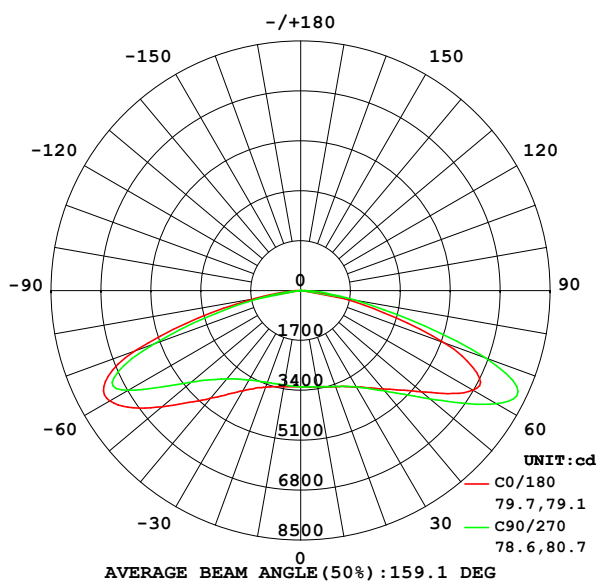
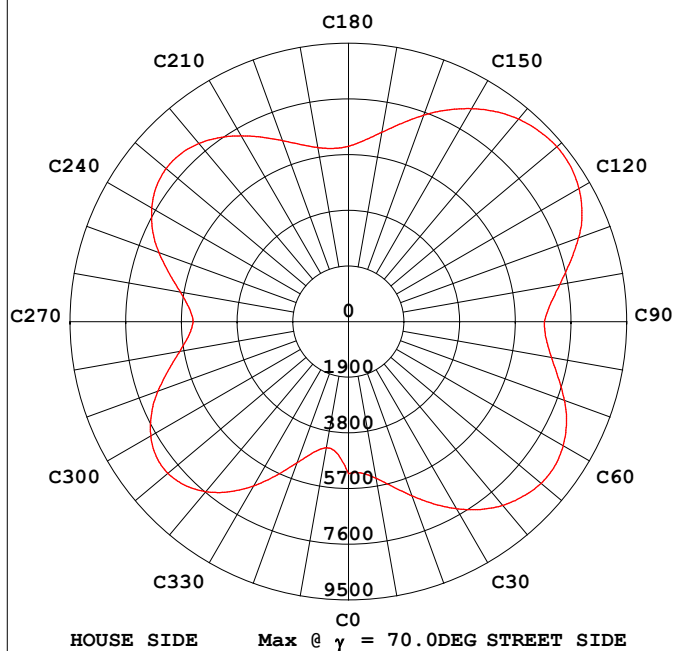


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.01 lm/W			
MODEL	AL-240WS-3CS-T5	I _{max} (cd)	9200	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	52.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	28375	η house_up (%)	0.0
NOMINAL FLUX (lm)	28445.6	MAXIMUM @ (C, γ)	135,70.0	η house_down (%)	47.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	24.025

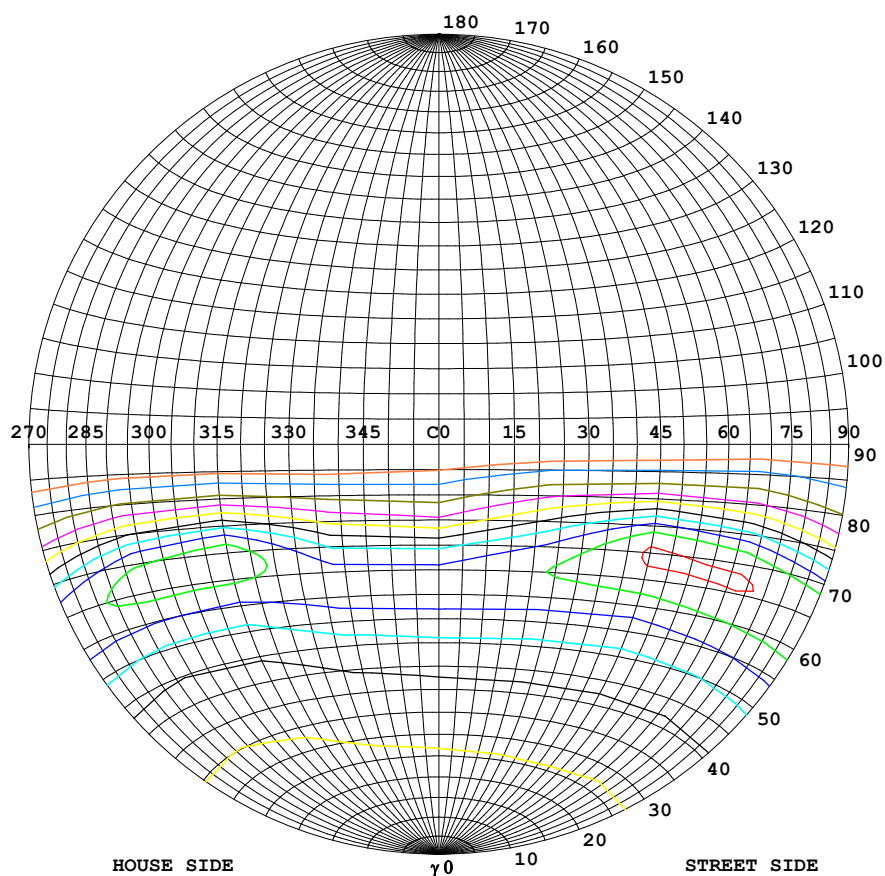
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



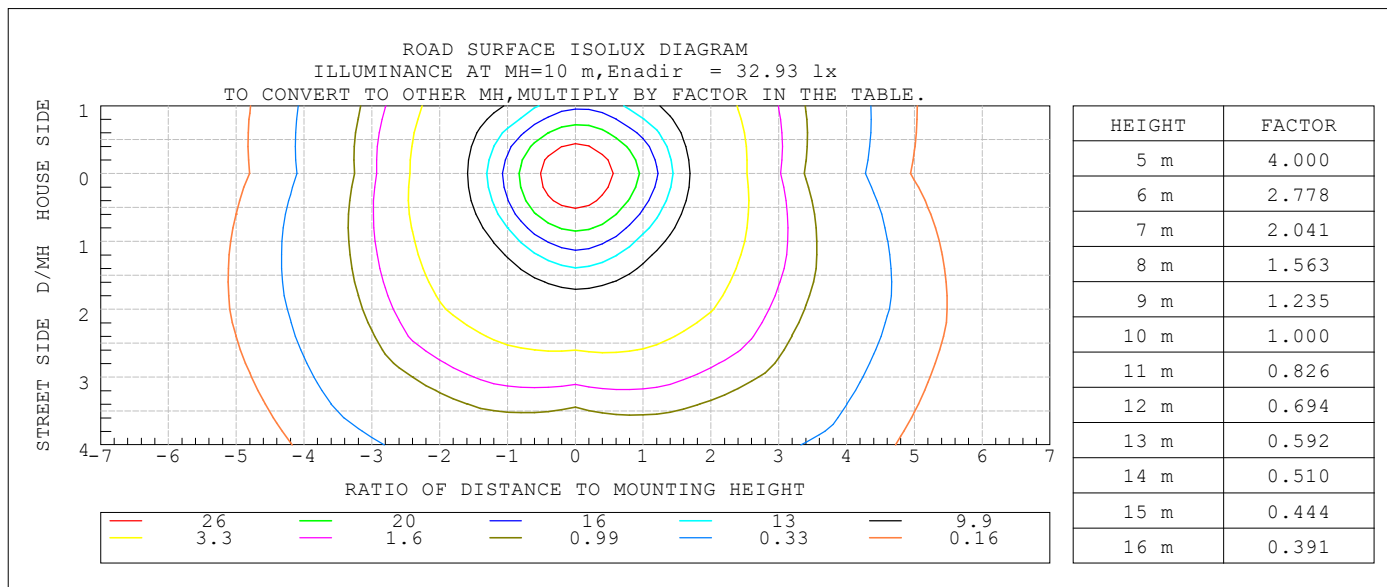
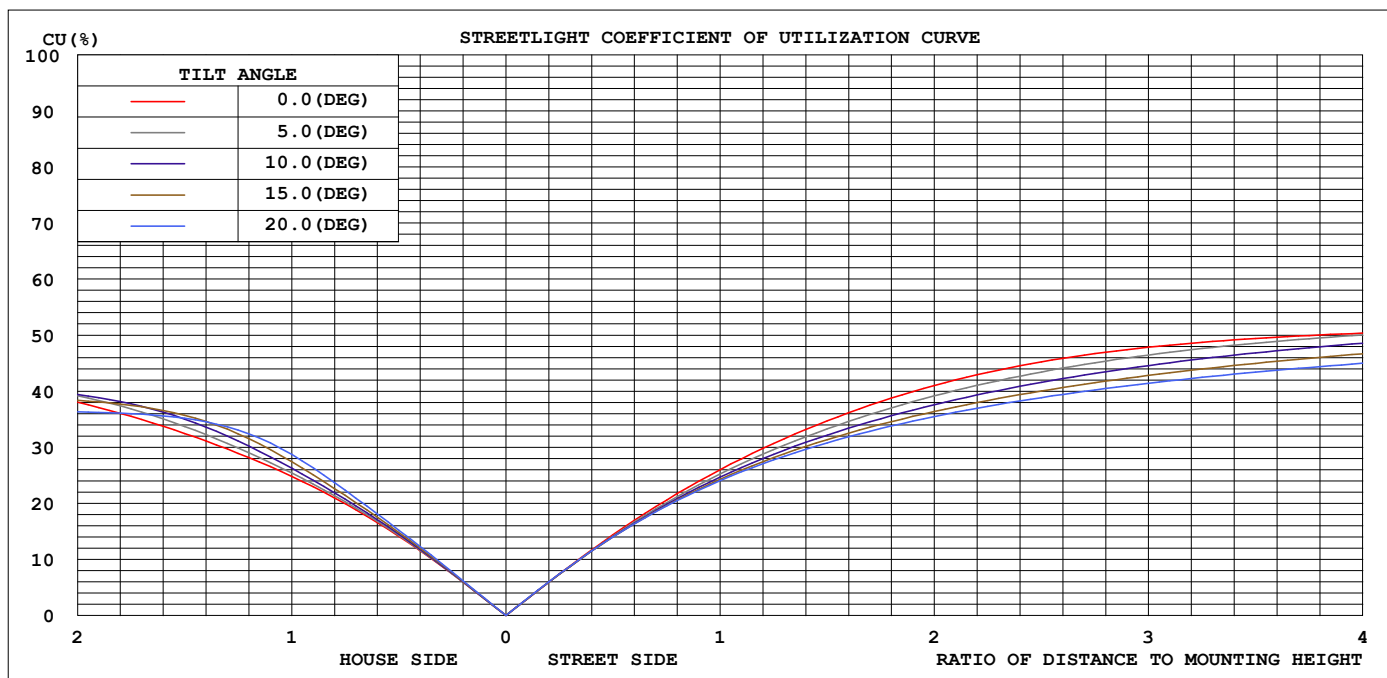
Classification:

IES:Type VS - Short
CIE:Broad - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:166.9cd/klm
Max.At90:0cd/klm
Max.80-90:166.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9200
90%	8280
80%	7360
70%	6440
60%	5520
50%	4600
40%	3680
30%	2760
20%	1840
10%	920
5%	460

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:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

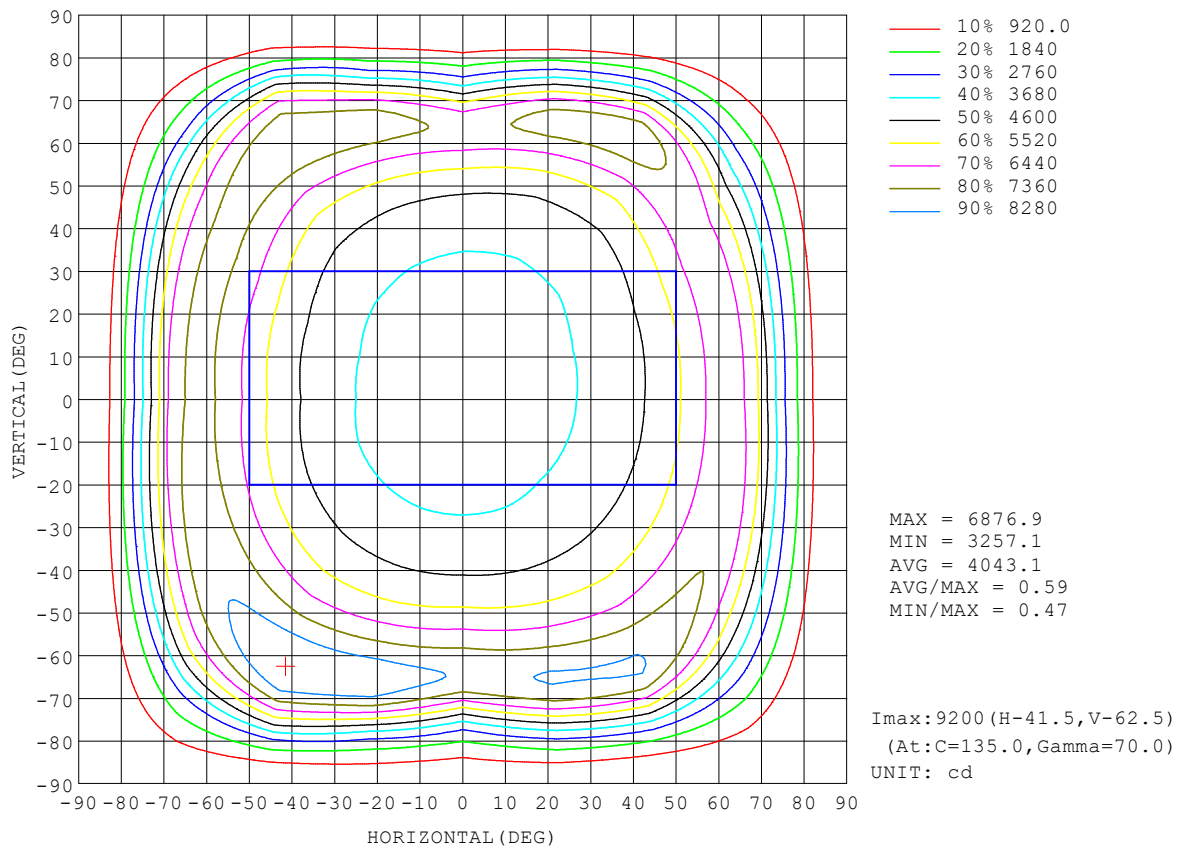
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3336	3347	3324	3320	3325	3298	3270	3294	0- 10	314.8	314.8	1.11,1.11
20	3489	3506	3469	3471	3507	3407	3337	3388	10- 20	957.7	1272	4.48,4.47
30	3792	3852	3786	3823	3939	3692	3523	3596	20- 30	1661	2934	10.3,10.3
40	4379	4451	4466	4490	4789	4251	3938	3973	30- 40	2534	5467	19.3,19.2
50	5360	5347	5734	5530	6156	5158	4853	4681	40- 50	3729	9196	32.4,32.3
60	6782	6917	7703	7366	7512	6900	6794	6280	50- 60	5555	14751	52,51.9
70	5196	8429	6689	9200	5985	8104	5303	7893	60- 70	7440	22190	78.2,78
80	1417	3403	1873	4748	1559	3347	1220	2157	70- 80	5219	27410	96.6,96.4
90	0	0	0	0	0	0	0	0	80- 90	964.7	28375	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	28375	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	28375	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	28375	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	28375	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	28375	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	28375	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	28375	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	28375	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	28375	100,99.8
DEG	LUMINOUS INTENSITY:cd									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

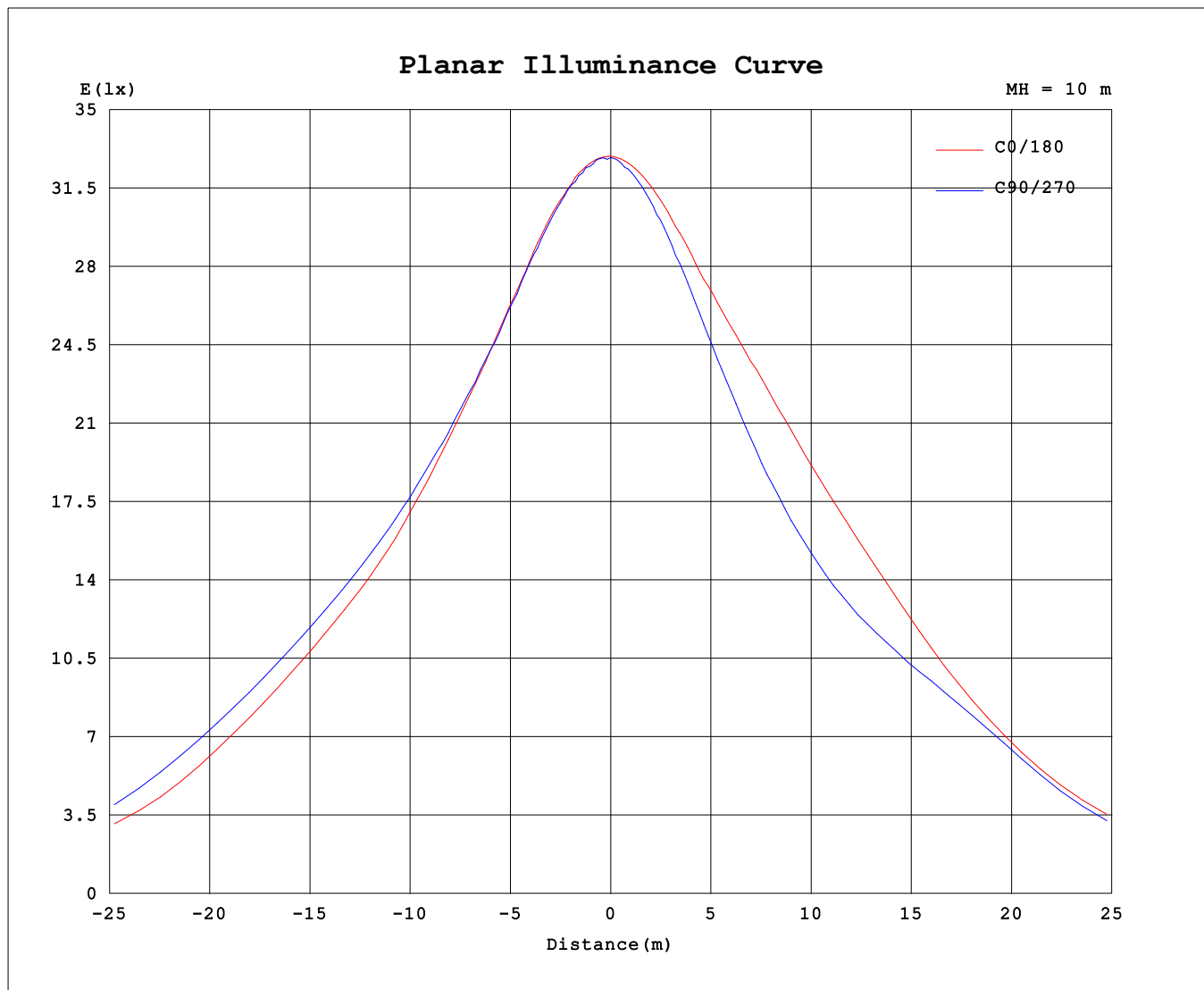
Test:U:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



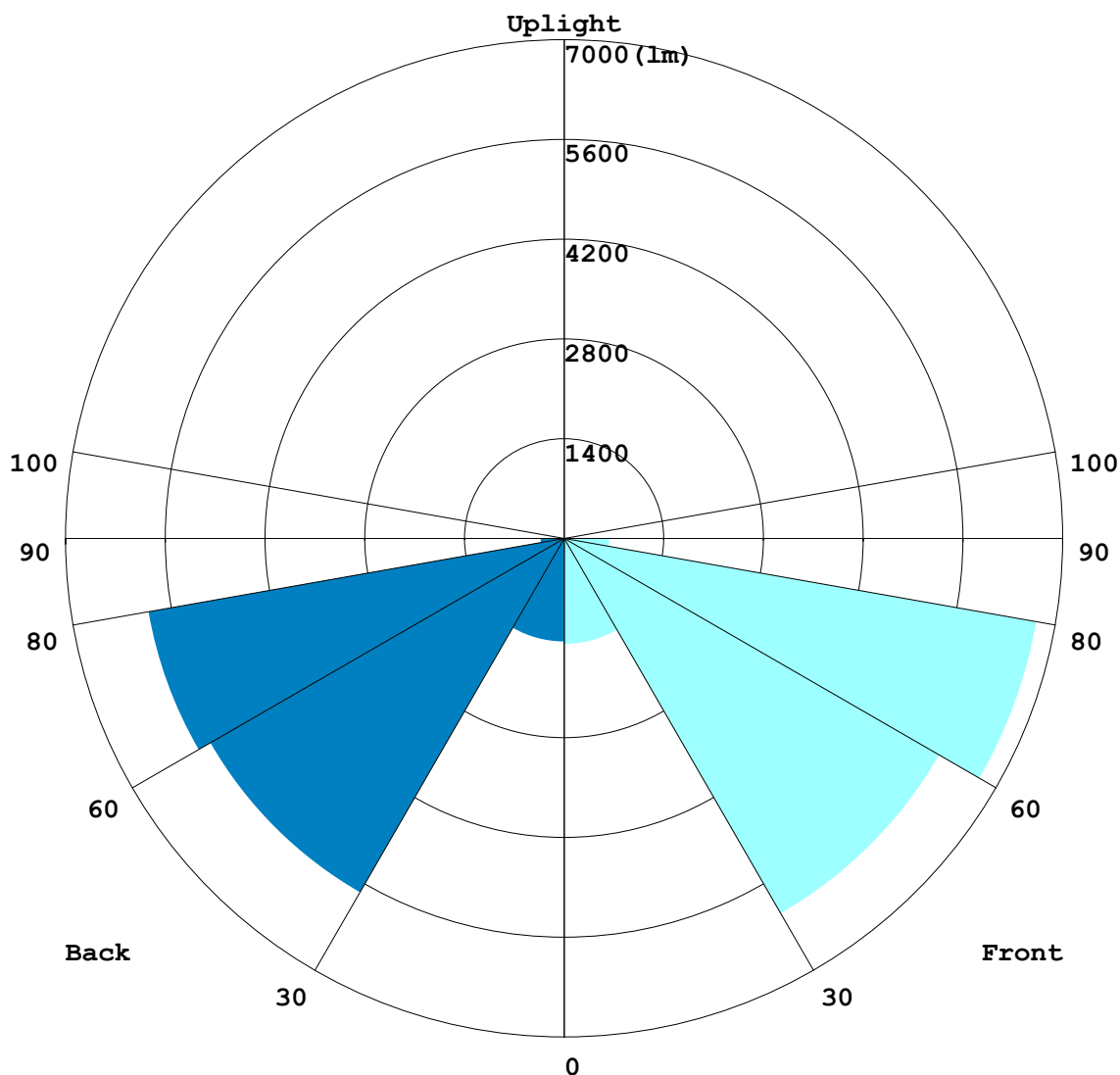
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8 °C
Operators:DAMIN
Test Date:2024-12-22

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:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 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: 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:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 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)	1483.6	5.2
FM - Front-Medium(30-60)	6078.6	21.4
FH - Front-High(60-80)	6732.5	23.7
FVH - Front-Very High(80-90)	635.31	2.2
Total Forward Light	14930	52.6

BL - Back-Low(0-30)	1450.3	5.1
BM - Back-Medium(30-60)	5738.3	20.2
BH - Back-High(60-80)	5926.6	20.9
BVH - Back-Very High(80-90)	329.39	1.2
Total Back Light	13445	47.4

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	13445	0	13445
Street Side	14930	0	14930

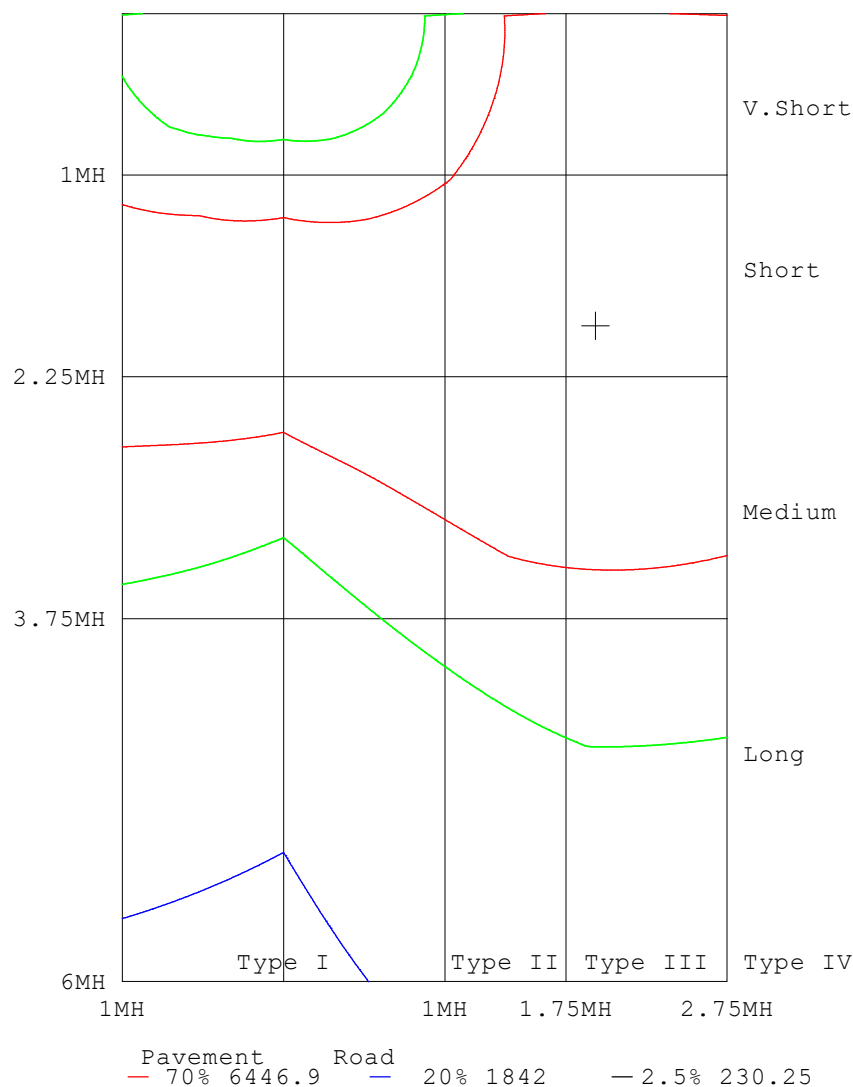
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.8℃
Operators:DAMIN
Test Date:2024-12-22

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:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 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: 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:118.94V I:1.6685A P:198.41W PF:0.9998 Freq:60.01Hz Lamp Flux:28445.6x1 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	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281	3281			
5	3295	3303	3315	3303	3292	3301	3288	3283	3288	3297	3280	3271	3268	3274	3282	3293			
10	3336	3349	3347	3326	3324	3321	3320	3317	3325	3320	3298	3277	3270	3272	3294	3331			
15	3399	3415	3419	3394	3391	3374	3377	3376	3395	3379	3336	3305	3293	3299	3329	3385			
20	3489	3515	3506	3484	3469	3461	3471	3473	3507	3480	3407	3359	3337	3349	3388	3461			
25	3608	3646	3657	3605	3595	3606	3603	3611	3670	3644	3513	3451	3407	3417	3474	3576			
30	3792	3840	3852	3804	3786	3796	3823	3852	3939	3872	3692	3587	3523	3525	3596	3742			
35	4045	4096	4113	4058	4084	4093	4114	4183	4308	4203	3937	3788	3692	3675	3757	3965			
40	4379	4432	4451	4433	4466	4474	4490	4612	4789	4627	4251	4056	3938	3883	3973	4262			
45	4802	4845	4846	4892	5000	4954	4953	5123	5394	5165	4631	4420	4298	4180	4258	4642			
50	5360	5362	5347	5501	5734	5606	5530	5764	6156	5873	5158	4970	4853	4637	4681	5185			
55	6121	6054	6037	6331	6681	6527	6329	6603	6962	6716	5917	5793	5715	5381	5311	5977			
60	6782	6861	6917	7351	7703	7662	7366	7476	7512	7418	6900	6892	6794	6506	6280	6753			
65	6616	7371	7938	8248	8172	8703	8569	8045	7337	7568	7882	7810	7017	7630	7518	6743			
70	5196	6587	8429	8048	6689	8605	9200	7744	5985	6758	8104	7154	5303	7190	7893	5427			
75	2954	4744	6747	5743	3870	6141	7947	6299	3605	4903	6685	4460	2950	4562	5327	3477			
80	1417	2671	3403	2902	1873	2931	4748	3692	1559	2225	3347	1845	1220	1914	2157	1561			
85	433	903	988	1065	725	1080	1540	1311	506	591	779	355	134	297	373	259			
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: