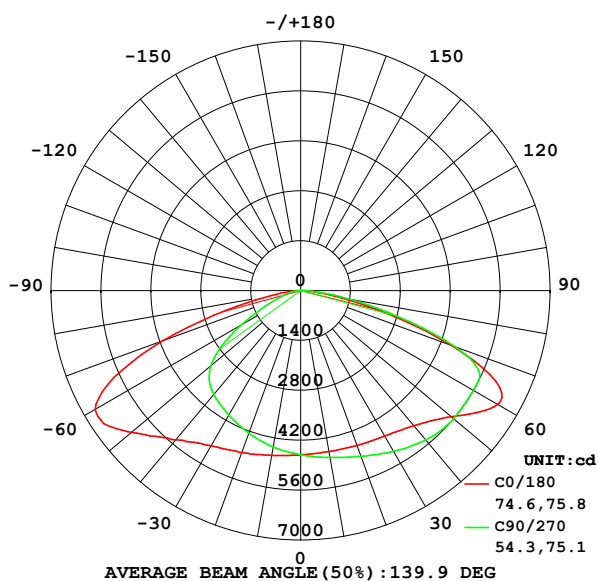
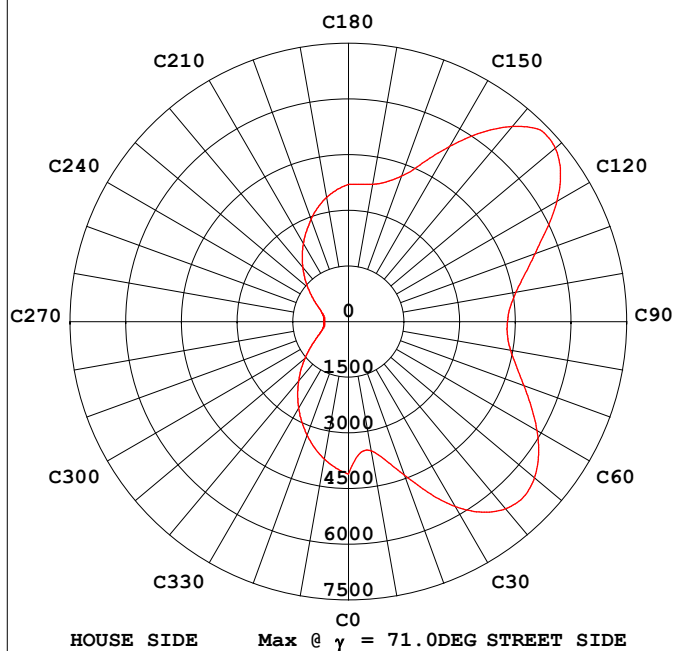


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz Lamp Flux:23200.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.84 lm/W			
MODEL	AL-240WS-3CS-T4	I _{max} (cd)	7309	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	60.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	23200	η house_up (%)	0.0
NOMINAL FLUX (lm)	23200.1	MAXIMUM @ (C, γ)	135,71.0	η house_down (%)	39.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	100.0	SLI	23.701

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

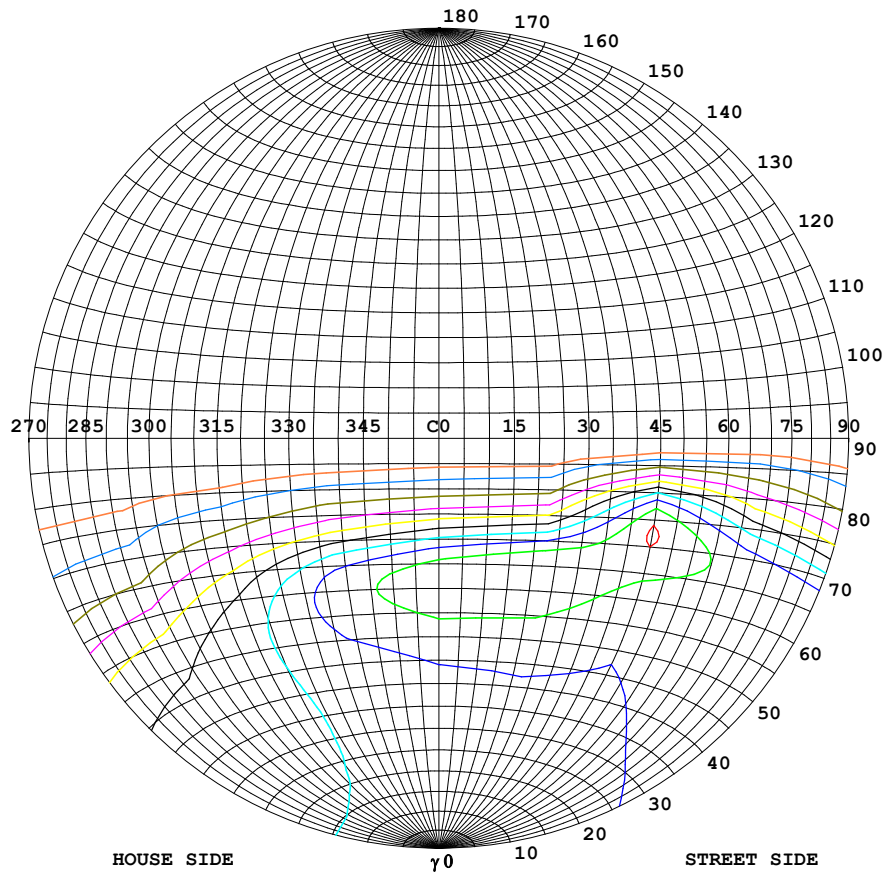
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4295]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz

Lamp Flux:23200.1x1 lm

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



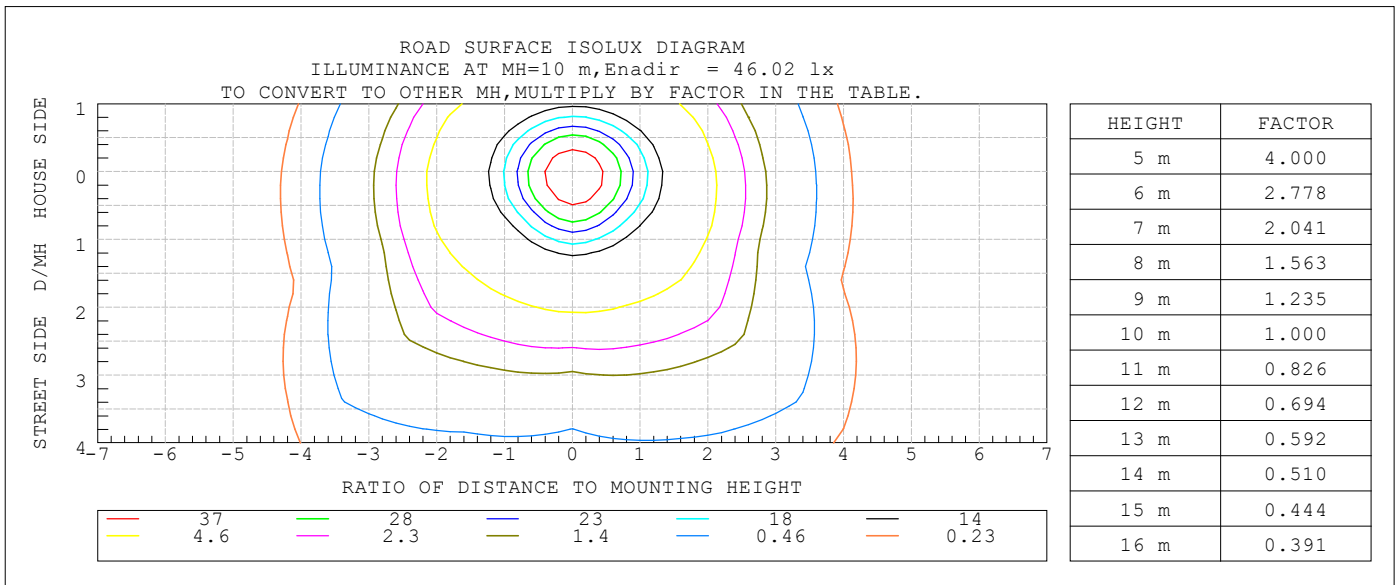
Classification:

IES:Type IV - Short
CIE:Broad - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:189.4cd/klm
Max.At90:0cd/klm
Max.80-90:189.4cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7309
90%	6578
80%	5847
70%	5116
60%	4385
50%	3655
40%	2924
30%	2193
20%	1462
10%	731
5%	365

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:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz Lamp Flux:23200.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

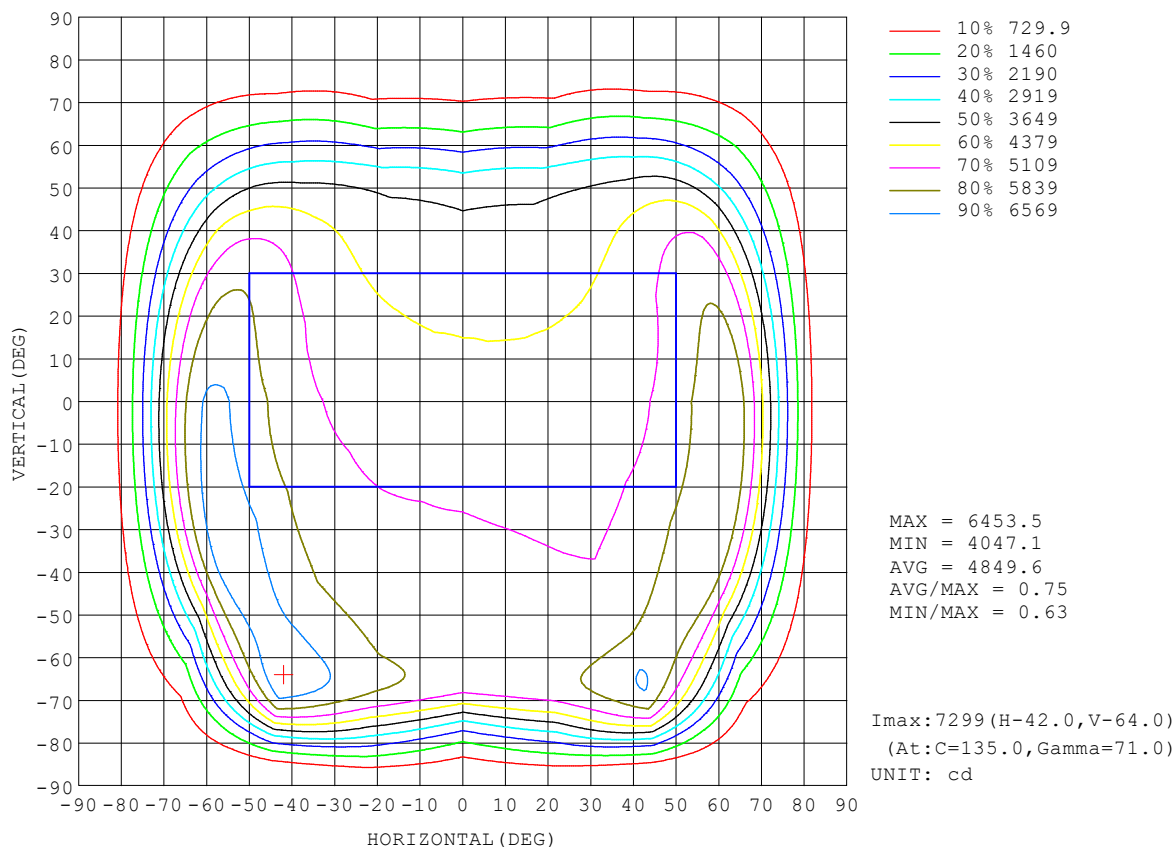
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4587	4677	4752	4761	4695	4551	4457	4484	0- 10	440.5	440.5	1.9,1.9
20	4624	4783	4948	4953	4834	4499	4257	4386	10- 20	1315	1756	7.57,7.57
30	4712	4896	5208	5161	5028	4454	4034	4292	20- 30	2172	3928	16.9,16.9
40	4948	5010	5462	5388	5460	4479	3795	4242	30- 40	3007	6935	29.9,29.9
50	5511	5191	5602	5736	6189	4477	3298	4231	40- 50	3838	10773	46.4,46.4
60	6384	5567	5598	6344	6660	3705	1909	3764	50- 60	4556	15329	66.1,66.1
70	4499	6592	4611	7298	4107	1859	743.9	2007	60- 70	4537	19866	85.6,85.6
80	1098	4393	1384	4064	865.5	439.0	258.0	455.6	70- 80	2773	22639	97.6,97.6
90	0	0	0	0	0	0	0	0	80- 90	561.1	23200	100,100
100	0	0	0	0	0	0	0	0	90-100	0	23200	100,100
110	0	0	0	0	0	0	0	0	100-110	0	23200	100,100
120	0	0	0	0	0	0	0	0	110-120	0	23200	100,100
130	0	0	0	0	0	0	0	0	120-130	0	23200	100,100
140	0	0	0	0	0	0	0	0	130-140	0	23200	100,100
150	0	0	0	0	0	0	0	0	140-150	0	23200	100,100
160	0	0	0	0	0	0	0	0	150-160	0	23200	100,100
170	0	0	0	0	0	0	0	0	160-170	0	23200	100,100
180	0	0	0	0	0	0	0	0	170-180	0	23200	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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:

ISOCANDELA DIAGRAM

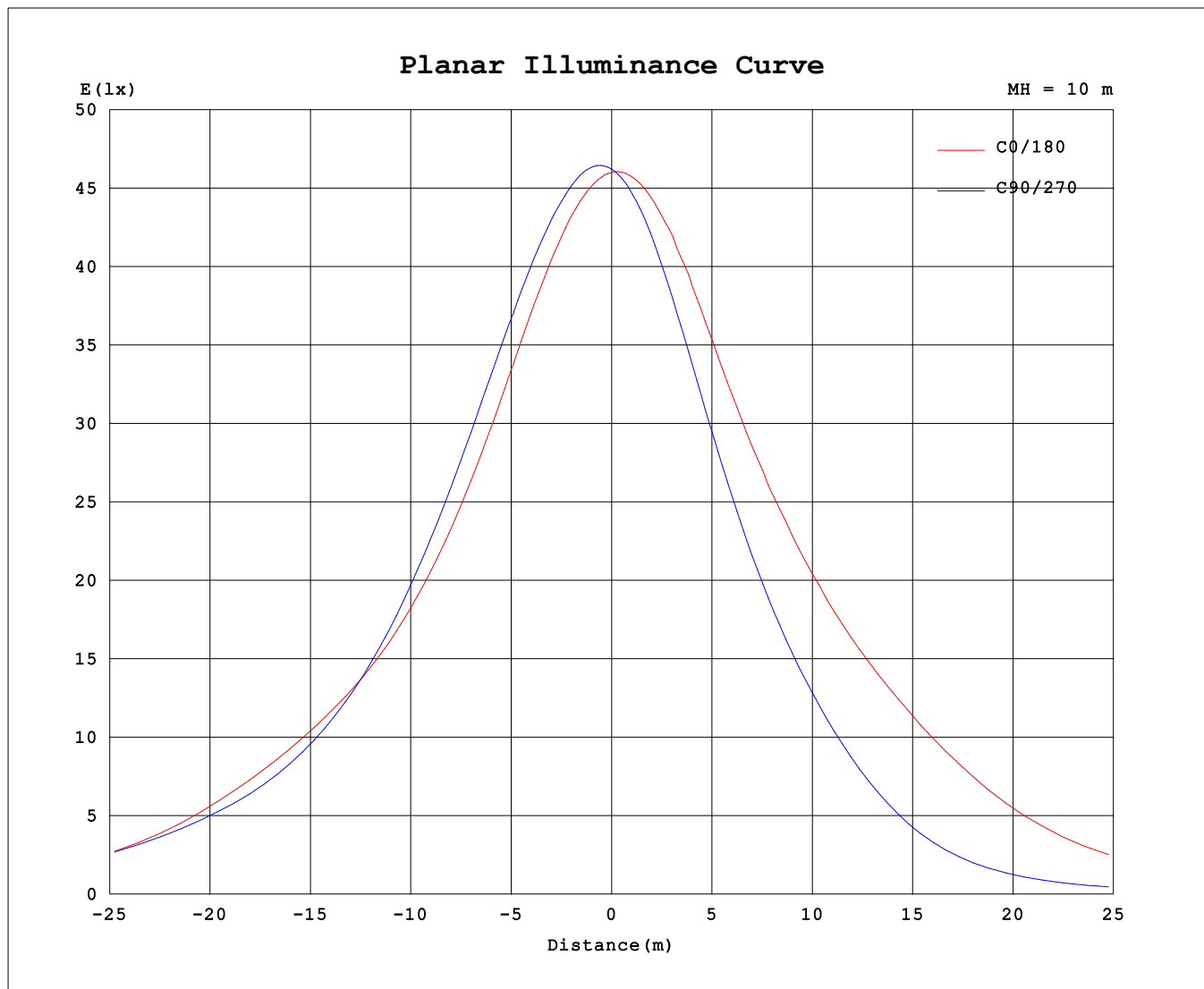
Test:U:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz Lamp Flux:23200.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 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



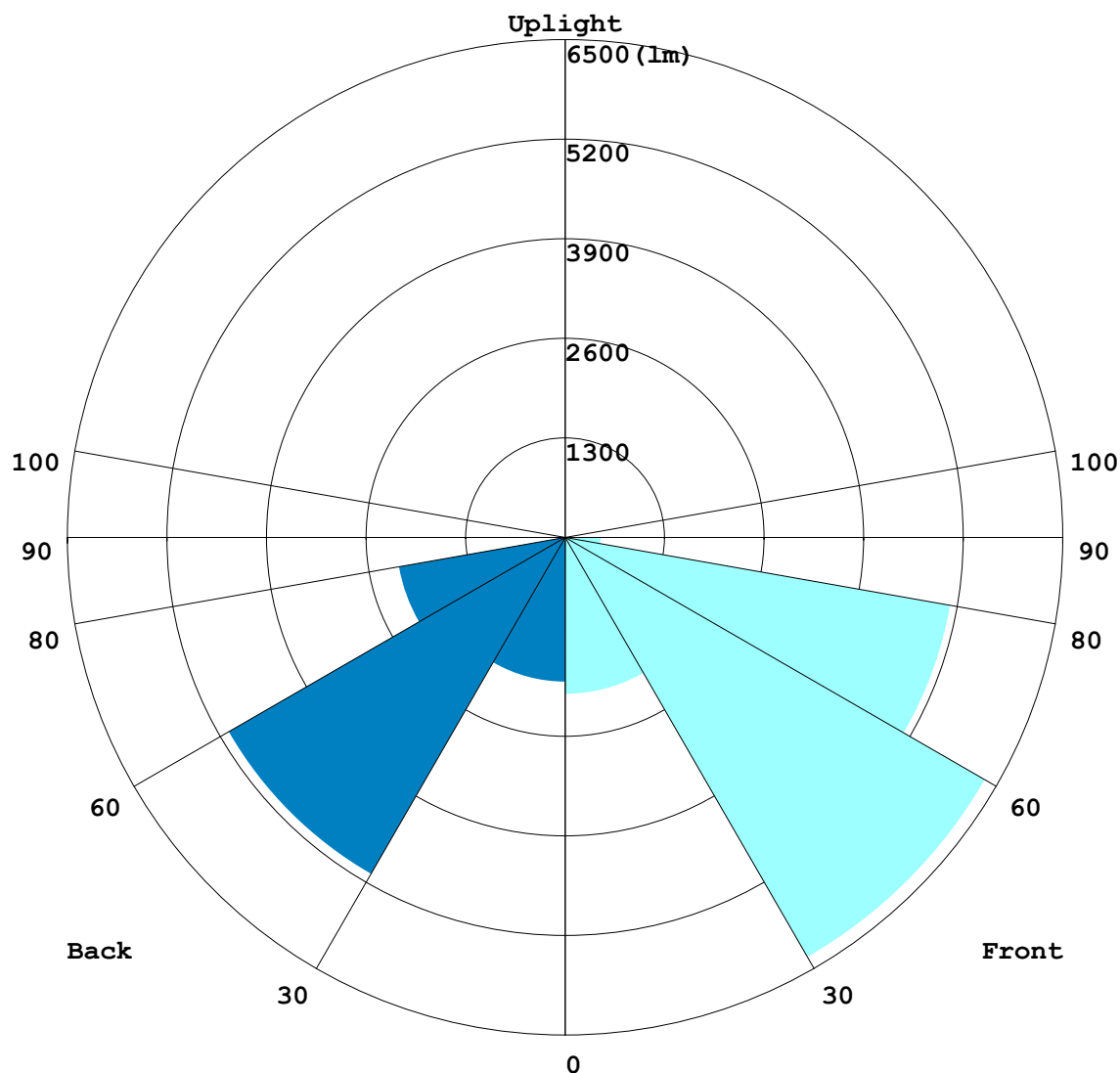
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7°C
Operators:DAMIN
Test Date:2024-12-22

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:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz Lamp Flux:23200.1x1 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: 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:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz Lamp Flux:23200.1x1 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)	2043.4	8.8
FM - Front-Medium(30-60)	6326.7	27.3
FH - Front-High(60-80)	5105.9	22.0
FVH - Front-Very High(80-90)	465.96	2.0
Total Forward Light	13942	60.1

BL - Back-Low(0-30)	1884.3	8.1
BM - Back-Medium(30-60)	5074.3	21.9
BH - Back-High(60-80)	2204.6	9.5
BVH - Back-Very High(80-90)	95.104	0.4
Total Back Light	9258.3	39.9

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9258.3	0	9258.3
Street Side	13942	0	13942

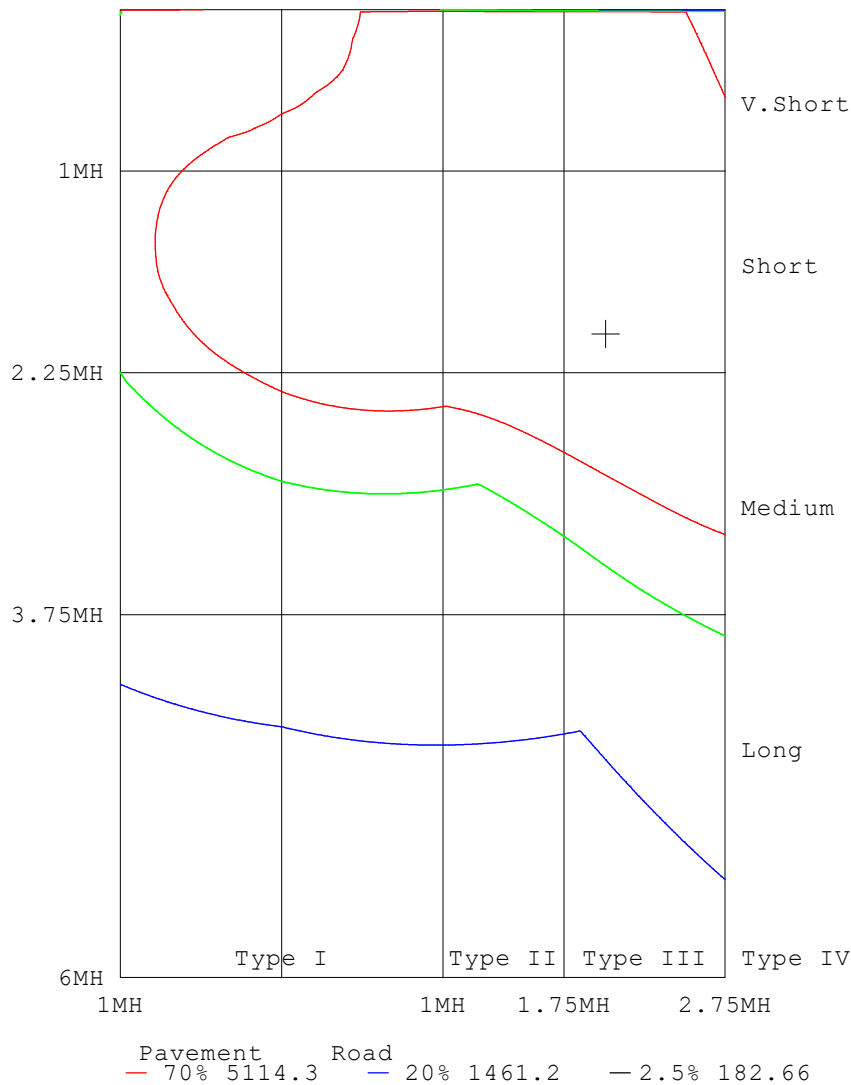
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7℃
Operators:DAMIN
Test Date:2024-12-22

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:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz Lamp Flux:23200.1x1 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: 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:119.17V I:1.2112A P:144.24W PF:0.9994 Freq:60.01Hz Lamp Flux:23200.1x1 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	4608	4608	4608	4608	4608	4608	4608	4608	4608	4608	4608	4608	4608	4608	4608	4608			
5	4587	4617	4640	4663	4677	4685	4681	4668	4642	4615	4579	4553	4536	4533	4542	4565			
10	4587	4635	4677	4719	4752	4766	4761	4740	4695	4628	4551	4491	4457	4454	4484	4536			
15	4597	4671	4725	4785	4841	4861	4853	4824	4758	4654	4527	4417	4362	4368	4433	4522			
20	4624	4712	4783	4863	4948	4965	4953	4913	4834	4685	4499	4333	4257	4276	4386	4519			
25	4663	4766	4844	4960	5074	5088	5051	5015	4916	4731	4474	4248	4144	4183	4334	4529			
30	4712	4835	4896	5061	5208	5205	5161	5138	5028	4812	4454	4164	4034	4088	4292	4551			
35	4806	4929	4950	5155	5340	5318	5263	5294	5203	4923	4457	4081	3918	3989	4256	4599			
40	4948	5060	5010	5240	5462	5422	5388	5514	5460	5104	4479	3995	3795	3888	4242	4693			
45	5170	5248	5087	5316	5558	5514	5542	5816	5785	5337	4506	3876	3621	3765	4239	4861			
50	5511	5515	5191	5375	5602	5594	5736	6207	6189	5592	4477	3648	3298	3555	4231	5093			
55	5984	5910	5340	5417	5597	5669	5992	6654	6603	5723	4250	3172	2701	3127	4127	5379			
60	6384	6358	5567	5483	5598	5778	6344	7000	6660	5454	3705	2391	1909	2399	3764	5503			
65	6046	6483	6004	5600	5536	5967	6846	6671	5790	4572	2846	1546	1211	1578	3017	4965			
70	4499	5132	6592	5397	4611	5768	7298	4838	4107	3112	1859	914	744	937	2007	3457			
75	2571	2946	6433	4088	2851	4438	6658	2580	2180	1784	1015	532	457	539	1087	1970			
80	1098	1256	4393	2393	1384	2676	4064	1045	865	756	439	279	258	279	456	869			
85	281	308	1311	924	459	1047	1052	272	229	148	109	87.5	91.3	88.6	105	173			
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: