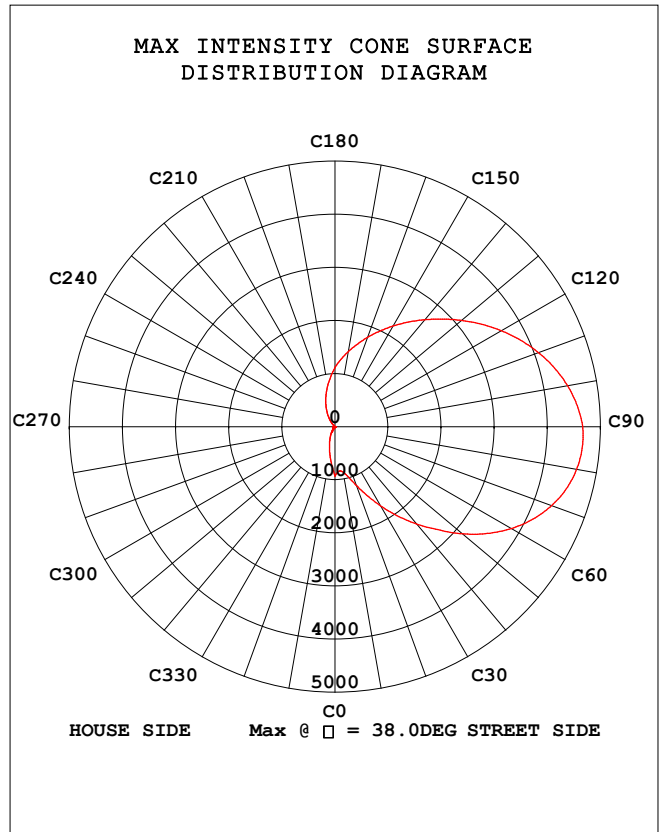
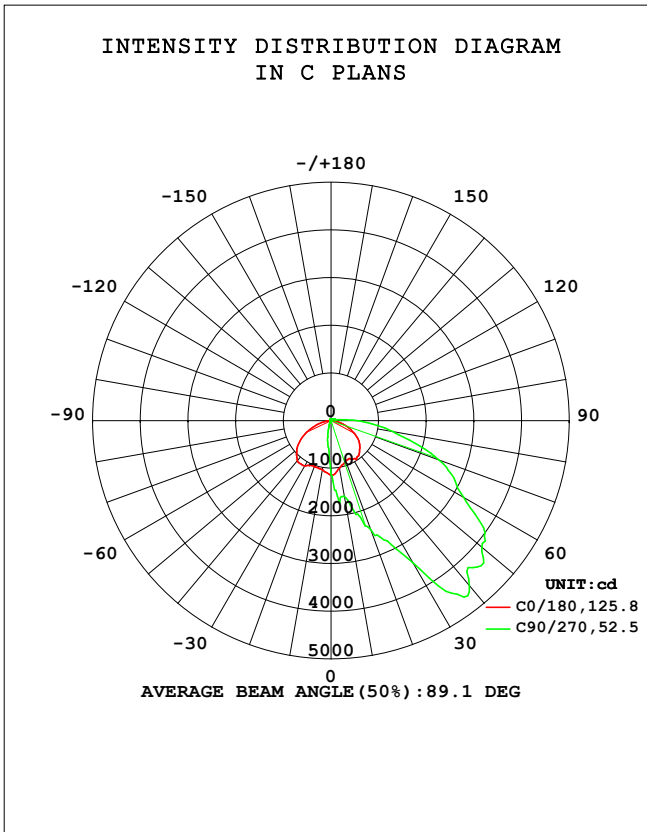


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.8V I:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.53 lm/W			
MODEL		Imax(cd)	4664	<input type="checkbox"/> street_up(%)	2.8
NOMINAL POWER(W)	50	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	86.8
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6577	<input type="checkbox"/> house_up(%)	1.2
NOMINAL FLUX(lm)	6577.19	MAXIMUM @ (C, <input type="checkbox"/>)	90,38.0	<input type="checkbox"/> house_down(%)	9.2
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	4.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	96.0	SLI	19.999

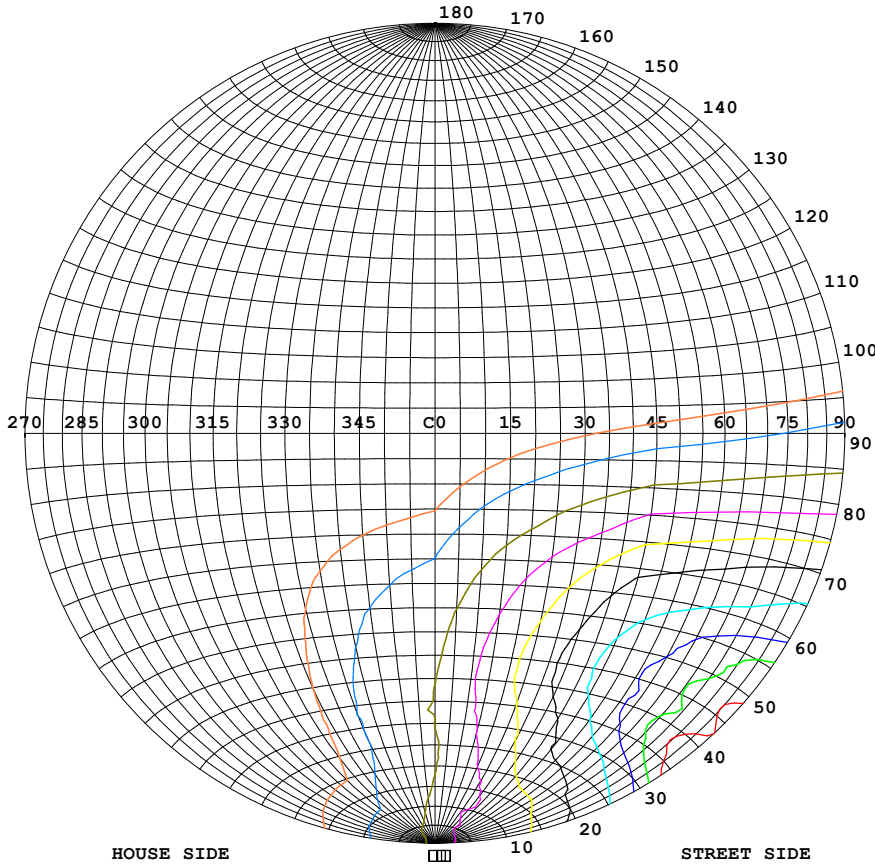


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-03

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:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:



Classification:

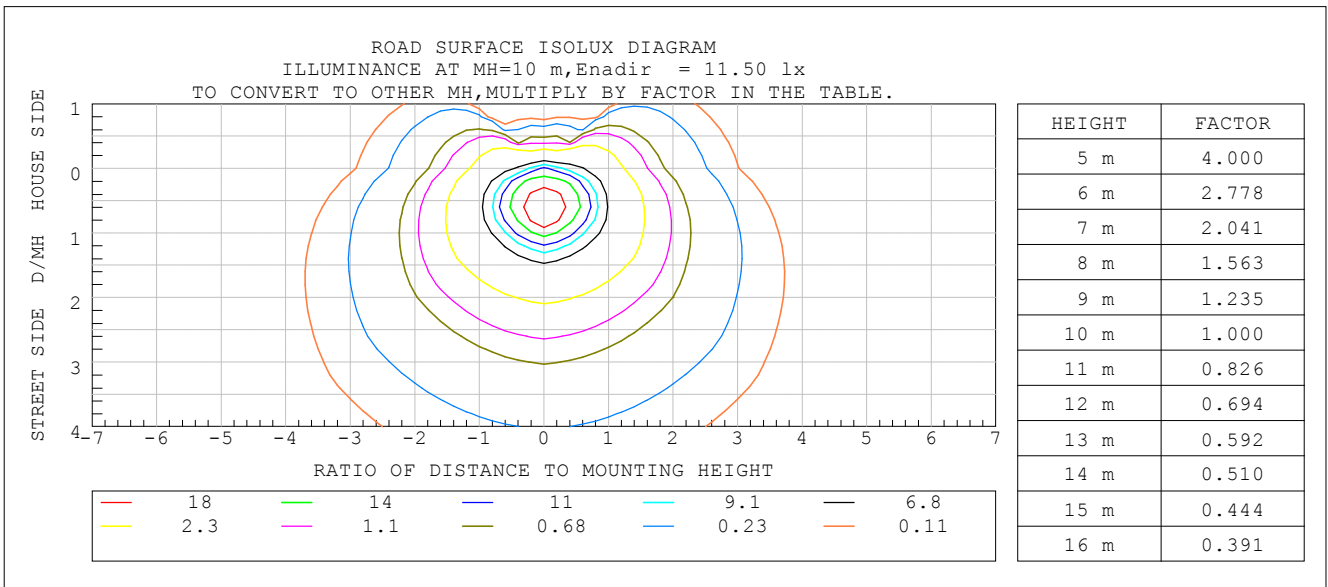
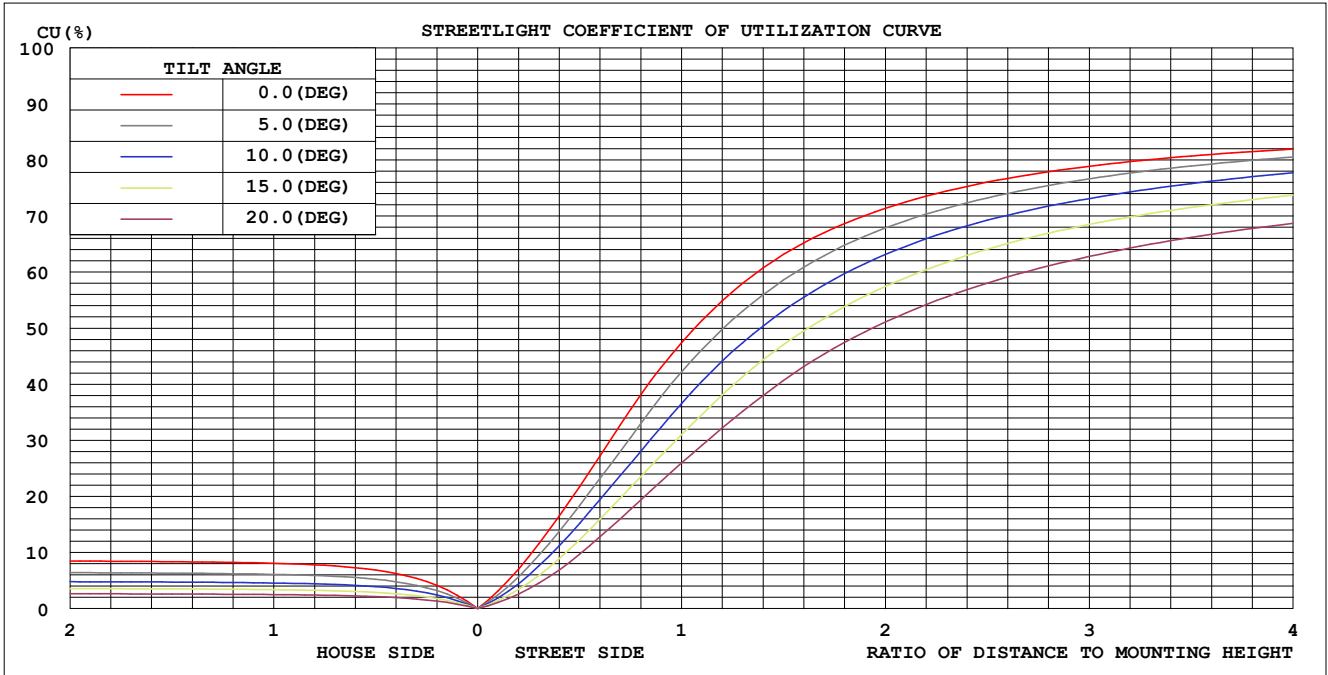
IES:Type IV - Very Short
 CIE:Average - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:198.9cd/klm
 Max.At90:84.09cd/klm
 Max.80-90:198.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4664
90%	4198
80%	3732
70%	3265
60%	2799
50%	2332
40%	1866
30%	1399
20%	933
10%	466
5%	233

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-03

□ 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: 45.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2024-07-03

□ 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:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:

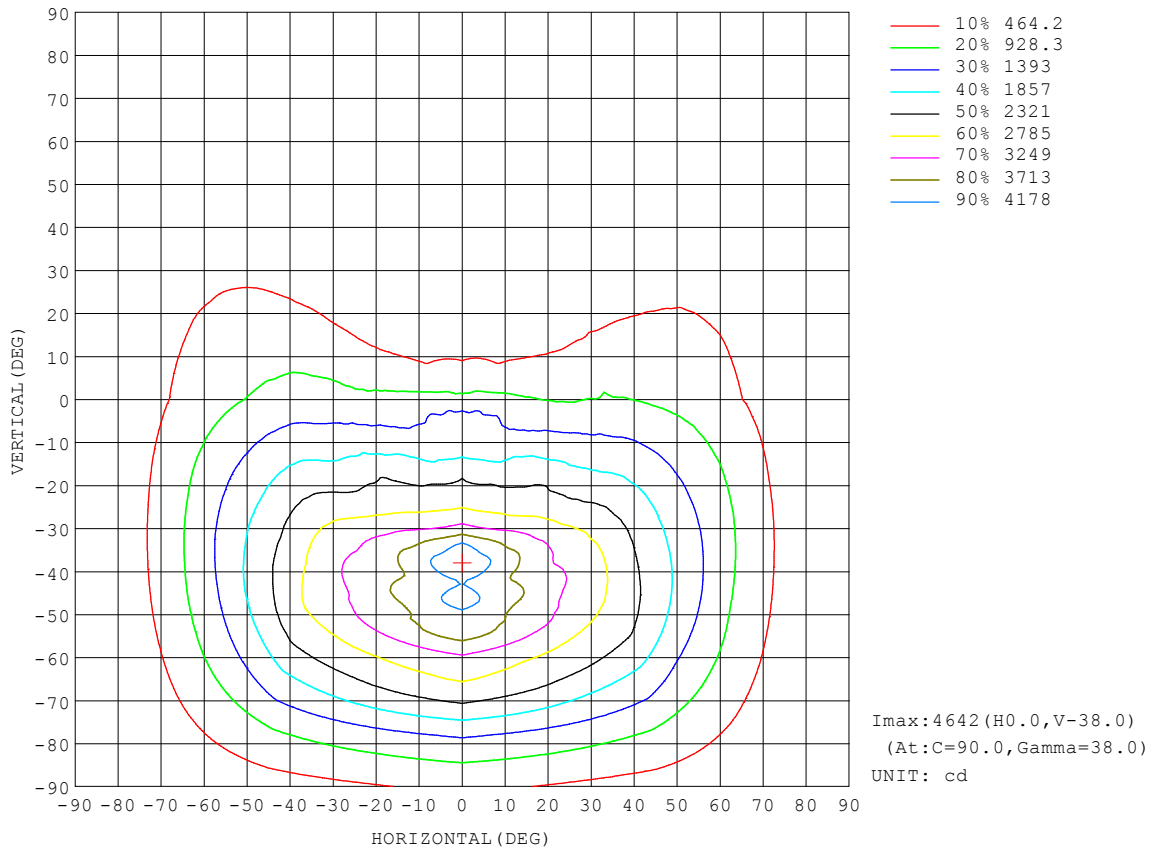
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	ℓlum,lamp
10	1019	1607	1612	1513	1050	510.1	431.3	519.3	0- 10	102.7	102.7	1.56,1.56
20	915.8	1974	2423	1983	1036	234.6	143.8	223.0	10- 20	298.0	400.7	6.09,6.09
30	936.9	2390	3446	2461	1095	100.1	49.42	86.41	20- 30	563.3	964.0	14.7,14.7
40	921.8	2828	4515	2981	1106	45.73	6.649	34.02	30- 40	926.1	1890	28.7,28.7
50	790.5	2859	4133	3005	938.7	16.96	1.331	8.080	40- 50	1179	3069	46.7,46.7
60	591.9	2523	3213	2642	694.5	11.42	2.297	6.935	50- 60	1219	4288	65.2,65.2
70	344.1	1822	2403	1860	403.0	9.925	4.208	7.721	60- 70	1033	5322	80.9,80.9
80	123.3	982.2	1308	953.0	134.1	10.08	7.435	9.535	70- 80	680.9	6003	91.3,91.3
90	29.11	315.3	553.1	304.9	30.44	11.77	12.73	13.02	80- 90	310.6	6313	96,96
100	21.53	63.56	120.5	64.70	23.34	15.06	19.56	18.55	90-100	94.40	6408	97.4,97.4
110	20.08	46.31	81.83	49.75	21.33	18.87	27.22	25.13	100-110	40.23	6448	98,98
120	19.35	39.81	71.10	42.87	20.32	21.59	32.62	30.67	110-120	35.05	6483	98.6,98.6
130	19.93	35.78	61.14	38.59	21.30	24.15	36.91	34.16	120-130	30.88	6514	99,99
140	21.55	31.22	39.57	33.79	23.30	25.91	38.47	36.20	130-140	25.67	6540	99.4,99.4
150	20.57	24.40	32.90	26.24	22.41	26.19	35.10	35.37	140-150	18.89	6559	99.7,99.7
160	16.07	13.78	20.22	16.19	17.44	24.52	30.98	32.44	150-160	11.39	6570	99.9,99.9
170	14.18	12.08	14.55	15.23	14.76	20.80	25.81	27.49	160-170	5.572	6575	100,100
180	15.08	16.16	19.14	22.41	15.09	16.17	19.14	22.37	170-180	1.718	6577	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-03

□ 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

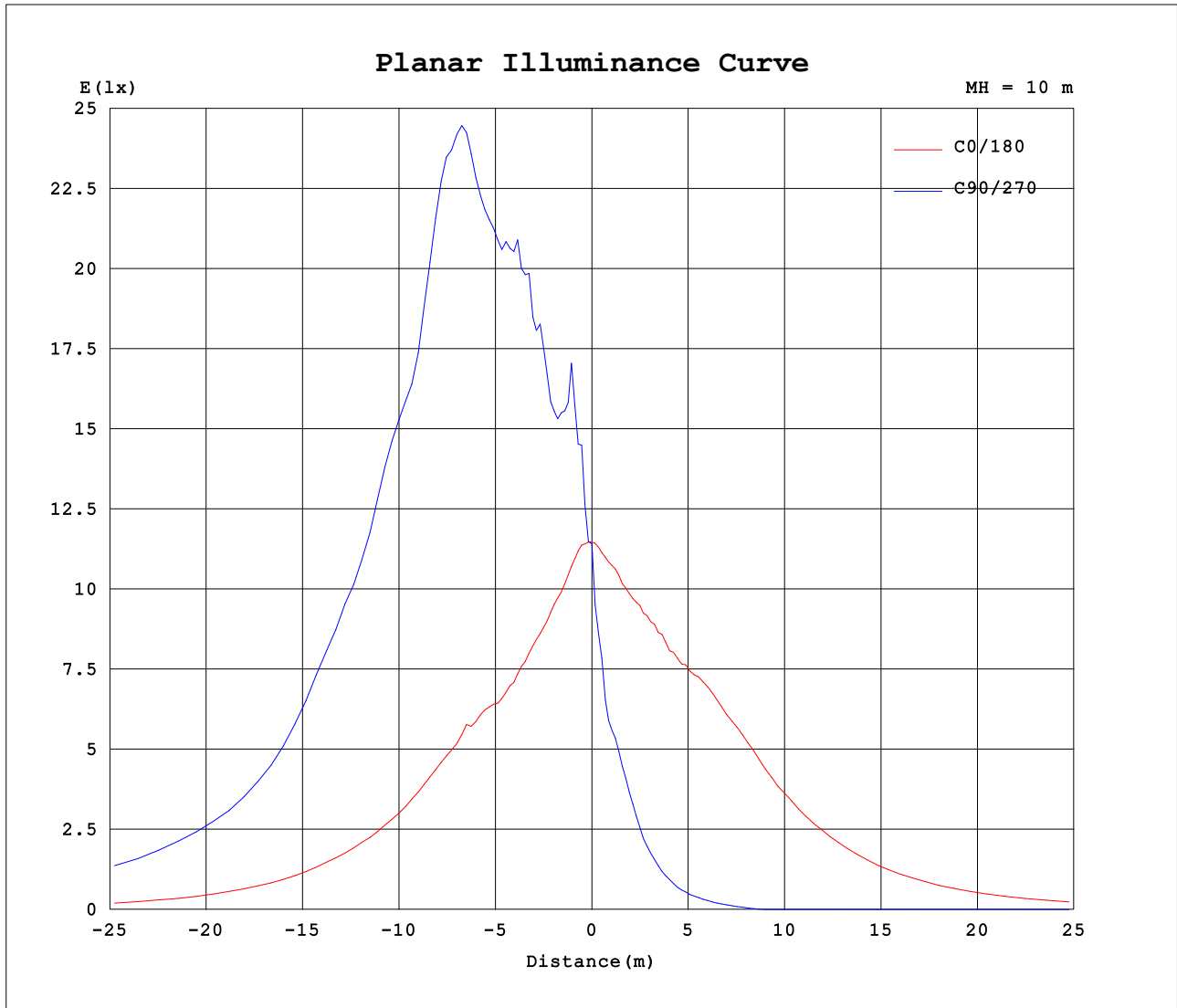
Test:U:120.8V I:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-03

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



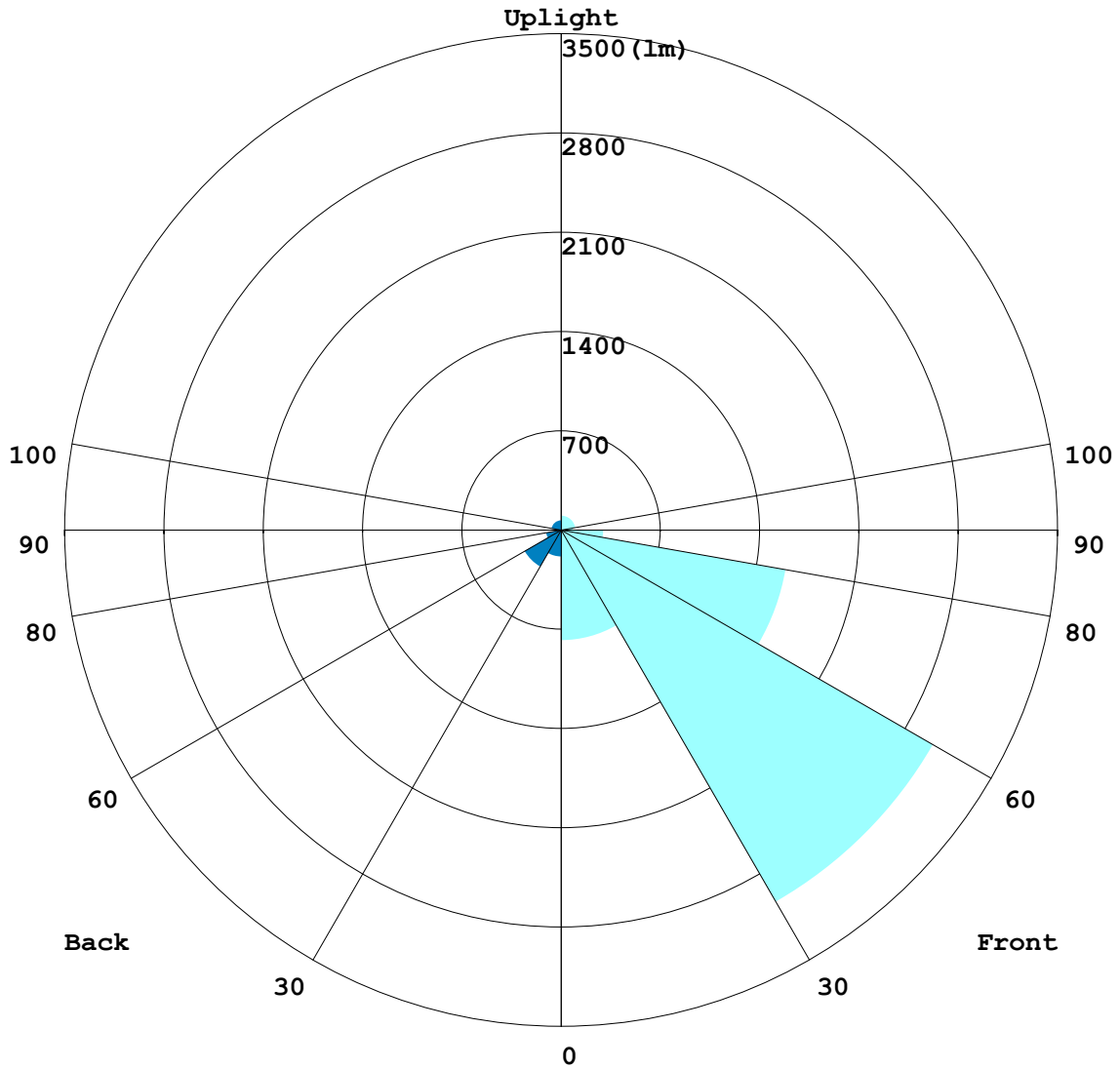
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-03

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:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-03

□ 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:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	776.24	11.8
FM - Front-Medium(30-60)	3027.5	46.0
FH - Front-High(60-80)	1605.8	24.4
FVH - Front-Very High(80-90)	297.48	4.5
Total Forward Light	5892.9	89.6

BL - Back-Low(0-30)	187.77	2.9
BM - Back-Medium(30-60)	296.95	4.5
BH - Back-High(60-80)	108.49	1.6
BVH - Back-Very High(80-90)	13.15	0.2
Total Back Light	684.26	10.4

UL - Uplight-Low(90-100)	94.396	1.4
UH - Uplight-High(100-180)	169.41	2.6
Total Up Light	263.8	4.0

BUG(Back,Up,Glare) Rating	B1-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	606.36	77.902	684.26
Street Side	5707	185.9	5892.9

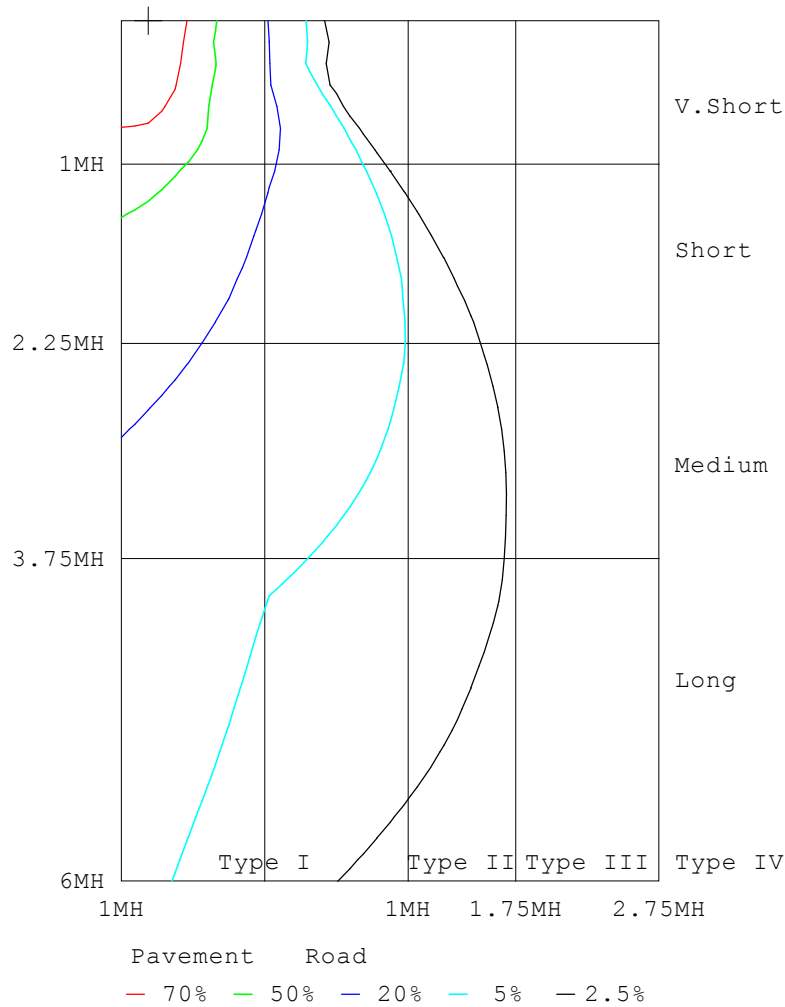
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-07-03

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:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-03

□ 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:0.4153A P:50.00W PF:0.9971 Freq:59.98Hz Lamp Flux:6577.19x1 lm		
NAME: ASD-WLS-A50BR-PC-50W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.2*0.15	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	1147	1147	1147	1147	1147	1147	1147	1147											
5	1109	1495	1595	1427	1098	719	600	722											
10	1019	1607	1612	1513	1050	510	431	519											
15	956	1659	2037	1652	1027	364	248	358											
20	916	1974	2423	1983	1036	235	144	223											
25	886	2236	2781	2289	1030	153	83.6	141											
30	937	2390	3446	2461	1095	100	49.4	86.4											
35	944	2595	4423	2664	1108	67.0	27.3	52.9											
40	922	2828	4515	2981	1106	45.7	6.65	34.0											
45	853	2928	4346	3094	1029	29.8	1.12	19.9											
50	790	2859	4133	3005	939	17.0	1.33	8.08											
55	701	2713	3901	2882	825	12.9	1.71	7.25											
60	592	2523	3213	2642	694	11.4	2.30	6.94											
65	468	2228	2848	2288	550	10.4	3.11	7.14											
70	344	1822	2403	1860	403	9.92	4.21	7.72											
75	225	1420	1812	1427	258	9.84	5.64	8.51											
80	123	982	1308	953	134	10.1	7.44	9.54											
85	54.9	607	886	582	55.6	10.7	9.78	11.0											
90	29.1	315	553	305	30.4	11.8	12.7	13.0											
95	23.3	132	274	125	25.3	13.2	16.0	15.5											
100	21.5	63.6	120	64.7	23.3	15.1	19.6	18.5											
105	20.7	50.5	88.9	53.7	22.2	17.0	23.4	21.9											
110	20.1	46.3	81.8	49.8	21.3	18.9	27.2	25.1											
115	19.7	42.2	73.2	46.1	20.7	20.3	30.1	28.1											
120	19.3	39.8	71.1	42.9	20.3	21.6	32.6	30.7											
125	19.3	37.4	67.1	40.8	20.6	22.9	35.2	32.7											
130	19.9	35.8	61.1	38.6	21.3	24.1	36.9	34.2											
135	20.9	34.1	55.1	35.8	22.3	25.1	37.8	35.3											
140	21.5	31.2	39.6	33.8	23.3	25.9	38.5	36.2											
145	21.4	28.5	38.5	30.1	23.6	26.5	37.8	36.1											
150	20.6	24.4	32.9	26.2	22.4	26.2	35.1	35.4											
155	18.8	17.9	24.3	18.9	20.2	25.6	33.3	34.1											
160	16.1	13.8	20.2	16.2	17.4	24.5	31.0	32.4											
165	14.3	12.4	18.3	14.7	14.9	22.9	28.3	30.1											
170	14.2	12.1	14.5	15.2	14.8	20.8	25.8	27.5											
175	14.8	13.8	15.3	17.9	15.1	18.6	23.0	25.3											
180	15.1	16.2	19.1	22.4	15.1	16.2	19.1	22.4											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-07-03

□ 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: