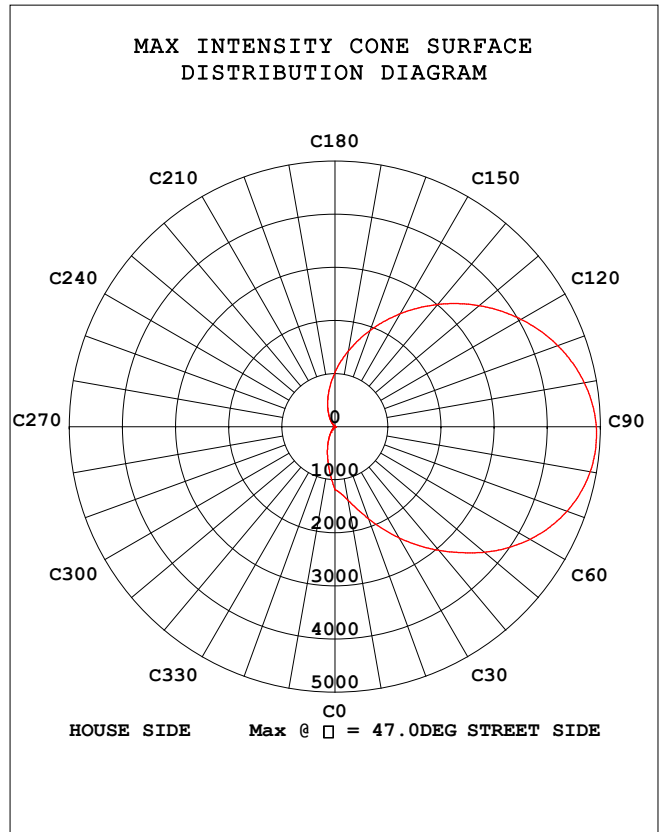
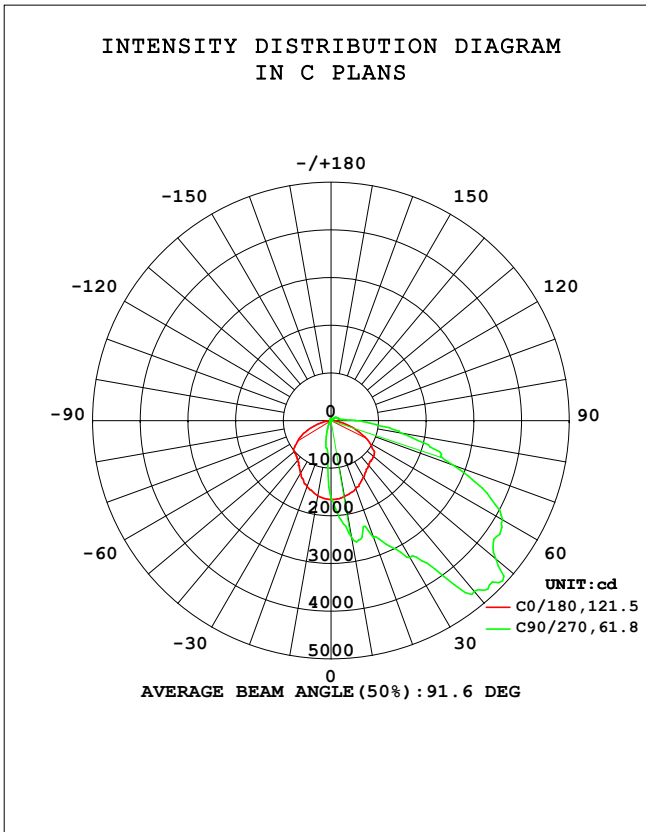


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.8V I:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.09 lm/W			
MODEL		I _{max} (cd)	4921	<input type="checkbox"/> street_up (%)	3.7
NOMINAL POWER (W)	60	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	85.3
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	7706	<input type="checkbox"/> house_up (%)	1.1
NOMINAL FLUX (lm)	7705.74	MAXIMUM @ (C, <input type="checkbox"/>)	90,47.0	<input type="checkbox"/> house_down (%)	9.8
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	4.9	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	95.1	SLI	20.689

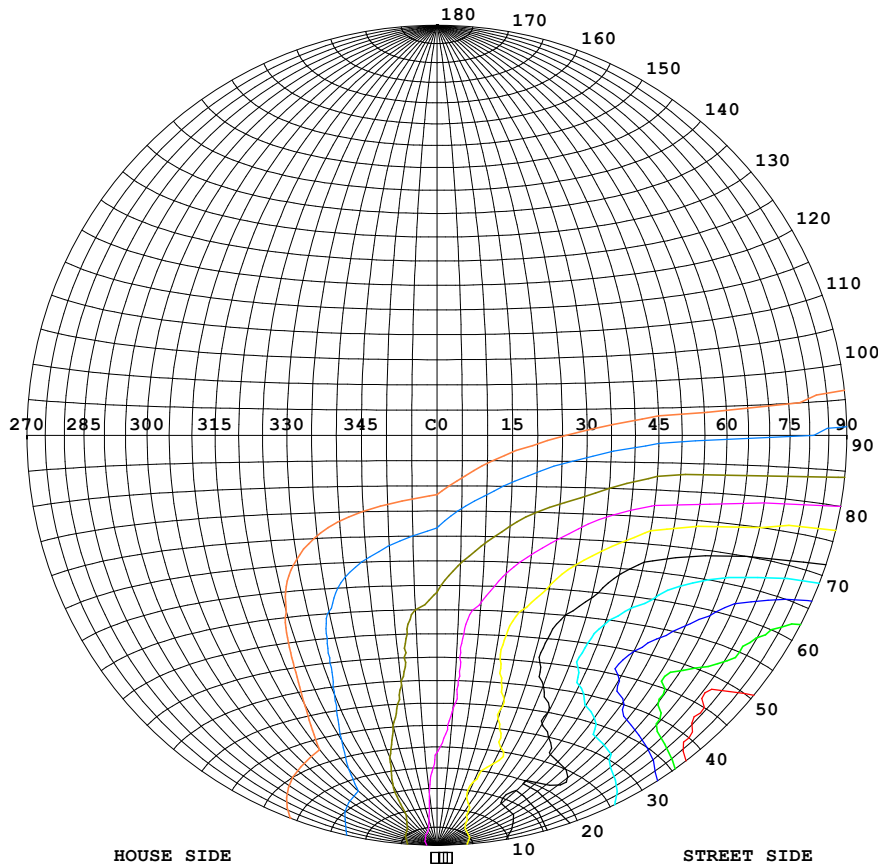


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-08-07

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:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:



Classification:

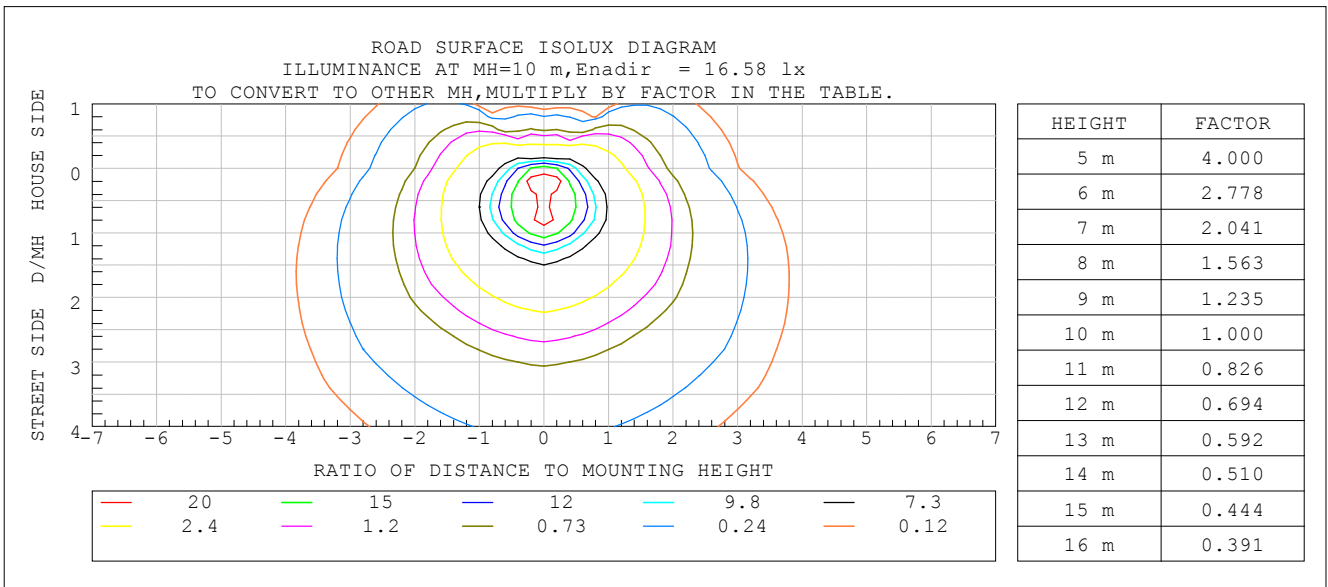
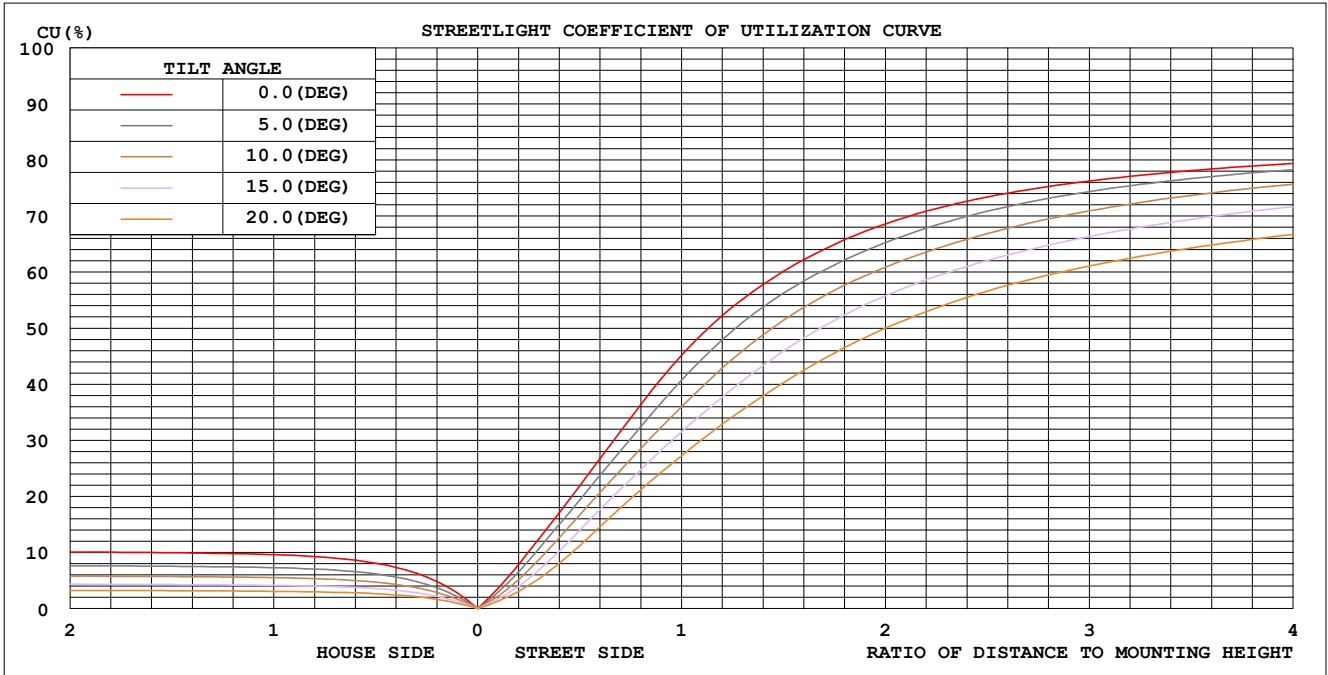
IES:Type IV - Very Short
 CIE:Average - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:191.1cd/klm
 Max.At90:66.72cd/klm
 Max.80-90:191.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4921
90%	4429
80%	3937
70%	3445
60%	2953
50%	2460
40%	1968
30%	1476
20%	984
10%	492
5%	246

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-08-07

□ 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: 2024-08-07

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:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

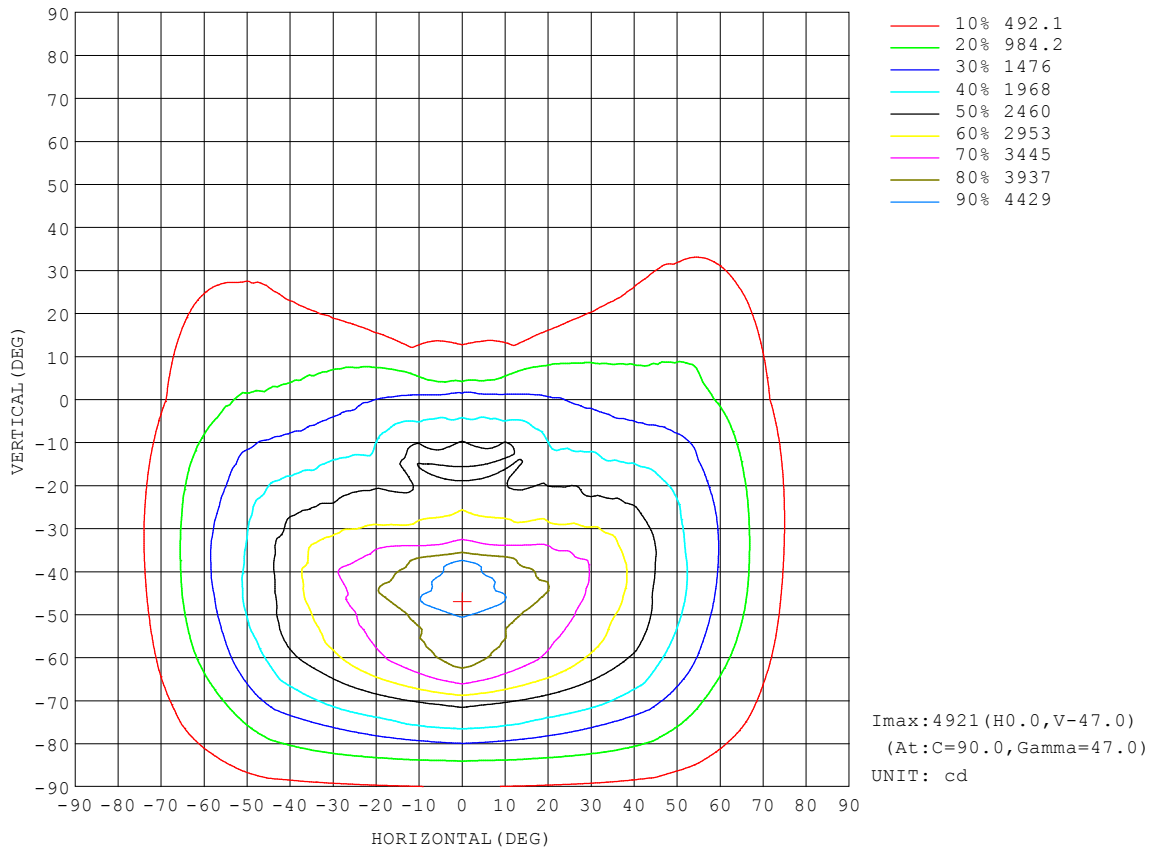
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1621	2173	2486	2185	1606	625.5	586.1	635.9	0- 10	143.6	143.6	1.86,1.86
20	1519	2467	2609	2477	1477	403.1	266.9	417.7	10- 20	421.4	565.0	7.33,7.33
30	1378	2601	3324	2534	1284	193.0	107.8	210.5	20- 30	655.1	1220	15.8,15.8
40	1238	3052	4678	2999	1089	85.82	43.01	98.15	30- 40	972.2	2192	28.4,28.4
50	1164	3309	4516	3185	1010	29.45	1.967	42.17	40- 50	1316	3509	45.5,45.5
60	945.0	2820	4154	2777	785.5	8.672	3.066	18.19	50- 60	1393	4902	63.6,63.6
70	551.5	2172	2719	2123	447.4	8.844	5.298	15.42	60- 70	1240	6141	79.7,79.7
80	189.4	1208	1472	1185	142.9	10.19	9.255	14.77	70- 80	818.3	6960	90.3,90.3
90	36.77	402.9	514.1	404.8	32.86	13.86	15.40	17.51	80- 90	372.1	7332	95.1,95.1
100	34.97	115.6	184.1	116.2	33.15	18.40	23.15	22.83	90-100	118.4	7450	96.7,96.7
110	35.66	99.66	152.0	94.38	33.15	22.94	30.92	28.06	100-110	67.78	7518	97.6,97.6
120	32.32	89.57	131.6	84.64	29.67	26.22	36.34	32.11	110-120	59.72	7578	98.3,98.3
130	33.79	73.36	102.2	69.57	30.61	27.67	37.05	33.12	120-130	49.30	7627	99,99
140	32.00	52.54	59.45	51.69	30.48	27.71	35.99	33.20	130-140	35.12	7662	99.4,99.4
150	26.13	36.72	29.66	37.78	26.10	26.28	32.85	30.86	140-150	22.52	7685	99.7,99.7
160	21.31	26.18	22.53	26.95	21.80	23.57	28.41	27.06	150-160	12.94	7698	99.9,99.9
170	17.83	16.30	16.97	18.93	18.08	20.64	23.18	23.63	160-170	6.312	7704	100,100
180	16.71	17.08	17.87	20.83	16.74	17.09	17.91	20.84	170-180	1.771	7706	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:2024-08-07

□ 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

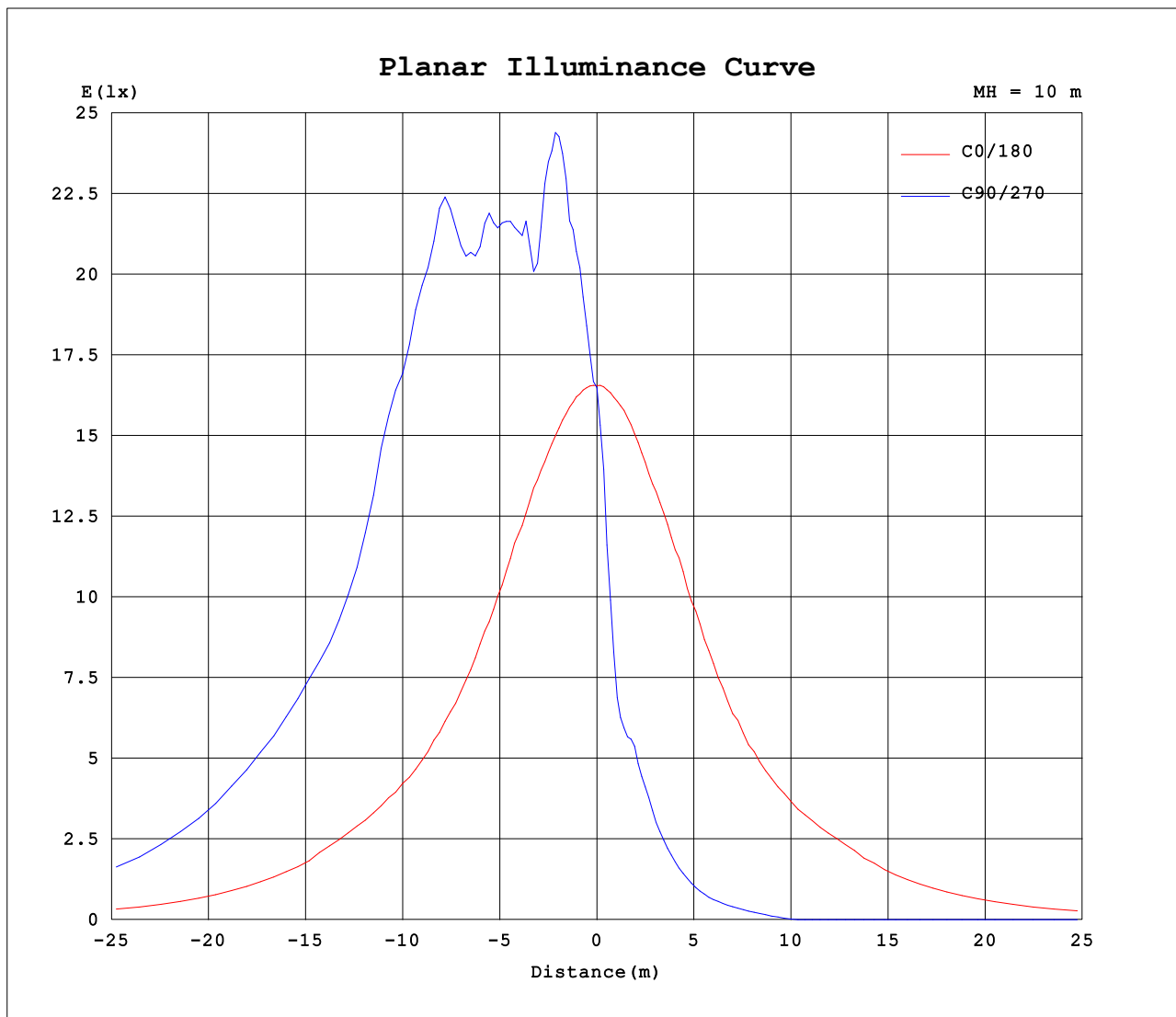
Test:U:120.8V I:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-08-07

□ 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



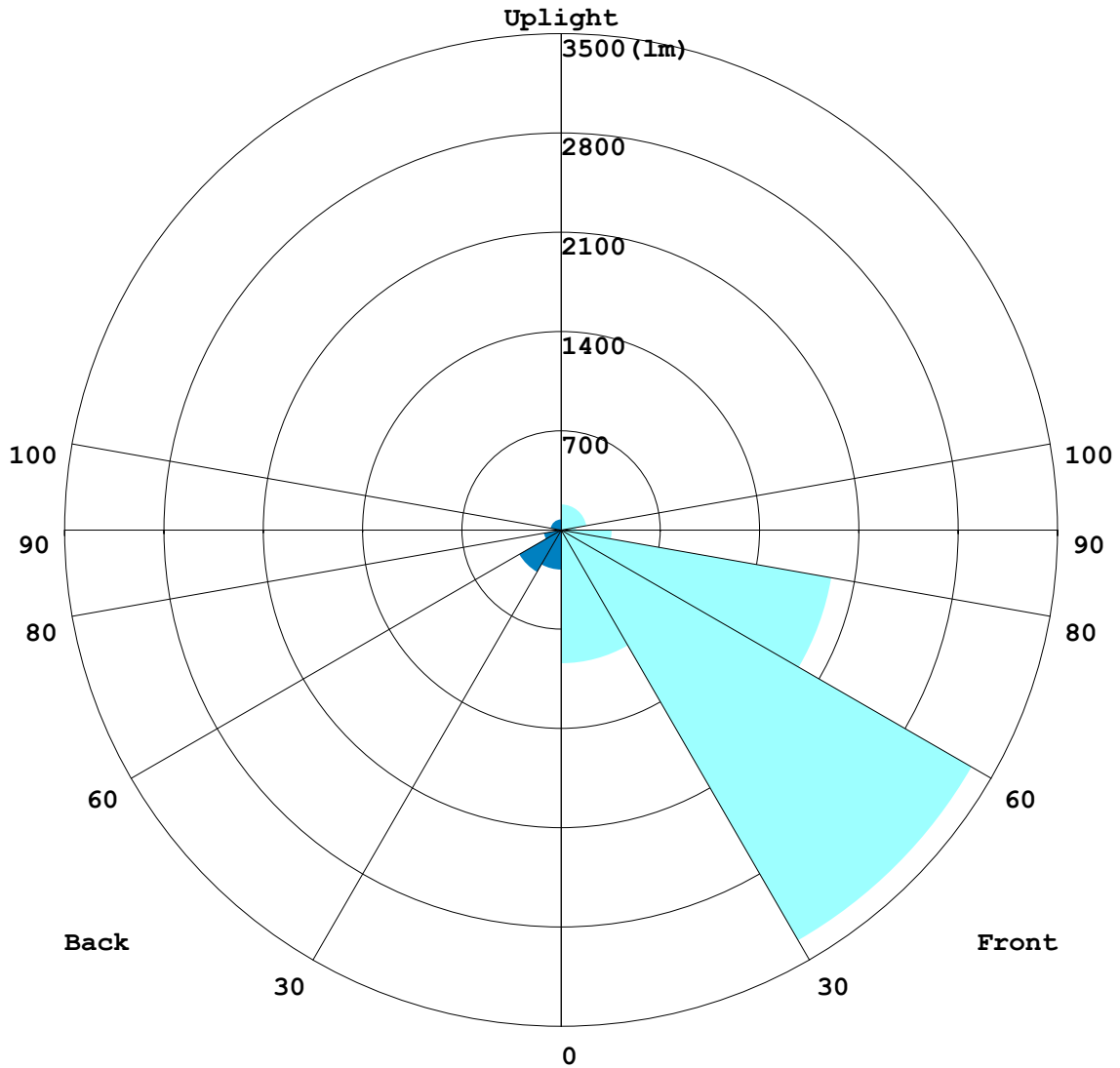
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2024-08-07

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:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-08-07

□ 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:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	940.64	12.2
FM - Front-Medium(30-60)	3341.3	43.4
FH - Front-High(60-80)	1935.1	25.1
FVH - Front-Very High(80-90)	357.33	4.6
Total Forward Light	6860.4	89.0

BL - Back-Low(0-30)	279.41	3.6
BM - Back-Medium(30-60)	340.34	4.4
BH - Back-High(60-80)	122.88	1.6
BVH - Back-Very High(80-90)	14.809	0.2
Total Back Light	845.32	11.0

UL - Uplight-Low(90-100)	118.43	1.5
UH - Uplight-High(100-180)	255.48	3.3
Total Up Light	373.91	4.9

BUG(Back,Up,Glare) Rating	B1-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	757.44	87.88	845.32
Street Side	6574.4	286.03	6860.4

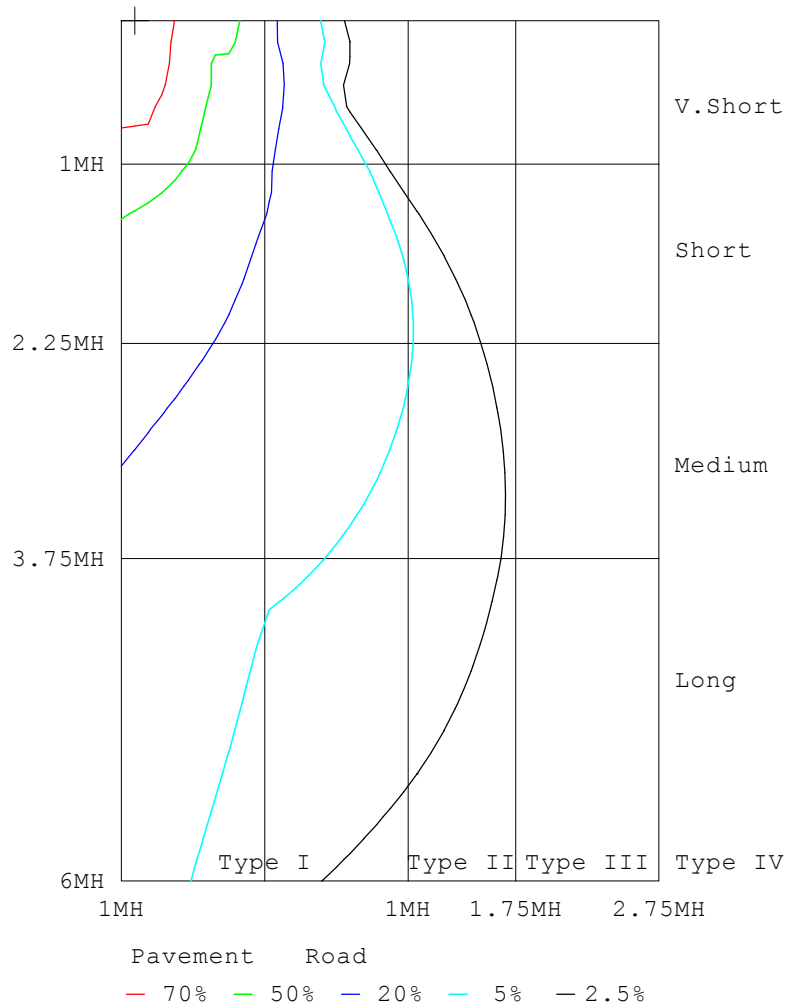
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-08-07

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:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-08-07

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:0.4877A P:58.78W PF:0.9975 Freq:59.99Hz Lamp Flux:7705.74x1 lm		
NAME: ASD-WLS-A60BR-PC-60W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	1655	1660	1649	1667	1655	1660	1649	1667											
5	1648	1882	2044	1873	1638	1043	839	1087											
10	1621	2173	2486	2185	1606	626	586	636											
15	1575	2510	2531	2505	1535	547	421	553											
20	1519	2467	2609	2477	1477	403	267	418											
25	1452	2317	2907	2264	1378	280	172	304											
30	1378	2601	3324	2534	1284	193	108	210											
35	1289	2797	3799	2778	1163	129	73.8	145											
40	1238	3052	4678	2999	1089	85.8	43.0	98.1											
45	1197	3310	4788	3197	1038	54.7	6.28	66.6											
50	1164	3309	4516	3185	1010	29.4	1.97	42.2											
55	1103	3139	4239	3057	930	8.85	2.41	20.9											
60	945	2820	4154	2777	785	8.67	3.07	18.2											
65	755	2579	3616	2547	632	8.80	4.01	16.7											
70	551	2172	2719	2123	447	8.84	5.30	15.4											
75	363	1732	2149	1706	283	9.05	6.99	14.8											
80	189	1208	1472	1185	143	10.2	9.25	14.8											
85	75.9	766	950	766	58.9	11.9	12.1	15.7											
90	36.8	403	514	405	32.9	13.9	15.4	17.5											
95	34.1	195	265	208	32.0	16.1	19.1	20.1											
100	35.0	116	184	116	33.1	18.4	23.2	22.8											
105	35.9	102	163	98.4	33.5	20.8	27.2	25.6											
110	35.7	99.7	152	94.4	33.2	22.9	30.9	28.1											
115	33.9	94.7	145	89.6	31.3	24.8	34.0	30.3											
120	32.3	89.6	132	84.6	29.7	26.2	36.3	32.1											
125	32.8	82.7	121	77.8	29.8	27.1	37.0	32.8											
130	33.8	73.4	102	69.6	30.6	27.7	37.1	33.1											
135	33.6	62.7	73.9	60.4	31.0	27.8	36.8	33.5											
140	32.0	52.5	59.5	51.7	30.5	27.7	36.0	33.2											
145	29.1	44.4	44.7	44.5	28.4	27.2	34.6	32.2											
150	26.1	36.7	29.7	37.8	26.1	26.3	32.8	30.9											
155	23.6	32.6	26.1	33.1	23.9	25.0	31.0	29.0											
160	21.3	26.2	22.5	26.9	21.8	23.6	28.4	27.1											
165	19.4	19.6	20.5	21.5	19.8	22.2	26.0	25.4											
170	17.8	16.3	17.0	18.9	18.1	20.6	23.2	23.6											
175	16.9	15.5	15.3	19.0	16.9	18.9	20.6	22.1											
180	16.7	17.1	17.9	20.8	16.7	17.1	17.9	20.8											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2024-08-07

□ 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: