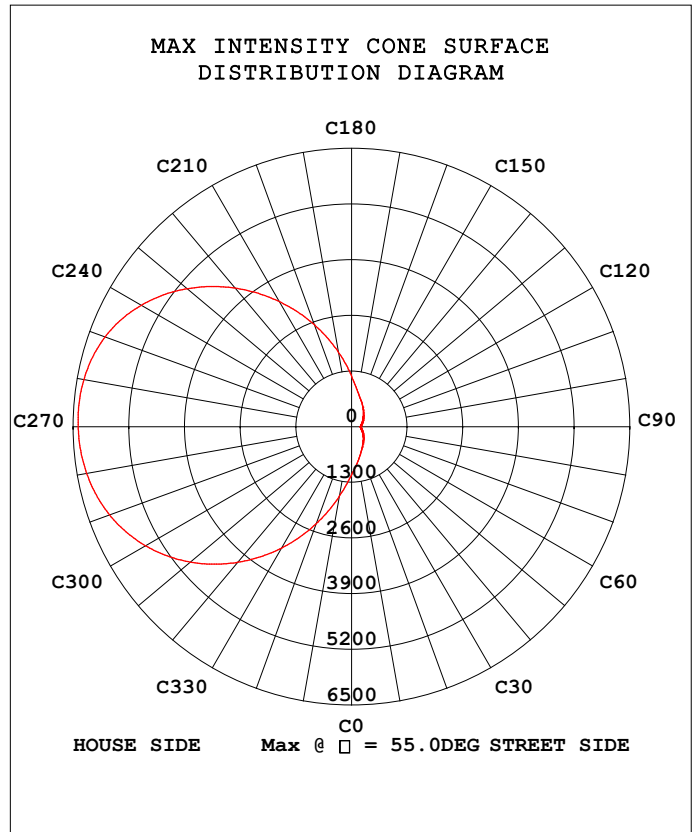
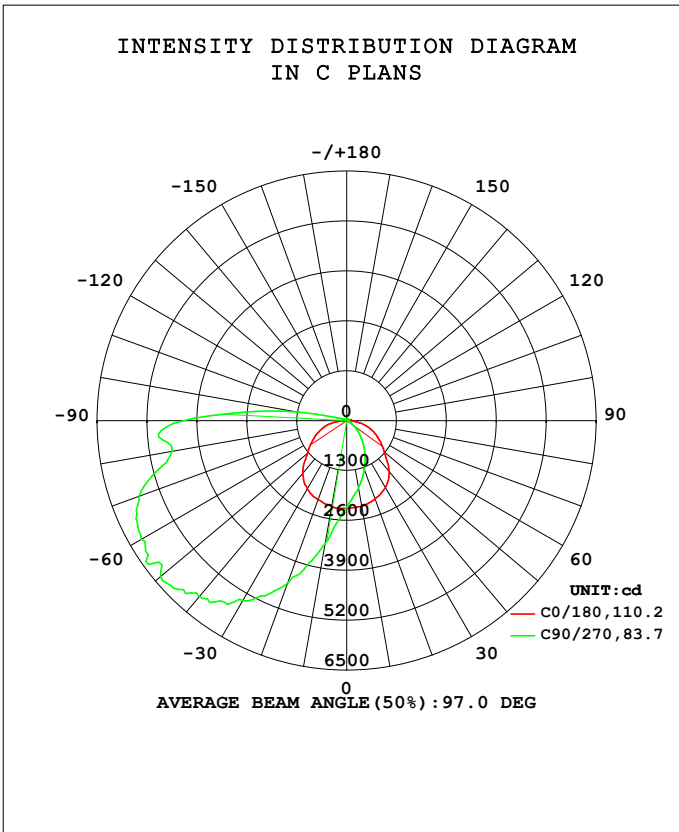


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	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	120W	I <sub>max</sub> (cd)	6383	<input type="checkbox"/> street_up (%)	0.9
NOMINAL POWER (W)	120	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	12.4
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	14768	<input type="checkbox"/> house_up (%)	8.0
NOMINAL FLUX (lm)	14768	MAXIMUM @ (C, <input type="checkbox"/> )	270,55.0	<input type="checkbox"/> house_down (%)	78.7
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	8.9	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	<input type="checkbox"/> down (%)	91.1	SLI	

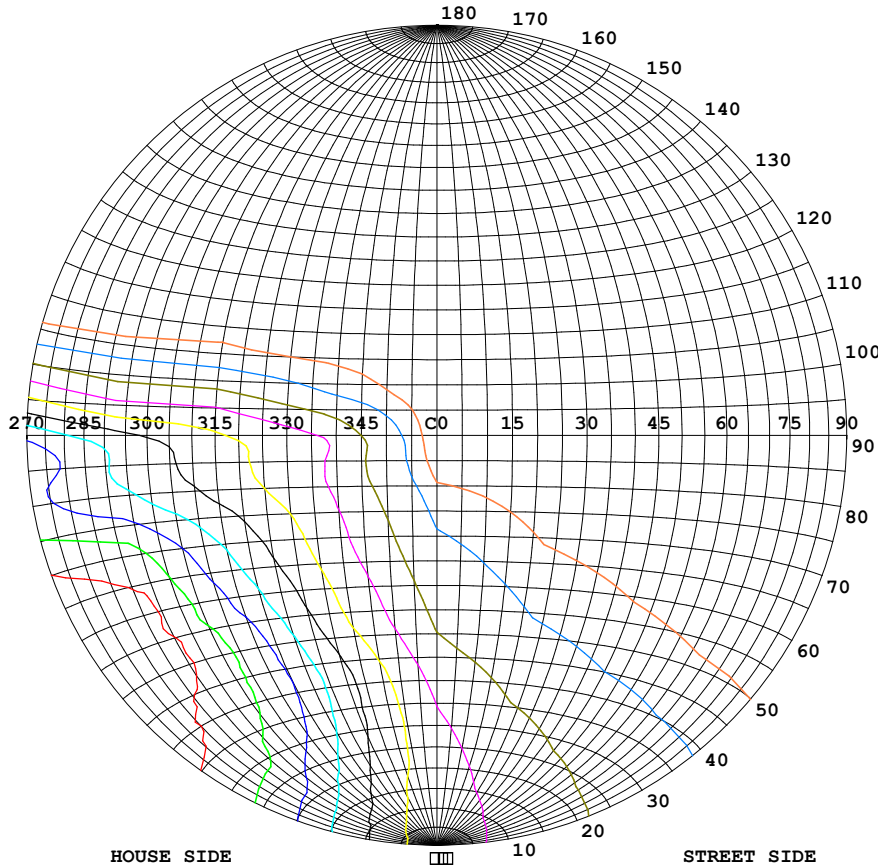


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-15

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:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:



**Classification:**

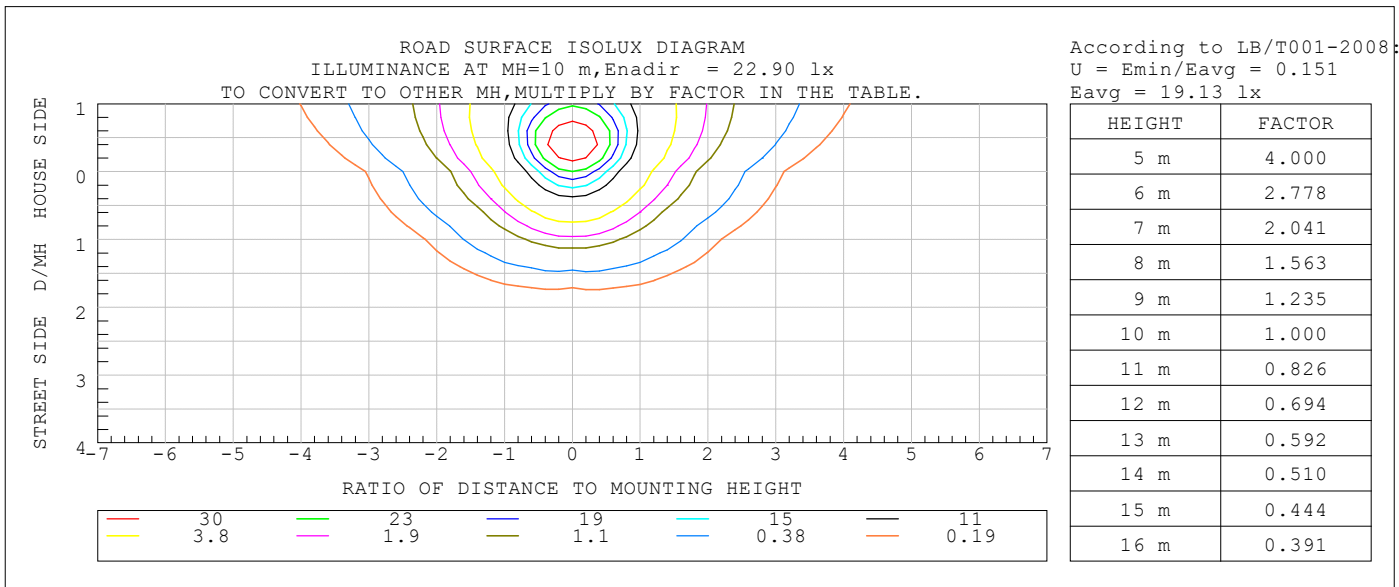
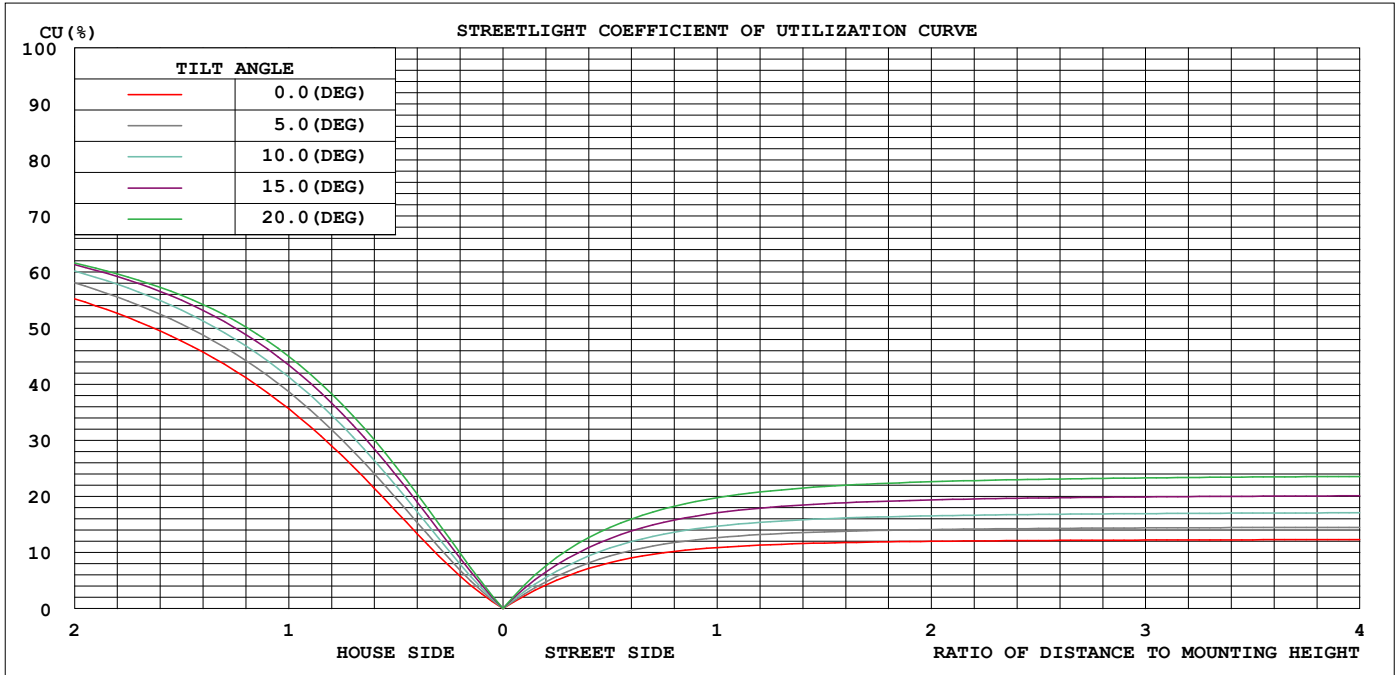
IES:Type V - Very Short  
 CIE:Narrow - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:313.3cd/klm  
 Max.At90:287.7cd/klm  
 Max.80-90:332.8cd/klm  
 NRB 5101:Semi limited[26.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6383
90%	5744
80%	5106
70%	4468
60%	3830
50%	3191
40%	2553
30%	1915
20%	1277
10%	638
5%	319

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-15

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: 2024-3-15

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:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:

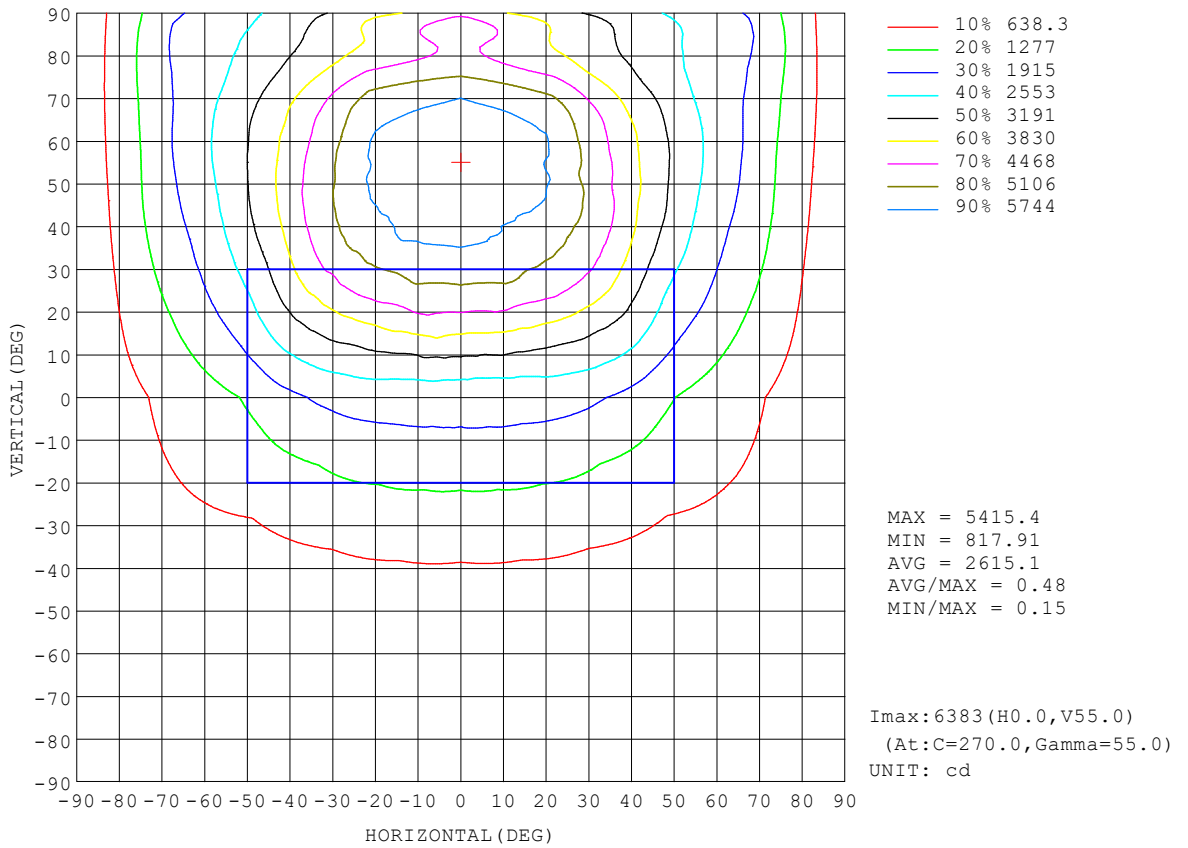
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum,lamp
10	2264	1905	1783	1902	2265	2898	3242	2807	0- 10	221.9	221.9	1.5,1.5
20	2174	1558	1351	1560	2192	3714	4498	3678	10- 20	710.3	932.2	6.31,6.31
30	2017	1186	947.7	1193	2051	4423	5415	4376	20- 30	1236	2168	14.7,14.7
40	1721	812.1	592.4	821.7	1783	4819	5982	4785	30- 40	1699	3867	26.2,26.2
50	1286	501.5	316.9	505.7	1342	4808	6322	4735	40- 50	2002	5869	39.7,39.7
60	971.0	304.4	141.7	305.7	1027	4394	6181	4276	50- 60	2114	7983	54.1,54.1
70	680.8	163.5	63.22	167.4	731.4	3839	5748	3755	60- 70	2084	10067	68.2,68.2
80	345.4	85.58	28.42	87.73	402.6	3122	4626	3021	70- 80	1837	11904	80.6,80.6
90	91.96	53.60	25.85	53.55	102.3	2606	4248	2628	80- 90	1555	13459	91.1,91.1
100	106.0	43.94	31.38	46.61	104.7	948.8	1303	994.3	90-100	924.0	14383	97.4,97.4
110	62.62	36.89	36.78	40.72	61.93	238.8	188.3	247.7	100-110	231.6	14614	99,99
120	23.53	34.58	41.79	39.08	29.38	47.68	75.72	47.71	110-120	69.36	14684	99.4,99.4
130	19.81	33.46	44.02	38.50	23.62	13.65	8.976	12.48	120-130	27.85	14712	99.6,99.6
140	19.00	32.64	43.43	37.41	22.15	12.84	10.61	13.53	130-140	18.83	14730	99.7,99.7
150	19.34	32.51	41.60	37.03	21.84	15.40	13.13	16.50	140-150	15.40	14746	99.9,99.9
160	21.58	31.72	38.53	35.91	23.23	18.97	17.39	20.53	150-160	11.85	14758	99.9,99.9
170	23.82	30.21	34.44	33.61	24.45	23.12	22.89	25.14	160-170	7.611	14765	100,100
180	25.26	27.56	29.14	29.89	25.30	27.56	29.16	29.87	170-180	2.654	14768	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:2024-3-15

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**

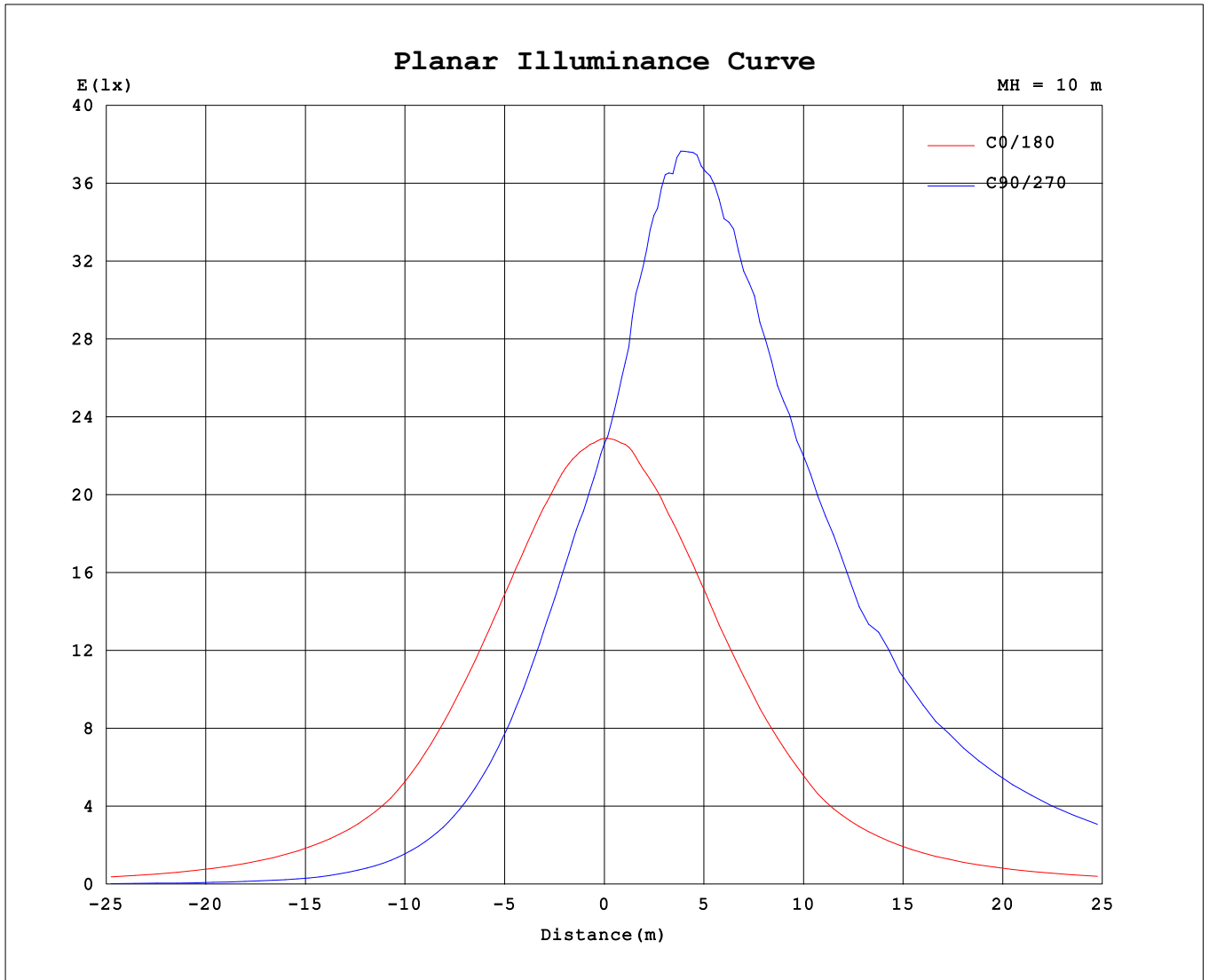
Test:U:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 0.30*0.15	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-3-15

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**



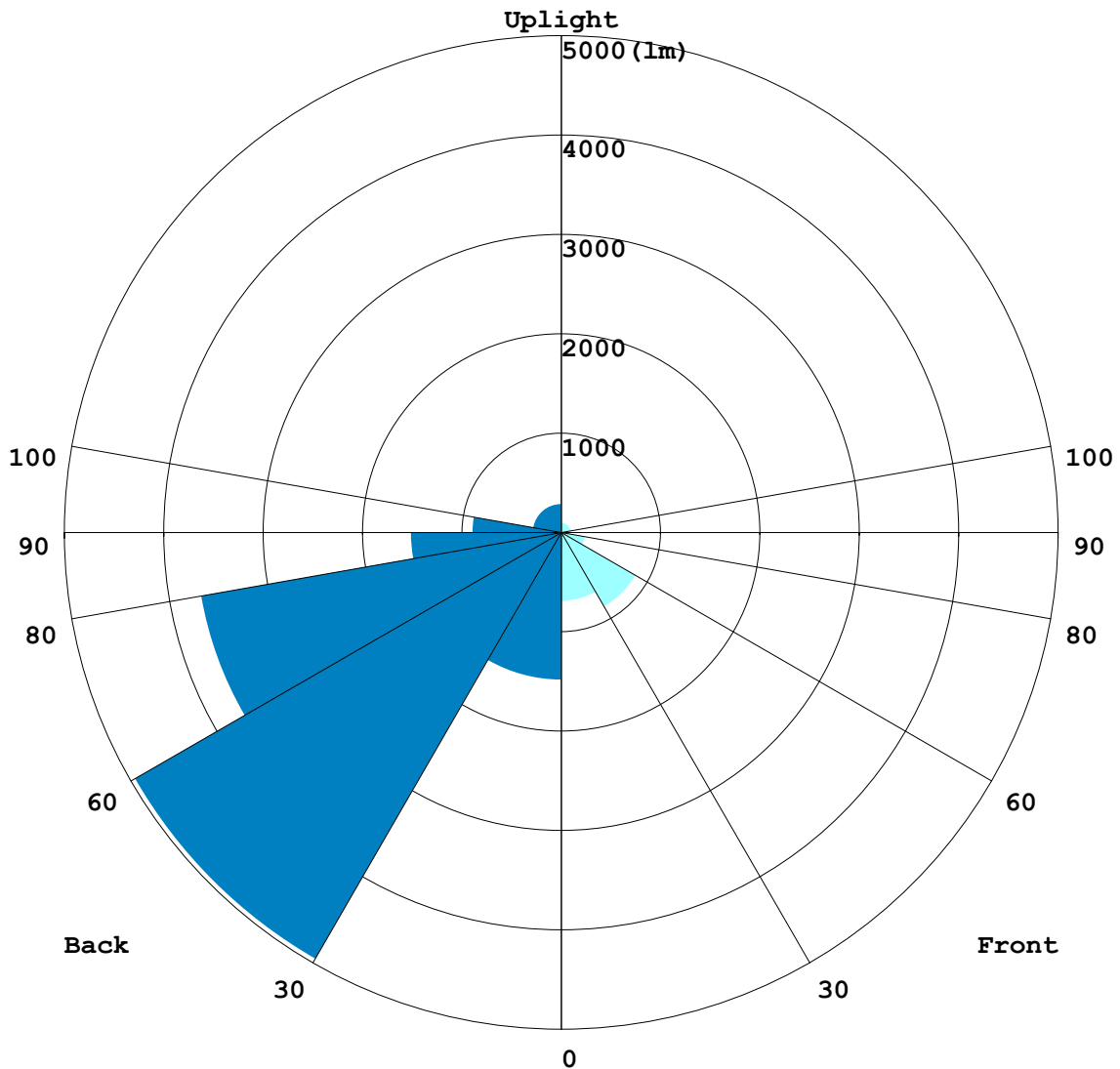
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2024-3-15

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:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	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:2024-3-15

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:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	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)	687.28	4.7
FM - Front-Medium(30-60)	862.27	5.8
FH - Front-High(60-80)	242.53	1.6
FVH - Front-Very High(80-90)	41.869	0.3
<b>Total Forward Light</b>	<b>1961.7</b>	<b>13.3</b>

BL - Back-Low(0-30)	1480.7	10.0
BM - Back-Medium(30-60)	4953.1	33.5
BH - Back-High(60-80)	3678.1	24.9
BVH - Back-Very High(80-90)	1512.9	10.2
<b>Total Back Light</b>	<b>12806</b>	<b>86.7</b>

UL - Uplight-Low(90-100)	924.02	6.3
UH - Uplight-High(100-180)	385.15	2.6
<b>Total Up Light</b>	<b>1309.2</b>	<b>8.9</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B4-U4-G5</b>
----------------------------------	-----------------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	11625	1181.4	12806
Street Side	1833.9	127.78	1961.7

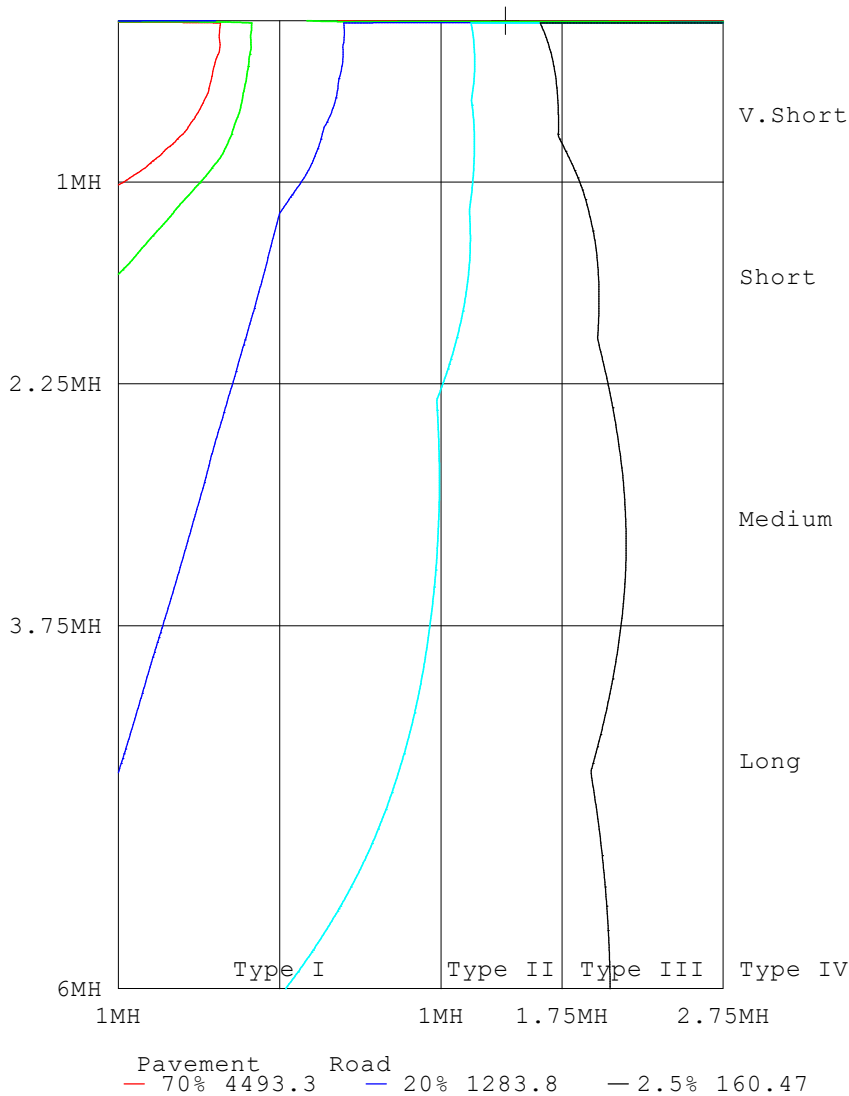
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-15

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:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	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:2024-3-15

50% 3209.5      5% 320.95

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:277.46V I:0.4359A P:109.40W PF:0.9046 Freq:50.00Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14768x1 lm		
NAME: ASD-WLP01SL-A120BR-PC	TYPE: 120W	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	2290	2286	2274	2281	2264	2273	2262	2274	2290	2286	2274	2281	2264	2273	2262	2274			
5	2271	2163	2068	2023	1994	2020	2060	2168	2292	2400	2505	2614	2633	2595	2467	2357			
10	2264	2051	1905	1820	1783	1815	1902	2048	2265	2538	2898	3206	3242	3169	2807	2493			
15	2222	1932	1735	1613	1566	1612	1736	1940	2239	2678	3283	3843	3853	3714	3276	2624			
20	2174	1811	1558	1408	1351	1409	1560	1819	2192	2893	3714	4382	4498	4291	3678	2815			
25	2106	1665	1375	1204	1143	1206	1380	1679	2142	3049	4088	4850	5031	4831	4023	2971			
30	2017	1498	1186	1010	948	1013	1193	1519	2051	3170	4423	5201	5415	5246	4376	3101			
35	1895	1312	998	823	763	826	1007	1336	1945	3254	4698	5539	5731	5468	4643	3153			
40	1721	1112	812	648	592	653	822	1138	1783	3267	4819	5779	5982	5629	4785	3179			
45	1491	918	641	495	445	499	649	942	1578	3194	4921	5815	6221	5708	4828	3050			
50	1286	751	501	368	317	373	506	771	1342	2979	4808	6055	6322	5959	4735	2817			
55	1123	610	392	267	208	271	393	627	1181	2738	4631	6040	6383	5922	4540	2615			
60	971	491	304	183	142	187	306	505	1027	2588	4394	5922	6181	5856	4276	2492			
65	827	387	229	132	95.5	132	232	399	880	2427	4125	5712	6057	5687	4009	2324			
70	681	295	163	93.0	63.2	94.6	167	306	731	2298	3839	5461	5748	5368	3755	2200			
75	524	214	118	64.7	41.8	66.2	120	223	579	2223	3527	4840	5138	4668	3415	2110			
80	345	145	85.6	46.8	28.4	48.4	87.7	149	403	2090	3122	4144	4626	4007	3021	1965			
85	168	93.3	61.2	37.1	22.9	38.4	61.5	91.0	207	1977	2846	3845	4916	3749	2845	1930			
90	92.0	73.8	53.6	35.6	25.9	37.2	53.5	69.1	102	1815	2606	3565	4248	3390	2628	1868			
95	94.6	71.2	48.9	35.3	28.5	37.5	50.8	69.3	97.3	1017	1853	2210	2647	2074	1935	1139			
100	106	66.1	43.9	35.2	31.4	37.9	46.6	65.5	105	446	949	1116	1303	1067	994	522			
105	91.9	54.4	39.5	34.8	34.1	38.2	42.9	56.4	89.4	237	380	423	389	404	410	274			
110	62.6	42.8	36.9	35.0	36.8	38.7	40.7	47.3	61.9	140	239	201	188	189	248	155			
115	37.2	35.1	35.4	36.2	39.5	39.4	39.6	41.2	39.5	70.8	120	98.2	117	96.4	124	80.6			
120	23.5	30.7	34.6	37.7	41.8	40.5	39.1	36.5	29.4	43.2	47.7	48.8	75.7	46.8	47.7	44.5			
125	20.3	28.2	34.0	39.0	43.3	41.8	38.8	33.7	25.1	27.1	22.7	17.9	42.9	16.8	20.0	26.4			
130	19.8	27.3	33.5	39.6	44.0	42.5	38.5	32.7	23.6	19.2	13.6	9.58	8.98	9.26	12.5	19.9			
135	19.4	26.7	33.1	39.6	43.9	42.6	38.1	31.9	22.6	16.4	12.3	10.4	9.75	10.1	12.7	18.5			
140	19.0	26.1	32.6	39.4	43.4	42.5	37.4	31.3	22.1	16.1	12.8	11.3	10.6	11.0	13.5	18.4			
145	18.8	25.6	32.6	39.0	42.7	42.0	37.3	30.9	21.8	16.8	14.0	12.3	11.7	12.2	14.9	19.3			
150	19.3	25.7	32.5	38.2	41.6	41.2	37.0	30.8	21.8	18.1	15.4	13.8	13.1	13.7	16.5	20.8			
155	20.4	26.3	32.2	37.2	40.2	40.1	36.6	31.2	22.5	19.3	17.1	15.7	15.1	15.7	18.4	22.4			
160	21.6	26.7	31.7	35.9	38.5	38.7	35.9	31.3	23.2	20.7	19.0	17.9	17.4	18.1	20.5	23.9			
165	22.7	26.9	31.1	34.3	36.6	36.9	34.9	31.2	23.8	21.9	20.9	20.3	20.0	20.6	22.8	25.5			
170	23.8	26.9	30.2	32.7	34.4	34.8	33.6	31.0	24.4	23.3	23.1	23.0	22.9	23.5	25.1	27.0			
175	24.7	26.7	29.1	30.8	32.0	32.4	31.9	30.5	25.0	24.8	25.4	25.8	26.0	26.4	27.5	28.4			
180	25.3	26.2	27.6	28.5	29.1	29.5	29.9	29.7	25.3	26.1	27.6	28.5	29.2	29.5	29.9	29.6			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2024-3-15

□ 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: