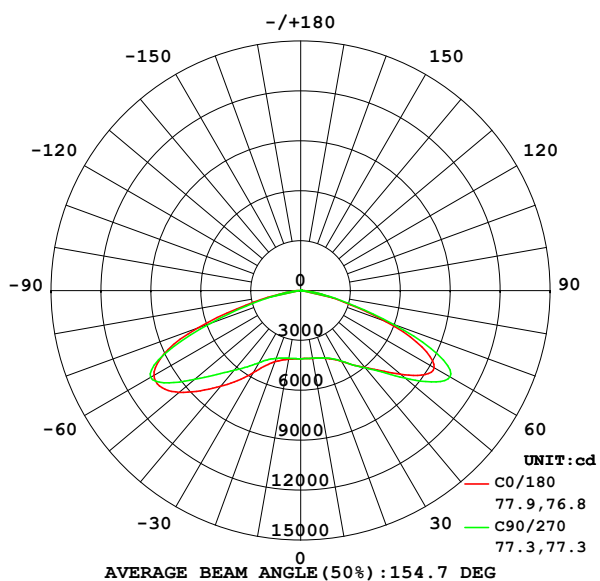
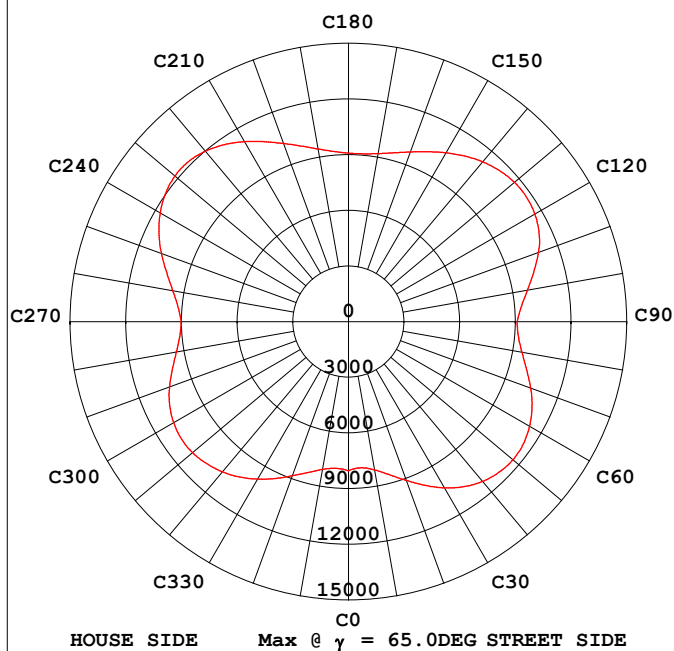


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.33 lm/W			
MODEL	AL-300WS-3CS	Imax(cd)	12208	η street_up(%)	0.2
NOMINAL POWER(W)	300	LOR(%)	100.0	η street_down(%)	49.4
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	37277	η house_up(%)	0.1
NOMINAL FLUX(lm)	37276.7	MAXIMUM @ (C, γ)	225,65.0	η house_down(%)	50.3
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.7	SLI	23.797

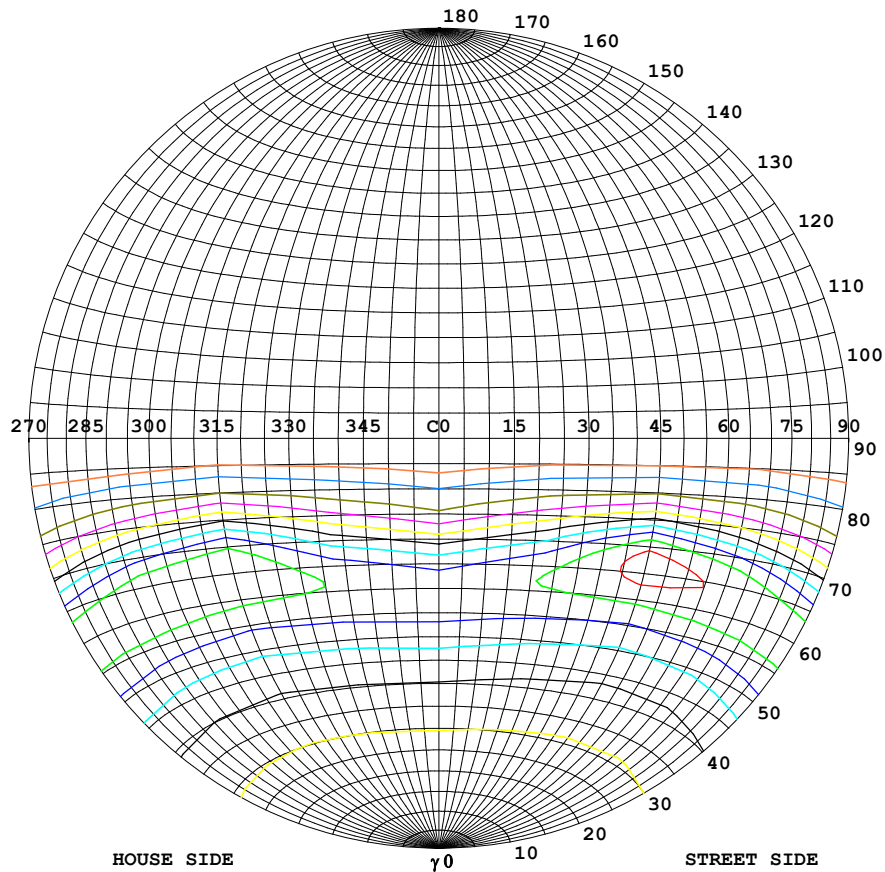
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



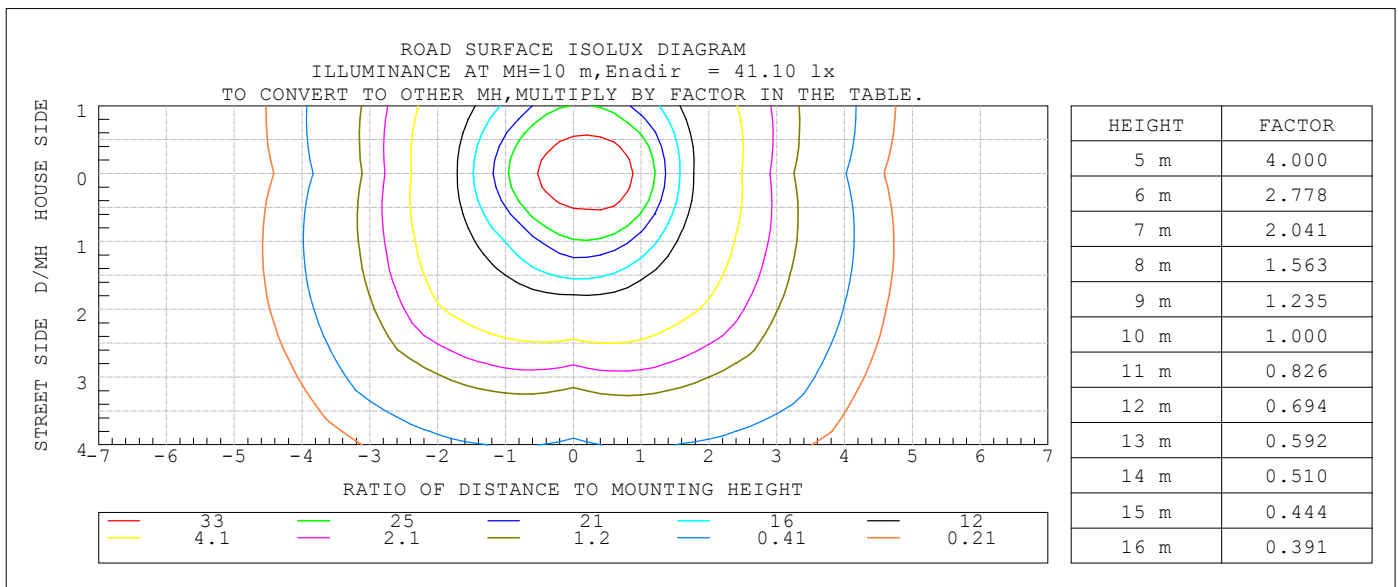
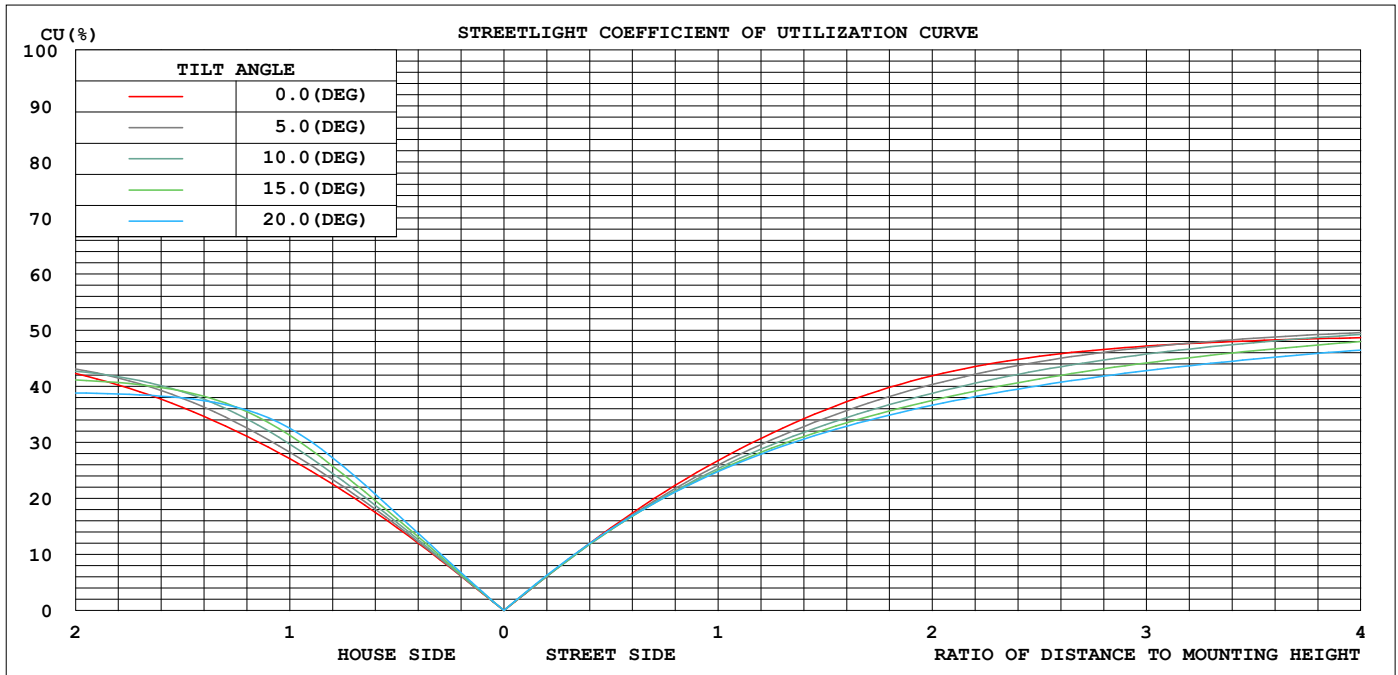
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:81.69cd/klm
Max.At90:0.6408cd/klm
Max.80-90:81.69cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12208
90%	10987
80%	9767
70%	8546
60%	7325
50%	6104
40%	4883
30%	3662
20%	2442
10%	1221
5%	610

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5°C
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:

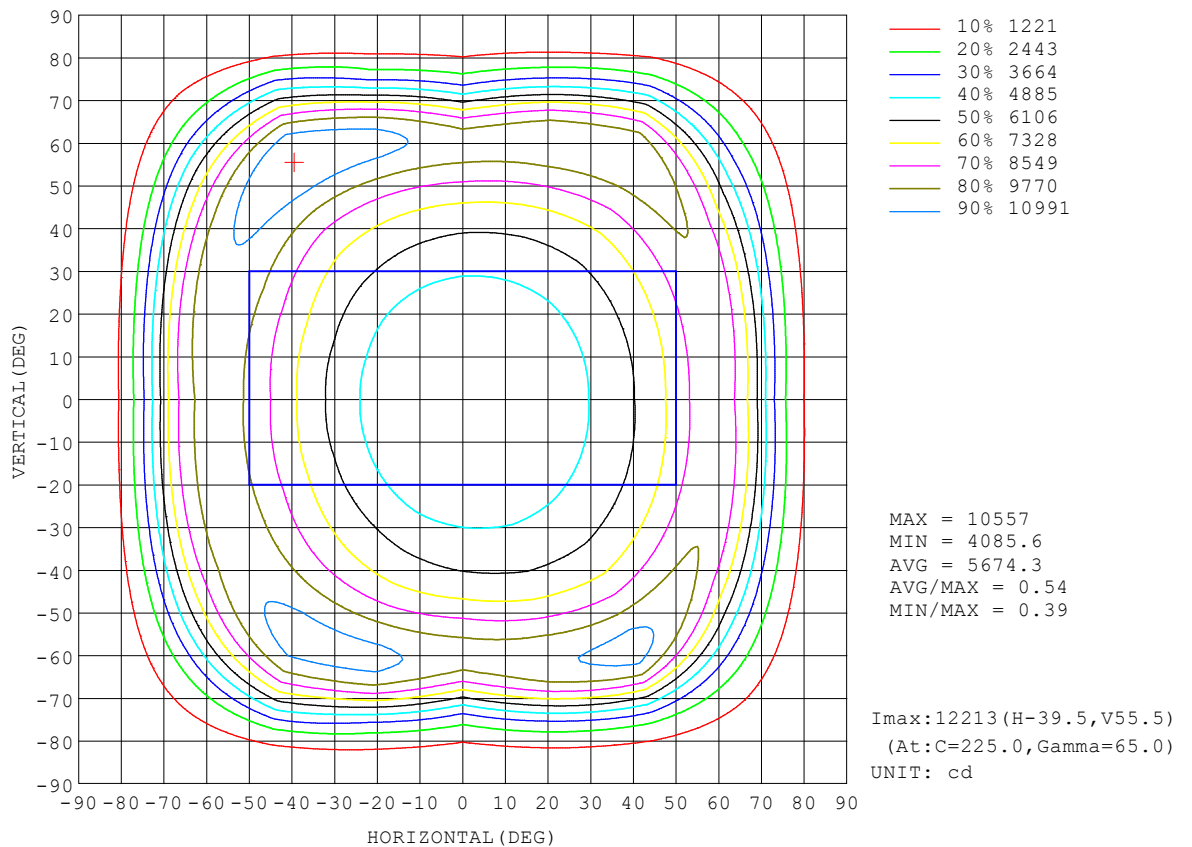
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	414.3	413.0	413.7	416.9	419.5	417.2	413.9	412.6	0- 10	393.5	393.5	1.06,1.06
20	433.9	430.2	431.9	445.6	456.3	445.7	434.6	430.8	10- 20	1207	1601	4.29,4.29
30	491.3	476.8	488.9	534.1	570.4	531.0	500.9	487.2	20- 30	2176	3777	10.1,10.1
40	605.0	575.6	607.4	691.9	752.9	681.6	626.5	598.4	30- 40	3632	7409	19.9,19.9
50	782.3	718.1	819.4	878.2	951.5	867.9	831.4	758.0	40- 50	5646	13055	35,35
60	927.3	1007	1038	1114	1019	1154	1042	1006	50- 60	8494	21548	57.8,57.8
70	545.7	1064	592.4	1018	660.3	1067	579.8	964.9	60- 70	9798	31346	84.1,84.1
80	121.8	235.6	129.4	304.5	135.2	292.6	126.7	243.4	70- 80	5082	36428	97.7,97.7
90	1.375	2.095	1.313	2.389	0.5668	0.7358	0.3831	0.6456	80- 90	744.4	37172	99.7,99.7
100	1.911	2.167	1.787	1.971	0.2563	0.3281	0.2973	0.3129	90-100	11.50	37184	99.8,99.8
110	2.382	2.359	1.961	2.093	0.7497	0.7183	0.9184	0.7147	100-110	13.50	37197	99.8,99.8
120	2.407	2.109	1.977	2.085	1.598	1.762	2.013	1.581	110-120	17.17	37215	99.8,99.8
130	2.250	2.058	2.017	1.922	1.869	2.117	2.353	2.088	120-130	18.50	37233	99.9,99.9
140	2.142	2.071	1.984	1.843	1.734	1.702	1.968	1.951	130-140	15.51	37249	99.9,99.9
150	1.998	2.034	1.981	1.817	1.637	1.564	1.678	1.773	140-150	11.55	37260	100,100
160	2.096	2.121	2.043	1.947	1.845	1.664	1.748	1.800	150-160	8.492	37269	100,100
170	2.254	2.180	2.059	2.099	2.455	2.229	2.213	2.420	160-170	5.844	37274	100,100
180	2.447	2.270	2.222	2.440	2.498	2.309	2.259	2.473	170-180	2.236	37277	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

ISOCANDELA DIAGRAM

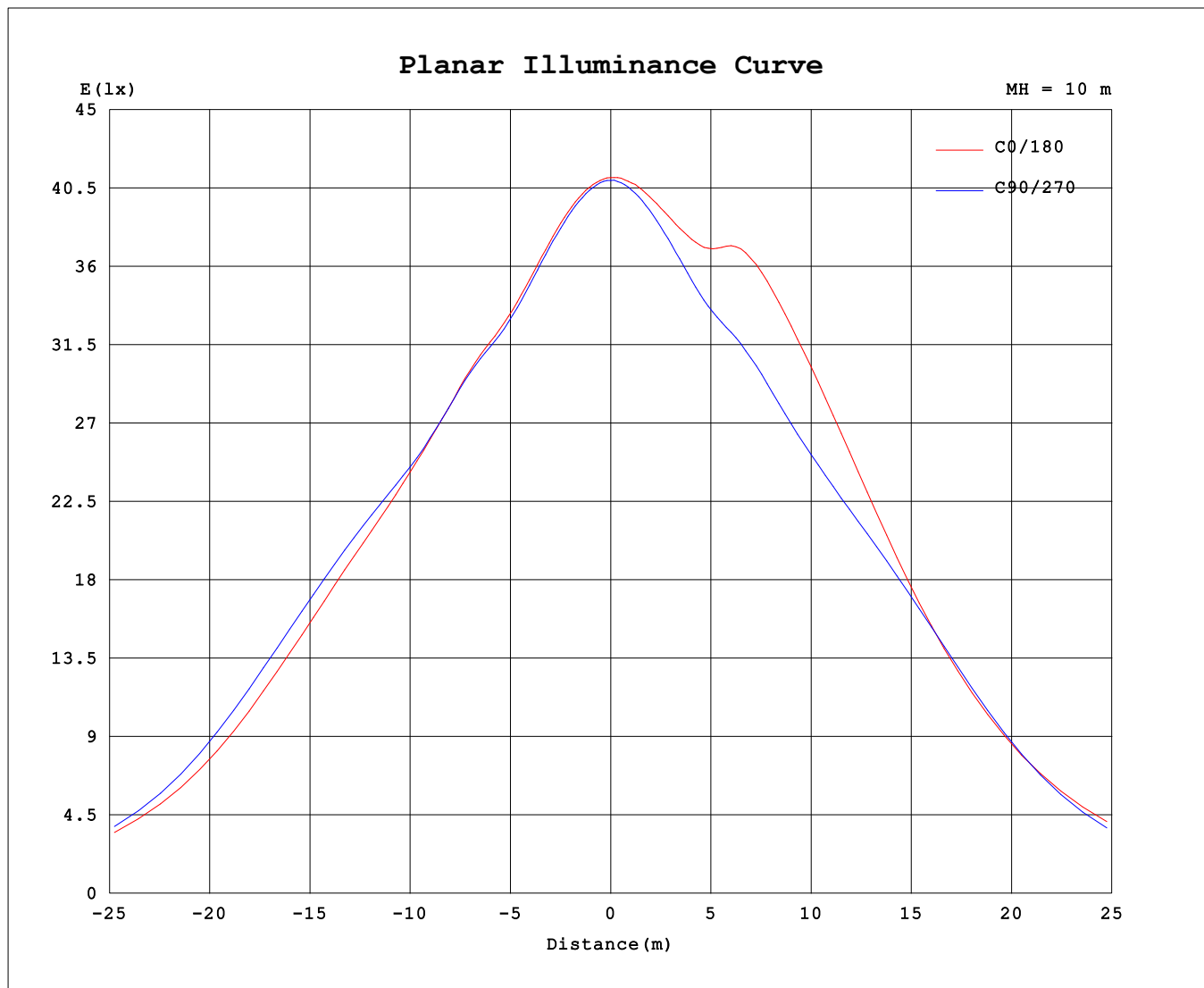
Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tamlite lighting	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5°C
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

Planar Illuminance Curve



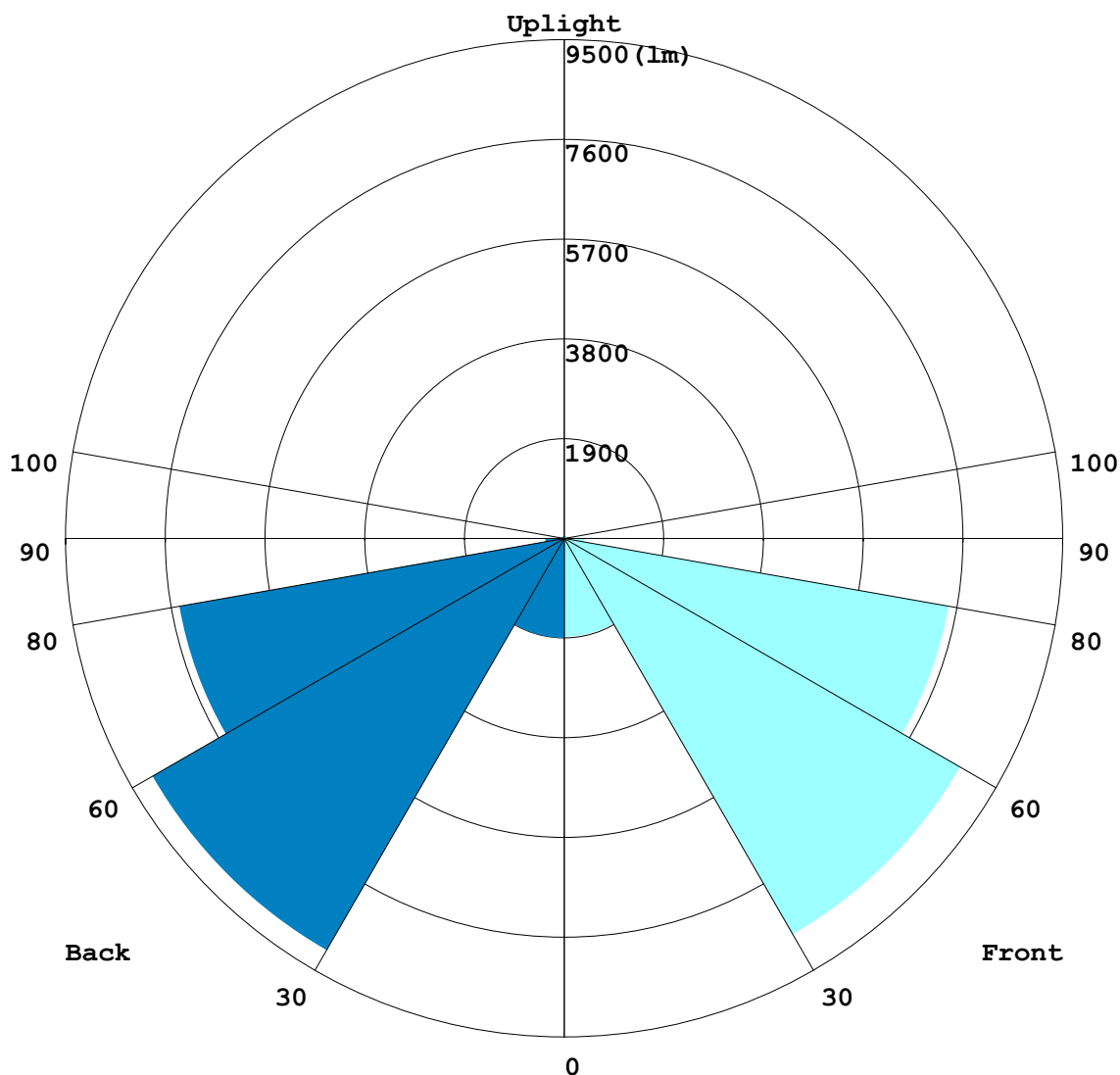
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.5℃
 Operators:DAMIN
 Test Date:2024-04-24

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=0.4205]
 Remarks:

LCS REPORT

Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 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: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

BUG REPORT

Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 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)	1876	5.0
FM - Front-Medium(30-60)	8712.7	23.4
FH - Front-High(60-80)	7436.9	20.0
FVH - Front-Very High(80-90)	387.62	1.0
Total Forward Light	18477	49.6

BL - Back-Low(0-30)	1900.9	5.1
BM - Back-Medium(30-60)	9058.7	24.3
BH - Back-High(60-80)	7442.7	20.0
BVH - Back-Very High(80-90)	356.78	1.0
Total Back Light	18800	50.4

UL - Uplight-Low(90-100)	11.5	0.0
UH - Uplight-High(100-180)	92.807	0.2
Total Up Light	104.31	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	18759	40.652	18800
Street Side	18413	63.656	18477

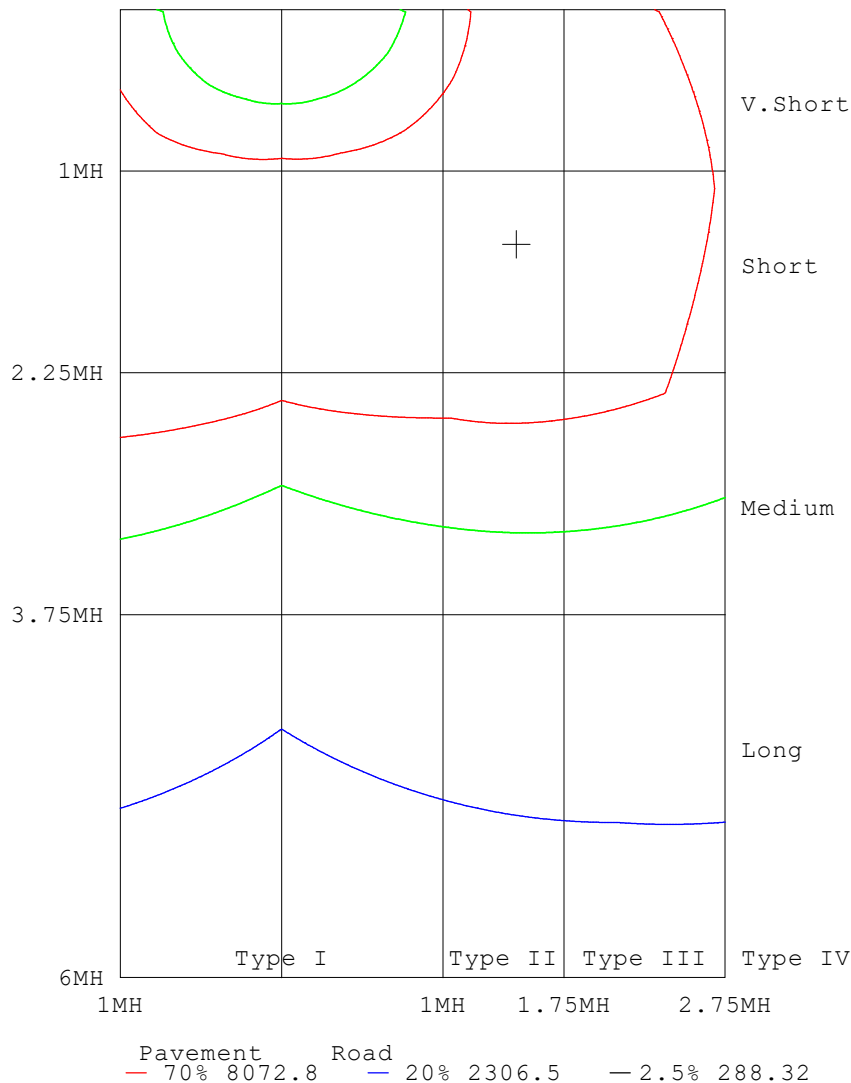
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 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: 25.5°C
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.54V I:2.5225A P:297.42W PF:0.9947 Freq:60.01Hz Lamp Flux:37276.7x1 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	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410			
5	410	410	410	410	410	411	412	413	412	413	412	411	411	410	410	410			
10	414	414	413	412	414	414	417	419	420	419	417	415	414	413	413	413			
15	422	421	419	418	420	423	427	431	433	432	427	424	421	420	419	420			
20	434	432	430	429	432	436	446	453	456	454	446	439	435	432	431	432			
25	455	451	448	446	452	461	478	493	497	493	477	466	458	454	451	453			
30	491	484	477	477	489	505	534	562	570	561	531	514	501	493	487	491			
35	545	533	523	525	545	572	615	652	661	647	608	579	560	548	541	545			
40	605	588	576	579	607	642	692	737	753	731	682	650	627	609	598	605			
45	682	656	633	648	693	723	772	831	853	825	760	734	713	686	664	678			
50	782	748	718	756	819	839	878	931	952	934	868	850	831	792	758	773			
55	887	866	843	901	958	984	1002	1015	1019	1036	1009	995	967	929	880	887			
60	927	964	1007	1044	1038	1109	1114	1050	1019	1090	1154	1122	1042	1051	1006	967			
65	804	941	1148	1070	910	1115	1151	992	909	1045	1221	1101	902	1047	1082	908			
70	546	733	1064	850	592	884	1018	807	660	853	1067	816	580	808	965	679			
75	269	432	638	469	294	490	695	517	344	545	679	425	295	451	600	399			
80	122	196	236	195	129	204	304	212	135	218	293	175	127	193	243	182			
85	33.7	57.6	60.1	58.9	44.2	71.3	73.6	63.2	41.3	55.5	70.4	47.5	31.3	38.5	64.3	50.6			
90	1.38	1.77	2.10	1.72	1.31	1.71	2.39	1.82	0.57	0.68	0.74	0.50	0.38	0.57	0.65	0.50			
95	1.59	1.85	2.05	1.79	1.49	1.75	1.95	1.69	0.22	0.30	0.33	0.26	0.23	0.28	0.32	0.25			
100	1.91	2.07	2.17	1.94	1.79	1.91	1.97	1.80	0.26	0.31	0.33	0.28	0.30	0.32	0.31	0.26			
105	2.21	2.25	2.30	2.07	1.99	1.92	2.04	1.89	0.44	0.52	0.45	0.43	0.52	0.49	0.44	0.41			
110	2.38	2.37	2.36	2.20	1.96	2.03	2.09	1.93	0.75	0.82	0.72	0.79	0.92	0.77	0.71	0.66			
115	2.45	2.45	2.27	2.39	2.00	2.16	2.15	1.93	1.17	1.21	1.16	1.40	1.50	1.33	1.11	1.09			
120	2.41	2.40	2.11	2.37	1.98	2.19	2.08	1.88	1.60	1.62	1.76	1.95	2.01	1.91	1.58	1.66			
125	2.33	2.32	2.05	2.27	2.05	2.16	2.00	1.78	1.77	1.84	2.12	2.22	2.30	2.15	1.96	2.02			
130	2.25	2.20	2.06	2.18	2.02	2.04	1.92	1.70	1.87	1.94	2.12	2.21	2.35	2.20	2.09	2.11			
135	2.22	2.06	2.08	2.13	2.02	2.01	1.89	1.70	1.83	1.89	1.87	2.02	2.19	2.11	2.05	2.00			
140	2.14	1.95	2.07	2.08	1.98	1.97	1.84	1.67	1.73	1.78	1.70	1.84	1.97	1.99	1.95	1.84			
145	2.04	1.88	2.02	2.05	1.94	1.93	1.80	1.66	1.68	1.68	1.60	1.69	1.78	1.86	1.84	1.74			
150	2.00	1.92	2.03	2.08	1.98	1.96	1.82	1.69	1.64	1.63	1.56	1.64	1.68	1.74	1.77	1.69			
155	2.04	2.03	2.09	2.14	2.03	2.01	1.87	1.76	1.68	1.65	1.59	1.64	1.66	1.69	1.74	1.68			
160	2.10	2.15	2.12	2.15	2.04	2.04	1.95	1.84	1.85	1.75	1.66	1.71	1.75	1.72	1.80	1.81			
165	2.14	2.22	2.14	2.15	2.03	2.07	1.98	1.92	2.19	2.09	1.99	2.05	2.02	2.04	2.18	2.20			
170	2.25	2.33	2.18	2.18	2.06	2.12	2.10	2.09	2.45	2.37	2.23	2.25	2.21	2.27	2.42	2.42			
175	2.33	2.48	2.30	2.30	2.24	2.30	2.35	2.35	2.55	2.58	2.40	2.43	2.38	2.46	2.55	2.55			
180	2.45	2.48	2.27	2.25	2.22	2.33	2.44	2.48	2.50	2.52	2.31	2.30	2.26	2.37	2.47	2.53			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.5℃
Operators:DAMIN
Test Date:2024-04-24

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=0.4205]
Remarks: