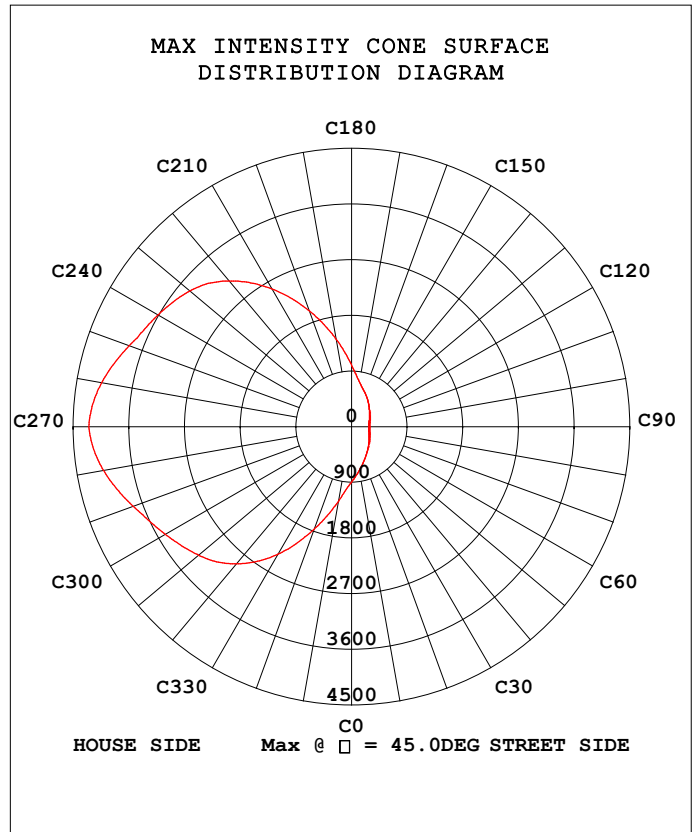
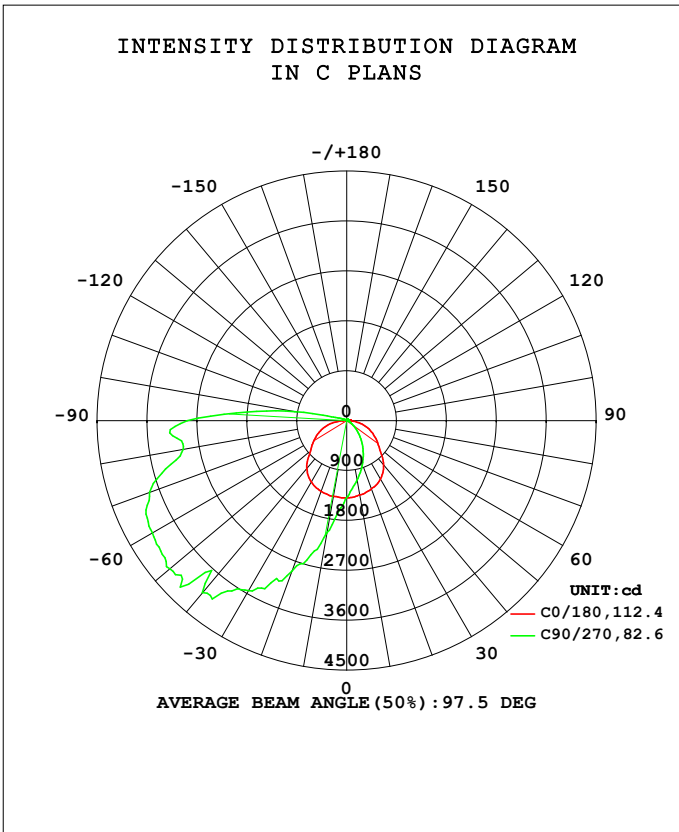


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	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	80W	I <sub>max</sub> (cd)	4247	□ street_up (%)	0.9
NOMINAL POWER (W)	80	LOR (%)	100.0	□ street_down (%)	11.9
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	9554	□ house_up (%)	8.5
NOMINAL FLUX (lm)	9553.9	MAXIMUM @ (C, □ )	270,45.0	□ house_down (%)	78.7
LAMPS INSIDE	1	□ up (%)	9.4	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	□ down (%)	90.6	SLI	

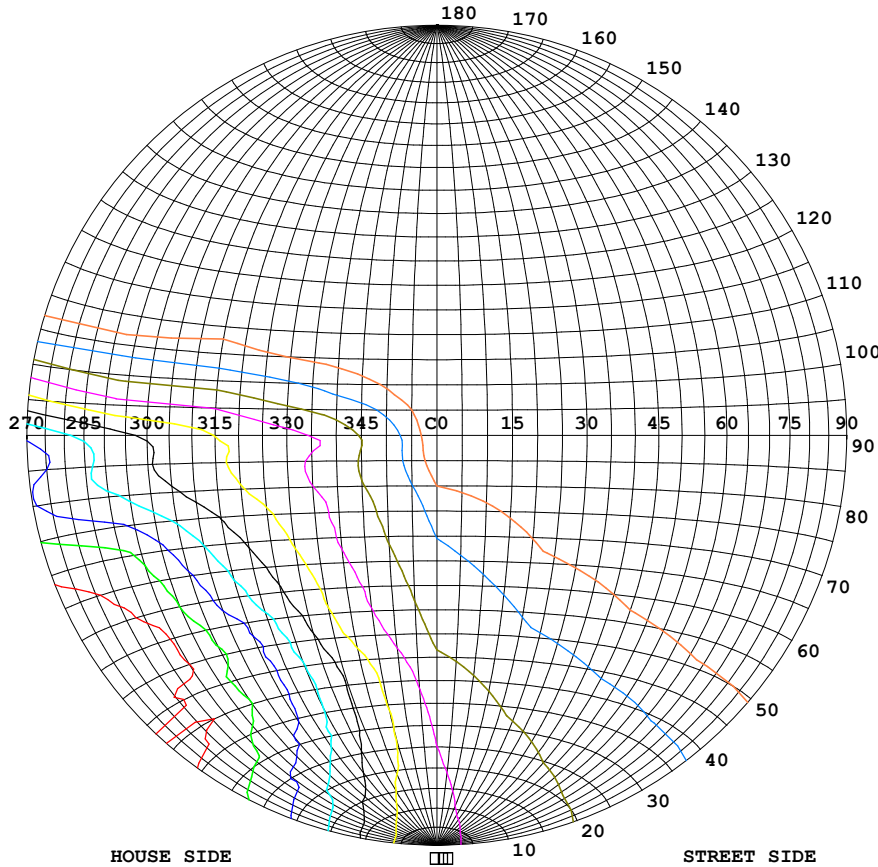


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-3-26

□ 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:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:



**Classification:**

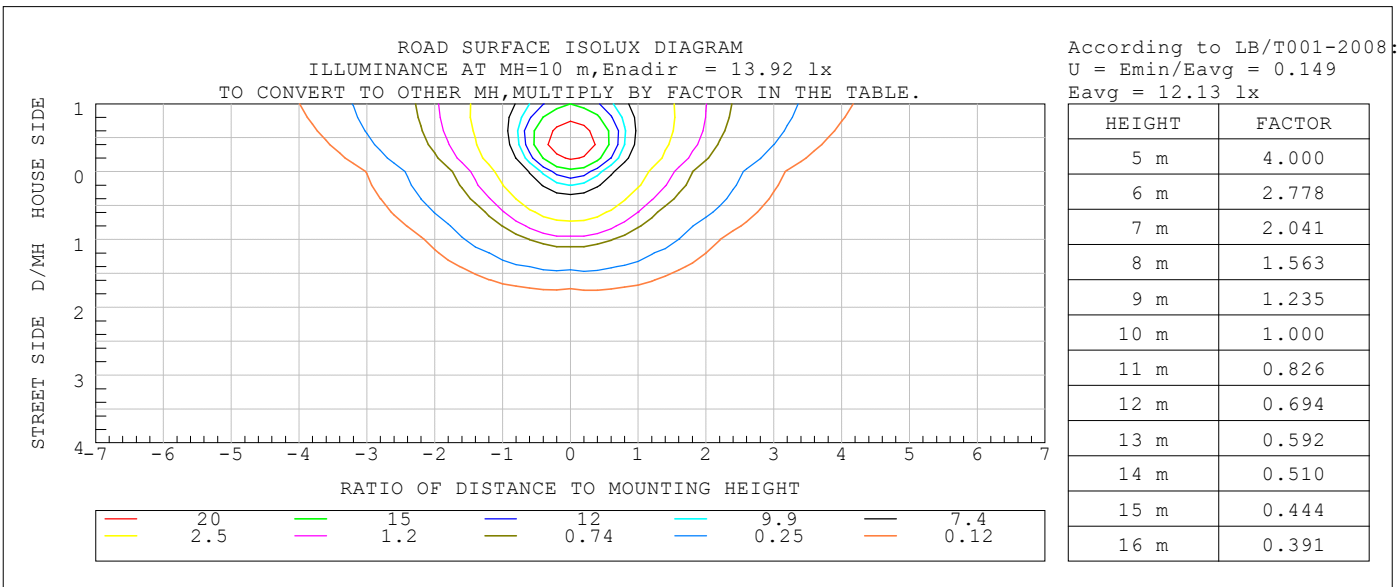
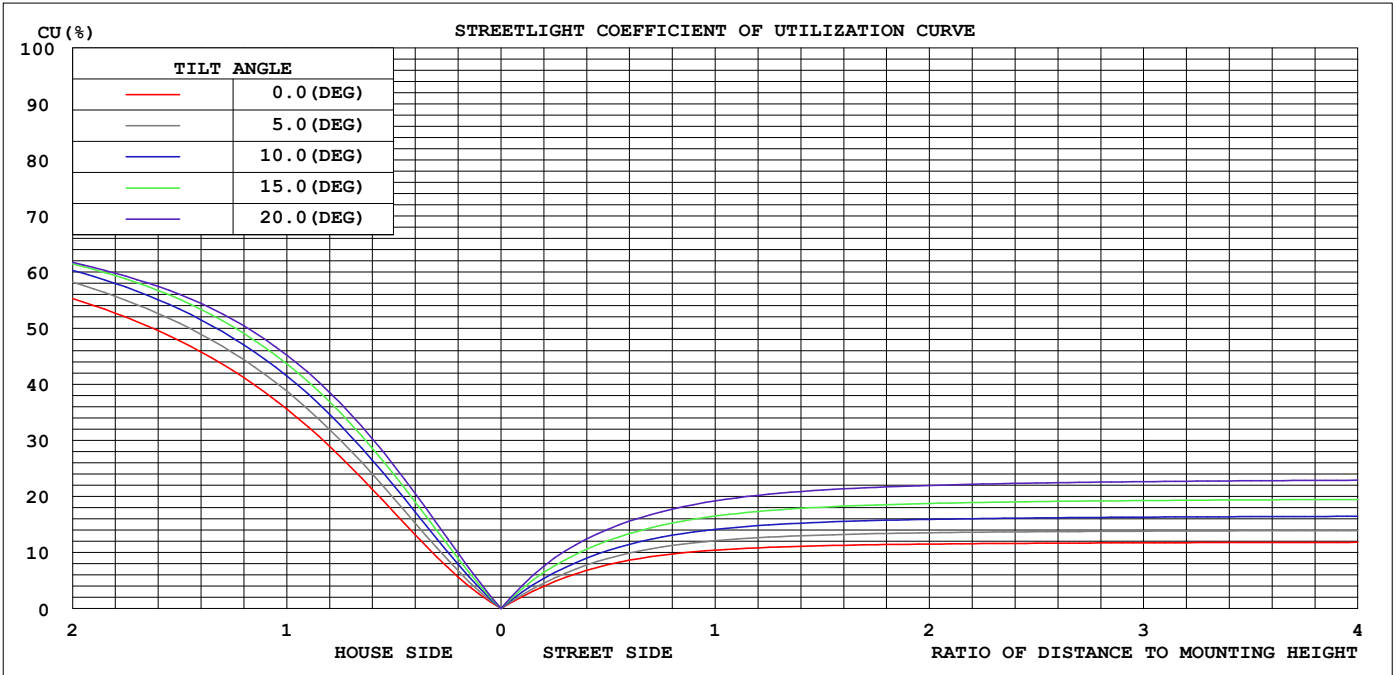
IES:Type V - Very Short  
 CIE:Narrow - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:313.4cd/klm  
 Max.At90:301.2cd/klm  
 Max.80-90:335.3cd/klm  
 NRB 5101:Semi limited[25.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4247
90%	3822
80%	3398
70%	2973
60%	2548
50%	2124
40%	1699
30%	1274
20%	849
10%	425
5%	212

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-26

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: 2024-3-26

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:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

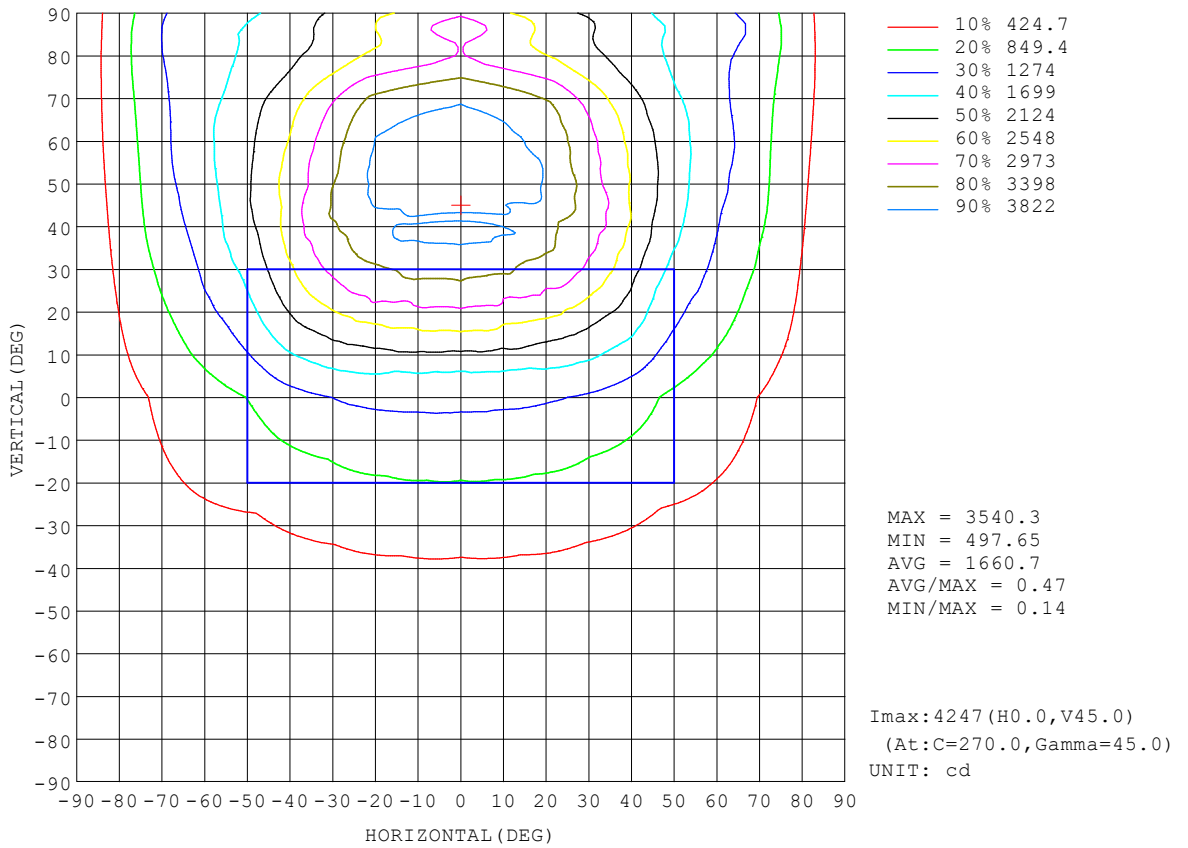
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1365	1162	1090	1167	1386	1807	2050	1790	0- 10	137.3	137.3	1.44,1.44
20	1312	950.3	835.6	959.4	1358	2445	2891	2354	10- 20	446.0	583.3	6.1,6.1
30	1220	732.4	591.2	742.3	1278	2982	3540	2858	20- 30	785.3	1369	14.3,14.3
40	1038	504.0	372.4	515.2	1125	3235	4048	3080	30- 40	1096	2465	25.8,25.8
50	768.9	309.9	202.4	319.1	857.2	3279	4161	3060	40- 50	1295	3760	39.4,39.4
60	589.6	185.5	91.63	192.0	669.4	2855	4046	2658	50- 60	1374	5135	53.7,53.7
70	415.6	100.9	40.53	108.6	485.4	2427	3783	2302	60- 70	1341	6475	67.8,67.8
80	211.9	54.43	18.51	56.72	271.1	1992	2994	1870	70- 80	1176	7651	80.1,80.1
90	55.05	34.73	17.15	36.13	82.19	1731	2878	1692	80- 90	1003	8654	90.6,90.6
100	68.47	29.87	20.47	32.45	73.32	648.7	958.0	643.8	90-100	634.6	9289	97.2,97.2
110	42.52	25.86	24.03	28.40	48.38	164.4	139.1	159.2	100-110	165.0	9454	99,99
120	19.65	23.96	27.27	26.52	26.63	23.38	51.85	25.65	110-120	45.84	9500	99.4,99.4
130	14.40	22.69	28.68	25.37	17.22	6.834	5.609	7.349	120-130	17.71	9517	99.6,99.6
140	13.06	21.57	28.30	24.05	15.03	7.963	6.610	8.563	130-140	12.26	9530	99.7,99.7
150	12.57	21.35	27.16	23.78	13.78	9.593	8.184	10.60	140-150	9.993	9540	99.9,99.9
160	14.01	20.81	25.18	23.16	14.68	11.96	11.00	13.26	150-160	7.644	9547	99.9,99.9
170	15.46	19.71	22.48	21.75	15.56	14.74	14.67	16.28	160-170	4.919	9552	100,100
180	16.21	17.76	18.86	19.42	16.23	17.78	18.87	19.43	170-180	1.716	9554	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:2024-3-26

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**

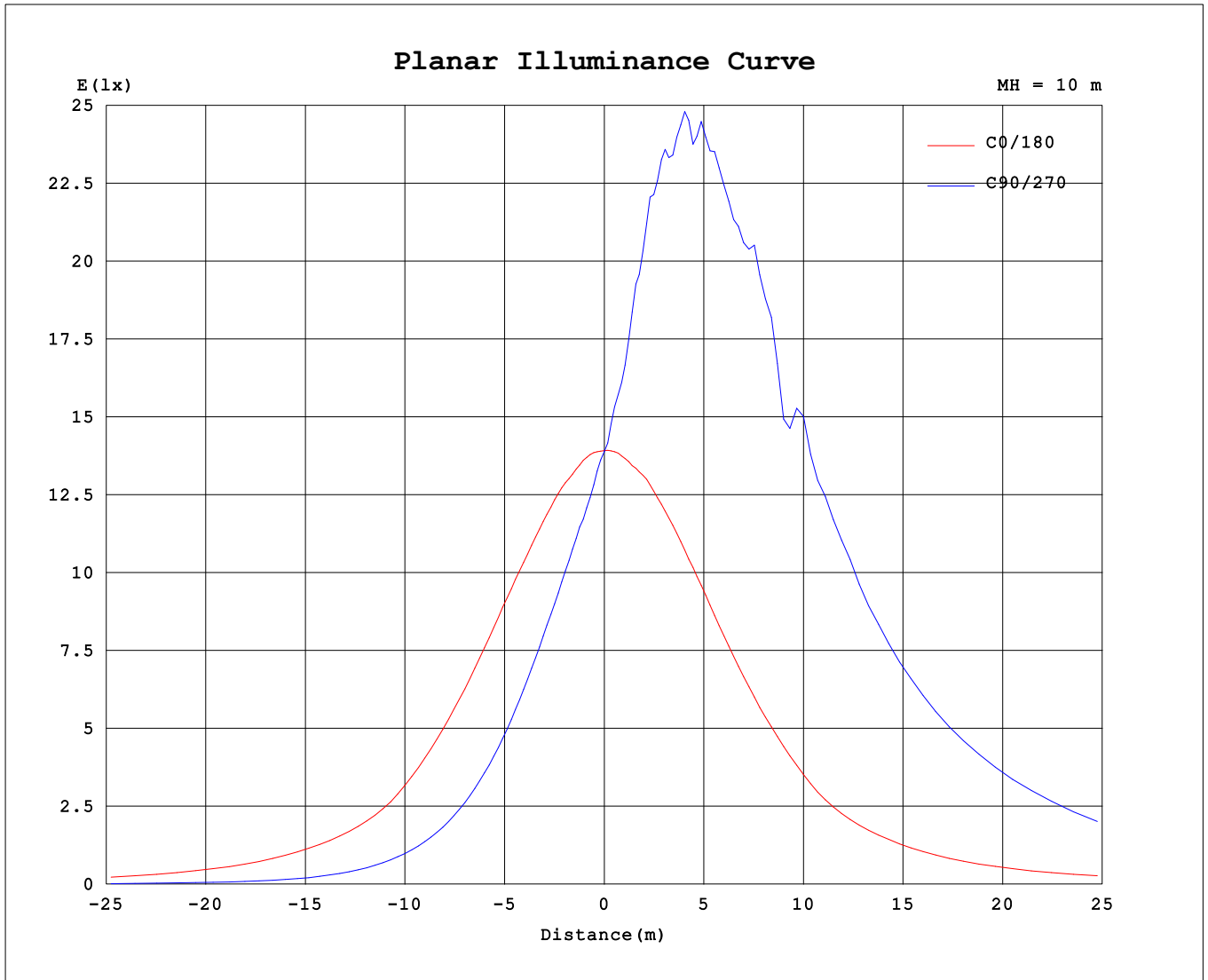
Test:U:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-26

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**



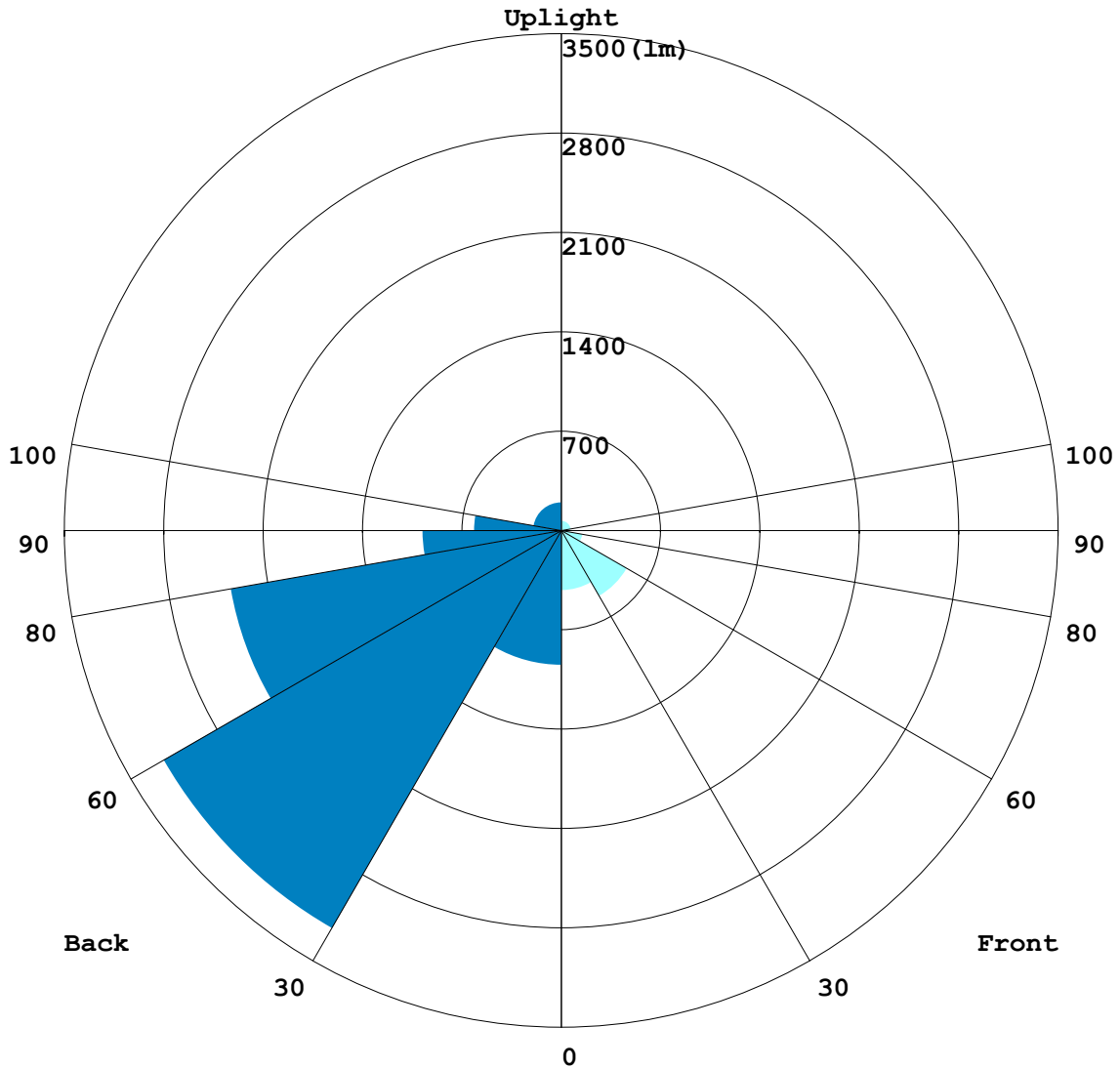
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-3-26

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:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	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:2024-3-26

□ 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:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	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)	421.31	4.4
FM - Front-Medium(30-60)	533.38	5.6
FH - Front-High(60-80)	151.56	1.6
FVH - Front-Very High(80-90)	26.719	0.3
<b>Total Forward Light</b>	<b>1220.2</b>	<b>12.8</b>

BL - Back-Low(0-30)	947.24	9.9
BM - Back-Medium(30-60)	3232.7	33.8
BH - Back-High(60-80)	2365	24.8
BVH - Back-Very High(80-90)	976.39	10.2
<b>Total Back Light</b>	<b>8333.7</b>	<b>87.2</b>

UL - Uplight-Low(90-100)	634.56	6.6
UH - Uplight-High(100-180)	265.08	2.8
<b>Total Up Light</b>	<b>899.63</b>	<b>9.4</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B3-U4-G5</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7521.3	812.38	8333.7
Street Side	1133	87.252	1220.2

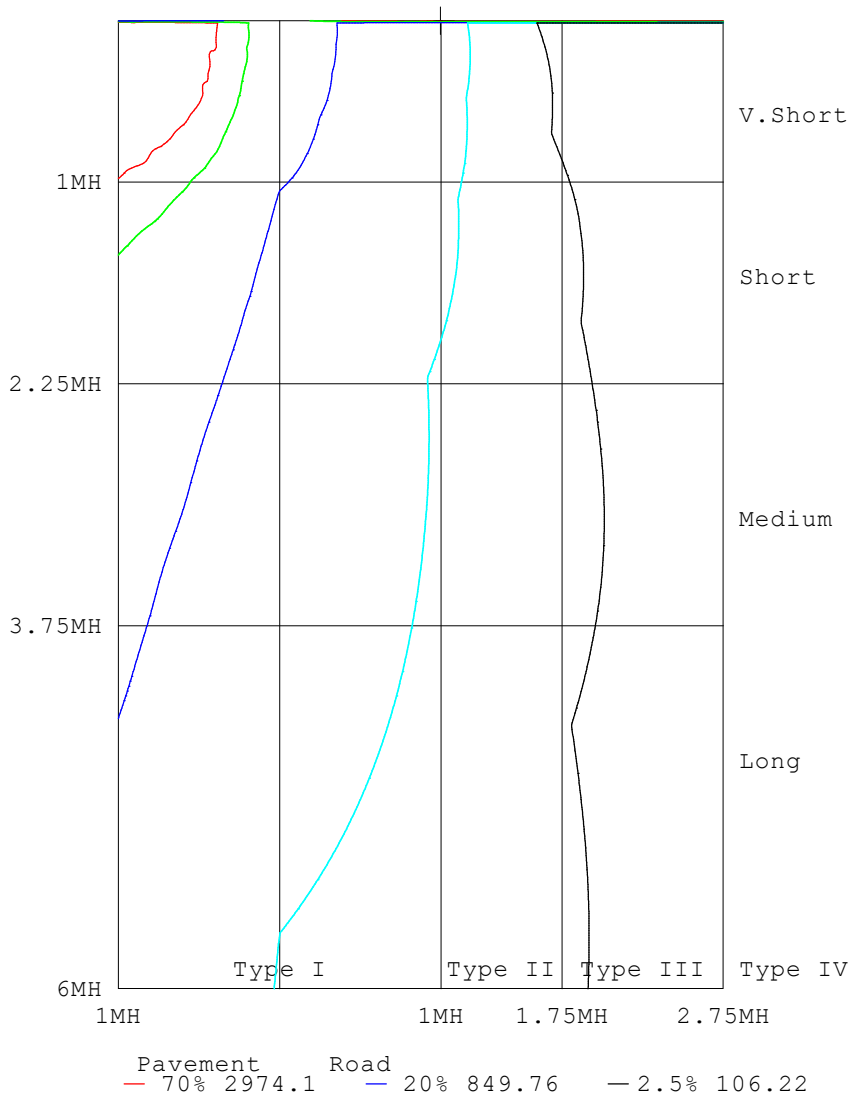
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-26

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:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz UTHdi:0.00% ITHdi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	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:2024-3-26

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:277.36V I:0.2983A P:76.029W PF:0.9188 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:9553.9x1 lm		
NAME: ASD-WLP01SL-A80BR-PC	TYPE: 80W	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	1392	1391	1388	1390	1390	1394	1395	1398	1392	1391	1388	1390	1390	1394	1395	1398			
5	1386	1328	1267	1234	1223	1240	1275	1345	1391	1480	1560	1628	1629	1622	1566	1479			
10	1365	1243	1162	1108	1090	1113	1167	1263	1386	1576	1807	2033	2050	2041	1790	1550			
15	1343	1175	1057	987	962	990	1066	1194	1377	1690	2144	2410	2507	2413	2054	1651			
20	1312	1099	950	867	836	872	959	1119	1358	1860	2445	2721	2891	2677	2354	1779			
25	1274	1013	843	746	711	751	853	1034	1327	1994	2673	3083	3226	3004	2564	1881			
30	1220	915	732	628	591	632	742	938	1278	2104	2982	3431	3540	3352	2858	1947			
35	1141	804	618	514	478	518	629	828	1214	2155	3158	3599	3748	3504	2995	1964			
40	1038	683	504	406	372	410	515	708	1125	2194	3235	3886	4048	3803	3080	1972			
45	899	564	398	311	280	316	408	587	997	2137	3278	3756	4247	3677	3090	1905			
50	769	461	310	231	202	236	319	484	857	1982	3279	4005	4161	3921	3060	1728			
55	680	375	241	168	136	174	248	397	764	1821	3127	4000	4099	3875	2933	1589			
60	590	303	185	117	91.6	122	192	322	669	1743	2855	3891	4046	3762	2658	1527			
65	503	239	141	83.9	61.5	86.1	149	256	580	1626	2649	3757	3991	3648	2503	1430			
70	416	184	101	59.5	40.5	61.5	109	197	485	1537	2427	3533	3783	3423	2302	1339			
75	321	134	72.6	41.5	26.8	43.3	77.2	144	388	1484	2254	3096	3383	3000	2109	1293			
80	212	91.1	54.4	29.8	18.5	31.3	56.7	95.8	271	1413	1992	2631	2994	2555	1870	1203			
85	103	59.8	39.8	23.8	15.3	25.2	41.4	59.2	146	1390	1852	2439	3155	2347	1758	1176			
90	55.0	48.2	34.7	23.2	17.2	24.6	36.1	47.3	82.2	1349	1731	2401	2878	2243	1692	1205			
95	59.9	48.1	32.4	23.1	18.7	24.7	34.6	49.7	70.4	782	1286	1558	1799	1418	1259	746			
100	68.5	46.2	29.9	23.3	20.5	25.0	32.4	51.9	73.3	358	649	803	958	738	644	354			
105	59.9	40.5	27.4	23.3	22.2	25.2	30.1	48.6	64.5	178	298	323	290	295	266	180			
110	42.5	33.6	25.9	23.3	24.0	25.4	28.4	41.7	48.4	87.9	164	152	139	128	159	88.7			
115	28.3	28.1	24.7	24.0	25.8	25.6	27.3	35.5	34.7	33.9	70.6	75.9	82.0	62.8	70.6	37.1			
120	19.7	23.7	24.0	24.9	27.3	26.1	26.5	29.4	26.6	17.6	23.4	34.3	51.9	28.9	25.7	17.6			
125	15.7	20.9	23.3	25.6	28.2	26.9	25.9	25.5	20.0	11.1	10.3	8.92	26.1	8.86	10.7	11.2			
130	14.4	19.6	22.7	26.0	28.7	27.3	25.4	23.4	17.2	9.00	6.83	6.05	5.61	5.78	7.35	9.97			
135	13.6	18.7	22.2	26.0	28.6	27.4	24.7	22.0	15.9	9.22	7.28	6.56	6.10	6.31	7.74	10.8			
140	13.1	18.0	21.6	25.9	28.3	27.4	24.0	20.9	15.0	9.82	7.96	7.07	6.61	6.90	8.56	11.7			
145	12.7	17.2	21.5	25.6	27.8	27.2	24.0	20.0	14.4	10.6	8.69	7.73	7.28	7.66	9.48	12.6			
150	12.6	16.9	21.3	25.1	27.2	26.7	23.8	19.6	13.8	11.4	9.59	8.66	8.18	8.70	10.6	13.6			
155	13.3	17.2	21.2	24.4	26.3	26.0	23.5	19.9	14.2	12.2	10.7	9.85	9.44	10.0	11.9	14.6			
160	14.0	17.4	20.8	23.5	25.2	25.2	23.2	20.0	14.7	13.1	12.0	11.3	11.0	11.6	13.3	15.6			
165	14.8	17.5	20.3	22.5	23.9	24.0	22.6	20.1	15.1	14.0	13.3	12.9	12.7	13.3	14.7	16.6			
170	15.5	17.6	19.7	21.3	22.5	22.6	21.7	20.0	15.6	14.9	14.7	14.7	14.7	15.2	16.3	17.6			
175	16.0	17.3	18.9	20.0	20.8	21.0	20.7	19.7	16.0	15.9	16.3	16.6	16.7	17.1	17.9	18.5			
180	16.2	16.9	17.8	18.5	18.9	19.1	19.4	19.2	16.2	16.9	17.8	18.4	18.9	19.1	19.4	19.2			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-26

□ 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: