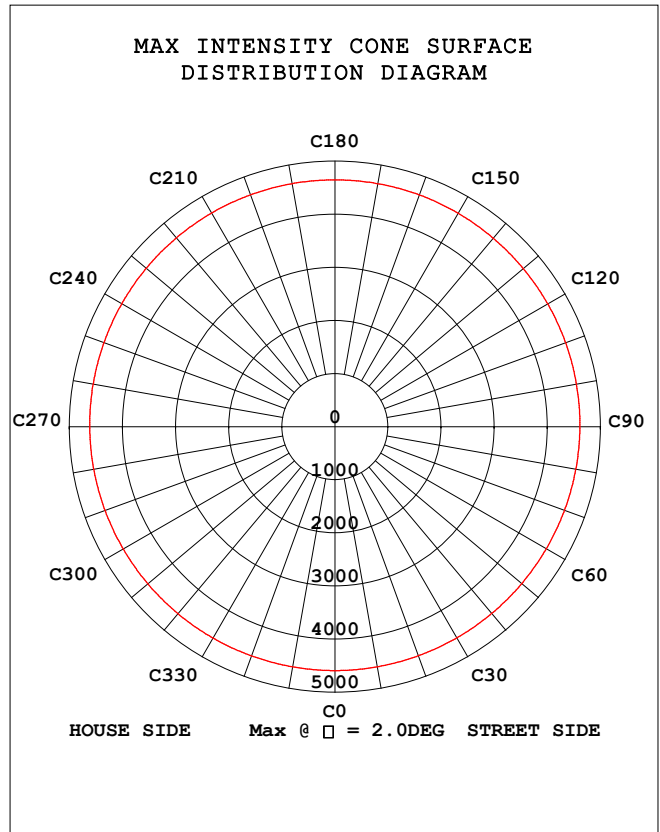
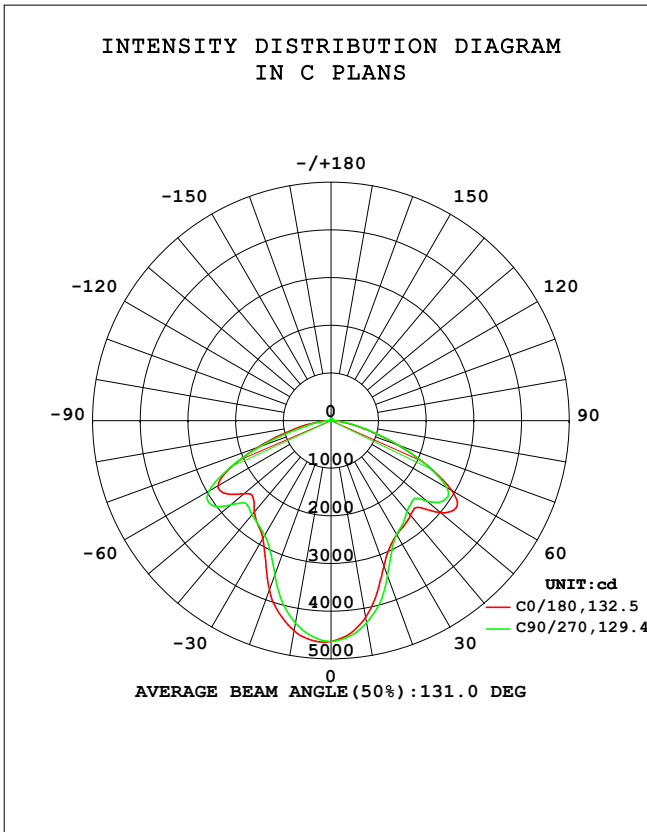


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.72 lm/W			
MODEL		Imax(cd)	4649	<input type="checkbox"/> street_up(%)	0.6
NOMINAL POWER(W)	80	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	49.1
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	11033	<input type="checkbox"/> house_up(%)	0.7
NOMINAL FLUX(lm)	11033.2	MAXIMUM @ (C,□)	203,2.0	<input type="checkbox"/> house_down(%)	49.6
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	1.3	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	98.7	SLI	21.995

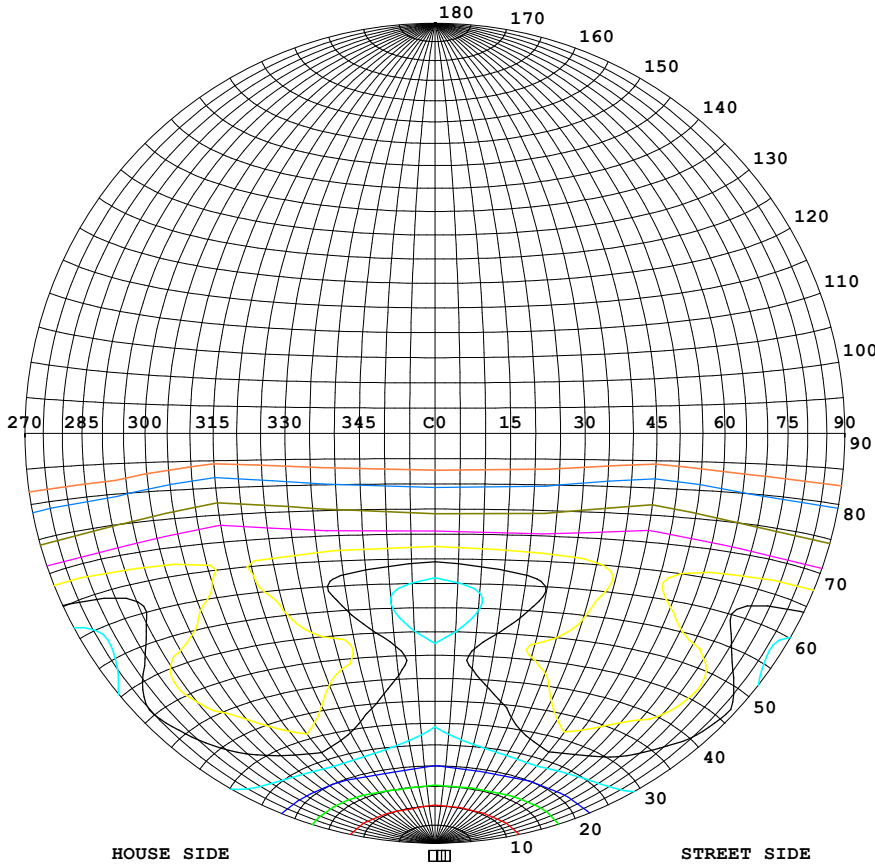


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-11

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:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	Shielding Angle:



Classification:

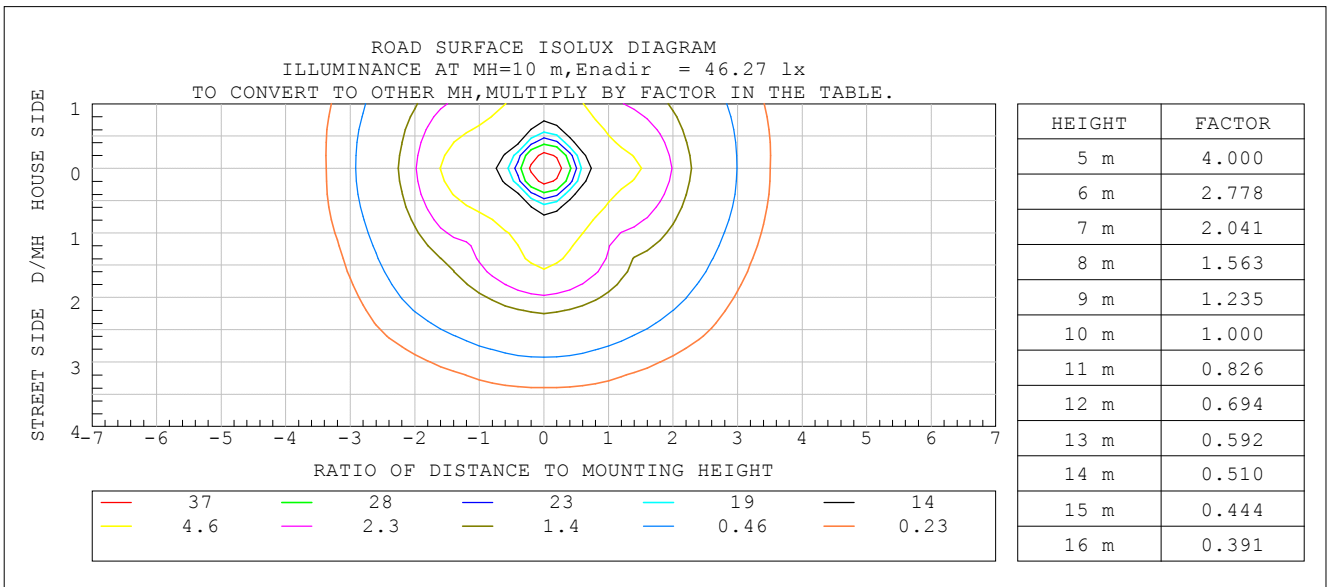
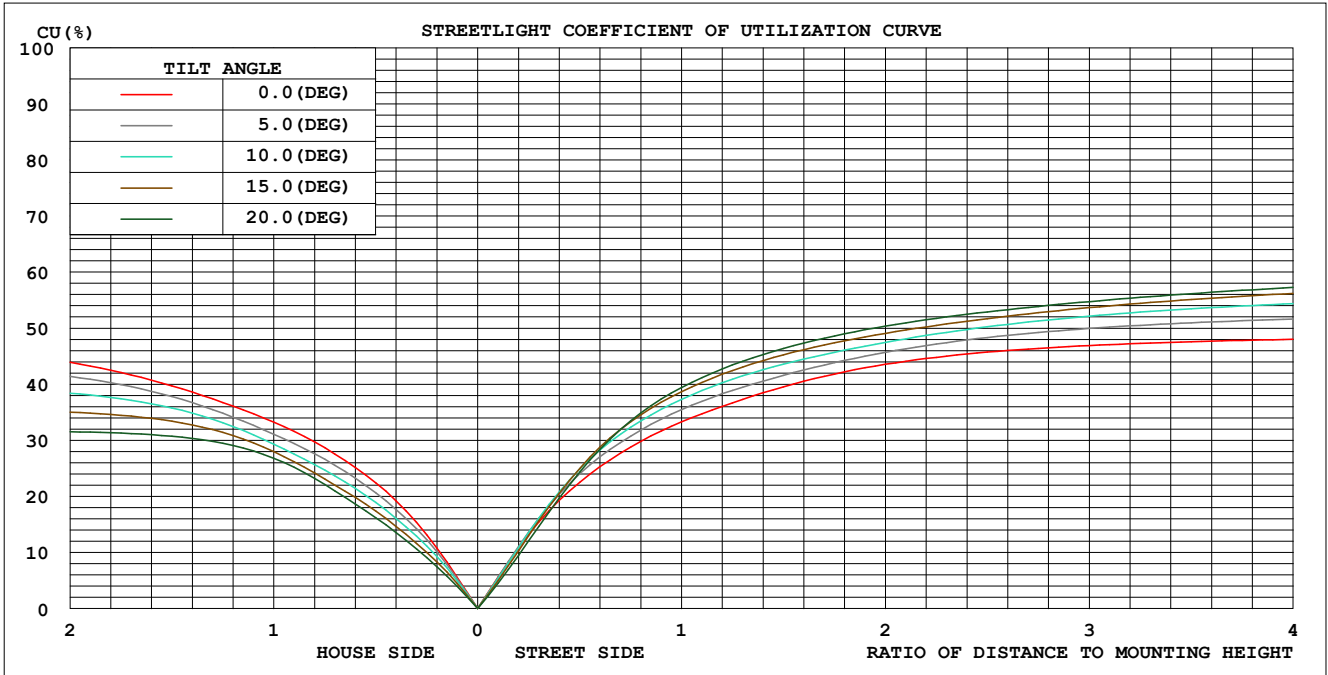
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:63.67cd/klm
 Max.At90:5.607cd/klm
 Max.80-90:63.67cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4649
90%	4184
80%	3719
70%	3254
60%	2789
50%	2324
40%	1859
30%	1395
20%	930
10%	465
5%	232

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:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	Shielding Angle:

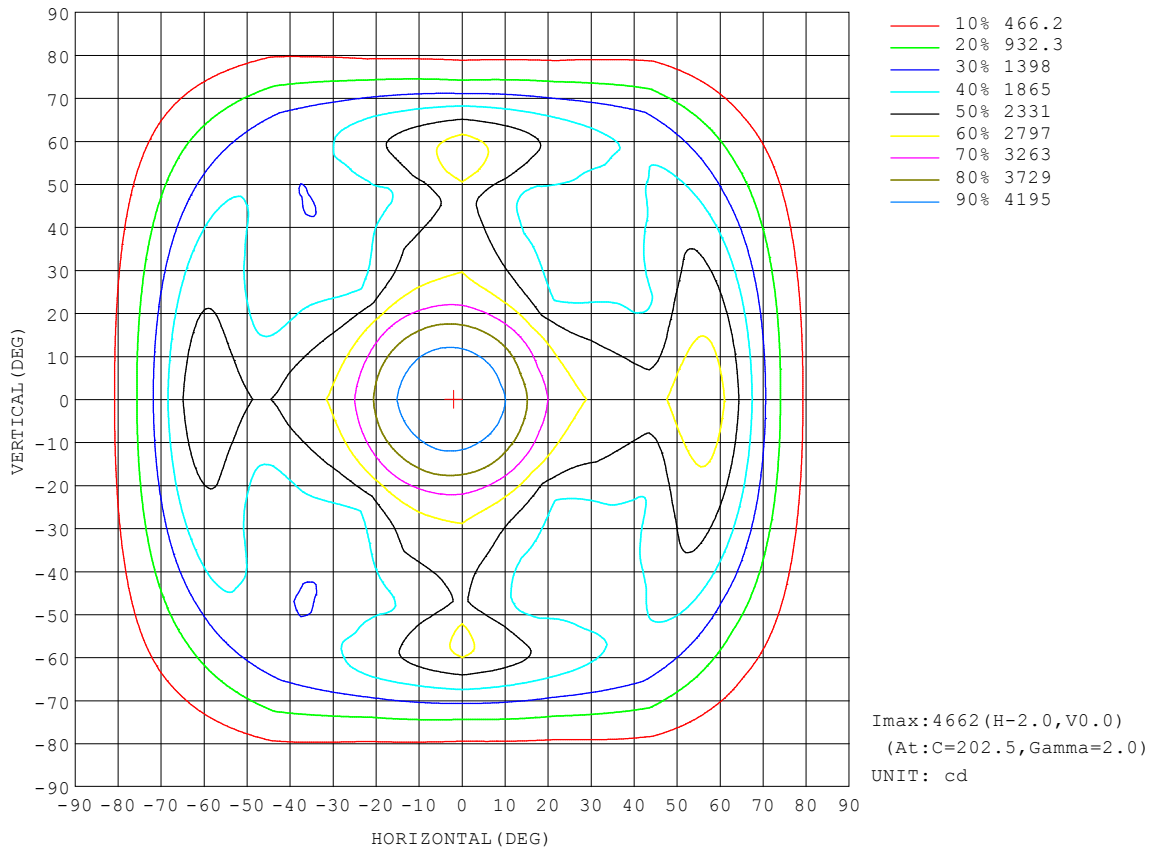
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	4191	4205	4305	4413	4476	4417	4311	4209	0- 10	426.6	426.6	3.87,3.87
20	3250	3232	3465	3667	3786	3656	3446	3228	10- 20	1100	1527	13.8,13.8
30	2761	1984	2758	2386	2864	2334	2784	1952	20- 30	1351	2878	26.1,26.1
40	2599	1549	2486	1567	2509	1518	2575	1523	30- 40	1404	4283	38.8,38.8
50	3003	1554	2633	1472	2390	1459	2755	1598	40- 50	1494	5776	52.4,52.4
60	2916	1638	2799	1415	2743	1427	2955	1656	50- 60	1884	7660	69.4,69.4
70	1479	1573	1501	1517	1632	1567	1558	1650	60- 70	1941	9602	87,87
80	404.7	636.9	416.8	702.5	537.1	685.2	380.3	650.2	70- 80	1064	10666	96.7,96.7
90	20.88	17.81	18.45	40.24	19.39	54.48	23.43	24.19	80- 90	223.8	10890	98.7,98.7
100	21.04	17.38	20.15	29.39	18.83	29.78	21.64	17.97	90-100	25.32	10915	98.9,98.9
110	18.71	16.33	18.36	23.79	17.97	25.30	19.90	17.33	100-110	23.91	10939	99.1,99.1
120	17.50	17.25	17.65	21.12	22.90	21.98	17.60	17.71	110-120	19.94	10959	99.3,99.3
130	19.66	20.09	19.61	22.48	21.95	22.82	18.55	20.06	120-130	17.64	10977	99.5,99.5
140	23.07	23.67	23.09	25.28	24.66	25.37	23.28	22.74	130-140	17.21	10994	99.6,99.6
150	25.76	26.09	26.16	27.36	27.65	27.47	26.46	25.59	140-150	15.89	11010	99.8,99.8
160	27.33	27.55	28.01	28.59	29.61	28.48	28.33	26.78	150-160	12.66	11022	99.9,99.9
170	28.29	28.46	28.68	29.07	30.04	29.04	28.97	27.69	160-170	8.050	11030	100,100
180	29.06	28.63	28.92	28.19	29.11	28.68	28.95	28.21	170-180	2.741	11033	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

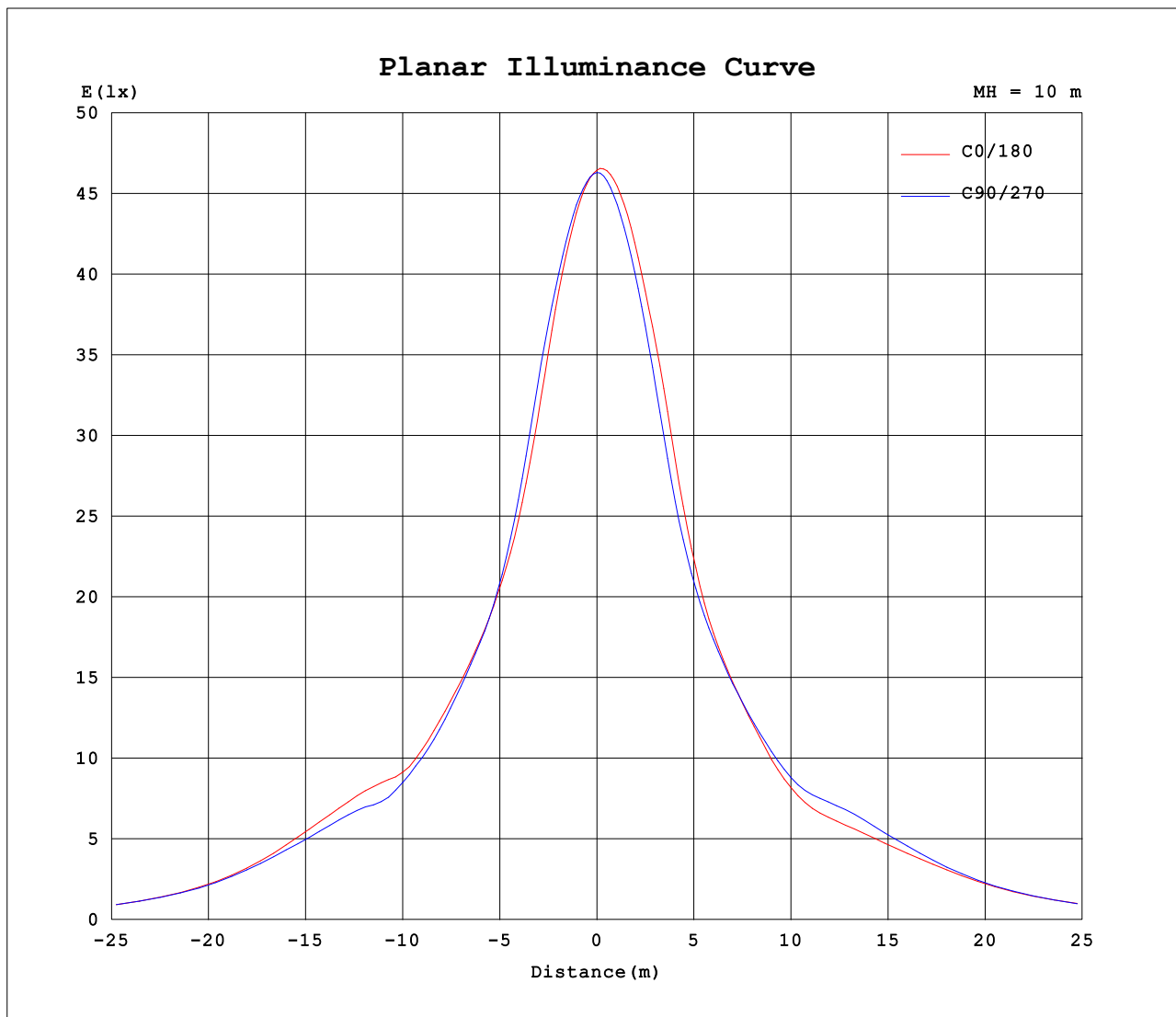
Test:U:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	Shielding Angle:



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



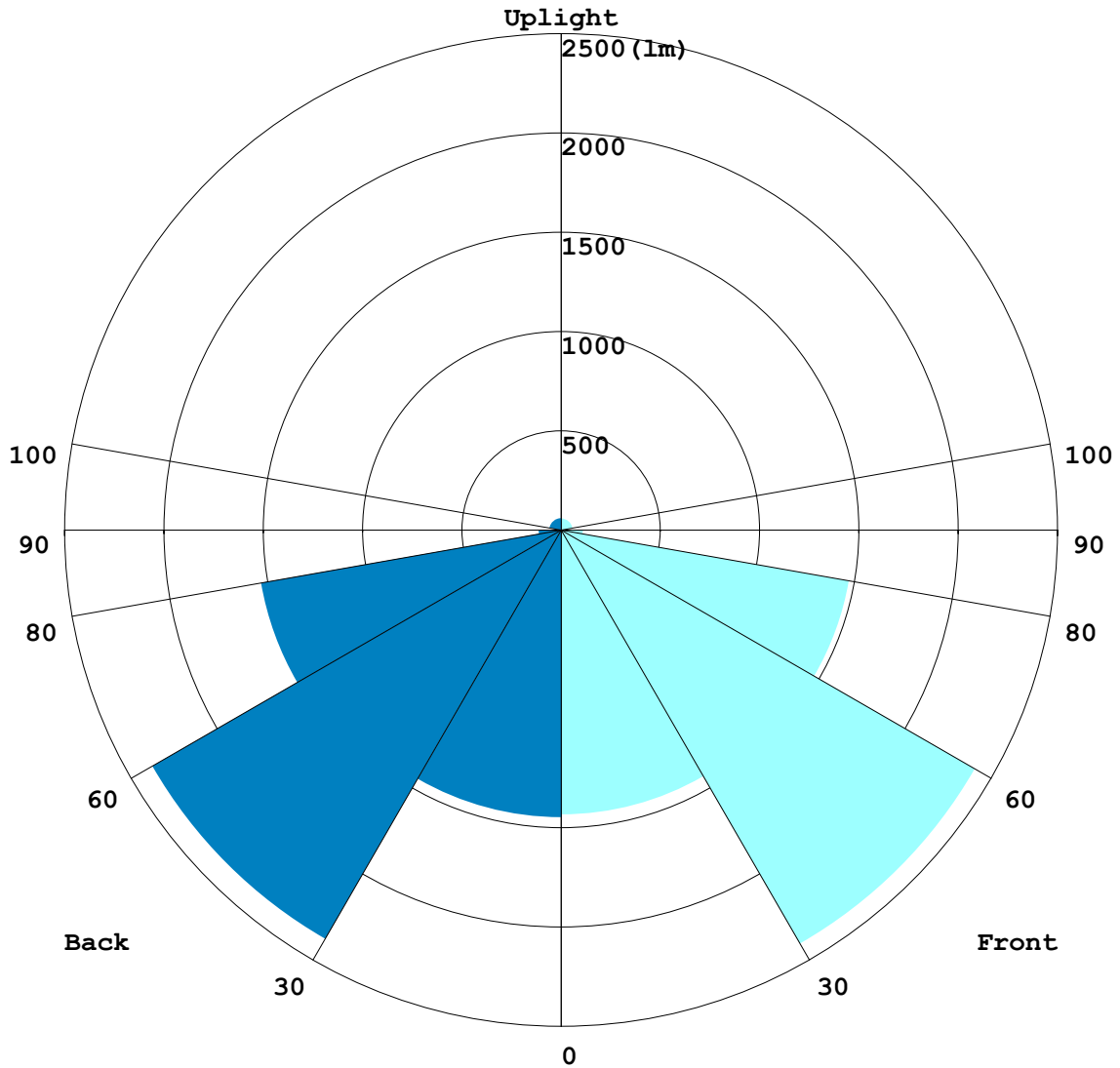
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2024-07-11

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:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	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:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1432.1	13.0
FM - Front-Medium(30-60)	2405.4	21.8
FH - Front-High(60-80)	1471.7	13.3
FVH - Front-Very High(80-90)	109.85	1.0
Total Forward Light	5489.8	49.8

BL - Back-Low(0-30)	1446.1	13.1
BM - Back-Medium(30-60)	2376.8	21.5
BH - Back-High(60-80)	1534	13.9
BVH - Back-Very High(80-90)	113.93	1.0
Total Back Light	5543.5	50.2

UL - Uplight-Low(90-100)	25.323	0.2
UH - Uplight-High(100-180)	118.04	1.1
Total Up Light	143.36	1.3

BUG(Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5470.8	72.625	5543.5
Street Side	5419	70.738	5489.8

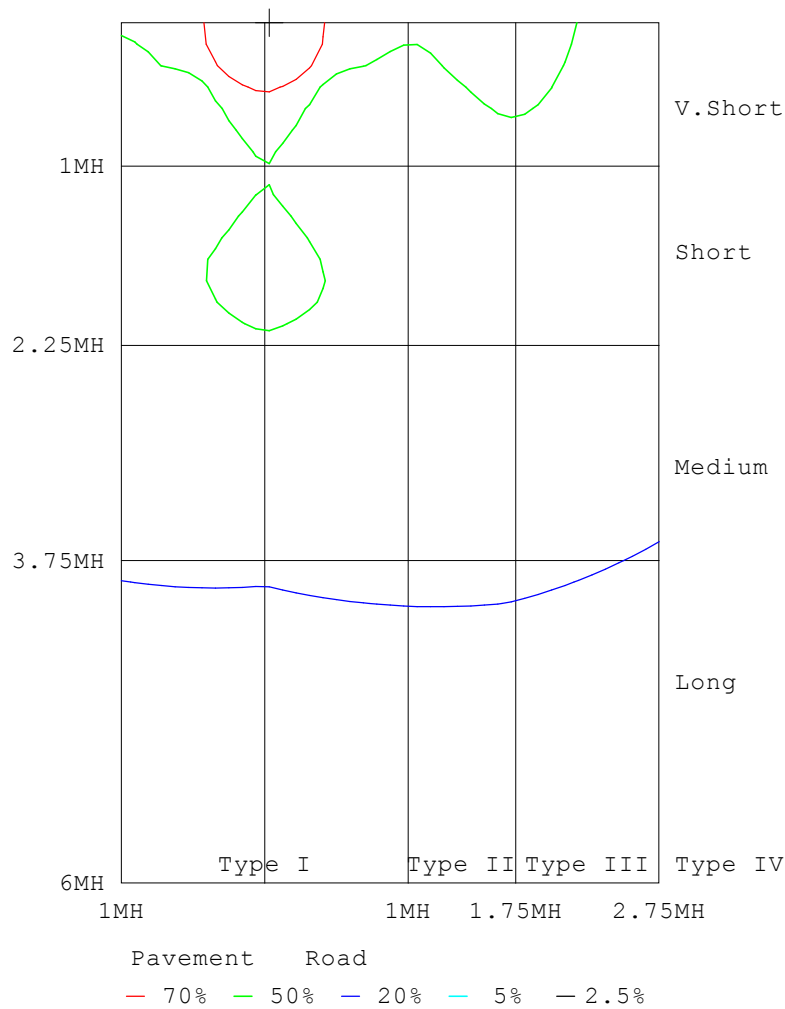
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-07-11

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:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	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:120.8V I:0.6738A P:80.70W PF:0.9912 Freq:59.99Hz Lamp Flux:11033.2x1 lm		
NAME: ASD-CAN09S-A80BK-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.25*0.25m	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	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633	4633			
5	4488	4482	4488	4507	4538	4567	4588	4618	4627	4620	4600	4572	4541	4511	4498	4486			
10	4191	4184	4205	4243	4305	4366	4413	4460	4476	4457	4417	4369	4311	4250	4209	4175			
15	3737	3739	3783	3868	3967	4052	4093	4159	4191	4148	4102	4035	3947	3859	3789	3711			
20	3250	3190	3232	3339	3465	3573	3667	3750	3786	3730	3656	3555	3446	3316	3228	3173			
25	2927	2752	2562	2783	3018	3052	3083	3174	3254	3134	3061	3028	3020	2768	2551	2743			
30	2761	2484	1984	2348	2758	2659	2386	2662	2864	2616	2334	2652	2784	2381	1952	2459			
35	2683	2296	1649	2070	2634	2441	1823	2312	2674	2278	1788	2423	2665	2119	1624	2239			
40	2599	2106	1549	1809	2486	2202	1567	2033	2509	2011	1518	2215	2575	1895	1523	2033			
45	2580	1910	1576	1658	2407	1965	1525	1736	2311	1697	1485	1985	2494	1722	1566	1836			
50	3003	2009	1554	1612	2633	1787	1472	1560	2390	1544	1459	1812	2755	1719	1598	1943			
55	3201	2290	1536	1997	2902	2025	1352	1741	2676	1746	1361	2052	3072	2075	1542	2240			
60	2916	2393	1638	2235	2799	2184	1415	2007	2743	1989	1427	2263	2955	2293	1656	2375			
65	2235	2020	1757	1989	2207	1994	1562	1960	2311	2001	1597	2091	2346	2110	1821	2057			
70	1479	1437	1573	1485	1501	1486	1517	1548	1632	1608	1567	1603	1558	1570	1650	1518			
75	828	871	1108	911	869	937	1145	1041	991	1121	1217	980	816	932	1194	956			
80	405	442	637	455	417	494	702	583	537	634	685	462	380	435	650	478			
85	137	145	190	124	115	156	254	233	207	239	235	138	101	123	200	159			
90	20.9	19.2	17.8	18.1	18.5	25.0	40.2	60.3	19.4	61.9	54.5	29.9	23.4	22.3	24.2	20.6			
95	20.1	17.7	16.7	18.0	19.4	21.5	29.1	38.8	17.8	37.9	29.0	21.9	20.2	18.2	17.0	18.8			
100	21.0	18.2	17.4	18.7	20.1	21.9	29.4	40.2	18.8	39.5	29.8	22.8	21.6	19.3	18.0	19.9			
105	20.4	17.7	17.0	18.4	19.6	21.2	27.2	38.3	18.3	37.6	28.4	22.1	21.7	19.3	17.9	19.6			
110	18.7	16.9	16.3	17.4	18.4	20.0	23.8	32.9	18.0	34.1	25.3	20.9	19.9	18.1	17.3	18.4			
115	17.6	16.5	16.4	16.9	17.7	19.1	21.6	26.6	26.7	27.4	22.7	20.2	18.3	17.2	17.2	17.5			
120	17.5	16.7	17.3	17.0	17.7	18.9	21.1	22.8	22.9	23.3	22.0	19.5	17.6	17.1	17.7	17.3			
125	18.3	18.1	18.5	18.0	18.4	19.9	21.5	21.6	21.8	22.0	22.0	20.3	17.5	17.9	18.7	18.5			
130	19.7	19.9	20.1	19.4	19.6	21.7	22.5	22.0	22.0	22.2	22.8	21.7	18.6	19.2	20.1	20.2			
135	21.4	21.6	21.9	21.1	21.3	23.1	23.9	23.1	23.0	23.2	24.0	23.4	21.2	20.0	21.4	21.8			
140	23.1	23.3	23.7	22.8	23.1	24.7	25.3	24.6	24.7	24.7	25.4	25.1	23.3	22.6	22.7	23.4			
145	24.6	24.8	25.1	24.4	24.8	26.1	26.5	26.1	26.3	26.3	26.5	26.4	25.0	24.2	24.6	24.4			
150	25.8	25.9	26.1	25.7	26.2	27.2	27.4	27.3	27.7	27.5	27.5	27.5	26.5	25.6	25.6	25.9			
155	26.7	26.7	26.9	26.8	27.3	27.9	28.0	28.2	28.8	28.5	28.1	28.1	27.6	26.7	26.3	26.5			
160	27.3	27.3	27.6	27.5	28.0	28.4	28.6	28.9	29.6	28.8	28.5	28.5	28.3	27.6	26.8	26.9			
165	27.9	27.9	28.2	28.0	28.5	28.9	29.0	29.2	30.1	28.9	28.8	28.6	28.8	28.1	27.3	27.3			
170	28.3	28.4	28.5	28.2	28.7	29.0	29.1	29.0	30.0	29.5	29.0	28.7	29.0	28.5	27.7	27.7			
175	28.7	28.7	28.5	28.2	28.8	28.9	28.6	28.7	29.8	29.5	28.8	28.7	29.0	28.7	27.9	28.0			
180	29.1	28.9	28.6	28.5	28.9	28.8	28.2	28.2	29.1	28.9	28.7	28.5	28.9	28.7	28.2	28.2			

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: