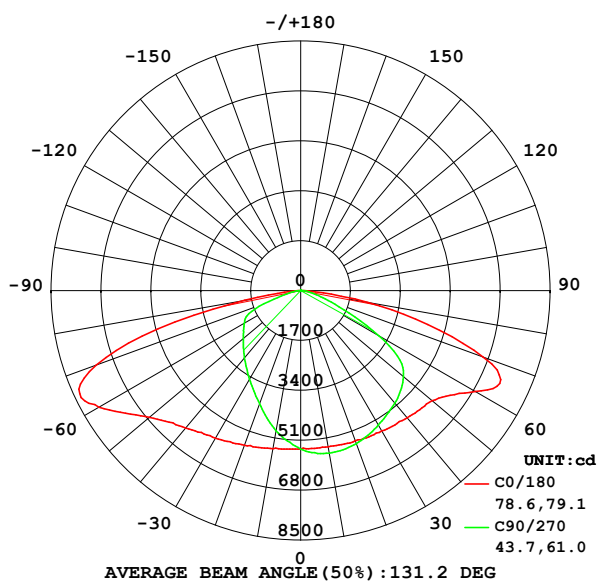
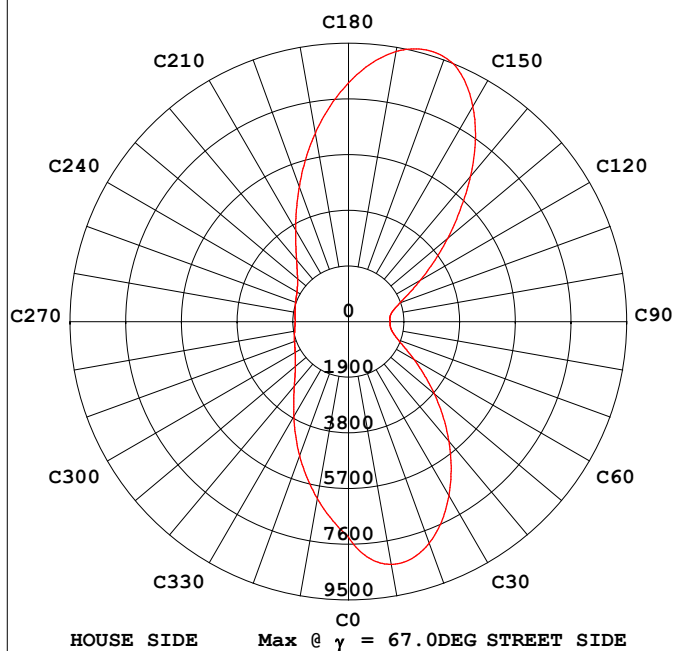


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.76 lm/W			
MODEL	AL-240WS-3CS-T3	I _{max} (cd)	9478	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	99.8	η street_down (%)	58.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22635	η house_up (%)	0.0
NOMINAL FLUX (lm)	22686.6	MAXIMUM @ (C, γ)	158,67.0	η house_down (%)	41.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.829

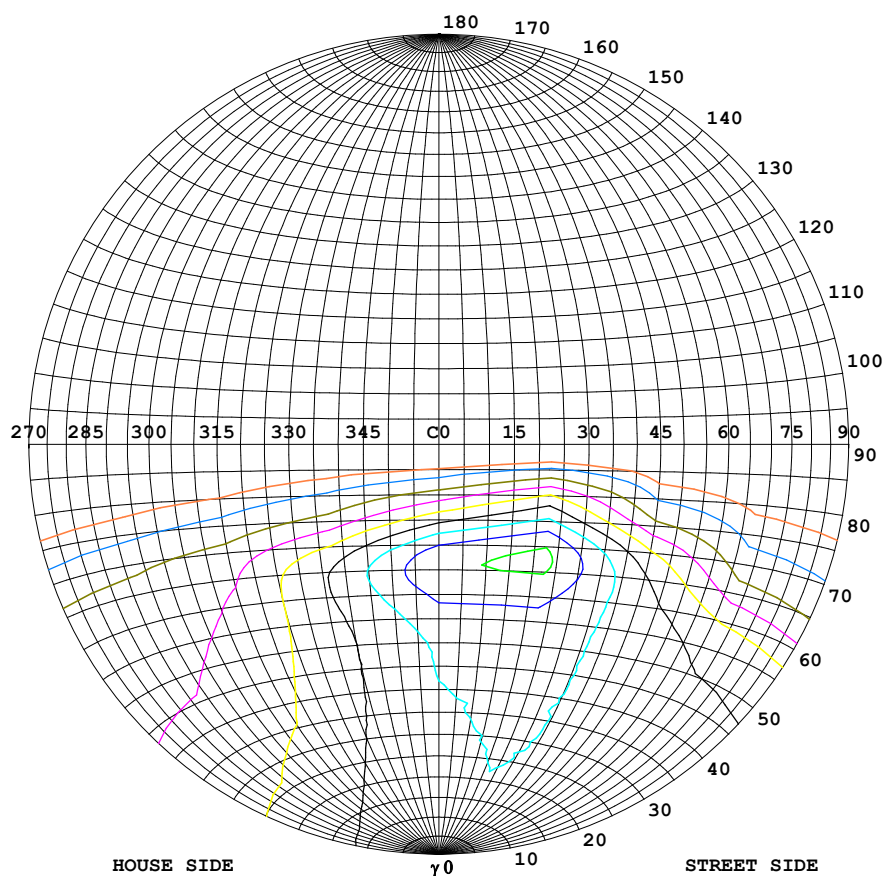
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.0 °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:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



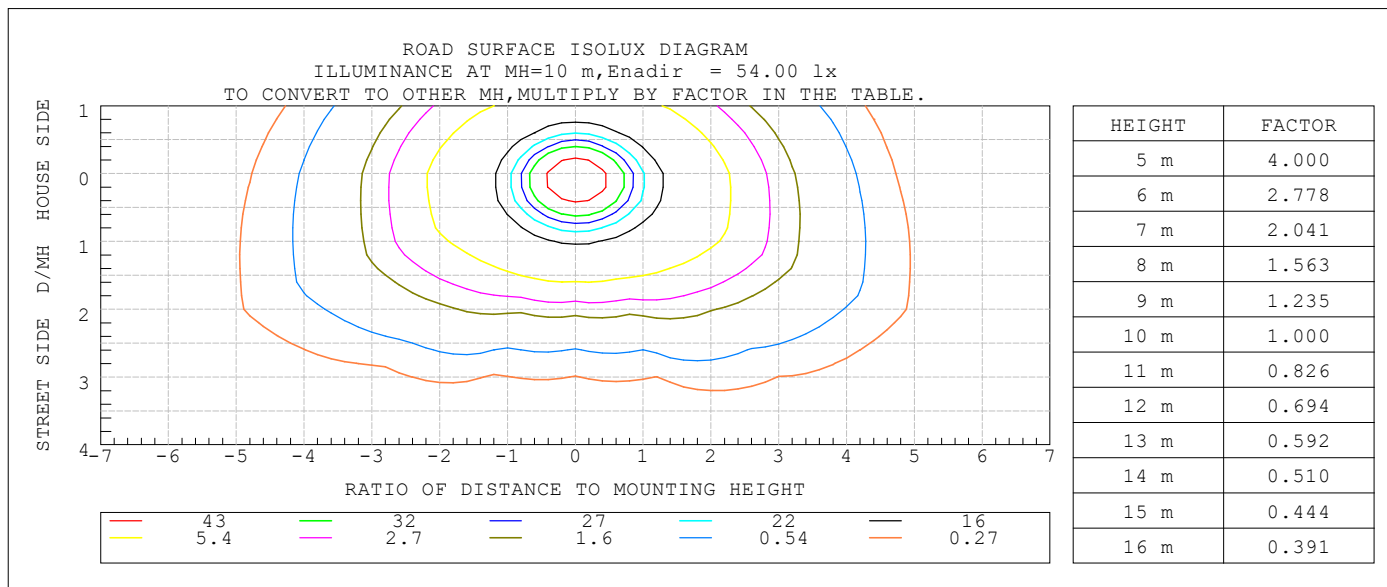
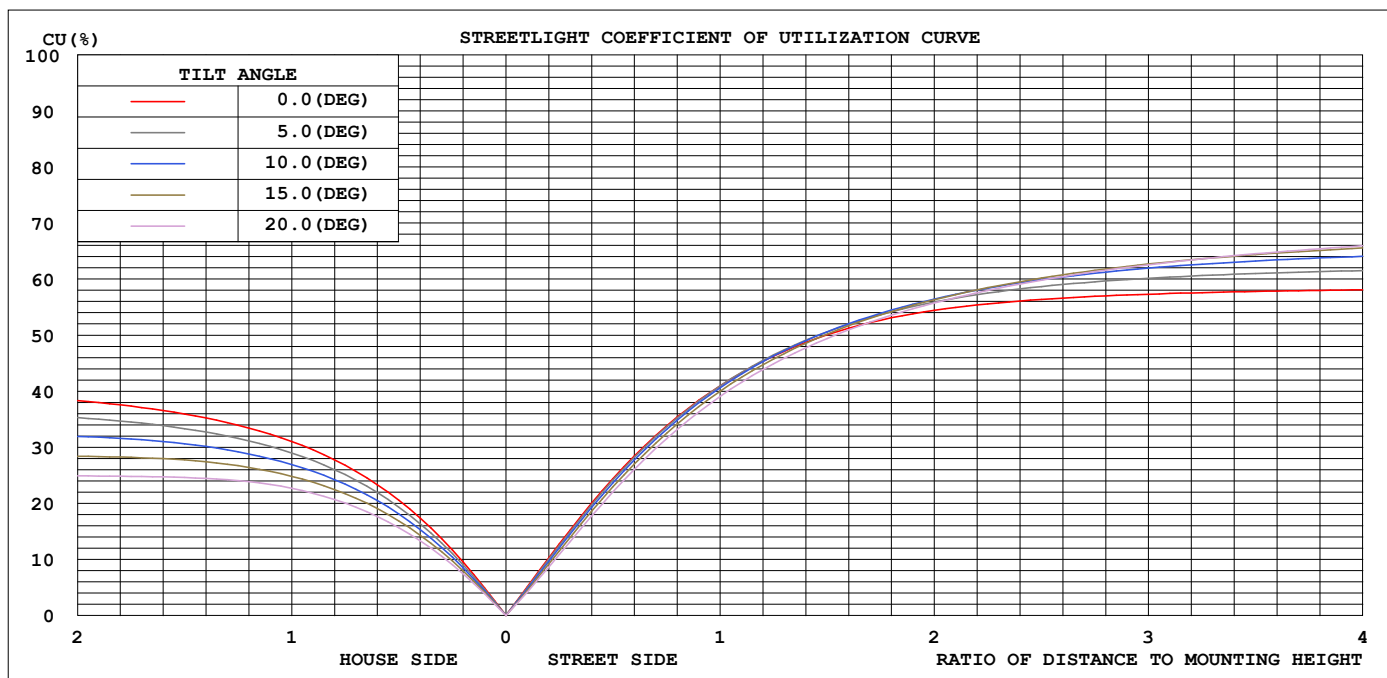
Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:170.5cd/klm
Max.At90:0cd/klm
Max.80-90:170.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9478
90%	8530
80%	7582
70%	6634
60%	5687
50%	4739
40%	3791
30%	2843
20%	1896
10%	948
5%	474

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.0°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: 25.0 °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:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

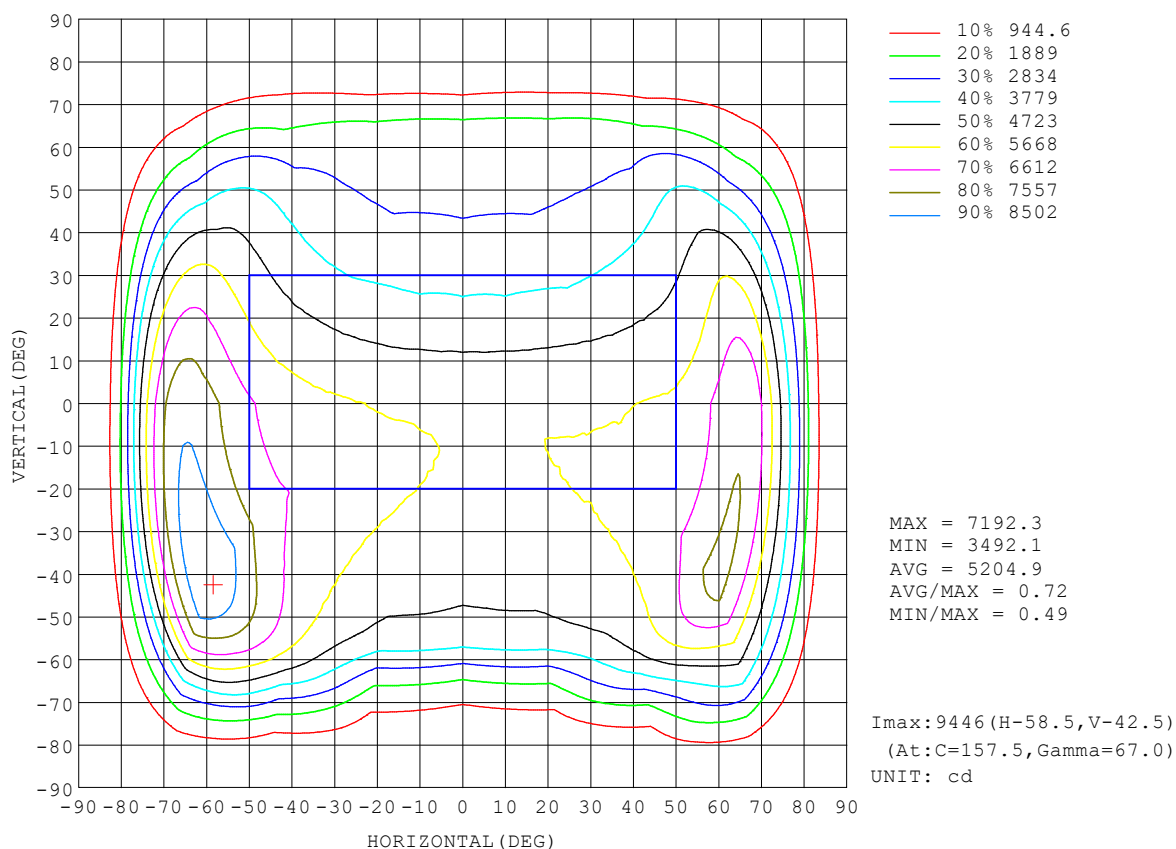
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5400	5577	5623	5660	5467	5067	4851	5047	0- 10	512.3	512.3	2.26,2.26
20	5446	5608	5547	5791	5608	4592	4109	4553	10- 20	1487	1999	8.83,8.81
30	5521	5573	5295	5849	5804	4105	3490	4038	20- 30	2340	4339	19.2,19.1
40	5656	5491	5000	5848	6103	3727	2985	3622	30- 40	3063	7402	32.7,32.6
50	5834	5380	4575	5882	6724	3401	2557	3286	40- 50	3678	11080	49,48.8
60	6874	5129	3083	5941	7941	3073	2224	2970	50- 60	4216	15296	67.6,67.4
70	6601	3900	1000	4637	7403	2052	1337	2196	60- 70	4336	19631	86.7,86.5
80	2329	893.2	298.0	1152	1939	546.3	270.1	491.3	70- 80	2577	22208	98.1,97.9
90	0	0	0	0	0	0	0	0	80- 90	427.0	22635	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	22635	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	22635	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	22635	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	22635	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	22635	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	22635	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	22635	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	22635	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	22635	100,99.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.0℃
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

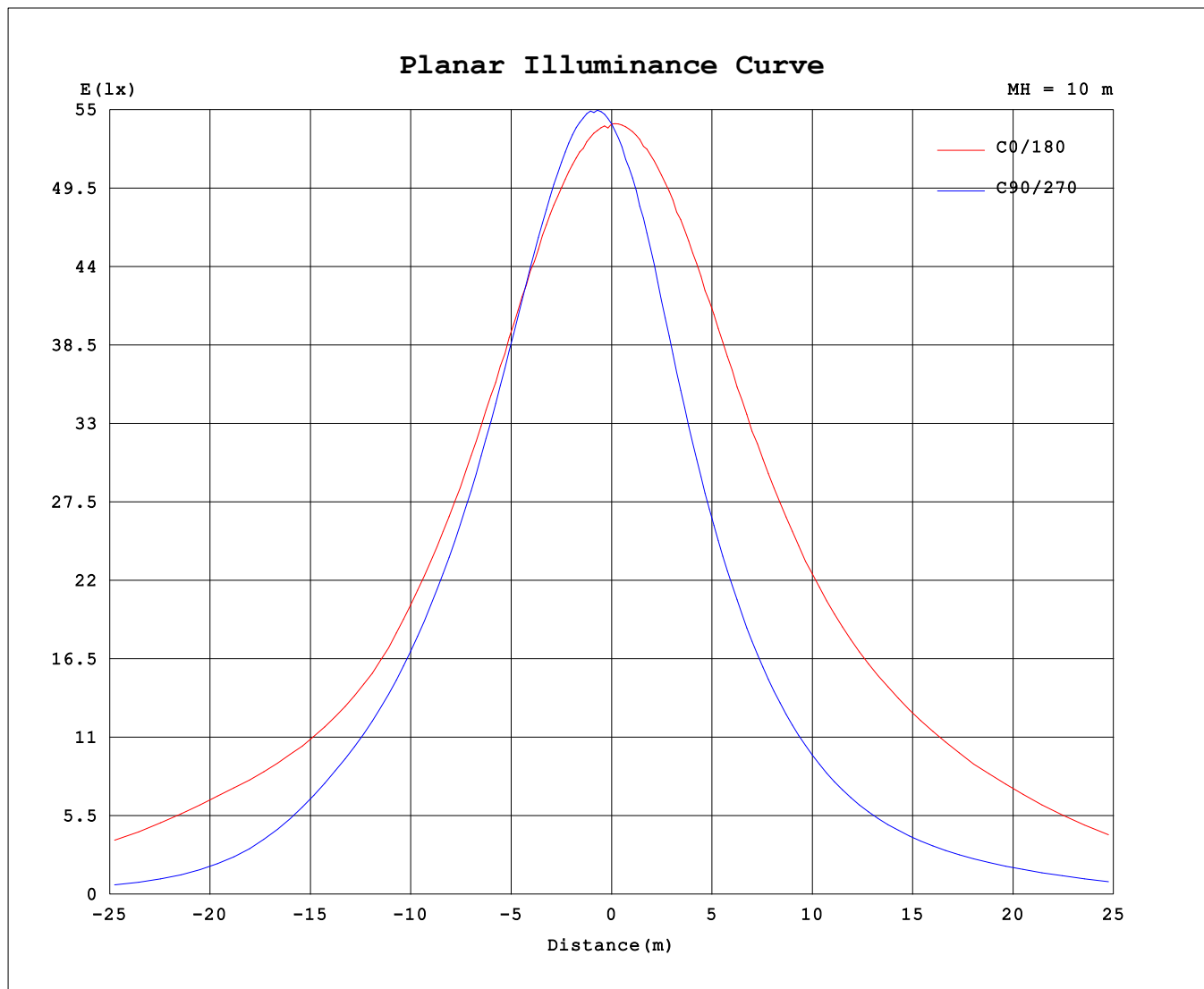
Test:U:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.0°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



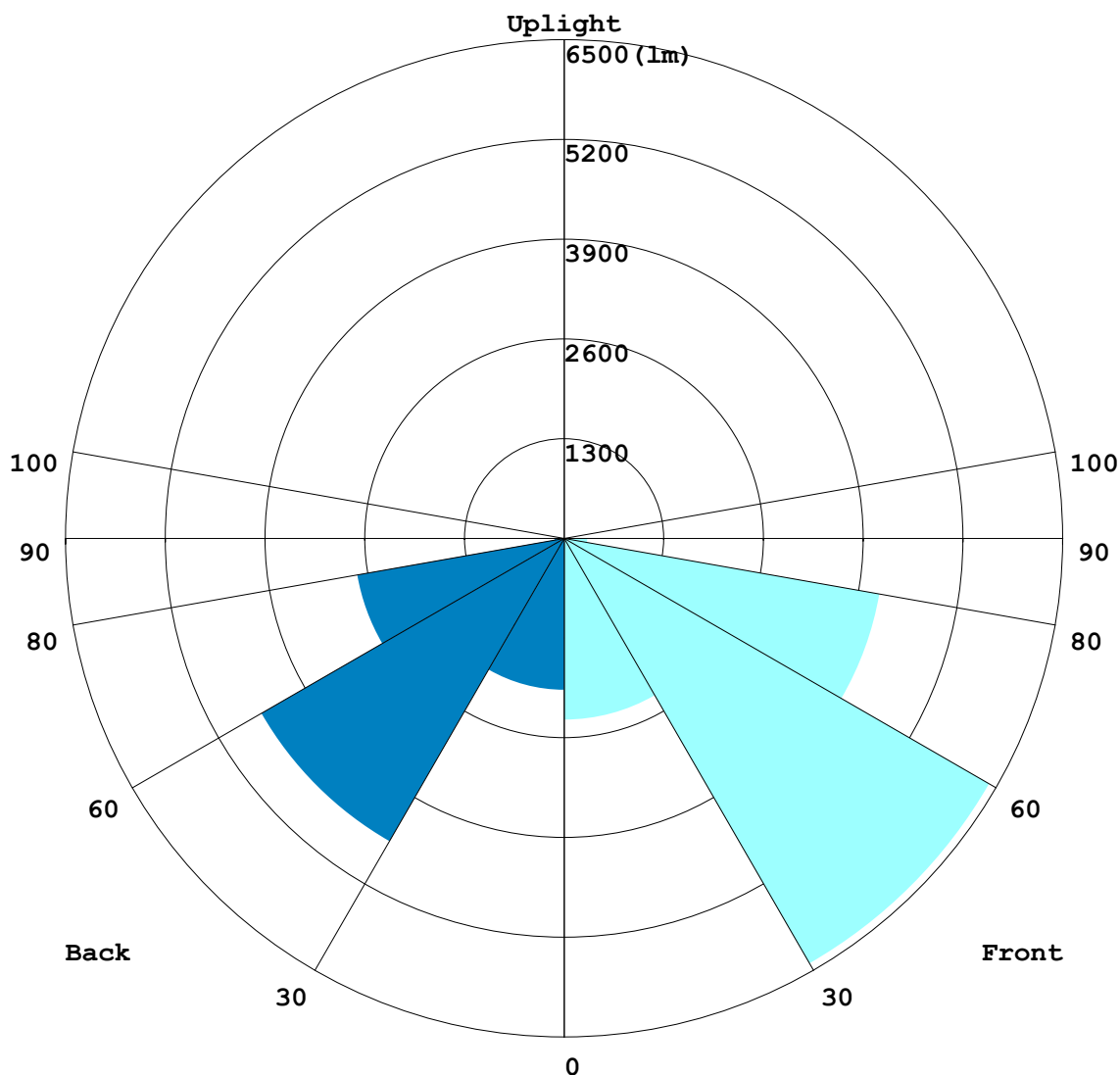
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.0 °C
Operators: DAMIN
Test Date: 2024-12-24

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:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 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: 25.0℃
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:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 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)	2363.3	10.4
FM - Front-Medium(30-60)	6397.3	28.3
FH - Front-High(60-80)	4172.5	18.4
FVH - Front-Very High(80-90)	301.38	1.3
Total Forward Light	13234	58.5

BL - Back-Low(0-30)	1975.9	8.7
BM - Back-Medium(30-60)	4559.4	20.1
BH - Back-High(60-80)	2739.7	12.1
BVH - Back-Very High(80-90)	125.57	0.6
Total Back Light	9400.6	41.5

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9400.6	0	9400.6
Street Side	13234	0	13234

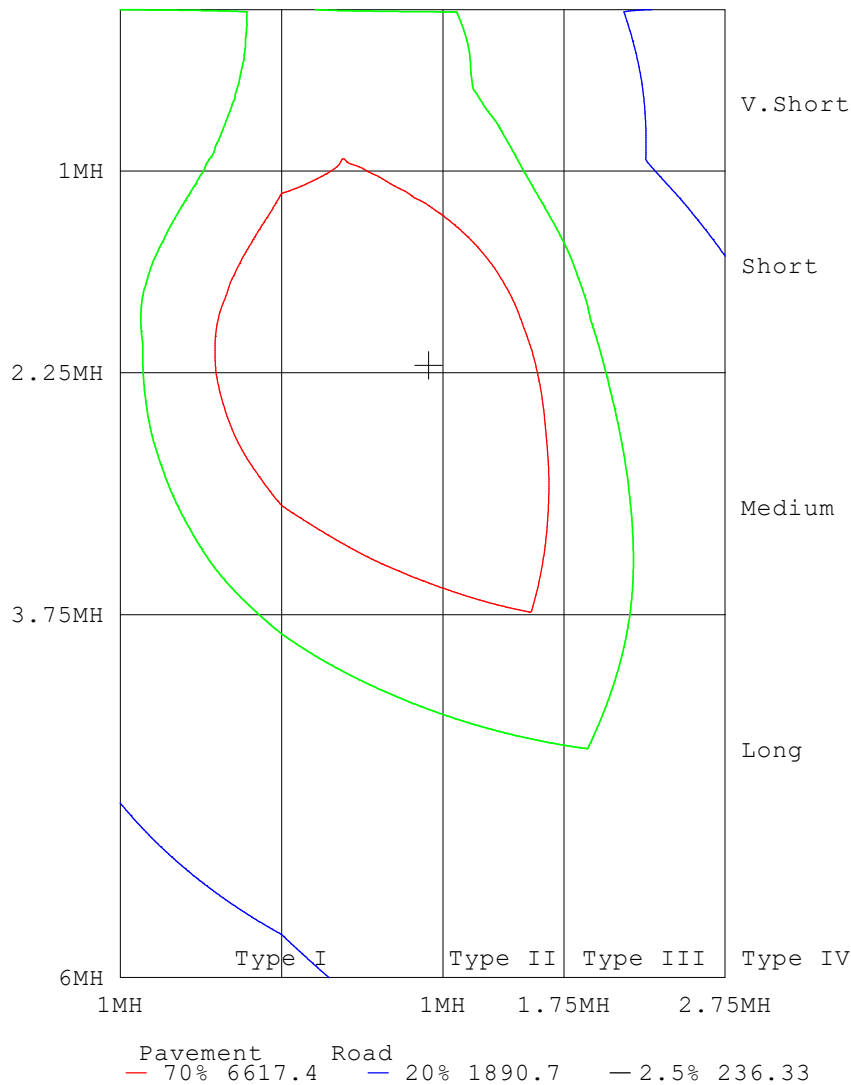
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.0℃
Operators:DAMIN
Test Date:2024-12-24

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:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 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: 25.0 °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:119.24V I:1.2515A P:149.15W PF:0.9995 Freq:60.01Hz Lamp Flux:22686.6x1 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	5397	5397	5397	5397	5397	5397	5397	5397	5397	5397	5397	5397	5397	5397	5397	5397			
5	5394	5448	5509	5537	5540	5551	5542	5523	5423	5309	5247	5189	5148	5172	5238	5319			
10	5400	5521	5577	5615	5623	5640	5660	5630	5467	5266	5067	4923	4851	4898	5047	5240			
15	5428	5587	5609	5608	5609	5647	5720	5746	5532	5177	4839	4583	4480	4564	4823	5167			
20	5446	5652	5608	5555	5547	5632	5791	5842	5608	5121	4592	4246	4109	4196	4553	5071			
25	5496	5713	5591	5478	5440	5571	5813	5981	5683	5040	4338	3926	3776	3889	4297	4961			
30	5521	5764	5573	5359	5295	5471	5849	6098	5804	4971	4105	3630	3490	3600	4038	4838			
35	5592	5841	5540	5226	5144	5342	5846	6227	5906	4923	3902	3386	3228	3353	3821	4742			
40	5656	5897	5491	5102	5000	5207	5848	6400	6103	4907	3727	3147	2985	3114	3622	4677			
45	5740	6023	5444	4968	4818	5055	5858	6639	6349	4898	3550	2919	2759	2893	3447	4637			
50	5834	6141	5380	4770	4575	4841	5882	7003	6724	4980	3401	2704	2557	2680	3286	4606			
55	6222	6386	5300	4444	4132	4486	5894	7579	7283	5091	3256	2511	2382	2501	3117	4676			
60	6874	6898	5129	3708	3083	3764	5941	8456	7941	5137	3073	2331	2224	2326	2970	4829			
65	7486	7643	4858	2411	1826	2516	5698	9328	8307	4862	2714	2099	2018	2113	2753	4832			
70	6601	7541	3900	1383	1000	1469	4637	9217	7403	3866	2052	1552	1337	1646	2196	3848			
75	4483	5881	2222	738	562	784	2810	7311	5024	2323	1270	739	586	781	1204	2314			
80	2329	3869	893	379	298	394	1152	3687	1939	915	546	308	270	325	491	1057			
85	514	1114	239	133	117	151	249	876	401	198	111	89.0	80.8	88.6	107	250			
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: 25.0℃
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: