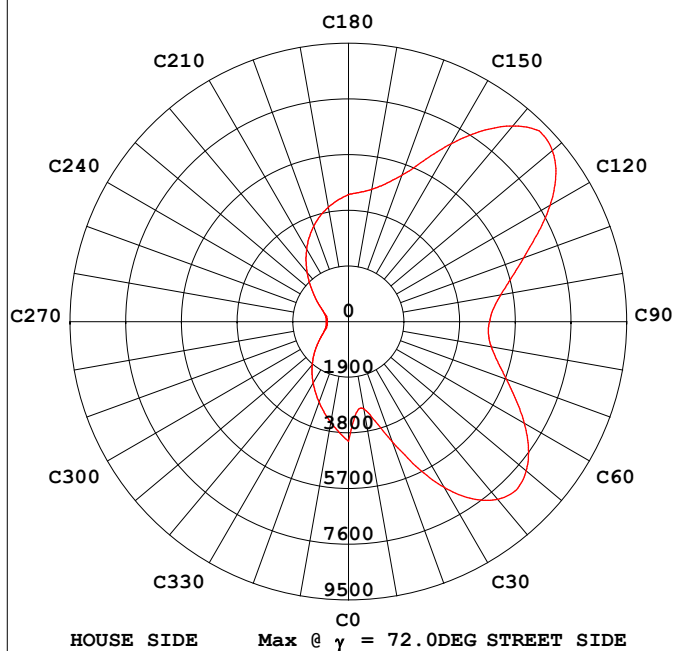


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 143.49 lm/W
MODEL	AL-240WS-3CS-T4	I _{max} (cd)	9205	η street_up (%)	0.0	
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	60.1	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28440	η house_up (%)	0.0	
NOMINAL FLUX (lm)	28505.2	MAXIMUM @ (C, γ)	135,72.0	η house_down (%)	39.7	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	23.973	

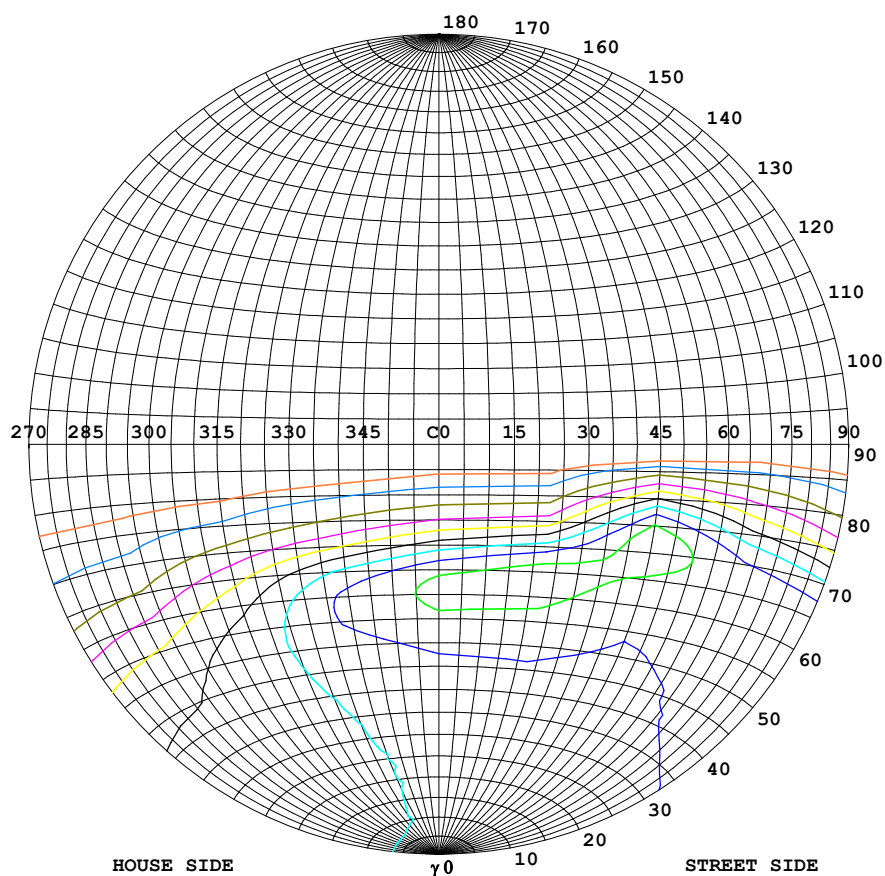
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7℃
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:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



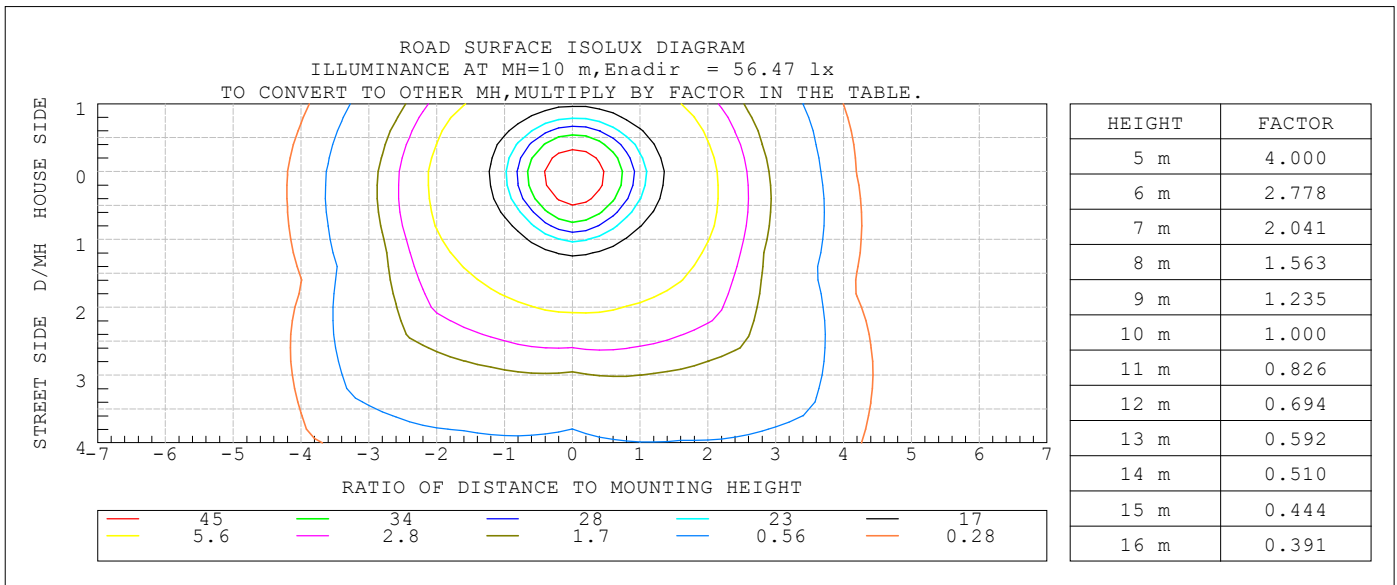
Classification:

IES:Type IV - Short
CIE:Broad - Long
IES:None cut-off
CIE:Non-cut-off
Max.At80:227.0cd/klm
Max.At90:0cd/klm
Max.80-90:227.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9205
90%	8284
80%	7364
70%	6443
60%	5523
50%	4602
40%	3682
30%	2761
20%	1841
10%	920
5%	460

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°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:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°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:

ZONAL FLUX DIAGRAM

Test:U:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

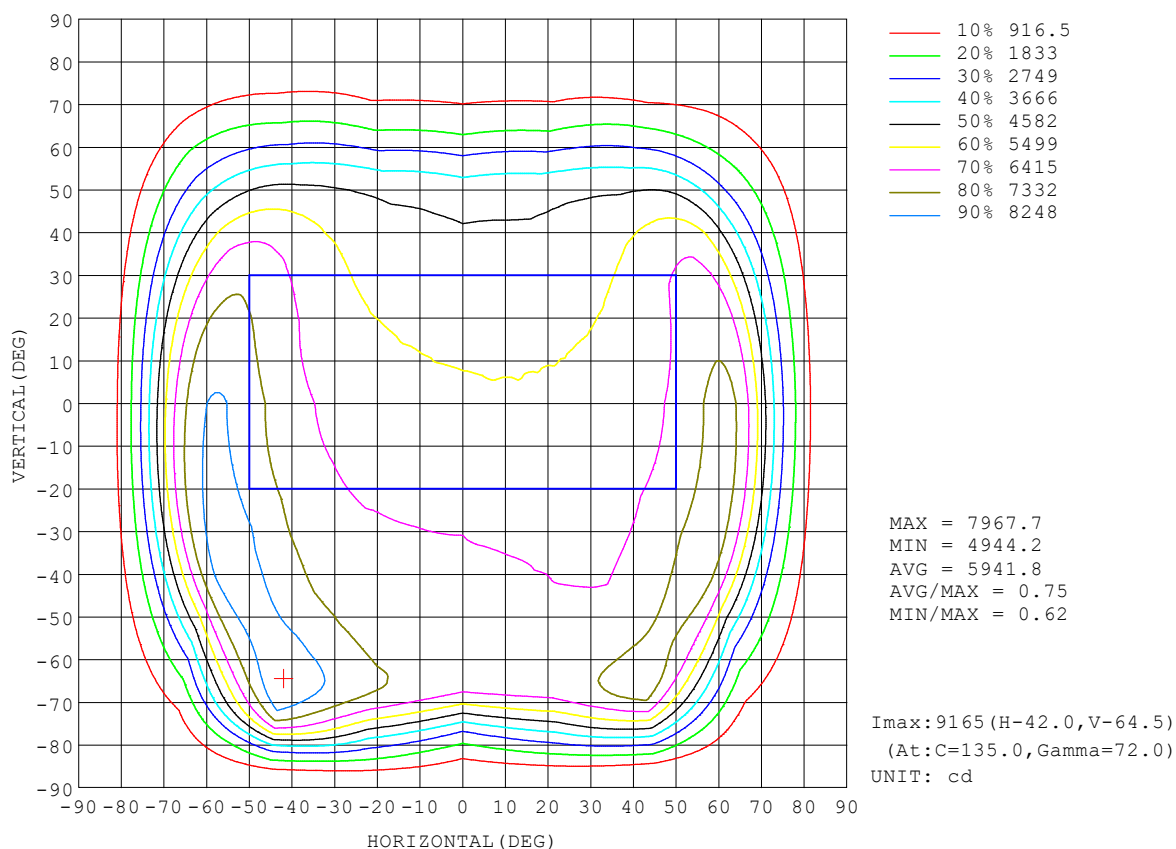
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5596	5714	5807	5821	5738	5559	5437	5487	0- 10	538.5	538.5	1.89,1.89
20	5634	5836	6057	6072	5920	5482	5203	5355	10- 20	1608	2147	7.55,7.53
30	5738	5973	6374	6340	6167	5446	4938	5239	20- 30	2657	4804	16.9,16.9
40	6008	6125	6680	6653	6729	5519	4654	5175	30- 40	3684	8488	29.8,29.8
50	6617	6341	6850	7097	7732	5514	4041	5132	40- 50	4705	13193	46.4,46.3
60	7609	6761	6873	7894	8220	4637	2353	4370	50- 60	5575	18768	66,65.8
70	5027	8031	5653	9110	5274	2341	924.1	2177	60- 70	5534	24303	85.5,85.3
80	1283	4642	1722	6471	1111	590.7	318.7	414.0	70- 80	3412	27715	97.4,97.2
90	0	0	0	0	0	0	0	0	80- 90	725.3	28440	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28440	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28440	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28440	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28440	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28440	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28440	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28440	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28440	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28440	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7℃
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

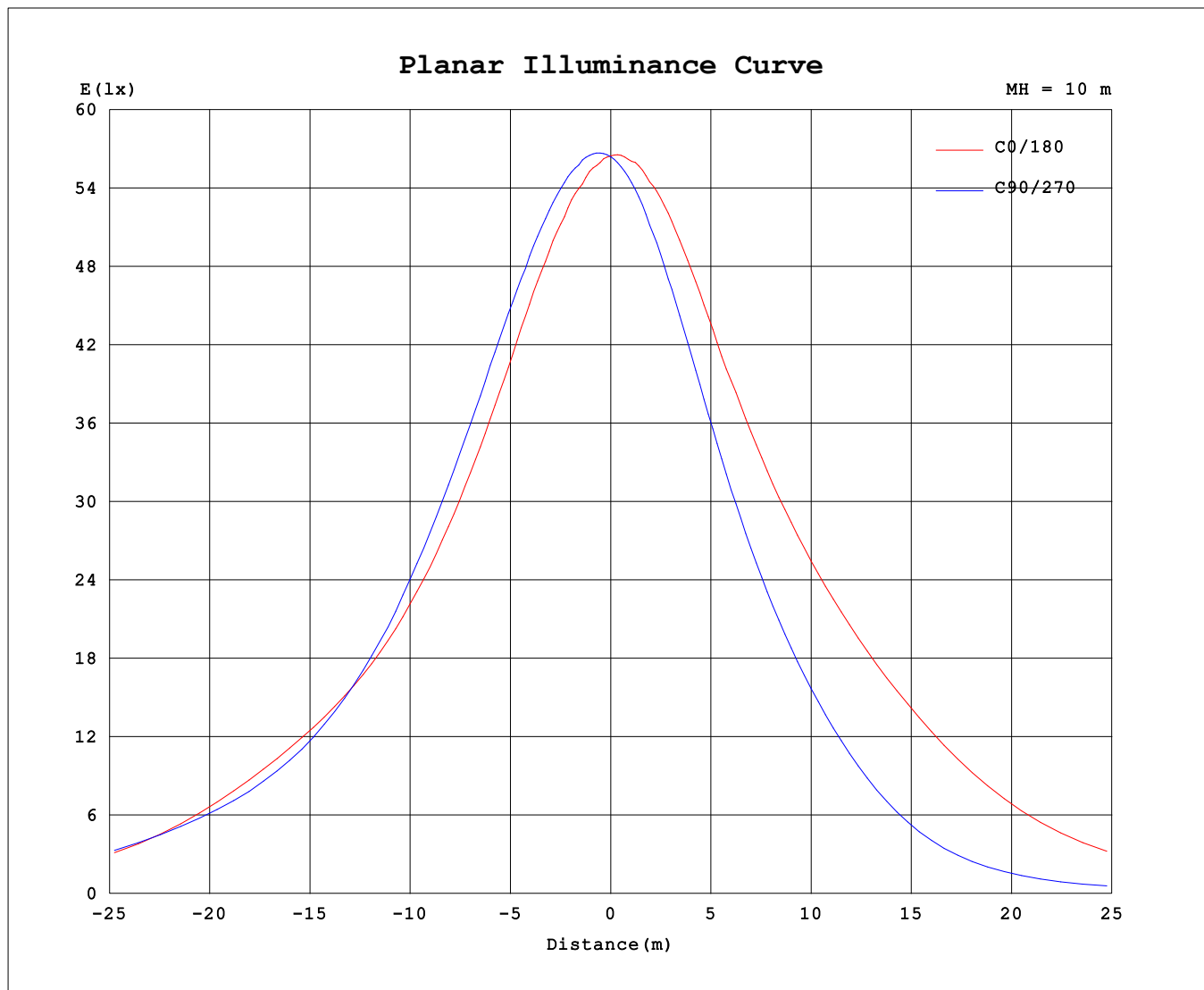
Test:U:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°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:

Planar Illuminance Curve



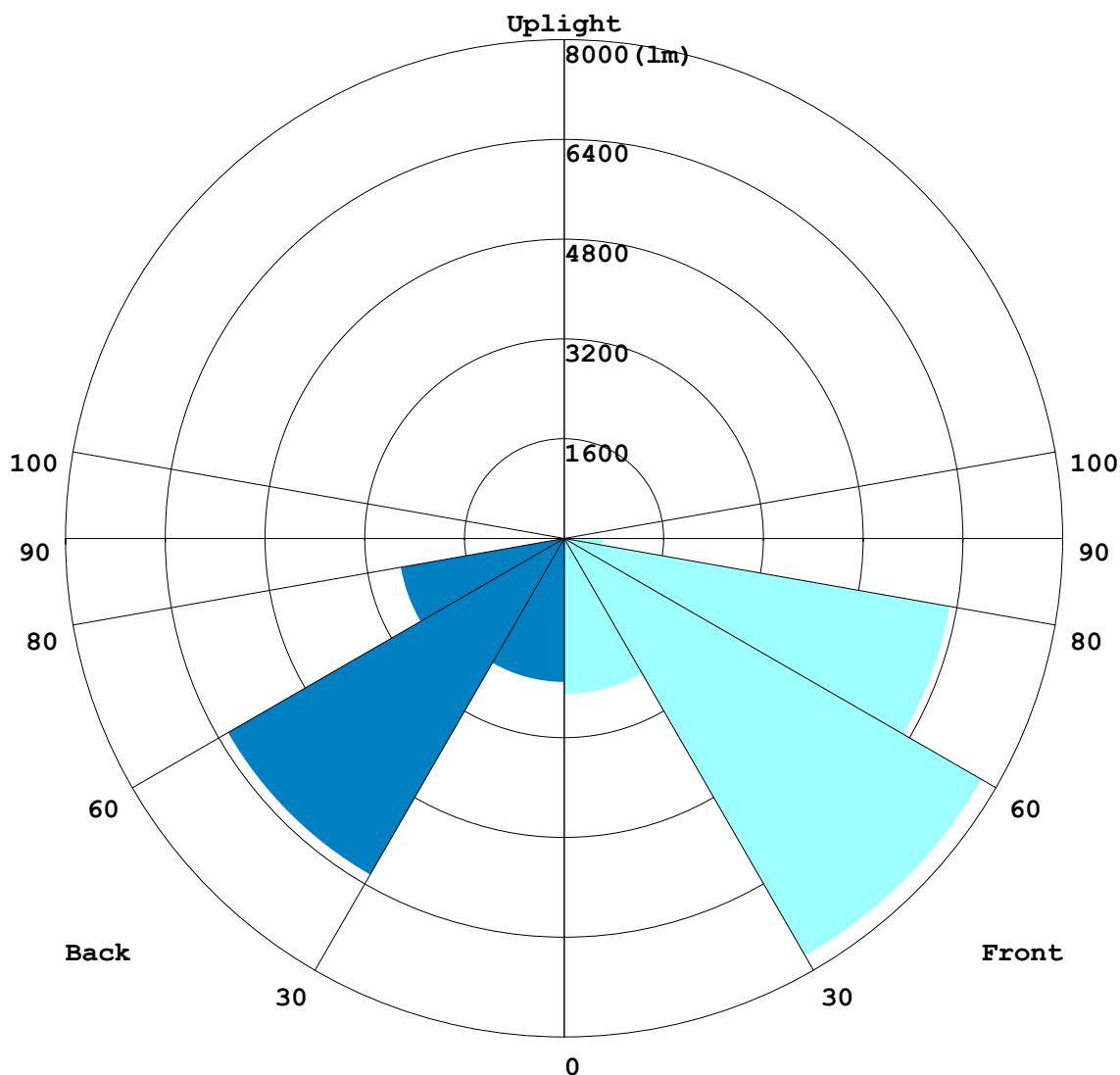
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°C
Operators:DAMIN
Test Date:2024-12-22

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:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 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: HIGH
Temperature: 24.7℃
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:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 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)	2499.3	8.8
FM - Front-Medium(30-60)	7734.6	27.2
FH - Front-High(60-80)	6285	22.1
FVH - Front-Very High(80-90)	615.21	2.2
Total Forward Light	17134	60.2

BL - Back-Low(0-30)	2304.5	8.1
BM - Back-Medium(30-60)	6229.9	21.9
BH - Back-High(60-80)	2661.9	9.4
BVH - Back-Very High(80-90)	110.1	0.4
Total Back Light	11306	39.8

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	11306	0	11306
Street Side	17134	0	17134

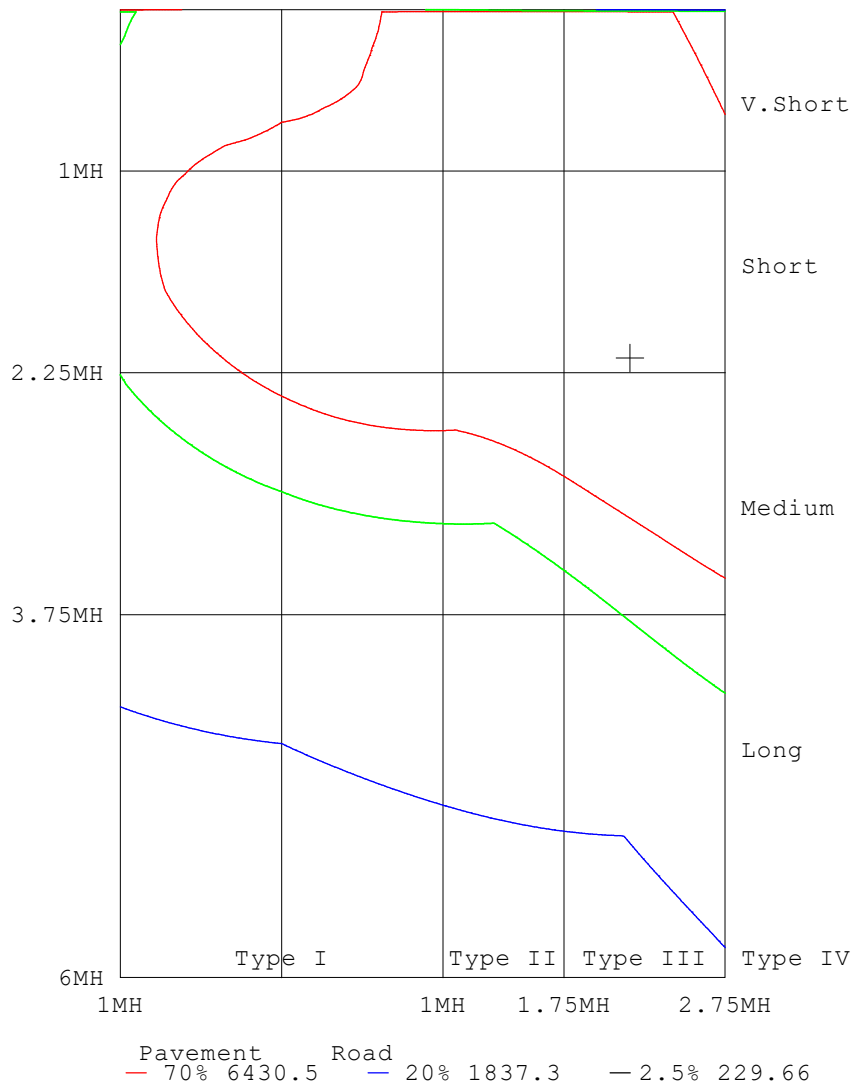
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7℃
Operators:DAMIN
Test Date:2024-12-22

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:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 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: HIGH
Temperature: 24.7°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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.94V I:1.6668A P:198.20W PF:0.9998 Freq:60.01Hz Lamp Flux:28505.2x1 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	5632	5632	5632	5632	5632	5632	5632	5632	5632	5632	5632	5632	5632	5632	5632	5632			
5	5603	5639	5664	5694	5720	5725	5727	5727	5670	5641	5592	5558	5542	5538	5549	5599			
10	5596	5662	5714	5774	5807	5811	5821	5821	5738	5654	5559	5490	5437	5429	5487	5548			
15	5606	5699	5757	5856	5924	5948	5952	5903	5830	5688	5530	5385	5325	5326	5422	5542			
20	5634	5751	5836	5955	6057	6081	6072	6030	5920	5744	5482	5293	5203	5199	5355	5527			
25	5676	5814	5897	6077	6205	6229	6216	6164	6038	5798	5474	5206	5077	5104	5286	5530			
30	5738	5891	5973	6201	6374	6381	6340	6333	6167	5892	5446	5108	4938	4977	5239	5566			
35	5845	5999	6048	6326	6529	6519	6499	6538	6417	6048	5478	5011	4806	4856	5189	5623			
40	6008	6147	6125	6435	6680	6644	6653	6807	6729	6291	5519	4909	4654	4727	5175	5753			
45	6257	6361	6216	6507	6798	6758	6852	7177	7181	6602	5555	4767	4428	4588	5170	5947			
50	6617	6650	6341	6593	6850	6866	7097	7670	7732	6940	5514	4498	4041	4311	5132	6208			
55	7146	7090	6509	6636	6859	6972	7424	8248	8205	7125	5283	3916	3310	3782	4930	6503			
60	7609	7614	6761	6715	6873	7133	7894	8721	8220	6776	4637	2976	2353	2908	4370	6506			
65	7067	7722	7290	6844	6808	7401	8487	8579	7213	5687	3567	1949	1503	1911	3395	5584			
70	5027	5937	8031	6517	5653	7186	9110	6723	5274	4004	2341	1165	924	1138	2177	3547			
75	2793	3251	7434	4875	3494	5590	8895	3968	2911	2397	1322	674	563	644	1072	1918			
80	1283	1421	4642	2888	1722	3374	6471	1759	1111	988	591	358	319	334	414	803			
85	307	365	1463	1006	566	1442	2105	511	306	194	147	117	114	103	75.9	113			
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: 24.7℃
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: