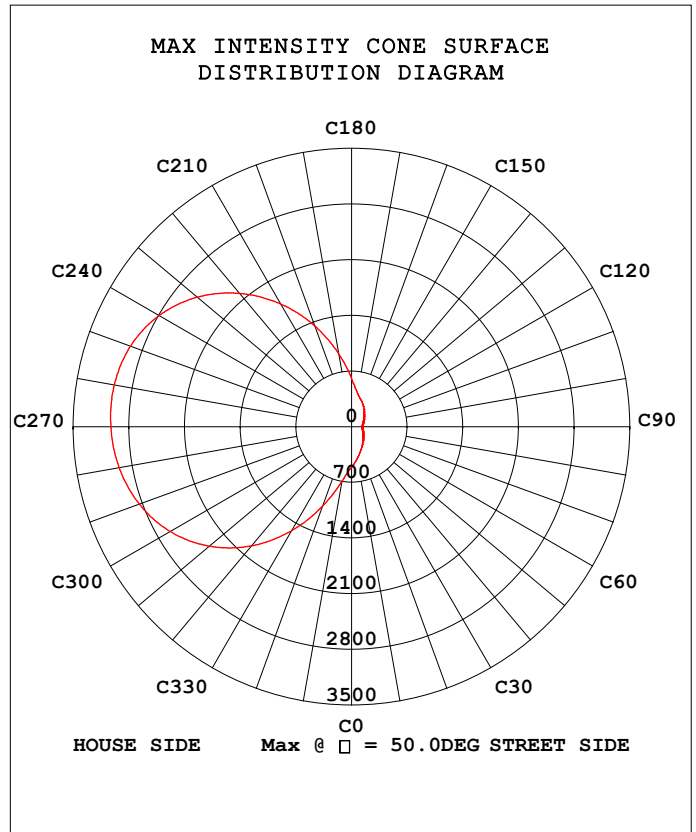
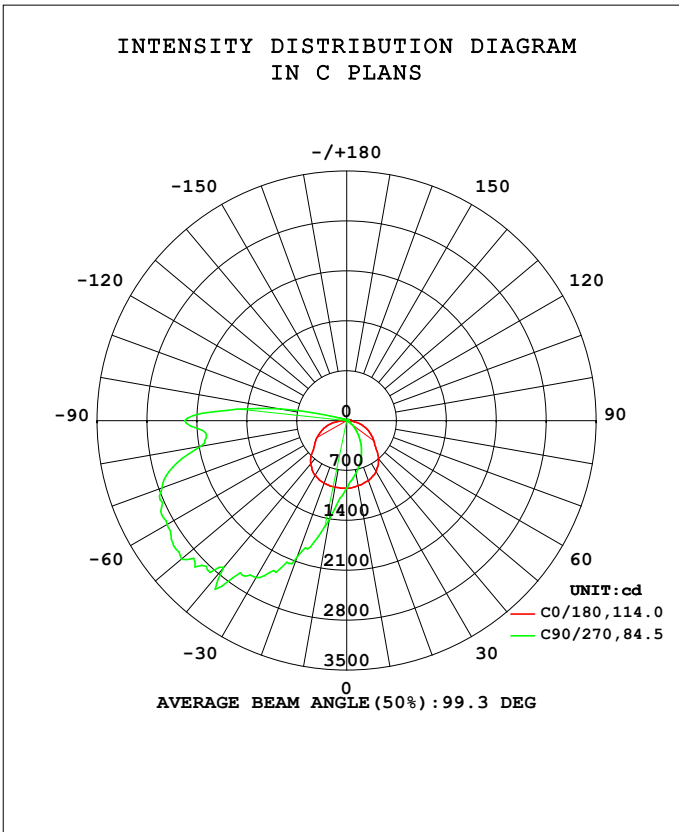


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	60W	I _{max} (cd)	3026	□ street_up (%)	0.9
NOMINAL POWER (W)	60	LOR (%)	100.0	□ street_down (%)	11.2
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	6915	□ house_up (%)	10.5
NOMINAL FLUX (lm)	6915.23	MAXIMUM @ (C, □)	270,50.0	□ house_down (%)	77.4
LAMPS INSIDE	1	□ up (%)	11.4	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	□ down (%)	88.6	SLI	

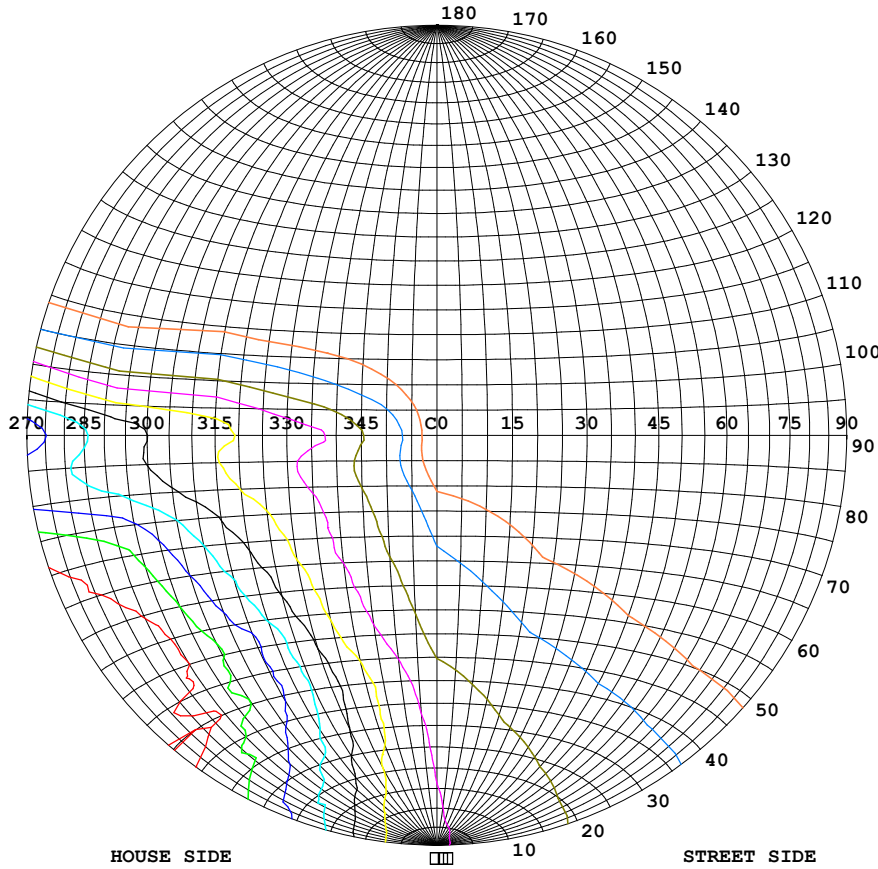


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-3-18

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.600m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:



Classification:

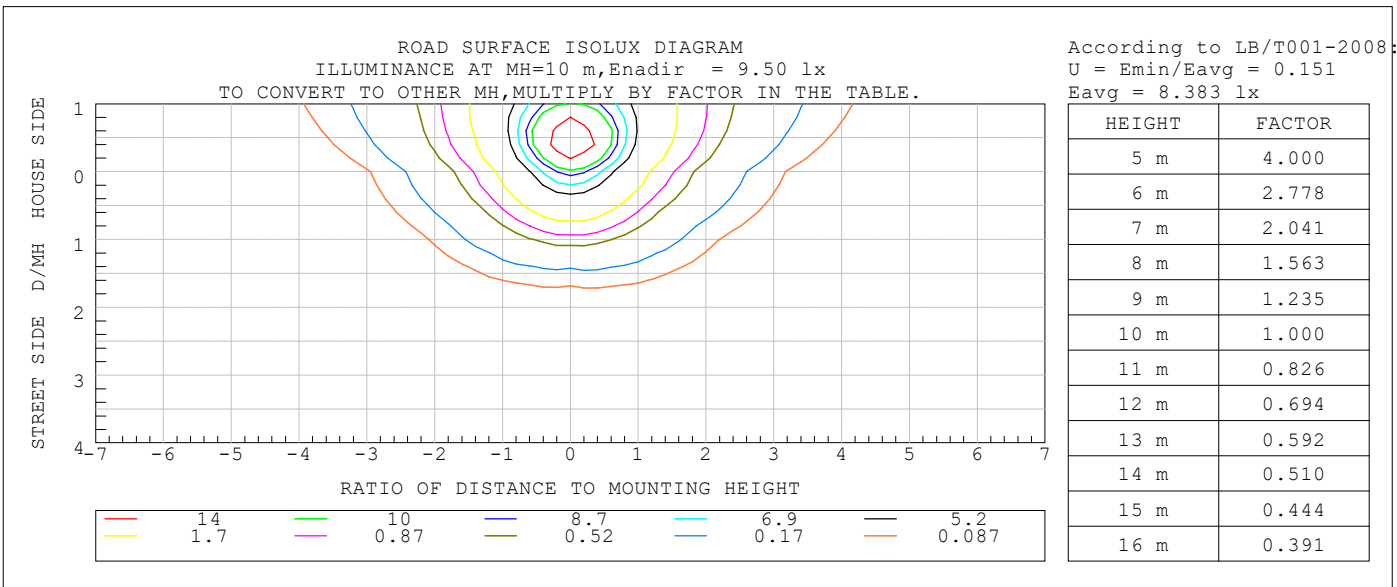
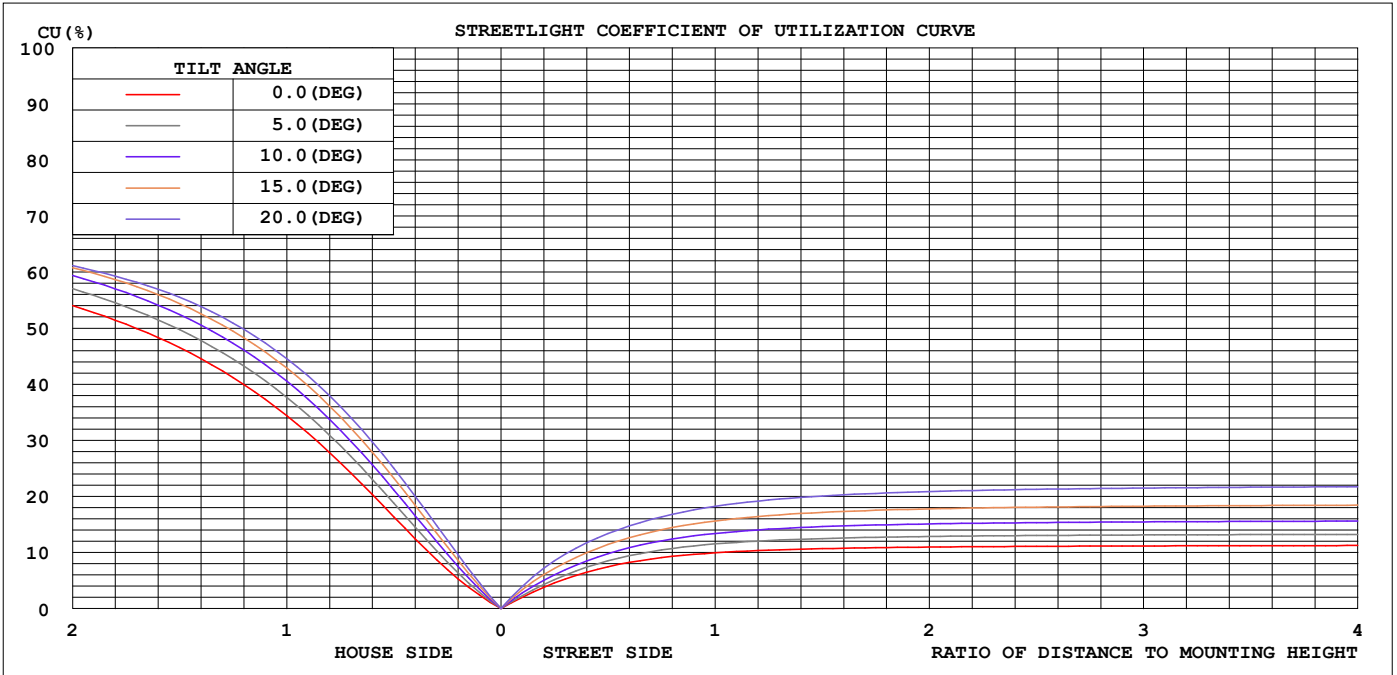
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:300.5cd/klm
 Max.At90:328.5cd/klm
 Max.80-90:328.5cd/klm
 NRB 5101:Semi limited[24.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3026
— 90%	2724
— 80%	2421
— 70%	2118
— 60%	1816
— 50%	1513
— 40%	1211
— 30%	908
— 20%	605
— 10%	303
— 5%	151

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 9.600m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

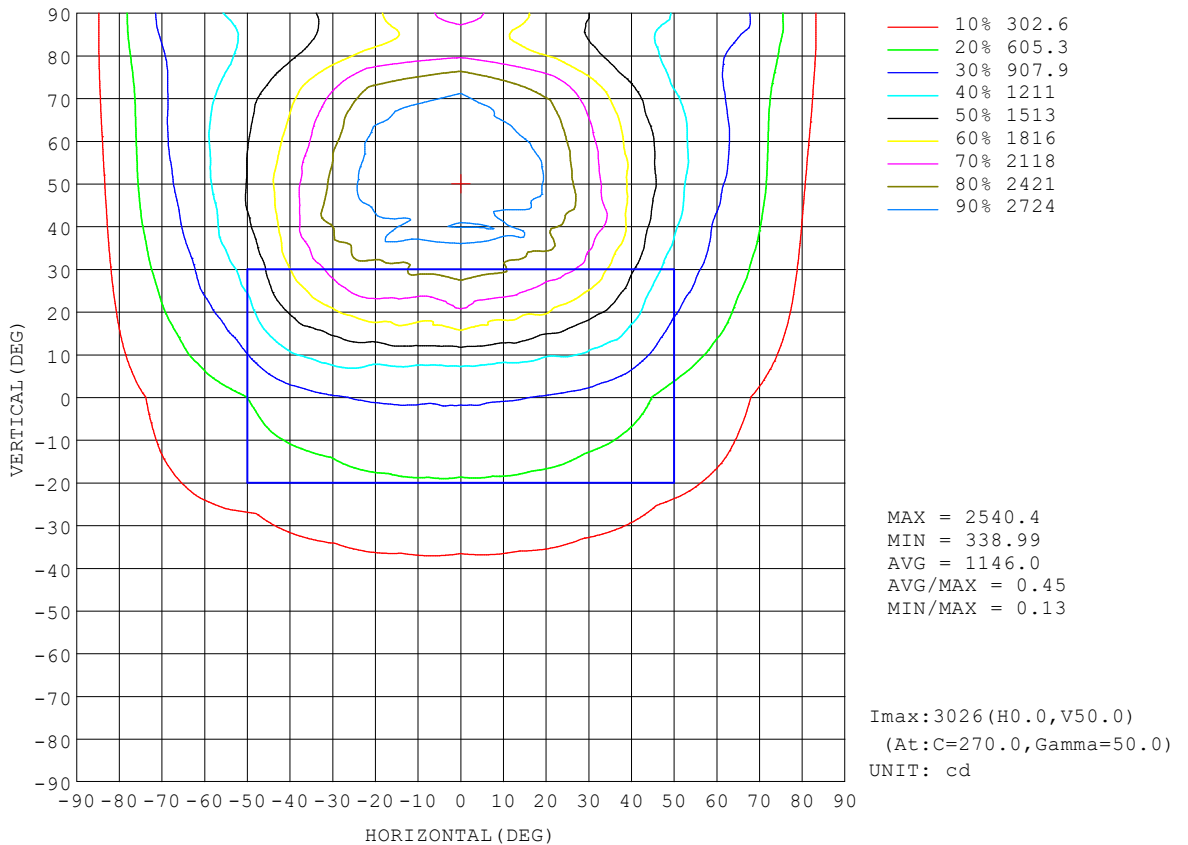
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	zone	total	%lum,lamp
10	928.2	796.4	751.1	800.0	949.3	1187	1403	1174	0- 10	92.63	92.63	1.34,1.34
20	894.2	661.0	581.8	670.0	933.4	1711	2038	1603	10- 20	303.4	396.0	5.73,5.73
30	826.8	507.2	409.3	521.5	887.7	2084	2540	1902	20- 30	542.2	938.2	13.6,13.6
40	697.0	343.1	252.5	362.0	788.2	2319	2684	2138	30- 40	764.8	1703	24.6,24.6
50	514.9	209.1	133.8	224.2	605.9	2371	3026	2157	40- 50	917.2	2620	37.9,37.9
60	396.2	124.5	60.63	134.7	484.3	2105	2908	1873	50- 60	983.3	3604	52.1,52.1
70	275.9	64.87	26.04	74.78	355.5	1790	2760	1640	60- 70	962.1	4566	66,66
80	132.9	34.97	12.25	39.15	206.0	1481	2078	1315	70- 80	856.4	5422	78.4,78.4
90	37.27	24.29	12.67	25.43	66.17	1319	2272	1279	80- 90	706.0	6128	88.6,88.6
100	51.78	20.66	15.02	22.28	53.90	703.2	961.0	620.7	90-100	551.6	6680	96.6,96.6
110	33.42	17.65	17.64	19.25	35.24	164.2	129.2	136.6	100-110	155.7	6835	98.8,98.8
120	11.48	16.39	19.81	18.21	15.92	33.03	45.46	27.35	110-120	40.37	6876	99.4,99.4
130	8.743	15.59	20.49	17.61	10.89	6.948	3.969	5.728	120-130	14.17	6890	99.6,99.6
140	8.530	15.14	20.15	16.91	9.889	5.519	4.648	5.933	130-140	8.589	6898	99.8,99.8
150	8.820	15.03	19.19	16.62	9.445	6.551	5.582	7.235	140-150	6.951	6905	99.9,99.9
160	9.742	14.58	17.65	16.15	10.12	8.182	7.440	9.061	150-160	5.308	6911	99.9,99.9
170	10.69	13.72	15.60	15.06	10.71	10.10	9.985	11.15	160-170	3.400	6914	100,100
180	11.22	12.31	12.99	13.35	11.24	12.33	13.00	13.35	170-180	1.184	6915	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

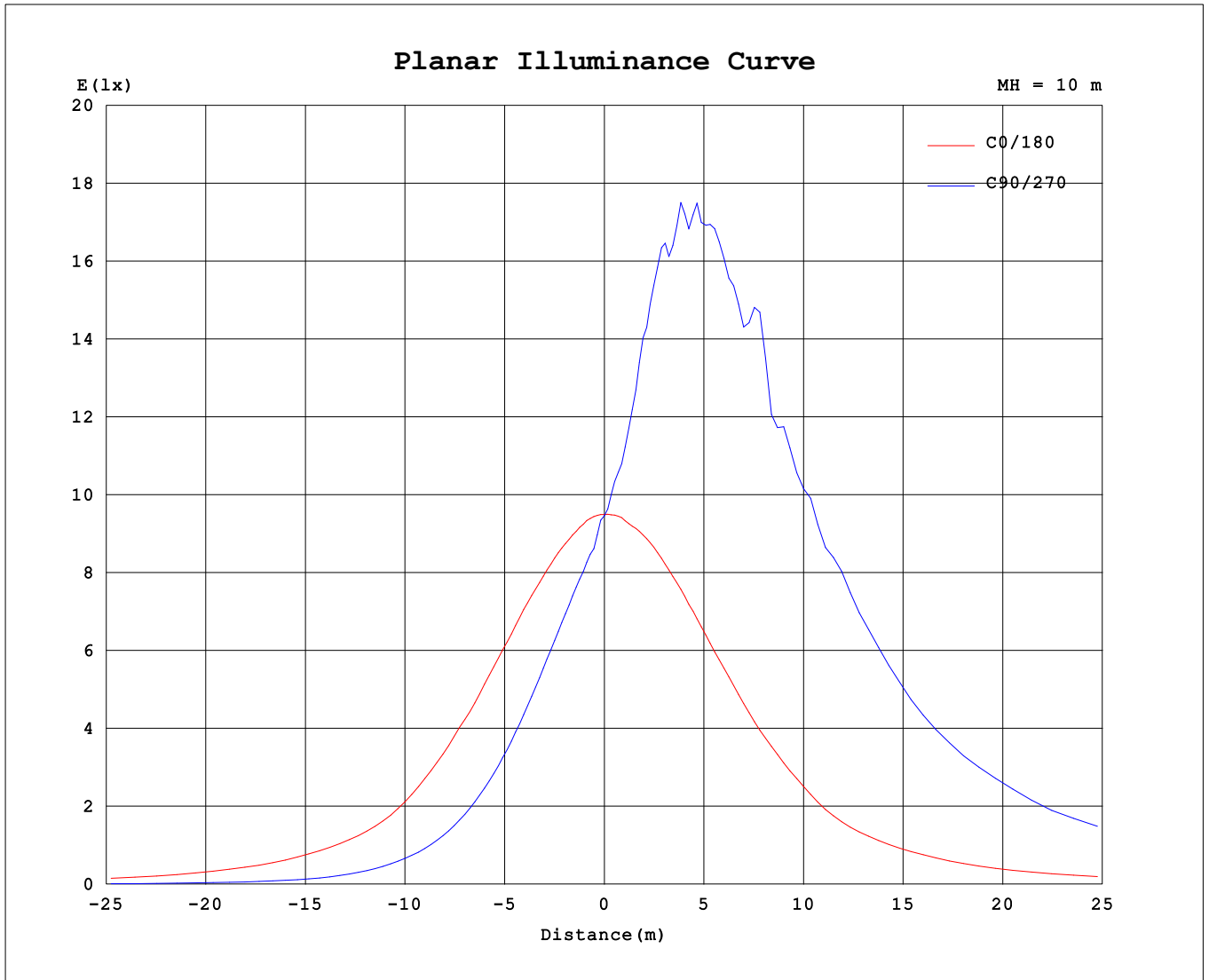
Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

Planar Illuminance Curve



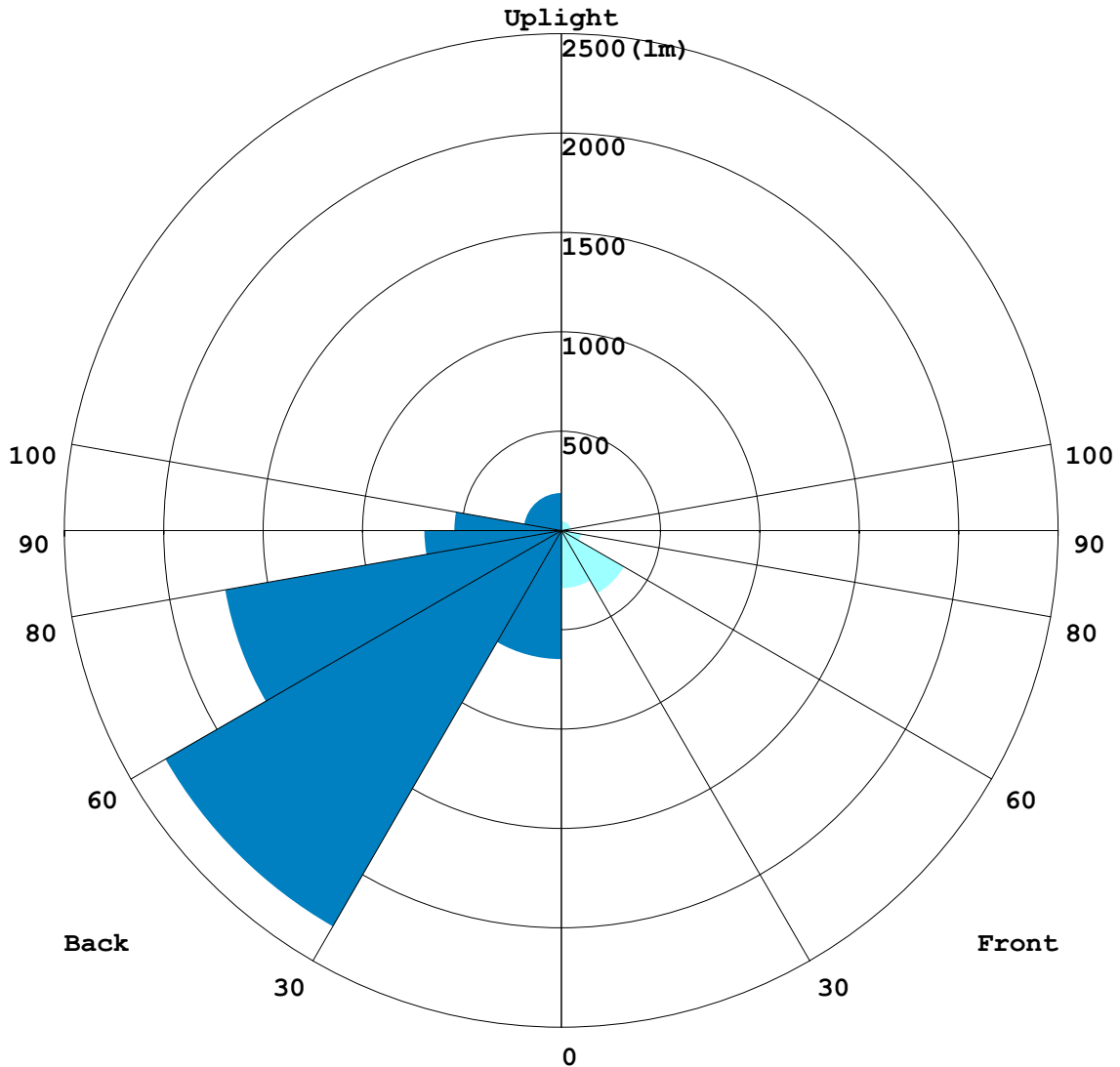
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 9.600m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	290.22	4.2
FM - Front-Medium(30-60)	365.3	5.3
FH - Front-High(60-80)	102.17	1.5
FVH - Front-Very High(80-90)	17.771	0.3
Total Forward Light	836.16	12.1

BL - Back-Low(0-30)	647.95	9.4
BM - Back-Medium(30-60)	2300	33.3
BH - Back-High(60-80)	1716.3	24.8
BVH - Back-Very High(80-90)	688.24	10.0
Total Back Light	6079.1	87.9

UL - Uplight-Low(90-100)	551.6	8.0
UH - Uplight-High(100-180)	235.68	3.4
Total Up Light	787.28	11.4

BUG(Back,Up,Glare) Rating	B3-U4-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5352.5	726.58	6079.1
Street Side	775.47	60.696	836.16

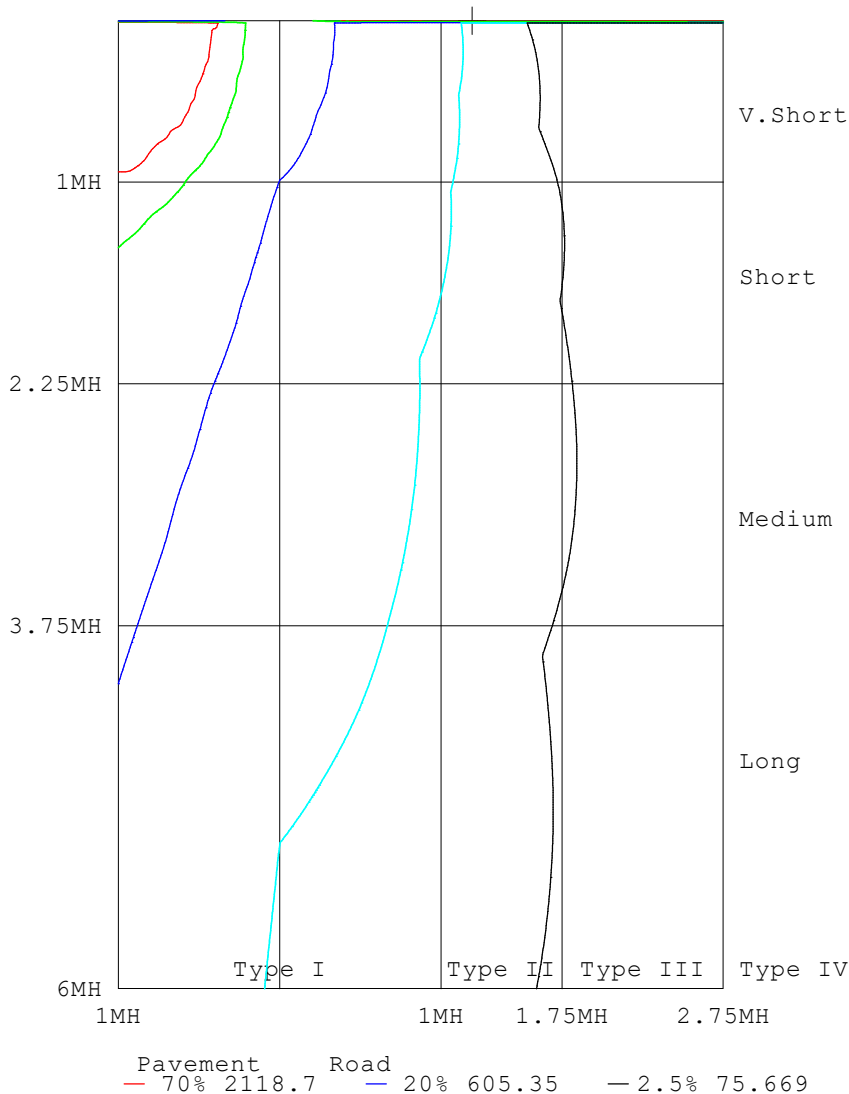
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-3-18

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.25V I:0.2222A P:54.436W PF:0.8835 Freq:50.01Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6915.23x1 lm		
NAME: ASD-WLP01SL-A60BR-PC	TYPE: 60W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ □ (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	950	949	948	949	947	948	948	950	950	949	948	949	947	948	948	950			
5	945	906	858	846	837	844	864	908	952	995	1058	1084	1093	1079	1051	997			
10	928	845	796	765	751	766	800	855	949	1059	1187	1326	1403	1332	1174	1039			
15	913	805	729	686	670	689	736	818	945	1140	1435	1665	1758	1655	1377	1090			
20	894	754	661	603	582	608	670	768	933	1221	1711	1849	2038	1848	1603	1154			
25	864	696	586	519	495	524	598	715	916	1357	1850	2079	2350	2110	1743	1233			
30	827	628	507	434	409	441	521	652	888	1461	2084	2385	2540	2377	1902	1302			
35	771	550	425	352	328	360	442	578	846	1495	2263	2498	2603	2471	2057	1328			
40	697	466	343	275	252	283	362	497	788	1562	2319	2865	2684	2755	2138	1342			
45	599	385	269	208	188	216	287	415	711	1537	2374	2787	2873	2656	2159	1284			
50	515	315	209	154	134	160	224	345	606	1457	2371	2929	3026	2799	2157	1167			
55	459	256	162	110	87.4	117	174	284	544	1324	2259	2944	2981	2770	2004	1080			
60	396	206	124	76.2	60.6	80.7	135	230	484	1264	2105	2844	2908	2693	1873	1027			
65	337	161	92.0	55.7	39.9	58.2	103	183	418	1205	1945	2733	2866	2583	1753	977			
70	276	122	64.9	38.4	26.0	40.9	74.8	141	355	1135	1790	2612	2760	2443	1640	930			
75	209	87.1	47.1	27.0	17.3	29.0	53.2	104	286	1081	1659	2350	2523	2219	1499	892			
80	133	57.8	35.0	19.7	12.3	21.3	39.1	69.4	206	1036	1481	1949	2078	1831	1315	832			
85	60.4	38.5	26.5	16.9	11.3	18.0	28.4	42.5	118	973	1337	1718	1987	1649	1226	807			
90	37.3	34.6	24.3	16.7	12.7	17.8	25.4	32.8	66.2	1090	1319	1712	2272	1634	1279	918			
95	44.6	35.4	22.7	16.7	13.8	18.0	24.2	33.5	52.2	778	1165	1422	1688	1251	1086	640			
100	51.8	33.0	20.7	16.6	15.0	17.9	22.3	33.4	53.9	332	703	774	961	660	621	325			
105	45.7	27.7	18.8	16.6	16.3	18.0	20.4	30.1	48.0	168	290	317	296	269	292	176			
110	33.4	21.8	17.7	16.7	17.6	18.2	19.2	25.0	35.2	84.1	164	130	129	111	137	86.8			
115	21.5	17.1	16.9	17.4	18.9	18.4	18.6	21.3	23.0	43.6	83.0	66.3	72.5	57.3	72.6	48.9			
120	11.5	14.4	16.4	17.9	19.8	18.8	18.2	18.1	15.9	23.3	33.0	31.4	45.5	27.2	27.4	21.8			
125	9.01	13.2	16.0	18.3	20.3	19.2	17.9	15.9	12.3	14.2	14.1	12.1	27.1	10.4	10.4	12.8			
130	8.74	12.7	15.6	18.4	20.5	19.4	17.6	15.1	10.9	9.54	6.95	4.28	3.97	4.04	5.73	9.28			
135	8.61	12.3	15.3	18.5	20.3	19.4	17.3	14.6	10.3	7.44	5.49	4.56	4.26	4.35	5.53	8.36			
140	8.53	12.0	15.1	18.4	20.2	19.4	16.9	14.2	9.89	7.06	5.52	4.96	4.65	4.78	5.93	8.30			
145	8.57	11.8	15.1	18.1	19.8	19.2	16.8	13.9	9.65	7.25	6.00	5.35	5.04	5.25	6.53	8.72			
150	8.82	11.8	15.0	17.7	19.2	18.8	16.6	13.7	9.45	7.75	6.55	5.91	5.58	5.91	7.23	9.36			
155	9.28	12.0	14.9	17.2	18.5	18.3	16.4	13.8	9.77	8.35	7.28	6.70	6.41	6.78	8.11	10.1			
160	9.74	12.1	14.6	16.5	17.7	17.6	16.2	13.9	10.1	8.97	8.18	7.70	7.44	7.84	9.06	10.7			
165	10.2	12.2	14.2	15.7	16.7	16.7	15.7	13.9	10.4	9.58	9.09	8.82	8.65	9.00	10.0	11.4			
170	10.7	12.2	13.7	14.9	15.6	15.7	15.1	13.8	10.7	10.3	10.1	10.1	9.98	10.3	11.2	12.1			
175	11.0	12.0	13.1	13.9	14.4	14.5	14.3	13.6	11.0	11.0	11.2	11.4	11.5	11.7	12.2	12.7			
180	11.2	11.7	12.3	12.7	13.0	13.2	13.4	13.2	11.2	11.6	12.3	12.8	13.0	13.2	13.4	13.2			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-3-18

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:9.600m [K=1.0000]
 Remarks: