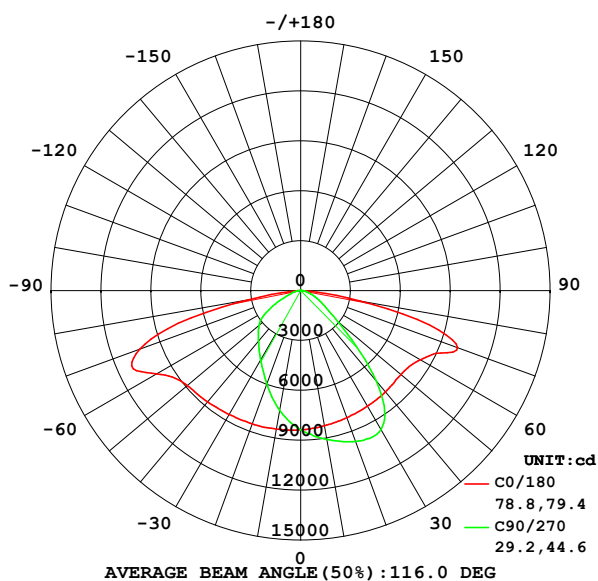
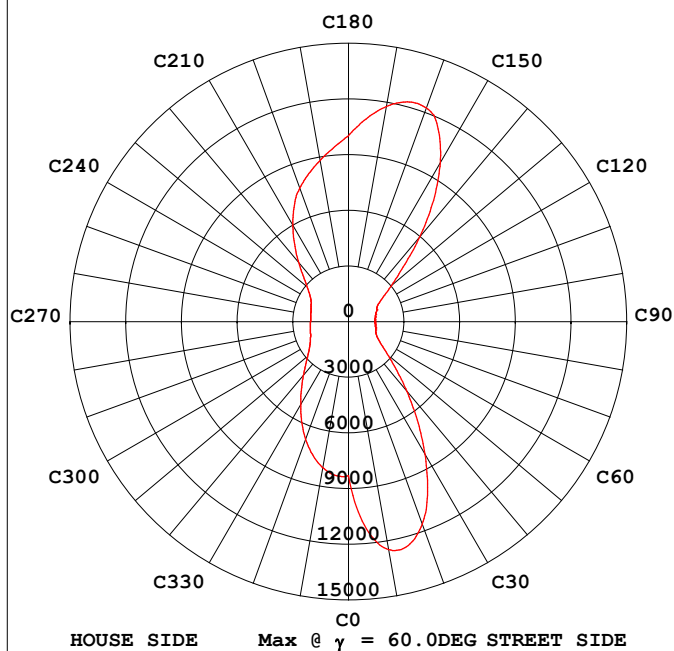


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz
Lamp Flux:29128x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.87 lm/W			
MODEL	AL-300WS-3CS-T2	I _{max} (cd)	12043	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	99.8	η street_down (%)	57.0
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	29060	η house_up (%)	0.0
NOMINAL FLUX (lm)	29128	MAXIMUM @ (C, γ)	158,60.0	η house_down (%)	42.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.600

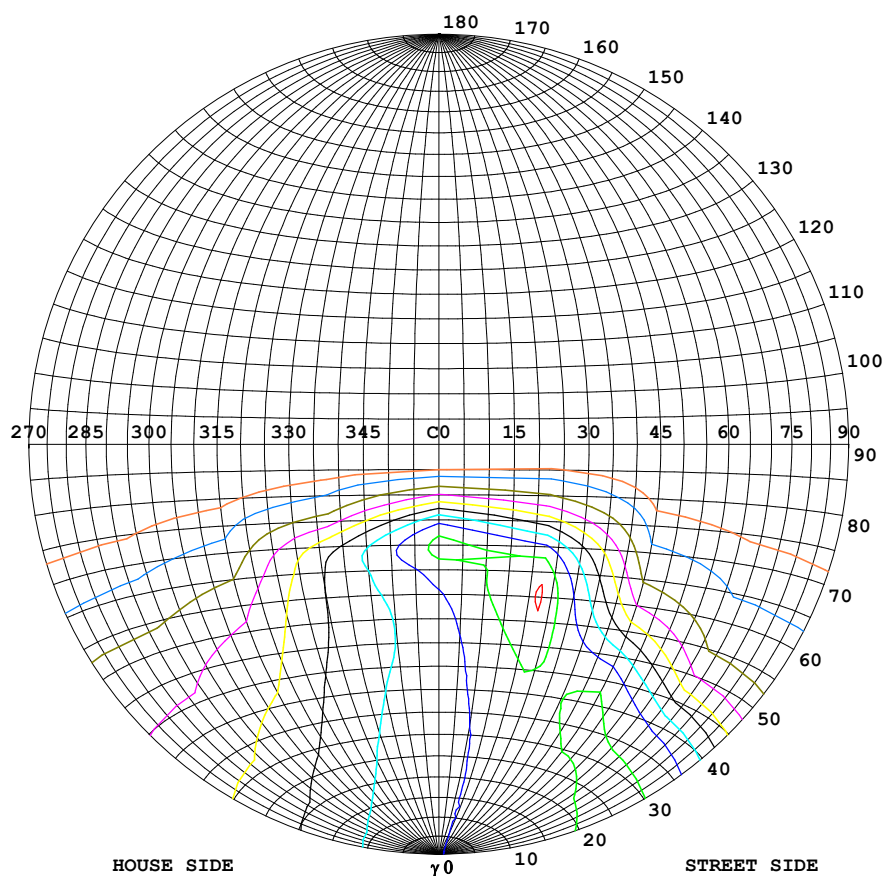
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4 °C
Operators:DAMIN
Test Date:2024-12-29

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:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz Lamp Flux:29128x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



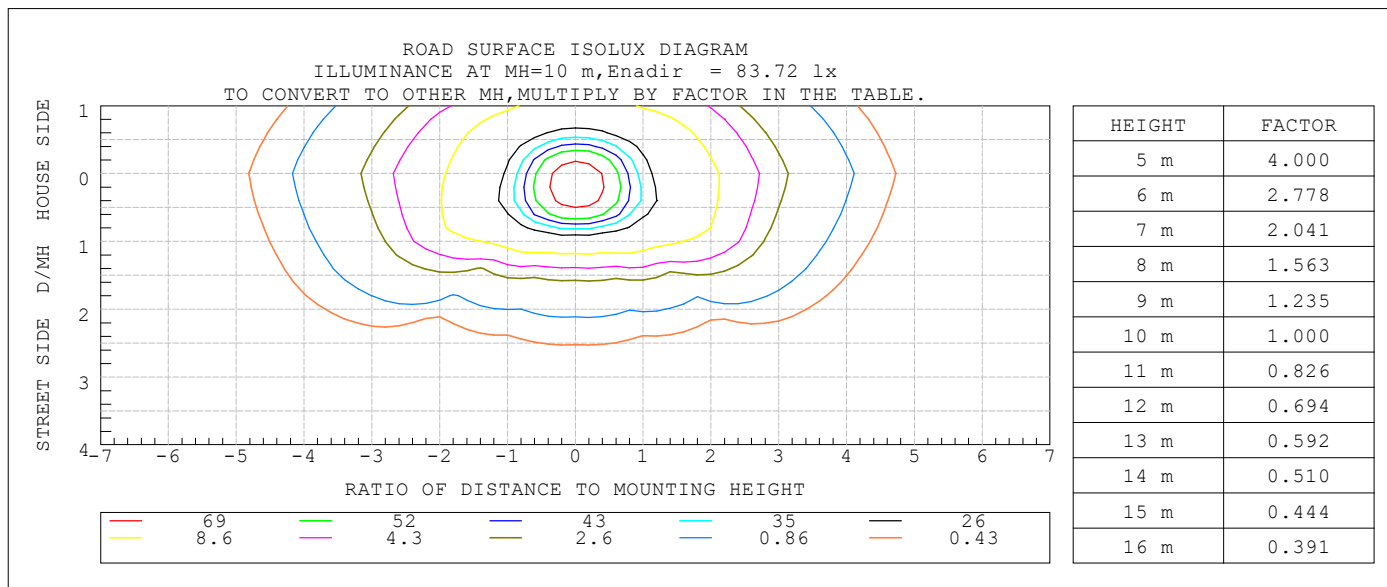
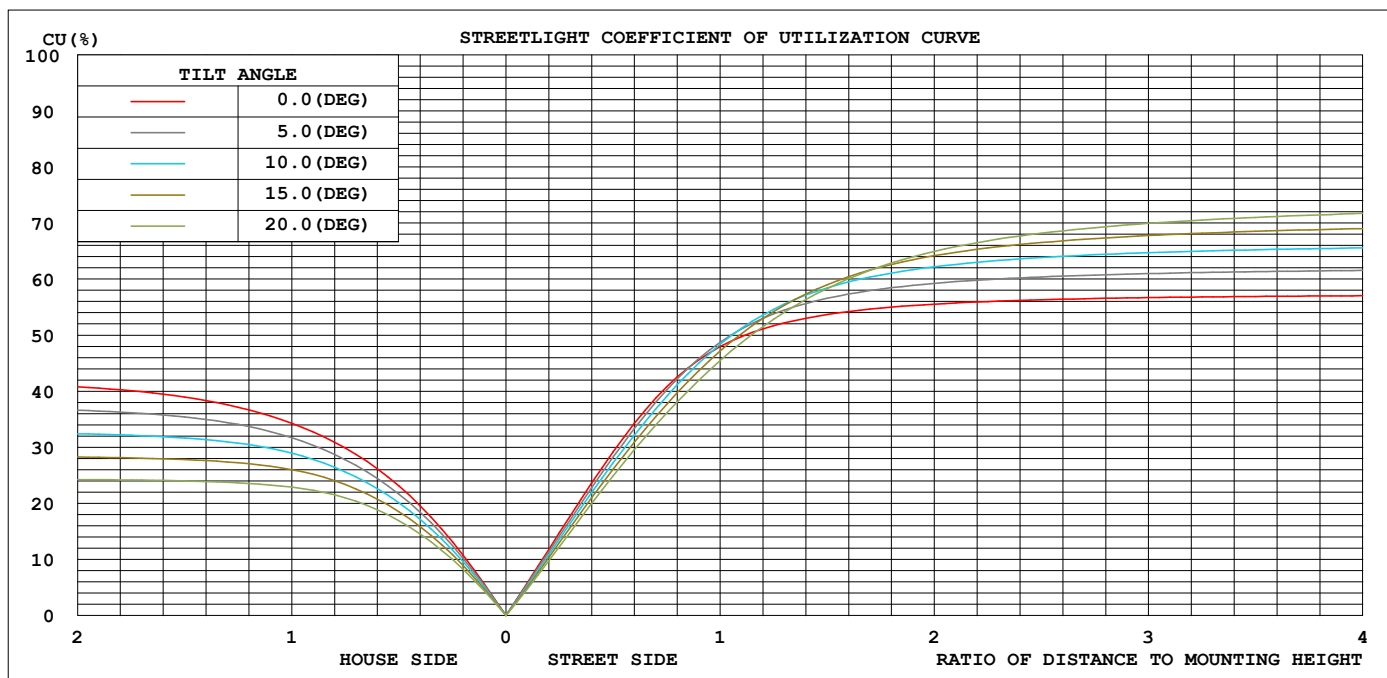
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:126.0cd/klm
Max.At90:0cd/klm
Max.80-90:126.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12043
90%	10839
80%	9635
70%	8430
60%	7226
50%	6022
40%	4817
30%	3613
20%	2409
10%	1204
5%	602

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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: 25.4 °C
Operators: DAMIN
Test Date: 2024-12-29

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:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz Lamp Flux:29128x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

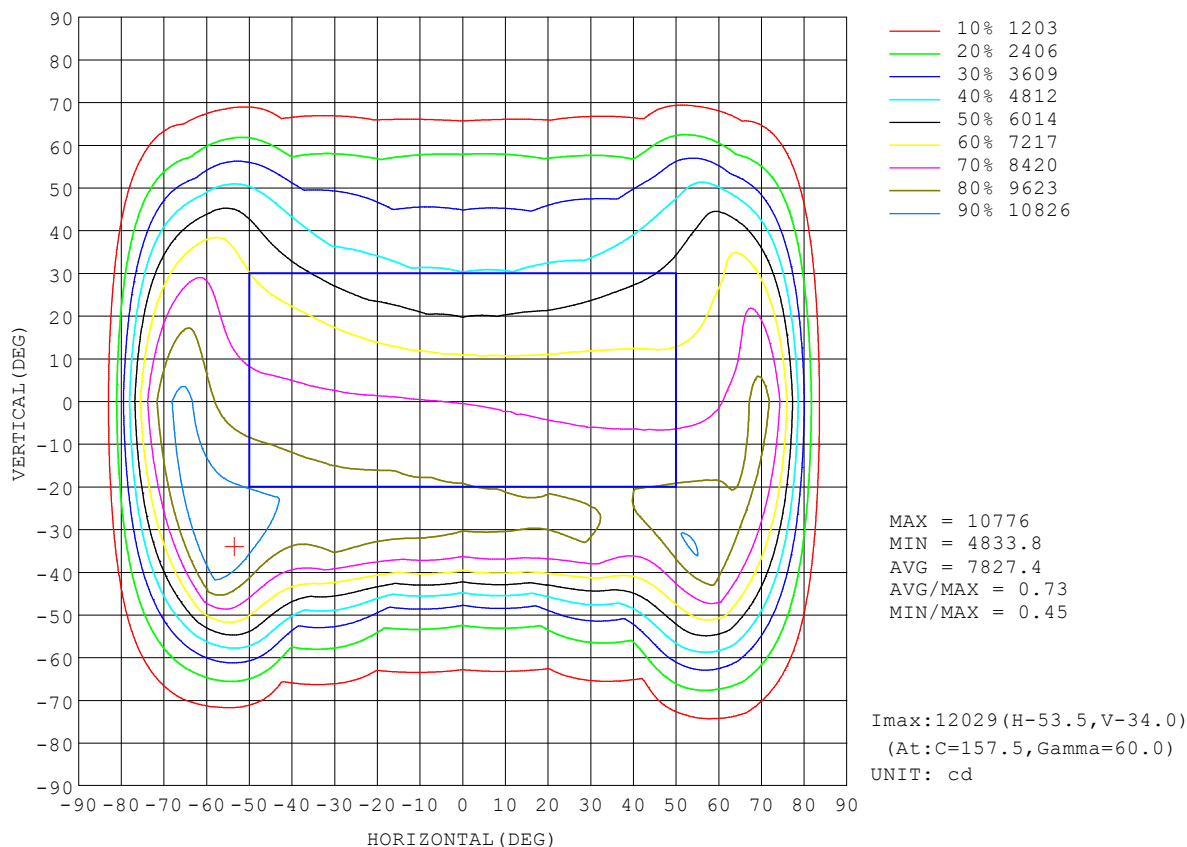
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	825.8	881.2	908.5	896.2	845.6	773.5	730.9	760.9	0- 10	794.6	794.6	2.73,2.73
20	812.7	920.5	965.7	947.9	853.1	695.4	596.6	678.5	10- 20	2318	3112	10.7,10.7
30	802.8	965.7	965.8	1011	861.3	615.9	483.1	591.1	20- 30	3693	6806	23.4,23.4
40	794.8	986.6	704.9	1033	873.5	530.1	395.3	503.1	30- 40	4787	11592	39.9,39.8
50	787.1	768.6	294.5	820.1	890.0	449.8	328.3	419.1	40- 50	5161	16753	57.7,57.5
60	830.9	363.4	142.2	416.1	1003	342.6	205.1	326.8	50- 60	4949	21702	74.7,74.5
70	1004	141.5	72.50	154.2	1028	158.3	77.36	155.4	60- 70	4463	26166	90,89.8
80	367.1	42.12	28.32	39.64	321.9	42.15	30.49	44.19	70- 80	2523	28689	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	371.2	29060	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	29060	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	29060	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	29060	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	29060	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	29060	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	29060	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	29060	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	29060	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	29060	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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

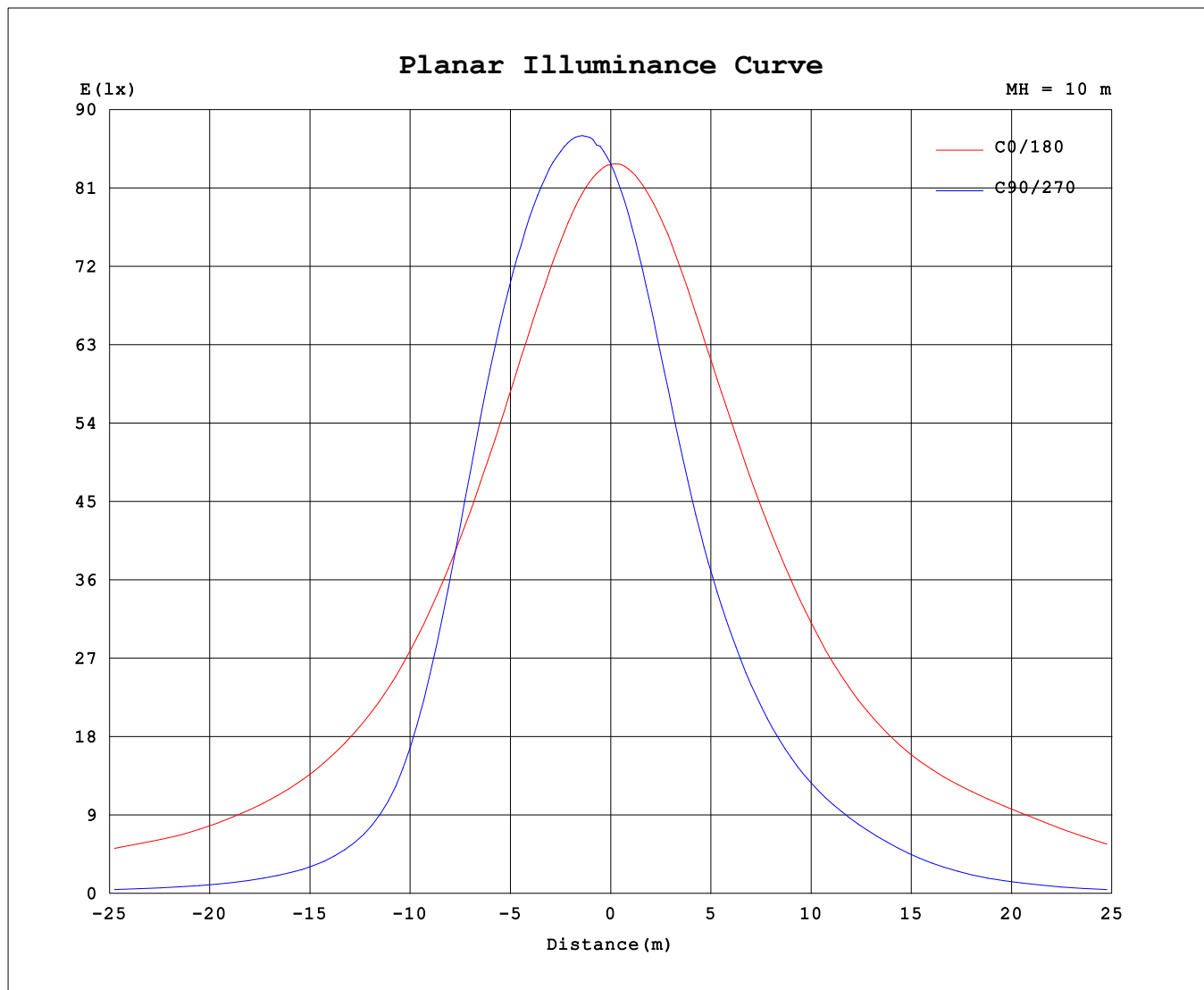
Test:U:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz Lamp Flux:29128x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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



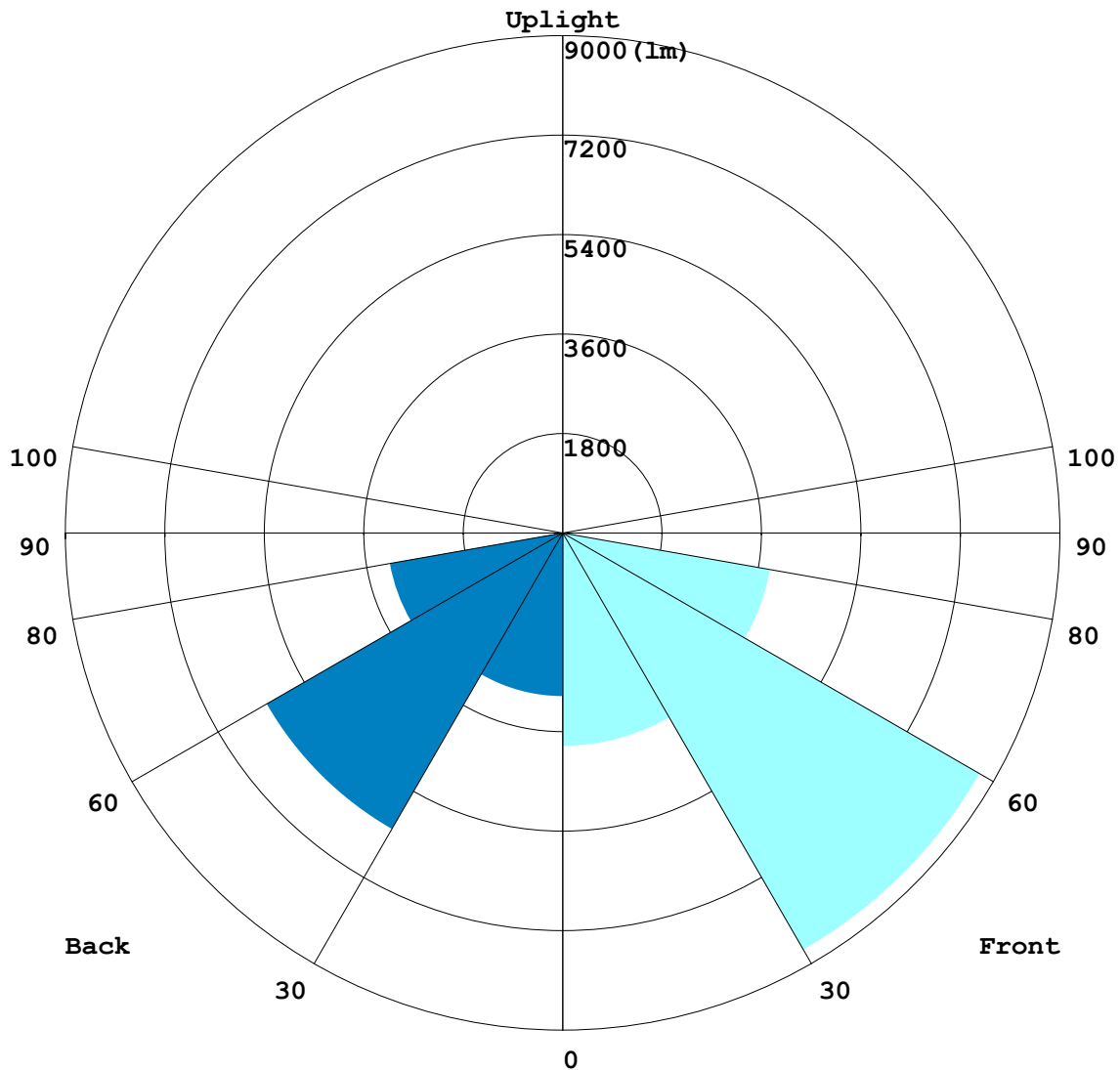
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.4 °C
 Operators: DAMIN
 Test Date: 2024-12-29

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:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz Lamp Flux:29128x1 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: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz Lamp Flux:29128x1 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)	3852.8	13.3
FM - Front-Medium(30-60)	8709	30.0
FH - Front-High(60-80)	3810.9	13.1
FVH - Front-Very High(80-90)	216.38	0.7
Total Forward Light	16589	57.1

BL - Back-Low(0-30)	2953	10.2
BM - Back-Medium(30-60)	6187.7	21.3
BH - Back-High(60-80)	3175.3	10.9
BVH - Back-Very High(80-90)	154.79	0.5
Total Back Light	12471	42.9

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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	12471	0	12471
Street Side	16589	0	16589

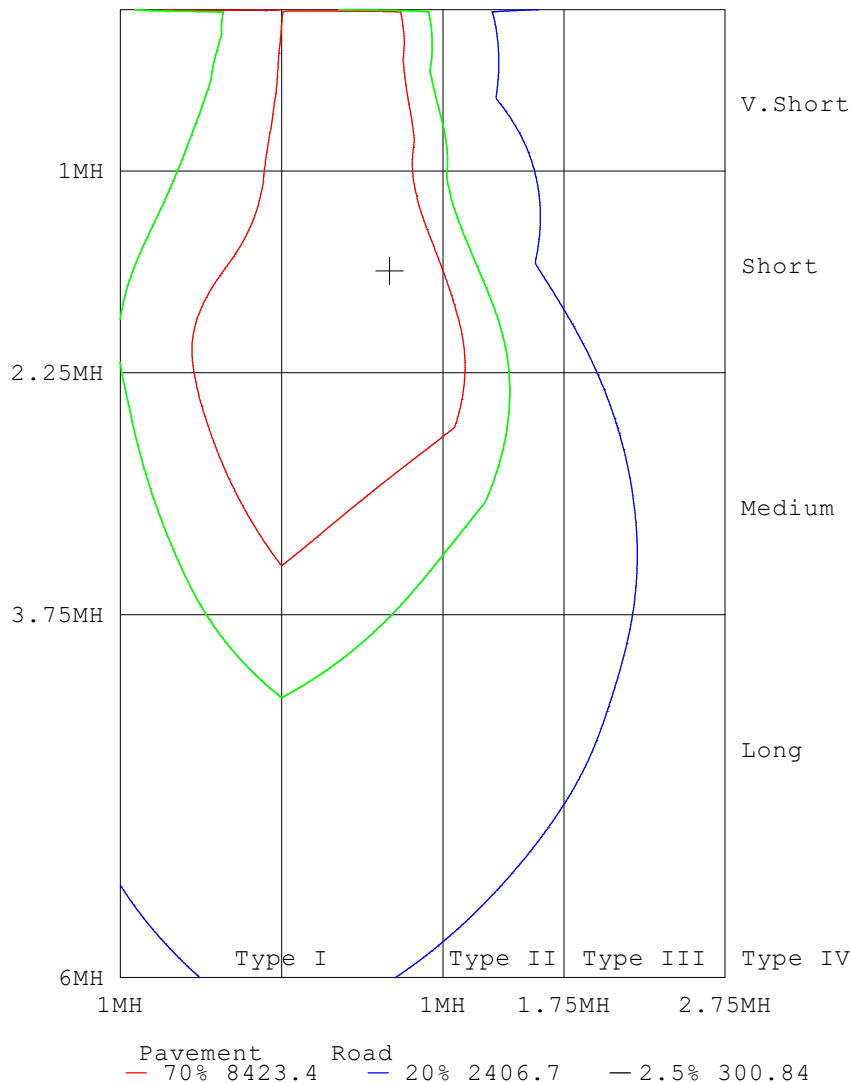
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz Lamp Flux:29128x1 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: 25.4℃
 Operators:DAMIN
 Test Date:2024-12-29

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:118.96V I:1.5792A P:187.64W PF:0.9988 Freq:60.01Hz Lamp Flux:29128x1 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	837	837	837	837	837	837	837	837	837	837	837	837	837	837	837	837			
5	832	847	861	871	875	875	869	857	842	825	808	796	790	792	801	816			
10	826	851	881	900	909	908	896	876	846	810	773	744	731	738	761	793			
15	819	862	901	928	939	938	921	891	850	796	735	685	665	680	721	771			
20	813	868	920	953	966	967	948	906	853	784	695	624	597	619	679	752			
25	808	876	942	973	981	992	979	923	856	773	654	565	534	557	635	733			
30	803	885	966	975	966	996	1011	941	861	764	616	513	483	504	591	716			
35	799	904	988	932	881	950	1035	966	866	757	574	464	437	457	547	701			
40	795	930	987	805	705	814	1033	1003	873	751	530	418	395	413	503	685			
45	789	967	924	589	473	597	967	1055	880	741	490	377	359	374	460	668			
50	787	1013	769	366	295	376	820	1113	890	728	450	339	328	340	419	650			
55	797	1065	556	235	198	244	619	1174	920	726	406	292	281	296	378	639			
60	831	1096	363	162	142	168	416	1204	1003	736	343	220	205	222	327	639			
65	896	1042	230	116	106	119	260	1145	1111	707	251	148	131	149	242	636			
70	1004	863	141	83.6	72.5	84.4	154	874	1028	536	158	93.5	77.4	92.9	155	563			
75	801	547	85.0	53.5	46.1	52.8	86.7	461	763	291	92.6	56.6	50.3	56.5	93.3	313			
80	367	249	42.1	29.5	28.3	29.1	39.6	181	322	116	42.1	31.2	30.5	31.4	44.2	124			
85	59.8	66.3	13.6	11.4	12.4	11.2	12.2	42.6	47.0	25.7	9.49	9.77	10.1	10.3	10.5	30.2			
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: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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: