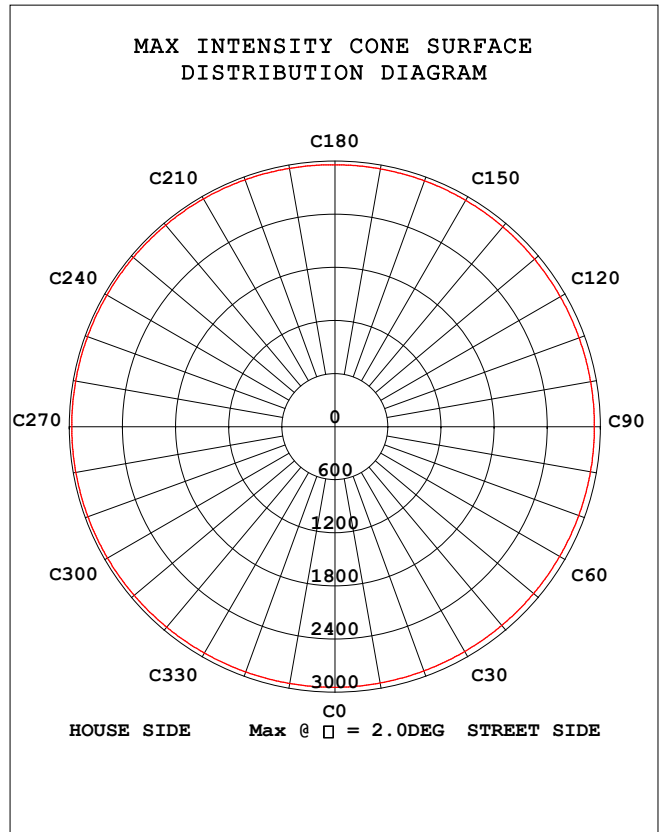
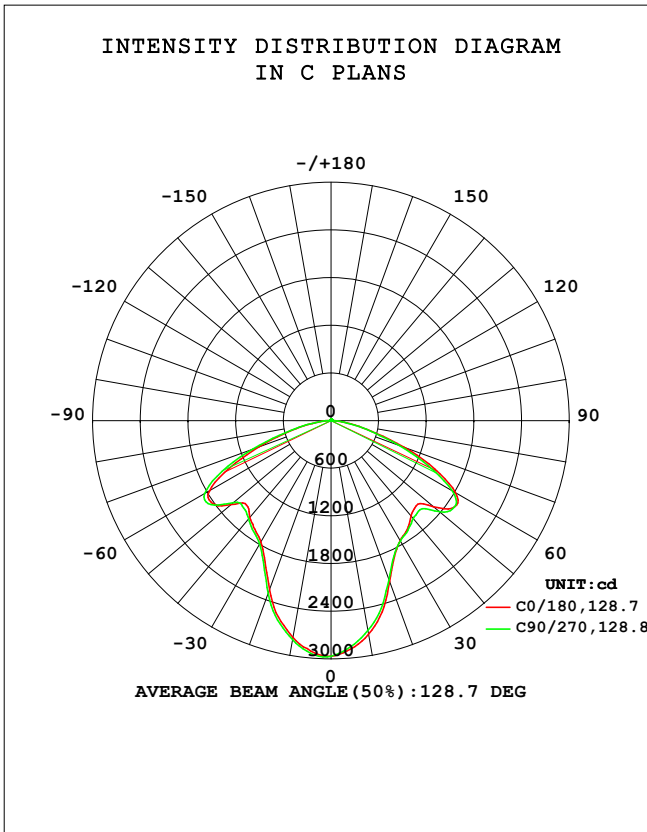


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.60 lm/W			
MODEL		I <sub>max</sub> (cd)	2975	<input type="checkbox"/> street_up (%)	0.6
NOMINAL POWER (W)	50	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	48.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	6887	<input type="checkbox"/> house_up (%)	0.6
NOMINAL FLUX (lm)	6886.77	MAXIMUM @ (C, <input type="checkbox"/> )	248,2.0	<input type="checkbox"/> house_down (%)	50.0
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.2	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	98.8	SLI	21.340

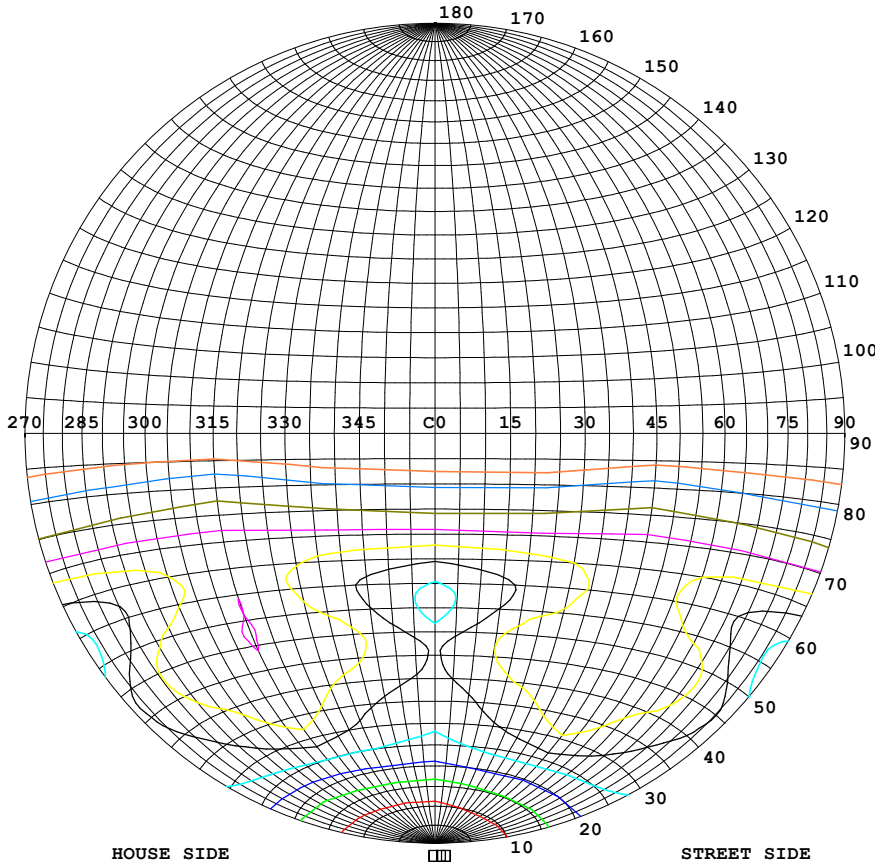


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2024-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	Shielding Angle:



Classification:

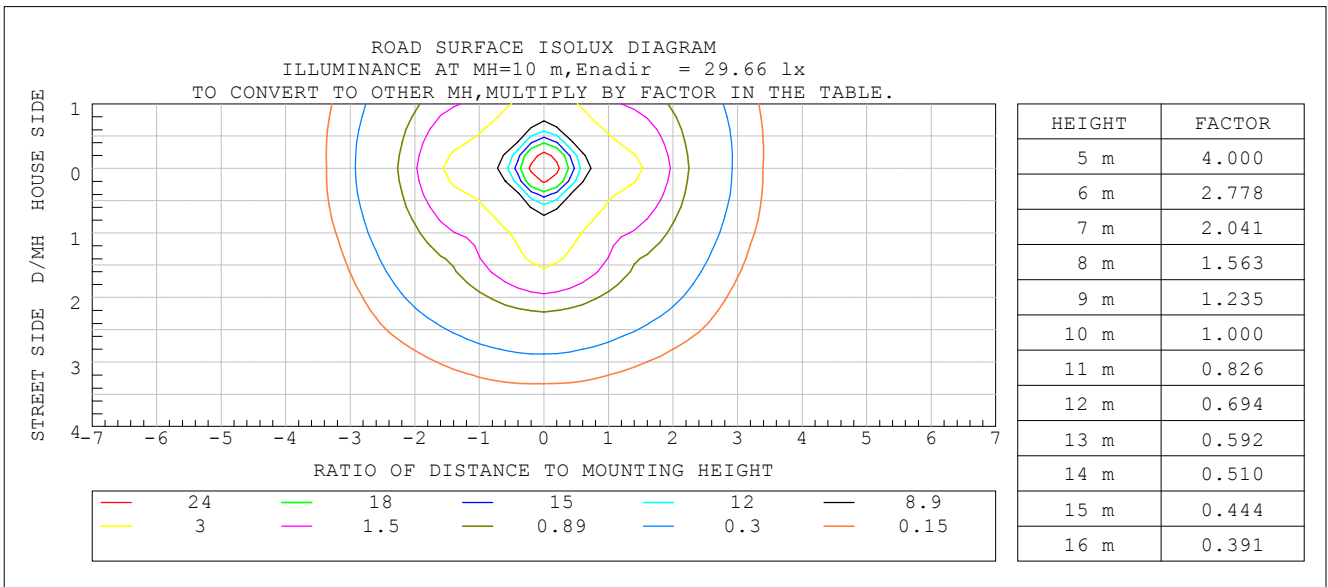
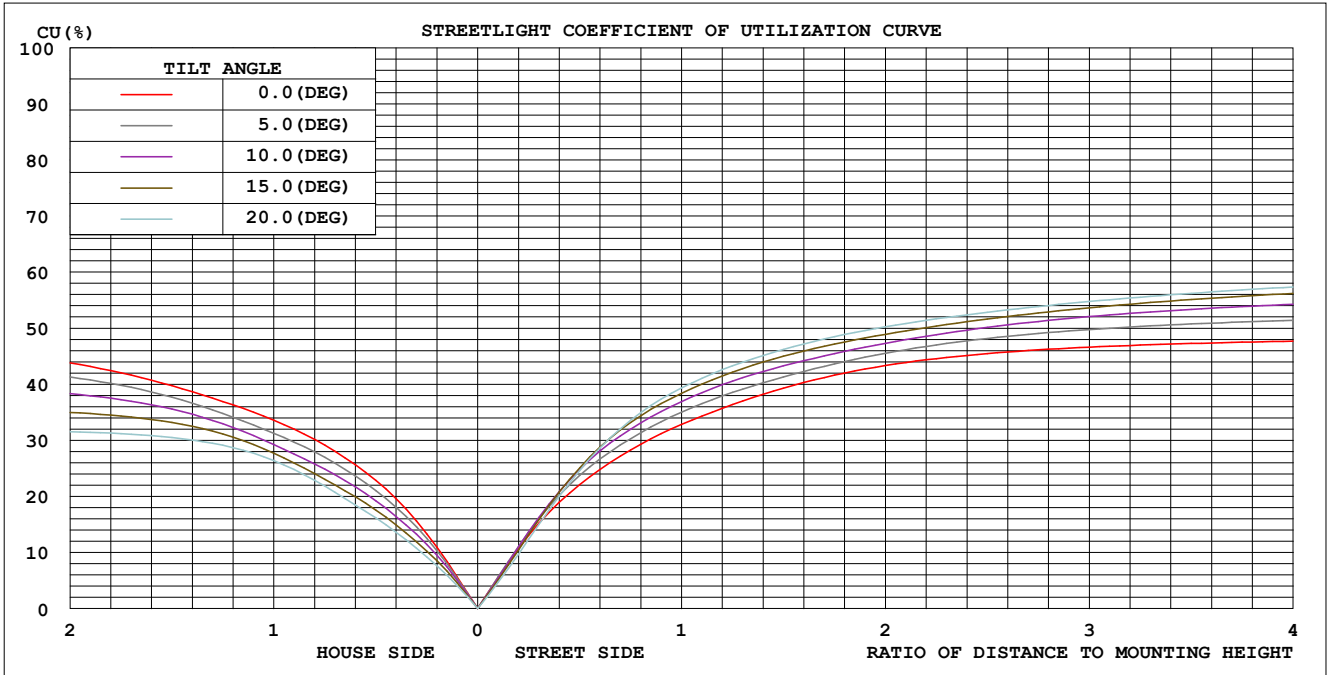
IES:Type VS - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:73.20cd/klm  
 Max.At90:5.682cd/klm  
 Max.80-90:73.20cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	2975
— 90%	2678
— 80%	2380
— 70%	2083
— 60%	1785
— 50%	1488
— 40%	1190
— 30%	893
— 20%	595
— 10%	298
— 5%	149

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: lianghaizhu  
Test Date: 2024-07-11

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity: 56%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	Shielding Angle:

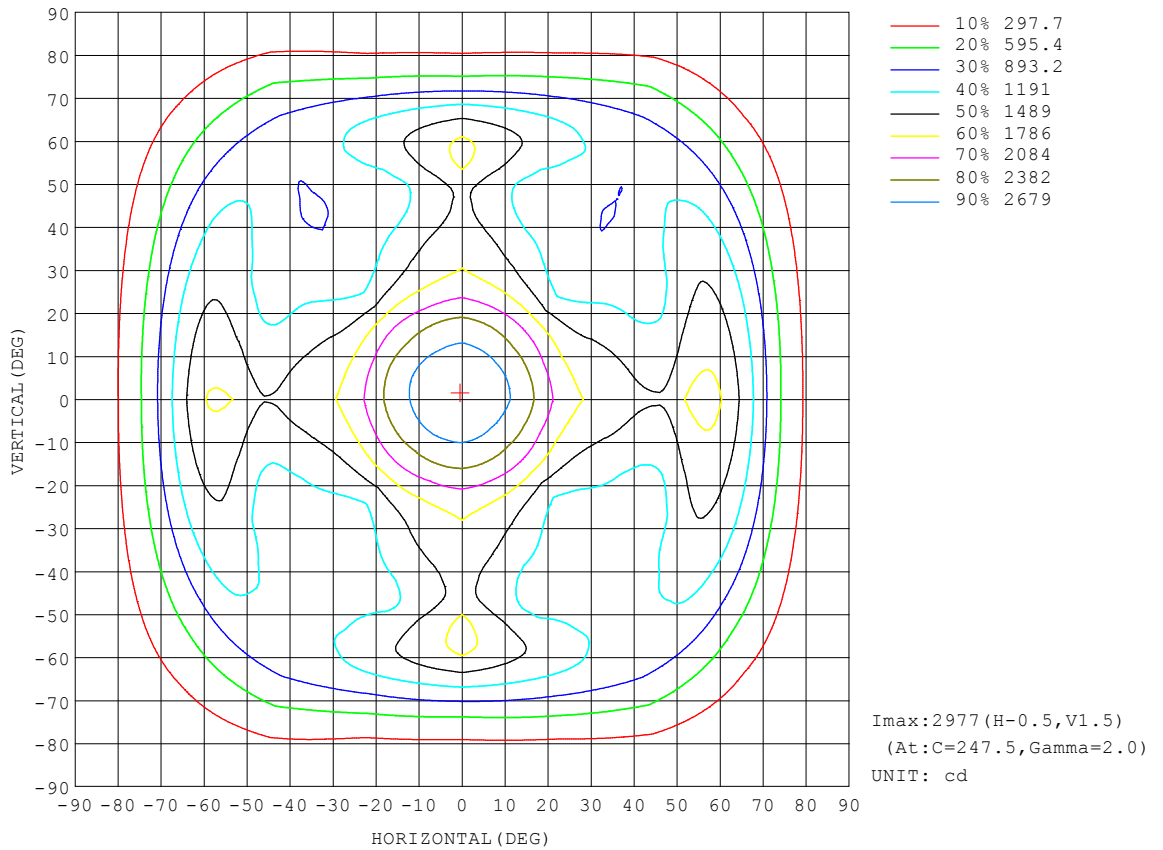
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	2731	2654	2681	2707	2769	2796	2800	2747	0- 10	271.3	271.3	3.94,3.94
20	2157	2063	2132	2152	2266	2276	2319	2185	10- 20	695.6	966.9	14,14
30	1745	1235	1749	1340	1769	1427	1797	1332	20- 30	846.2	1813	26.3,26.3
40	1571	952.5	1613	977.9	1592	927.6	1616	924.1	30- 40	873.8	2687	39,39
50	1687	922.3	1784	973.9	1647	885.2	1608	887.5	40- 50	919.2	3606	52.4,52.4
60	1807	995.5	1760	991.5	1766	889.1	1839	913.3	50- 60	1164	4770	69.3,69.3
70	979.3	966.4	911.8	949.2	962.4	992.1	1051	984.8	60- 70	1209	5979	86.8,86.8
80	254.7	386.2	247.9	417.0	294.7	504.1	319.0	459.4	70- 80	669.3	6648	96.5,96.5
90	11.89	11.03	13.84	23.73	11.90	39.13	18.99	17.30	80- 90	153.1	6801	98.8,98.8
100	12.75	10.36	12.27	17.96	12.23	17.58	13.21	10.80	90-100	14.99	6816	99,99
110	11.54	9.970	11.11	14.17	10.92	14.59	12.09	10.27	100-110	13.83	6830	99.2,99.2
120	10.89	10.67	10.81	12.75	13.17	12.64	10.91	10.68	110-120	11.43	6842	99.3,99.3
130	12.09	12.48	12.18	13.77	13.02	13.41	11.70	11.97	120-130	10.62	6852	99.5,99.5
140	14.27	14.74	14.38	15.42	14.91	15.10	13.66	14.28	130-140	10.47	6863	99.7,99.7
150	16.08	16.21	16.11	16.65	16.67	16.50	15.94	16.03	140-150	9.718	6872	99.8,99.8
160	16.99	16.93	16.99	17.29	17.65	17.11	17.22	16.76	150-160	7.731	6880	99.9,99.9
170	17.36	17.26	17.25	17.45	17.82	17.41	17.50	17.19	160-170	4.891	6885	100,100
180	17.58	17.34	17.51	17.29	17.60	17.36	17.52	17.28	170-180	1.660	6887	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

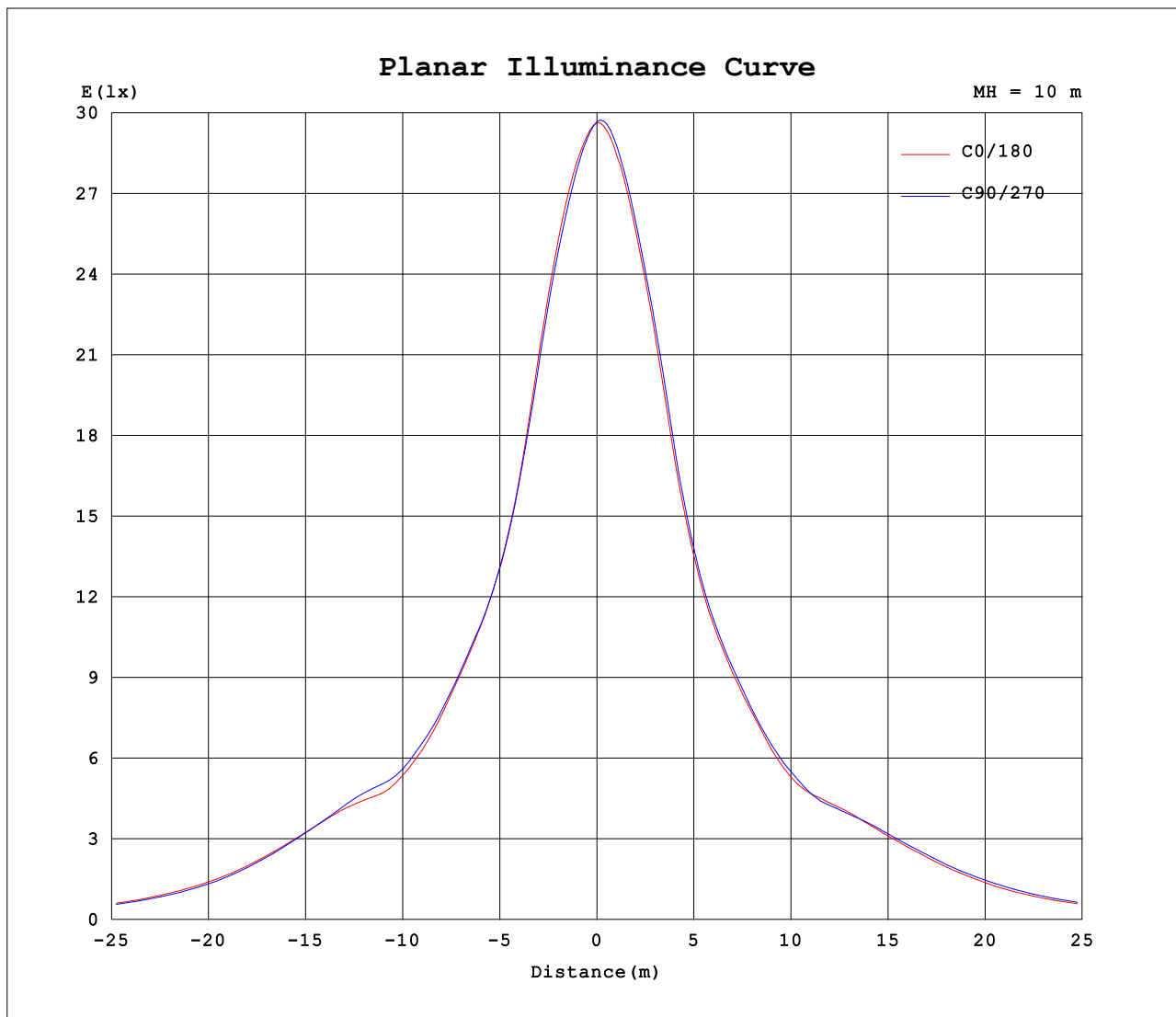
Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

### Planar Illuminance Curve



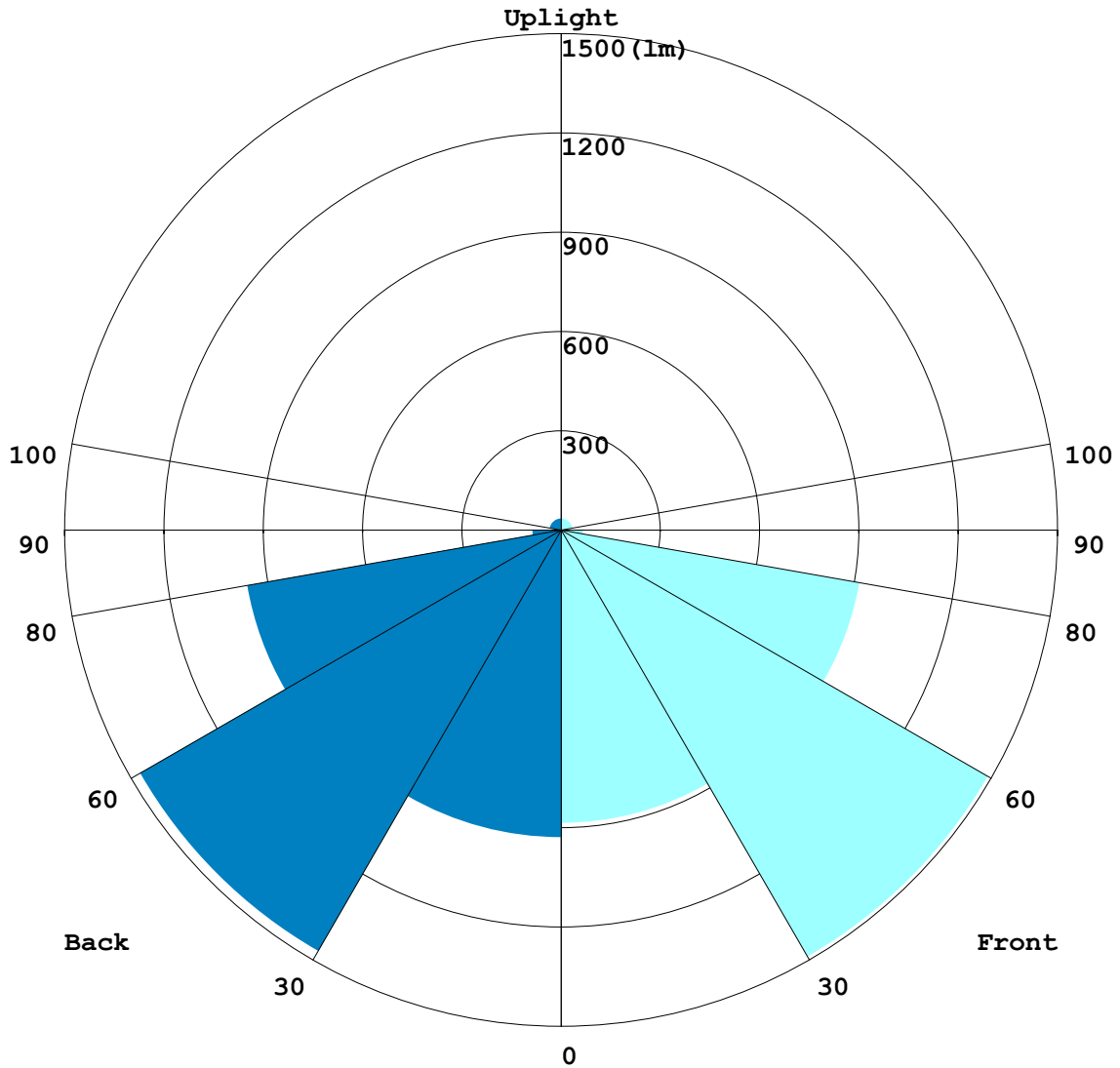
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: lianghaizhu  
Test Date: 2024-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity: 56%  
Test Distance: 6.500m [K=1.0000]  
Remarks:

LCS REPORT

Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## BUG REPORT

Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	884.93	12.8
FM - Front-Medium(30-60)	1488.4	21.6
FH - Front-High(60-80)	915.55	13.3
FVH - Front-Very High(80-90)	66.279	1.0
Total Forward Light	3397.7	49.3

BL - Back-Low(0-30)	928.15	13.5
BM - Back-Medium(30-60)	1468.4	21.3
BH - Back-High(60-80)	962.87	14.0
BVH - Back-Very High(80-90)	86.799	1.3
Total Back Light	3489.1	50.7

UL - Uplight-Low(90-100)	14.994	0.2
UH - Uplight-High(100-180)	70.352	1.0
Total Up Light	85.346	1.2

BUG(Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3446.3	42.835	3489.1
Street Side	3355.2	42.511	3397.7

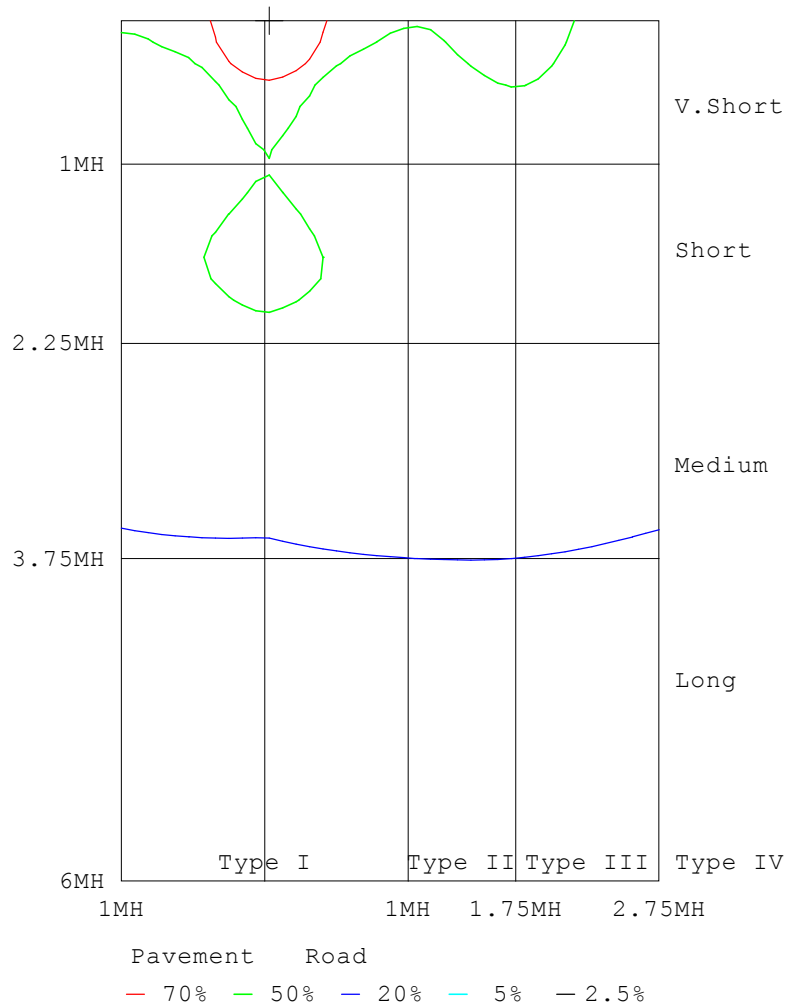
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:lianghaizhu  
Test Date:2024-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:121.9V I:0.4087A P:49.69W PF:0.9972 Freq:59.98Hz Lamp Flux:6886.77x1 lm		
NAME: ASD-CAN09S-A50BK-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.26*0.26	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	2965	2965	2965	2965	2965	2965	2965	2965	2965	2965	2965	2965	2965	2965	2965	2965			
5	2885	2860	2847	2850	2857	2863	2879	2899	2913	2935	2930	2937	2939	2927	2909	2897			
10	2731	2681	2654	2660	2681	2683	2707	2736	2769	2798	2796	2787	2800	2772	2747	2741			
15	2490	2422	2394	2412	2445	2443	2453	2499	2562	2577	2557	2570	2599	2546	2495	2486			
20	2157	2056	2063	2078	2132	2108	2152	2196	2266	2274	2276	2285	2319	2255	2185	2132			
25	1891	1703	1629	1741	1878	1781	1757	1838	1968	1901	1908	1914	2006	1886	1777	1790			
30	1745	1488	1235	1525	1749	1562	1340	1551	1769	1617	1427	1626	1797	1599	1332	1569			
35	1672	1346	1009	1378	1688	1447	1071	1371	1671	1459	1085	1447	1704	1415	1037	1444			
40	1571	1188	953	1215	1613	1306	978	1216	1592	1322	928	1283	1616	1251	924	1291			
45	1520	1052	957	1090	1586	1176	985	1053	1504	1135	916	1113	1558	1089	923	1125			
50	1687	1036	922	1057	1784	1125	974	1016	1647	1058	885	1017	1608	1004	887	1070			
55	1896	1279	944	1273	1896	1315	943	1210	1820	1199	845	1167	1846	1167	885	1263			
60	1807	1403	996	1398	1760	1414	991	1339	1766	1331	889	1333	1839	1349	913	1398			
65	1443	1247	1082	1239	1353	1234	1064	1232	1404	1264	1011	1281	1513	1283	1015	1257			
70	979	935	966	928	912	894	949	931	962	1003	992	1003	1051	1016	985	980			
75	535	560	668	579	521	548	672	596	567	662	762	644	599	658	736	614			
80	255	262	386	285	248	267	417	323	295	387	504	356	319	363	459	310			
85	76.9	66.8	116	99.2	88.1	100	168	128	116	155	221	146	116	140	161	92.6			
90	11.9	10.7	11.0	12.7	13.8	17.0	23.7	25.8	11.9	32.4	39.1	20.7	19.0	18.6	17.3	13.1			
95	12.3	10.7	10.0	11.0	12.0	13.4	18.0	18.8	11.6	19.1	17.3	13.2	12.4	11.1	10.3	10.7			
100	12.8	11.1	10.4	11.3	12.3	13.5	18.0	19.2	12.2	19.8	17.6	13.6	13.2	11.7	10.8	11.1			
105	12.4	10.9	10.2	11.0	11.8	13.0	16.3	18.2	11.9	18.5	16.5	13.4	13.2	11.7	10.6	11.1			
110	11.5	10.5	9.97	10.5	11.1	12.1	14.2	15.7	10.9	15.9	14.6	12.5	12.1	11.0	10.3	10.7			
115	11.0	10.2	10.1	10.4	10.8	11.5	13.0	13.5	10.5	13.6	13.0	11.8	11.2	10.4	10.2	10.6			
120	10.9	10.3	10.7	10.6	10.8	11.3	12.7	13.5	13.2	13.4	12.6	11.4	10.9	10.4	10.7	10.5			
125	11.3	11.1	11.4	11.2	11.3	12.0	13.1	13.0	12.7	12.9	12.8	11.7	11.1	10.8	11.0	10.9			
130	12.1	12.2	12.5	12.1	12.2	13.1	13.8	13.4	13.0	13.1	13.4	12.6	11.7	11.5	12.0	11.9			
135	13.1	13.3	13.6	13.2	13.3	14.1	14.6	14.1	13.9	14.0	14.3	13.7	12.7	12.6	12.9	13.1			
140	14.3	14.4	14.7	14.4	14.4	15.1	15.4	15.1	14.9	15.0	15.1	14.8	13.7	13.9	14.3	14.2			
145	15.3	15.4	15.6	15.3	15.4	15.9	16.1	15.9	15.9	15.9	15.9	15.6	14.9	14.9	15.3	15.3			
150	16.1	16.1	16.2	16.1	16.1	16.5	16.7	16.6	16.7	16.6	16.5	16.3	15.9	15.7	16.0	16.0			
155	16.7	16.6	16.7	16.6	16.7	16.9	17.1	17.1	17.2	17.1	16.9	16.6	16.7	16.4	16.4	16.5			
160	17.0	16.9	16.9	16.9	17.0	17.1	17.3	17.5	17.6	17.4	17.1	16.9	17.2	17.0	16.8	16.9			
165	17.2	17.1	17.1	17.1	17.1	17.2	17.4	17.5	17.8	17.6	17.2	17.3	17.5	17.3	17.0	17.1			
170	17.4	17.3	17.3	17.2	17.3	17.3	17.5	17.5	17.8	17.6	17.4	17.3	17.5	17.4	17.2	17.2			
175	17.5	17.4	17.3	17.2	17.4	17.3	17.4	17.4	17.7	17.6	17.4	17.3	17.5	17.4	17.3	17.3			
180	17.6	17.4	17.3	17.3	17.5	17.4	17.3	17.3	17.6	17.4	17.4	17.3	17.5	17.4	17.3	17.3			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks: