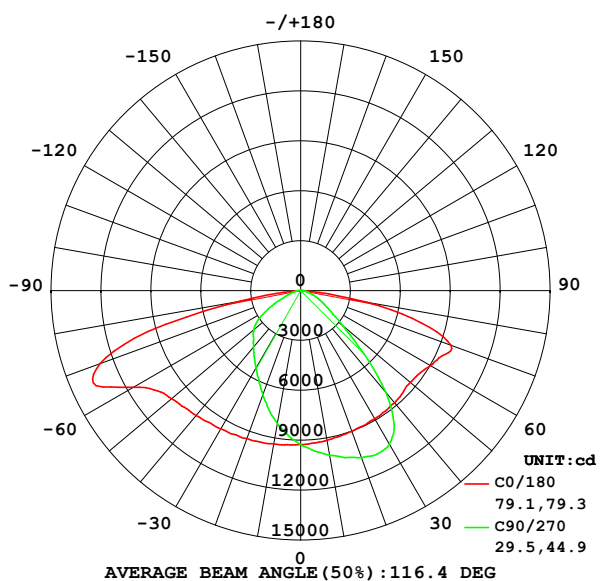
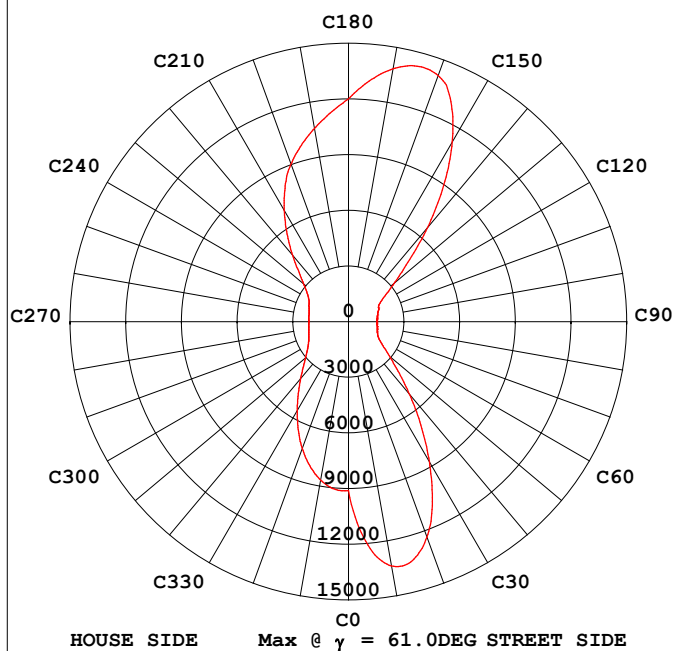


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.31 lm/W			
MODEL	AL-300WS-3CS-T2	Imax (cd)	13800	η street_up (%)	0.0
NOMINAL POWER (W)	240	LOR (%)	99.8	η street_down (%)	56.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	32518	η house_up (%)	0.0
NOMINAL FLUX (lm)	32595.1	MAXIMUM @ (C, γ)	158,61.0	η house_down (%)	43.3
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.8	SLI	25.587

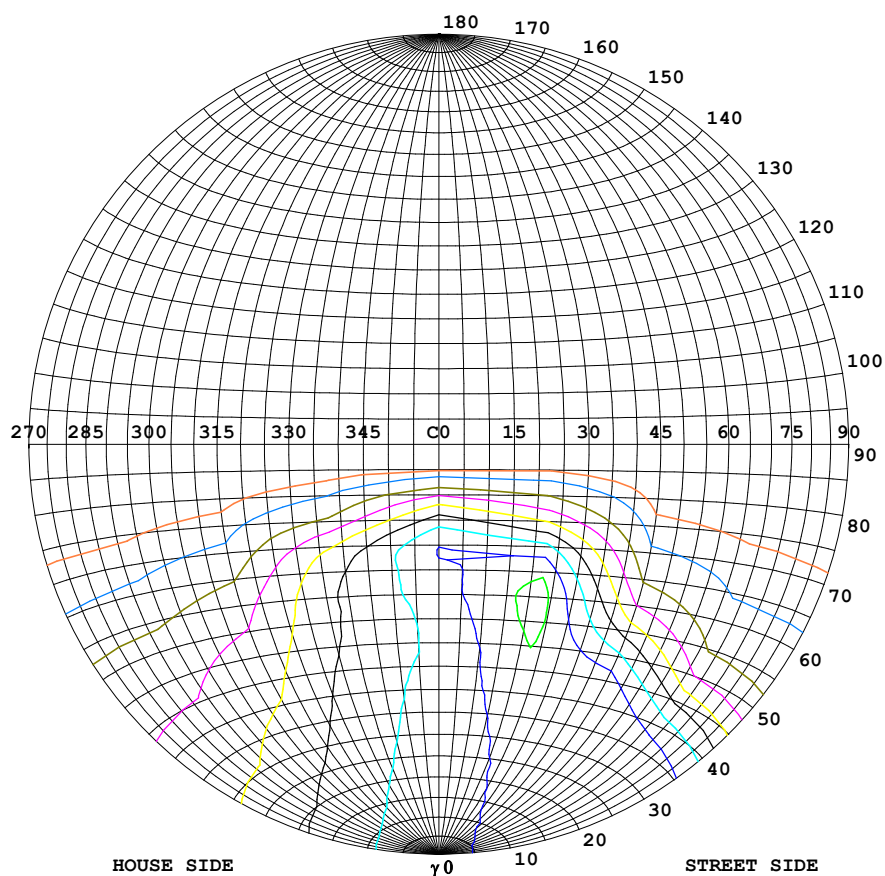
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



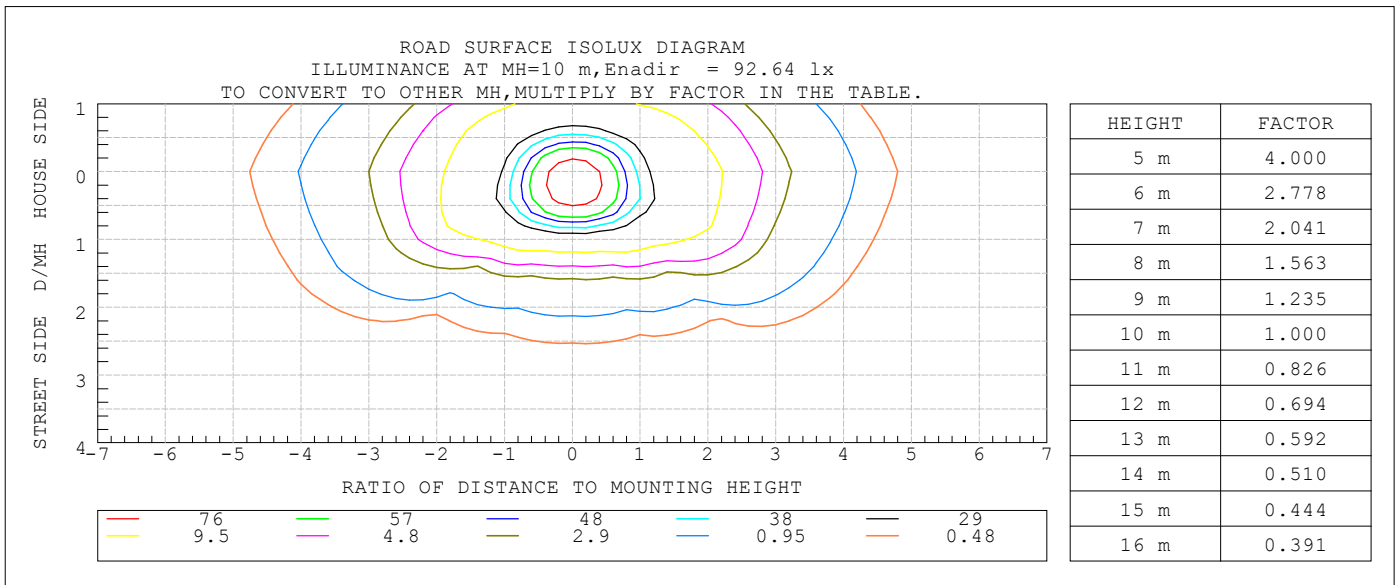
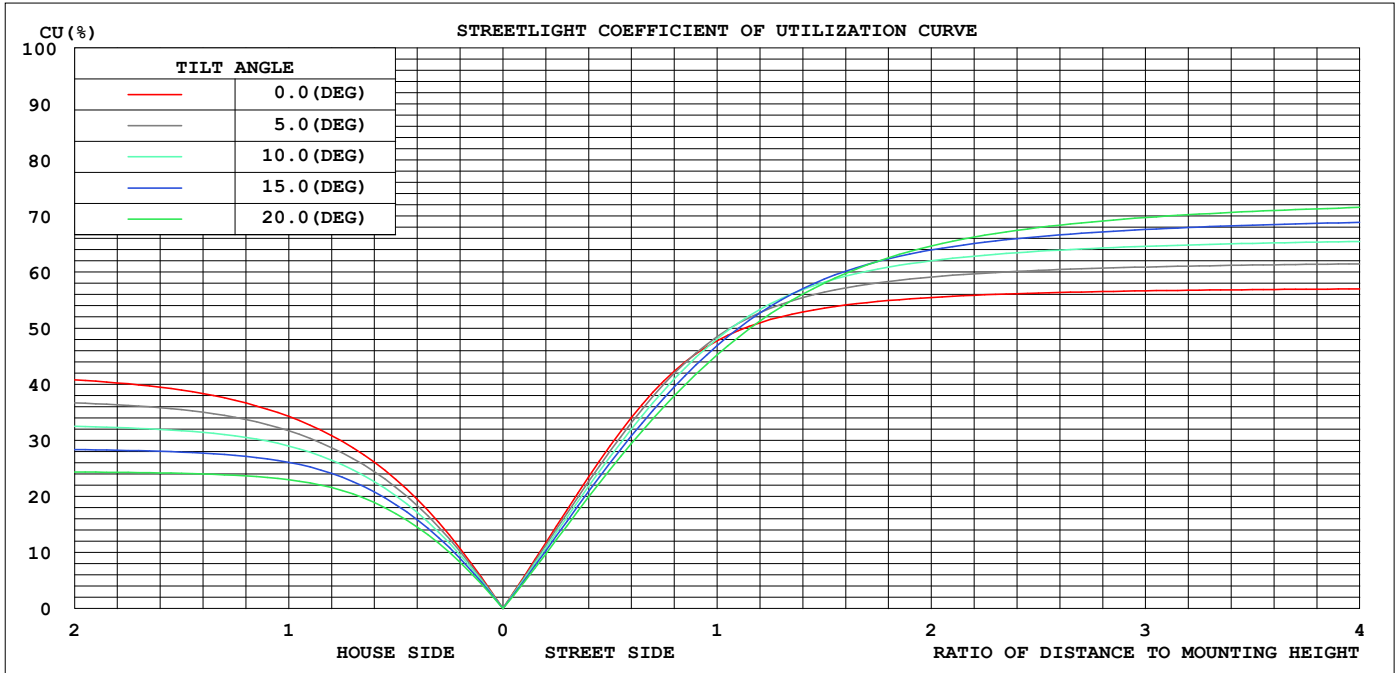
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:123.4cd/klm
Max.At90:0cd/klm
Max.80-90:123.4cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		13800
90%		12420
80%		11040
70%		9660
60%		8280
50%		6900
40%		5520
30%		4140
20%		2760
10%		1380
5%		690

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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: HIGH
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:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

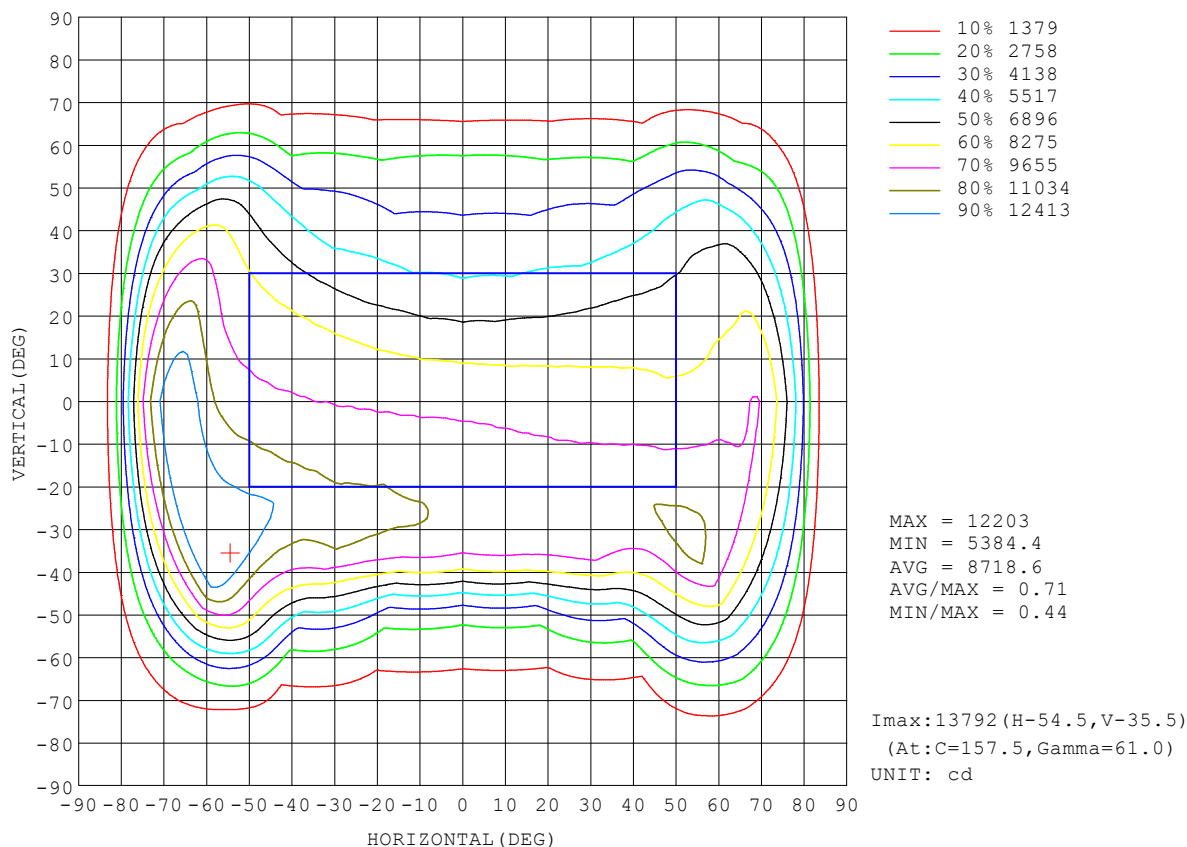
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	914.0	974.9	1005	992.9	936.2	860.5	811.5	842.7	0- 10	880.1	880.1	2.71,2.7
20	901.3	1017	1068	1056	947.0	779.2	666.3	752.8	10- 20	2573	3453	10.6,10.6
30	890.3	1066	1068	1127	959.8	695.3	538.0	659.5	20- 30	4110	7563	23.3,23.2
40	880.4	1092	793.2	1158	980.3	604.5	441.1	562.4	30- 40	5340	12903	39.7,39.6
50	861.0	857.6	334.7	937.4	1014	512.4	368.0	469.6	40- 50	5784	18687	57.5,57.3
60	903.4	415.4	160.9	493.7	1165	396.7	230.7	360.7	50- 60	5562	24249	74.6,74.4
70	960.3	157.7	81.14	189.2	1284	189.3	87.09	167.5	60- 70	5026	29275	90,89.8
80	402.2	43.33	31.70	49.58	364.5	53.88	34.47	46.03	70- 80	2820	32095	98.7,98.5
90	0	0	0	0	0	0	0	0	80- 90	423.5	32518	100,99.8
100	0	0	0	0	0	0	0	0	90-100	0	32518	100,99.8
110	0	0	0	0	0	0	0	0	100-110	0	32518	100,99.8
120	0	0	0	0	0	0	0	0	110-120	0	32518	100,99.8
130	0	0	0	0	0	0	0	0	120-130	0	32518	100,99.8
140	0	0	0	0	0	0	0	0	130-140	0	32518	100,99.8
150	0	0	0	0	0	0	0	0	140-150	0	32518	100,99.8
160	0	0	0	0	0	0	0	0	150-160	0	32518	100,99.8
170	0	0	0	0	0	0	0	0	160-170	0	32518	100,99.8
180	0	0	0	0	0	0	0	0	170-180	0	32518	100,99.8
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

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

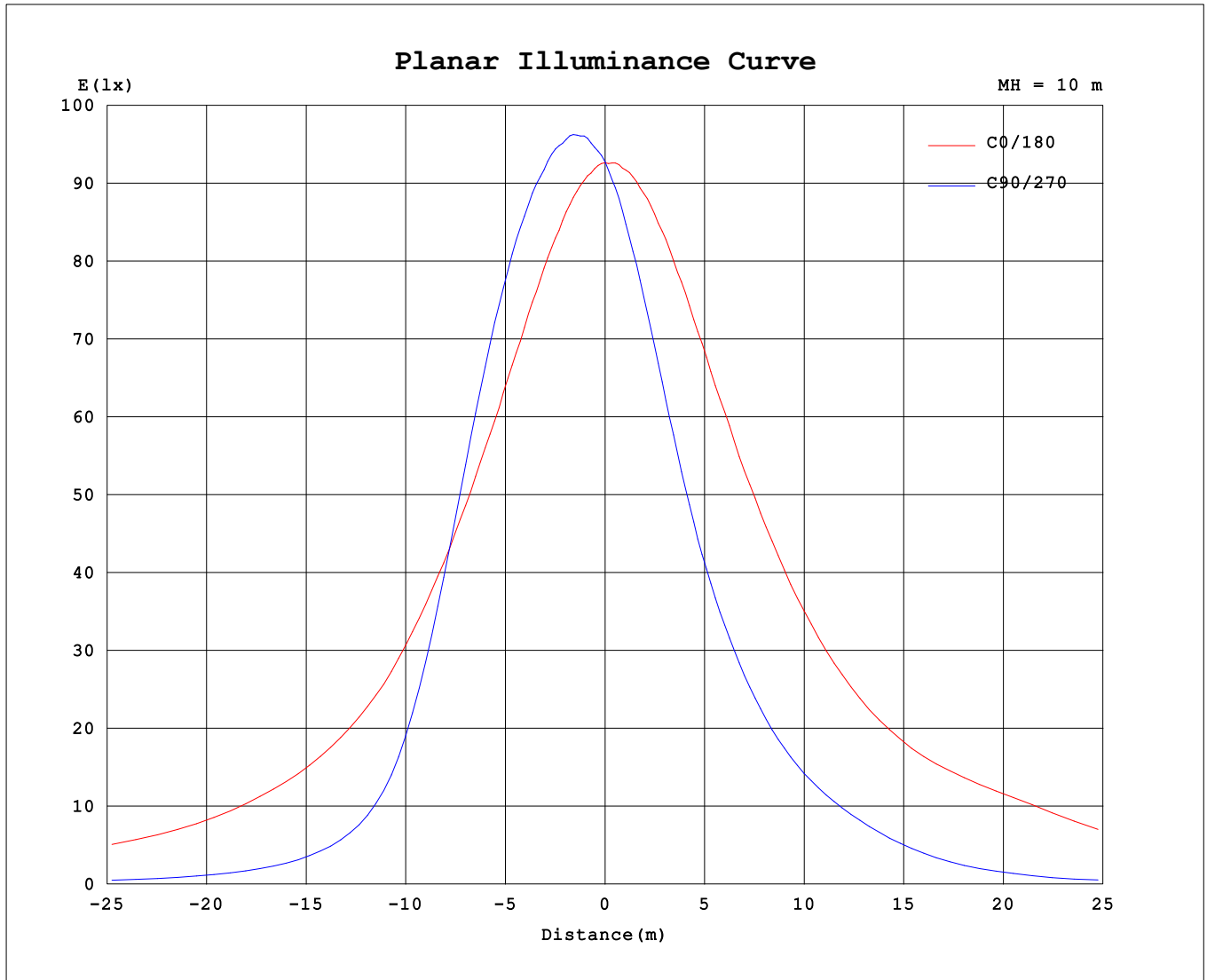
Test:U:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



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



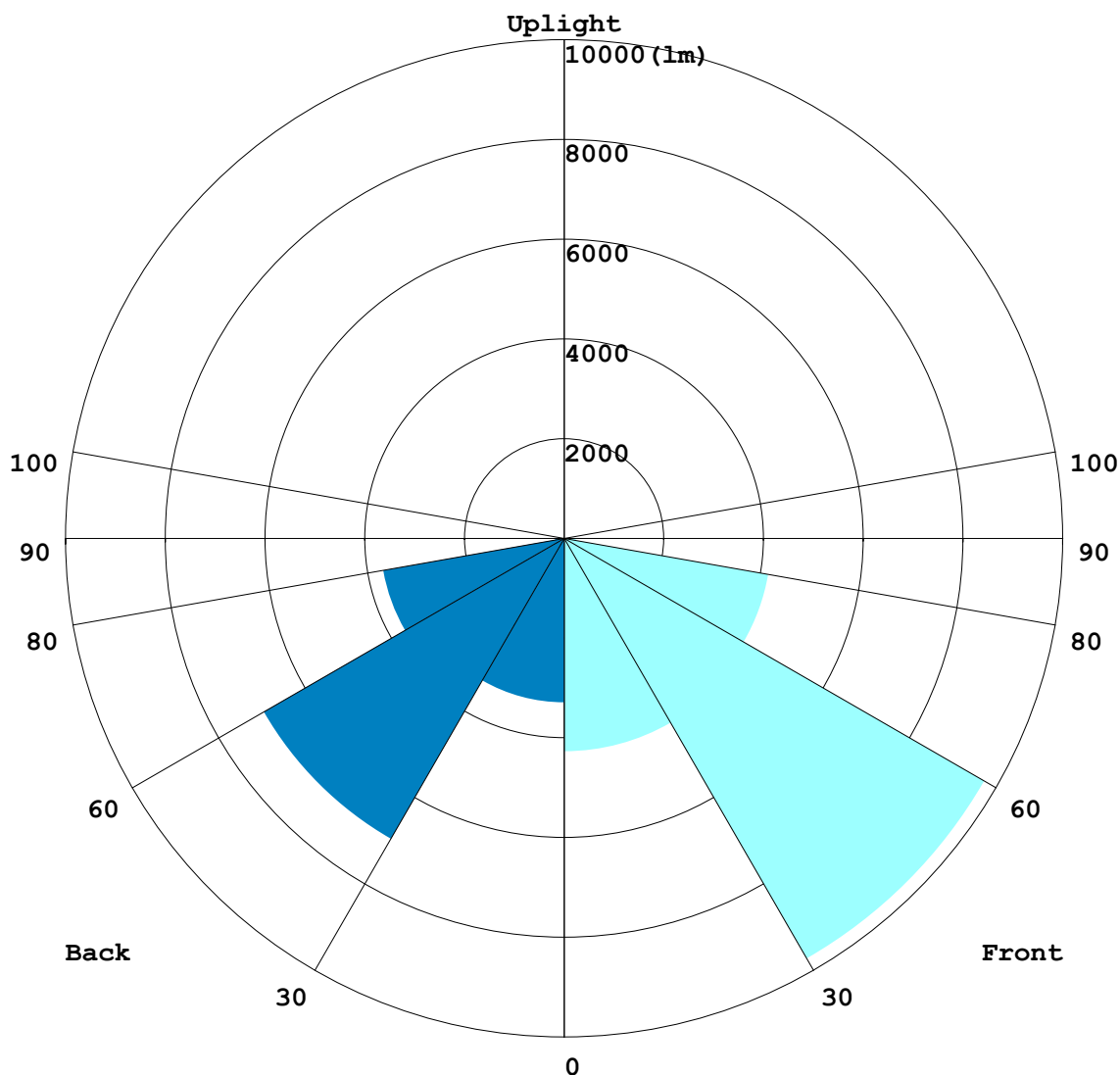
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.4℃
 Operators:DAMIN
 Test Date:2024-12-29

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:

LCS REPORT

Test:U:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 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: 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:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 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)	4273.4	13.1
FM - Front-Medium(30-60)	9731.1	29.9
FH - Front-High(60-80)	4159.5	12.8
FVH - Front-Very High(80-90)	241.08	0.7
Total Forward Light	18405	56.6

BL - Back-Low(0-30)	3289.7	10.1
BM - Back-Medium(30-60)	6954.5	21.4
BH - Back-High(60-80)	3686.7	11.3
BVH - Back-Very High(80-90)	182.43	0.6
Total Back Light	14113	43.4

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14113	0	14113
Street Side	18405	0	18405

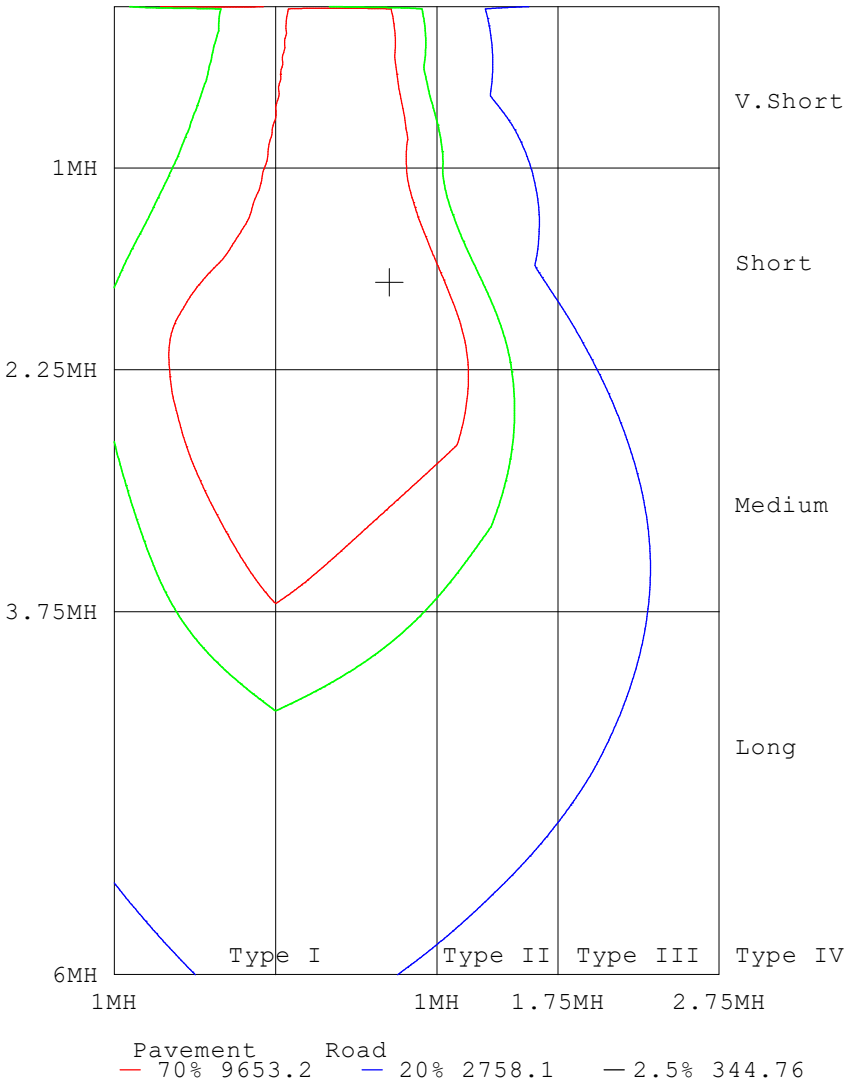
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.4℃
Operators:DAMIN
Test Date:2024-12-29

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:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 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: 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:118.84V I:1.9935A P:236.83W PF:0.9997 Freq:60.01Hz Lamp Flux:32595.1x1 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	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927			
5	920	940	954	964	968	967	961	945	930	914	898	882	874	876	886	903			
10	914	948	975	997	1005	1004	993	966	936	903	861	827	812	819	843	875			
15	907	956	999	1028	1039	1041	1022	985	942	887	820	765	742	755	799	852			
20	901	967	1017	1056	1068	1072	1056	1006	947	878	779	699	666	689	753	832			
25	896	976	1041	1076	1086	1100	1093	1028	954	867	738	635	595	621	708	811			
30	890	990	1066	1079	1068	1106	1127	1051	960	860	695	575	538	563	660	791			
35	885	1010	1095	1030	979	1058	1155	1081	966	854	651	521	488	510	611	775			
40	880	1038	1092	896	793	916	1158	1125	980	848	605	470	441	462	562	756			
45	869	1076	1024	665	539	681	1091	1183	992	840	557	423	402	418	515	735			
50	861	1111	858	415	335	432	937	1259	1014	835	512	383	368	381	470	709			
55	871	1155	629	266	226	280	721	1330	1053	837	467	329	315	333	420	694			
60	903	1171	415	182	161	192	494	1377	1165	858	397	250	231	251	361	690			
65	934	1077	262	130	120	135	313	1357	1356	860	293	169	148	167	268	659			
70	960	869	158	93.1	81.1	96.5	189	1083	1284	681	189	107	87.1	103	168	542			
75	752	546	90.3	58.8	51.7	60.4	107	600	954	371	116	65.6	56.7	62.3	96.1	306			
80	402	273	43.3	32.1	31.7	33.6	49.6	218	365	135	53.9	36.6	34.5	34.2	46.0	136			
85	56.9	63.8	13.5	11.6	13.7	13.4	15.0	55.2	68.7	33.4	12.3	12.4	11.7	10.7	10.7	30.6			
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: 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: