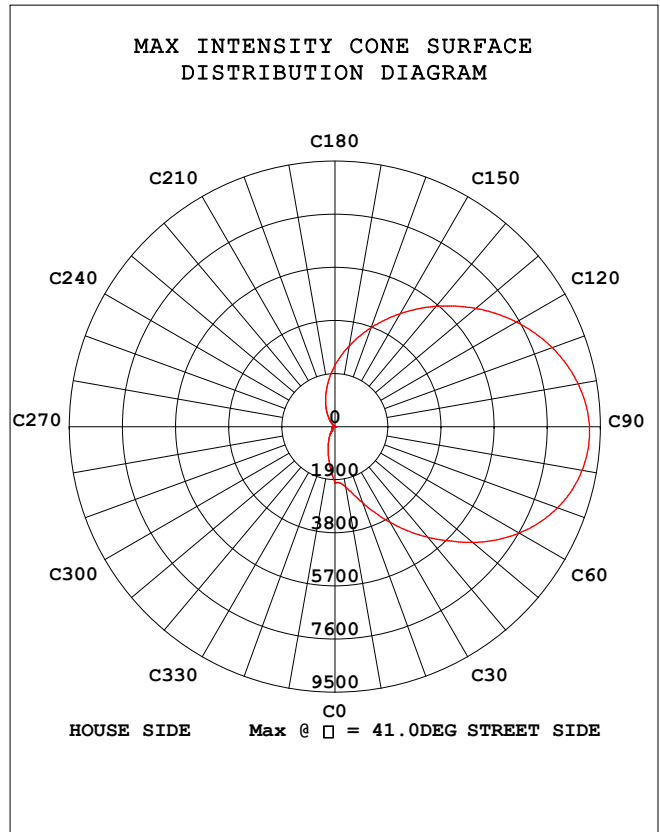
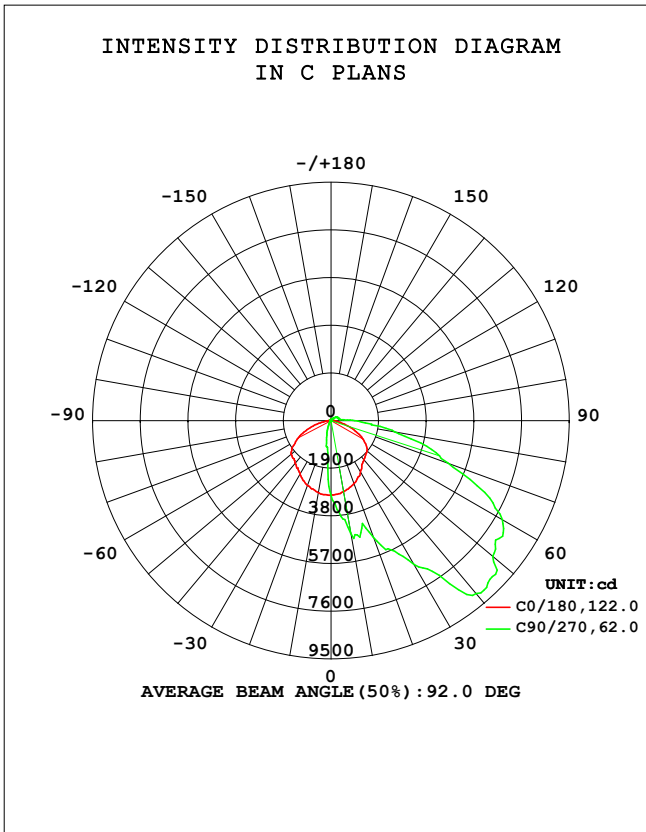


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.19 lm/W			
MODEL		Imax(cd)	9107	<input type="checkbox"/> street_up(%)	3.9
NOMINAL POWER(W)	120	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	84.8
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	14376	<input type="checkbox"/> house_up(%)	1.0
NOMINAL FLUX(lm)	14376.2	MAXIMUM @ (C,□)	90,41.0	<input type="checkbox"/> house_down(%)	10.3
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	21.153

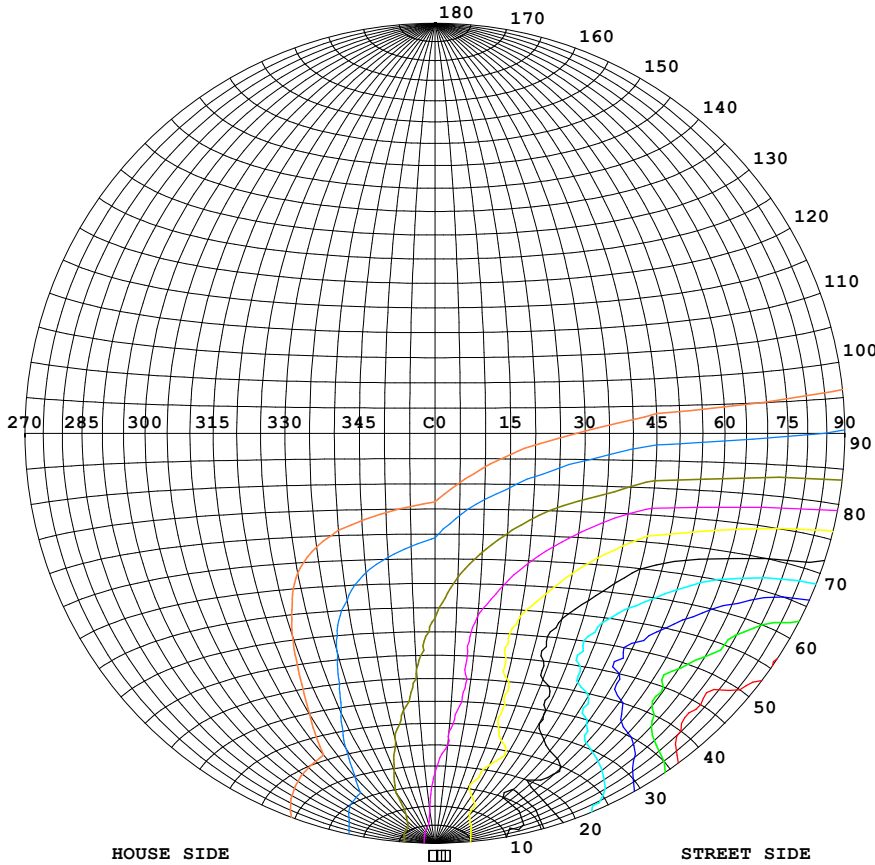


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-27

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:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:



Classification:

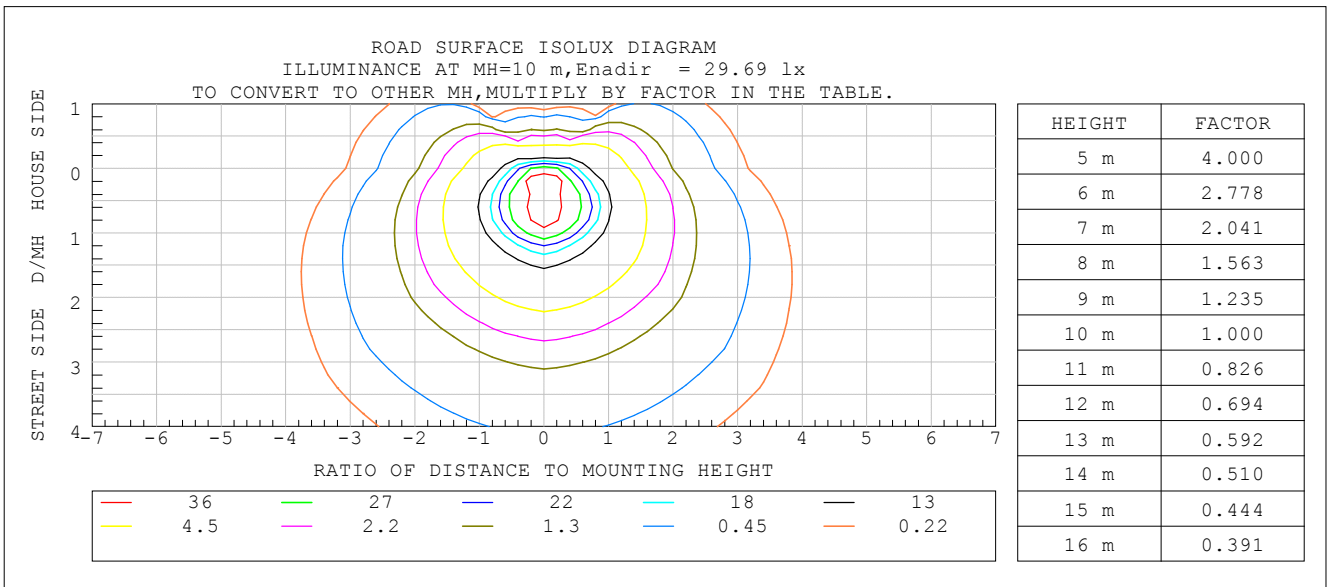
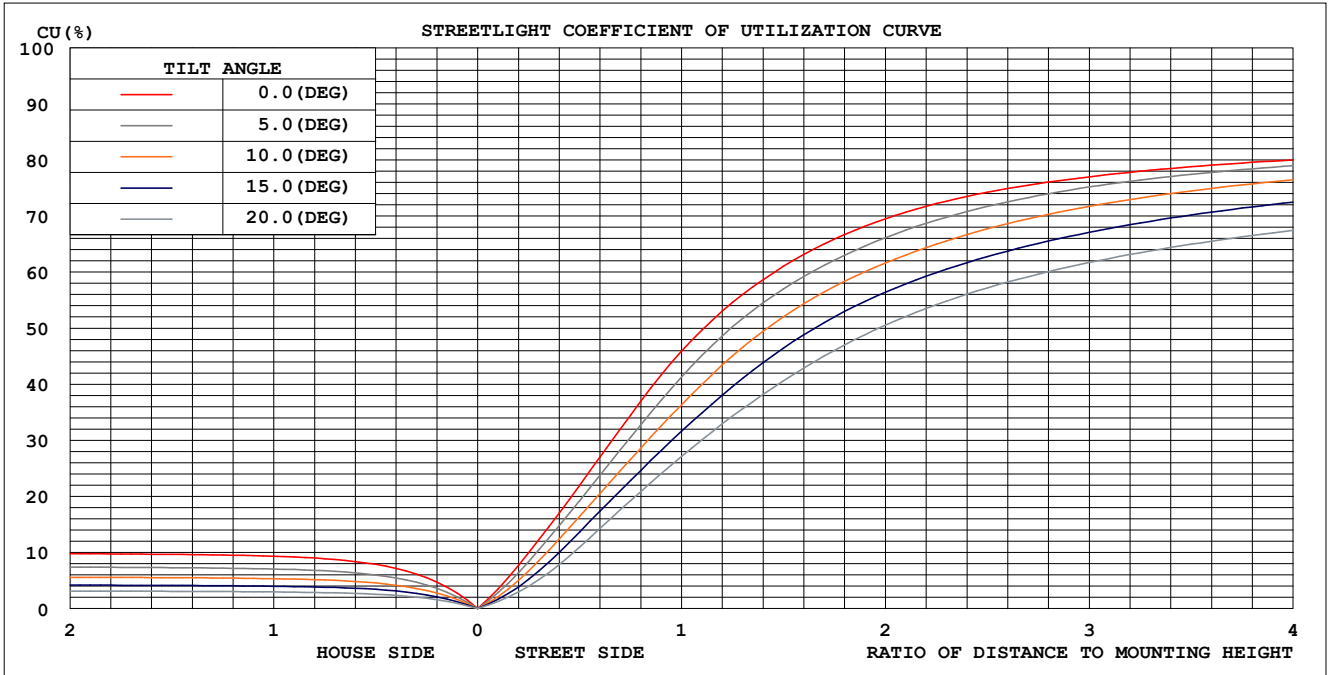
IES:Type IV - Very Short
 CIE:Broad - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:179.6cd/klm
 Max.At90:65.74cd/klm
 Max.80-90:179.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	9107
90%	8196
80%	7285
70%	6375
60%	5464
50%	4553
40%	3643
30%	2732
20%	1821
10%	911
5%	455

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

□ 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: 2024-07-27

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:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:

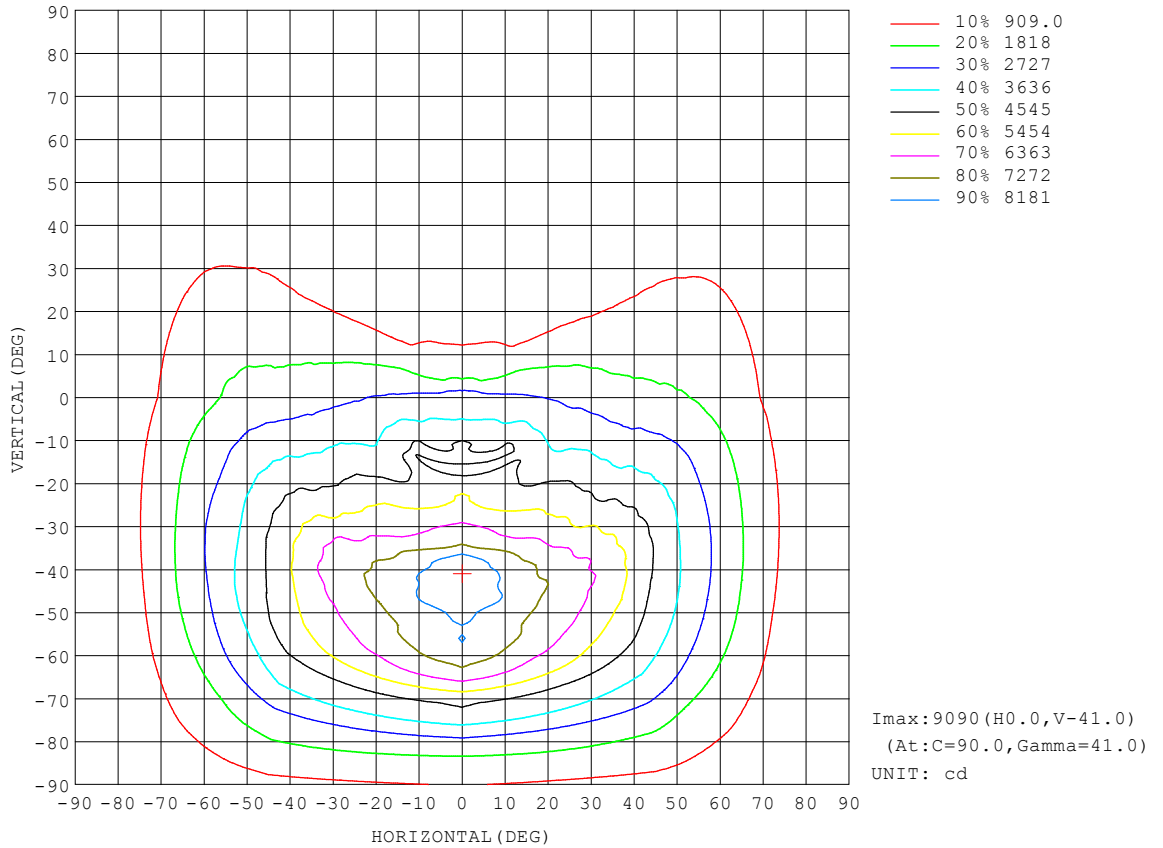
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	2880	3931	4547	3924	2923	1164	1073	1141	0- 10	260.6	260.6	1.81,1.81
20	2671	4549	4945	4502	2757	714.4	470.9	679.4	10- 20	768.0	1029	7.15,7.15
30	2356	4979	6620	5226	2475	366.9	194.2	345.4	20- 30	1235	2263	15.7,15.7
40	2029	5528	8995	5910	2224	170.7	75.45	155.1	30- 40	1866	4129	28.7,28.7
50	1865	6256	8414	6502	2083	66.79	2.945	55.83	40- 50	2495	6624	46.1,46.1
60	1483	5137	7890	5433	1602	24.19	4.583	22.01	50- 60	2634	9258	64.4,64.4
70	852.7	3814	4957	4103	955.5	22.03	8.302	21.11	60- 70	2288	11546	80.3,80.3
80	273.6	2030	2581	2254	323.2	21.69	14.81	22.27	70- 80	1477	13023	90.6,90.6
90	70.67	684.9	945.1	746.3	69.89	26.35	23.94	27.16	80- 90	646.7	13670	95.1,95.1
100	66.52	234.6	343.6	235.7	69.73	32.08	33.99	33.24	90-100	220.5	13890	96.6,96.6
110	65.80	194.1	301.4	201.6	69.75	37.11	43.01	38.27	100-110	130.5	14021	97.5,97.5
120	58.23	176.1	276.4	183.8	62.79	41.30	49.34	42.04	110-120	114.4	14135	98.3,98.3
130	60.21	149.8	204.3	151.1	63.18	45.01	52.80	44.57	120-130	94.32	14230	99,99
140	58.86	112.2	130.7	106.0	60.08	46.91	54.00	45.50	130-140	66.27	14296	99.4,99.4
150	49.07	76.79	65.58	71.45	49.38	46.24	52.18	43.85	140-150	42.12	14338	99.7,99.7
160	40.41	51.80	41.20	49.27	40.02	43.01	47.90	41.94	150-160	23.68	14362	99.9,99.9
170	33.72	31.37	32.85	30.72	32.88	38.26	41.39	40.03	160-170	11.38	14373	100,100
180	31.10	31.90	31.62	33.07	31.14	31.88	31.68	33.06	170-180	3.171	14376	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:2024-07-27

□ 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

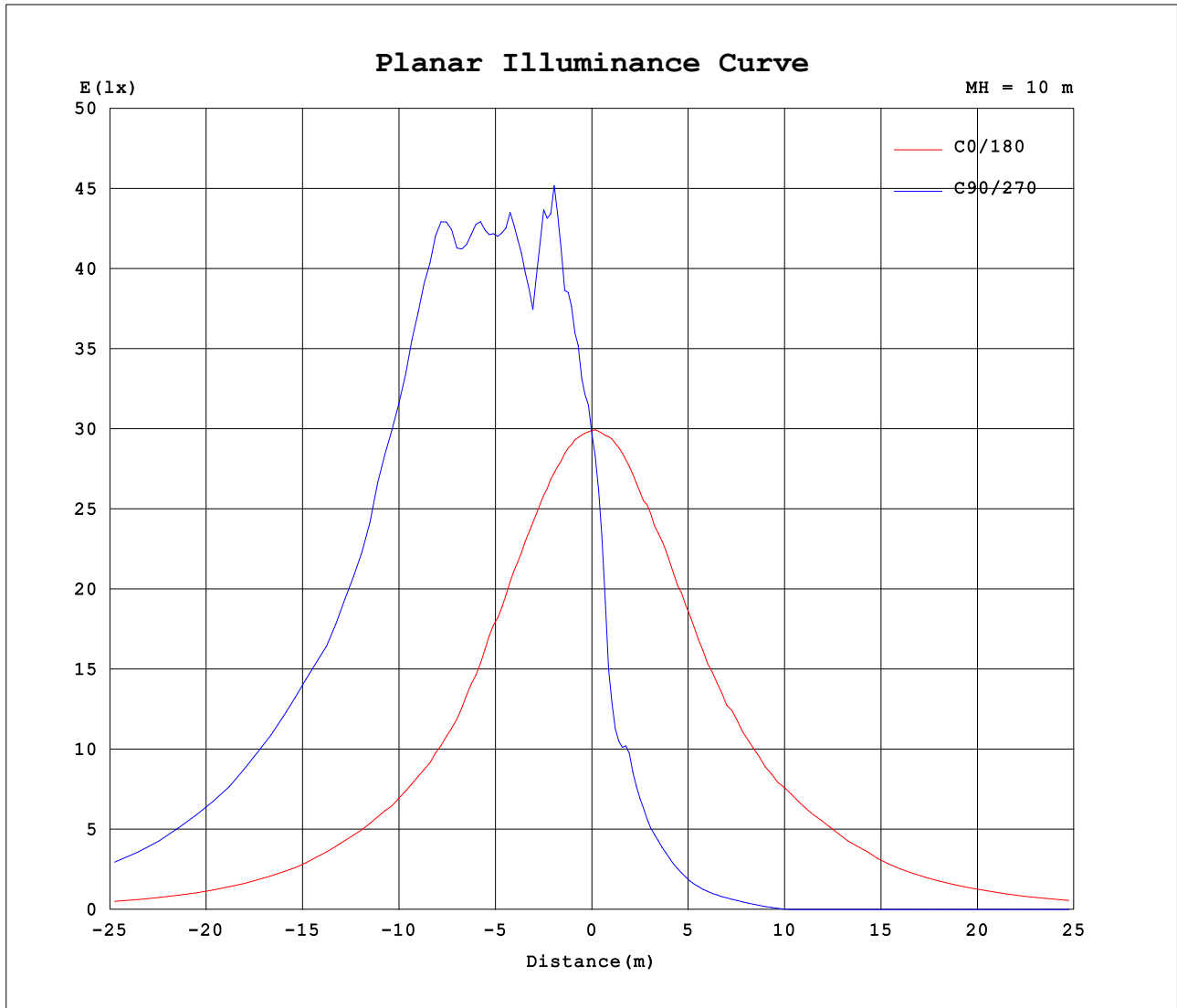
Test:U:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:



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

□ 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



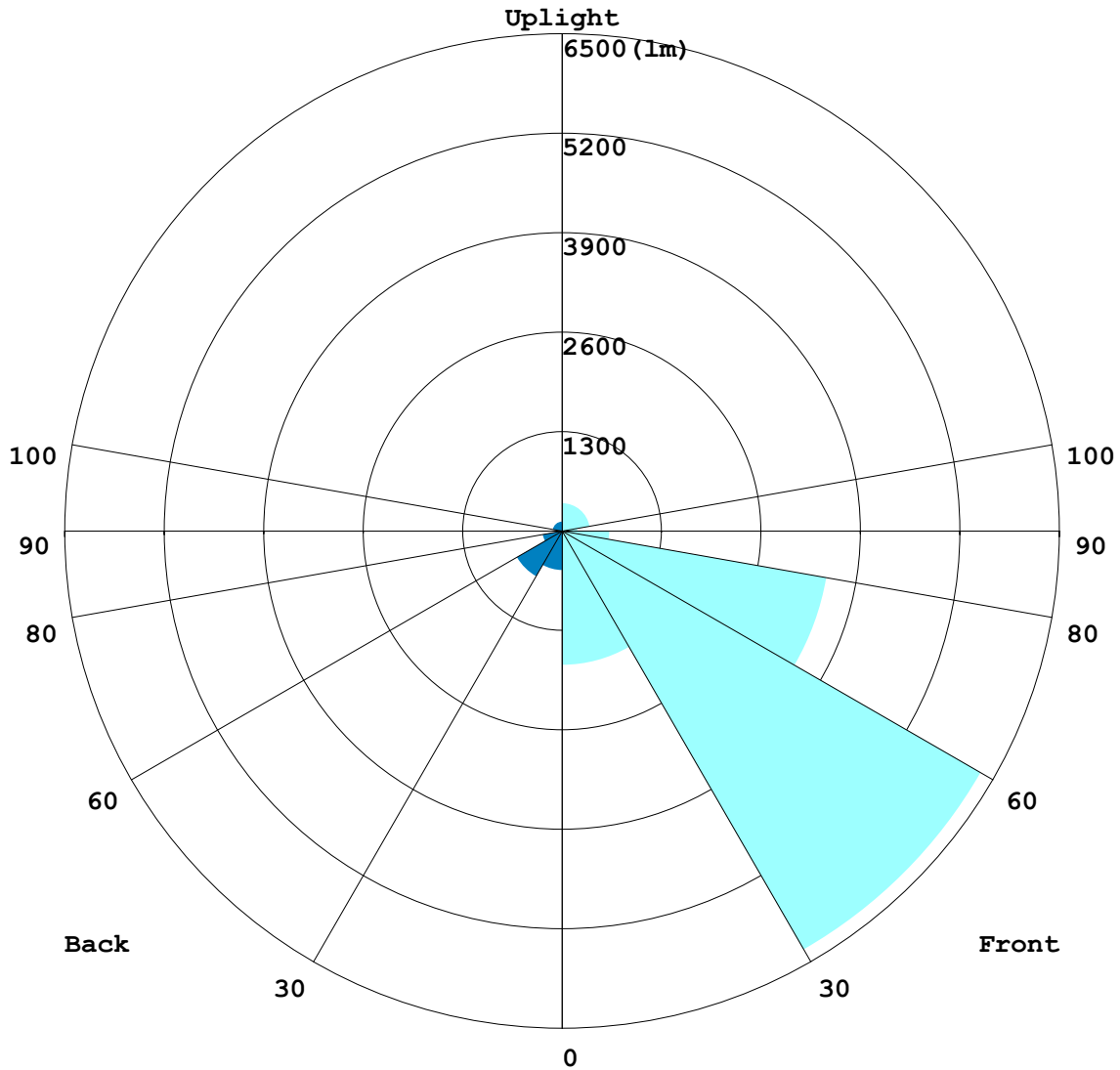
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2024-07-27

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:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



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

□ 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:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1751.2	12.2
FM - Front-Medium(30-60)	6314.2	43.9
FH - Front-High(60-80)	3506.1	24.4
FVH - Front-Very High(80-90)	616.38	4.3
Total Forward Light	12749	88.7

BL - Back-Low(0-30)	511.89	3.6
BM - Back-Medium(30-60)	681.02	4.7
BH - Back-High(60-80)	258.53	1.8
BVH - Back-Very High(80-90)	30.359	0.2
Total Back Light	1627.2	11.3

UL - Uplight-Low(90-100)	220.5	1.5
UH - Uplight-High(100-180)	485.91	3.4
Total Up Light	706.41	4.9

BUG(Back,Up,Glare) Rating	B2-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1481.8	145.38	1627.2
Street Side	12188	561.03	12749

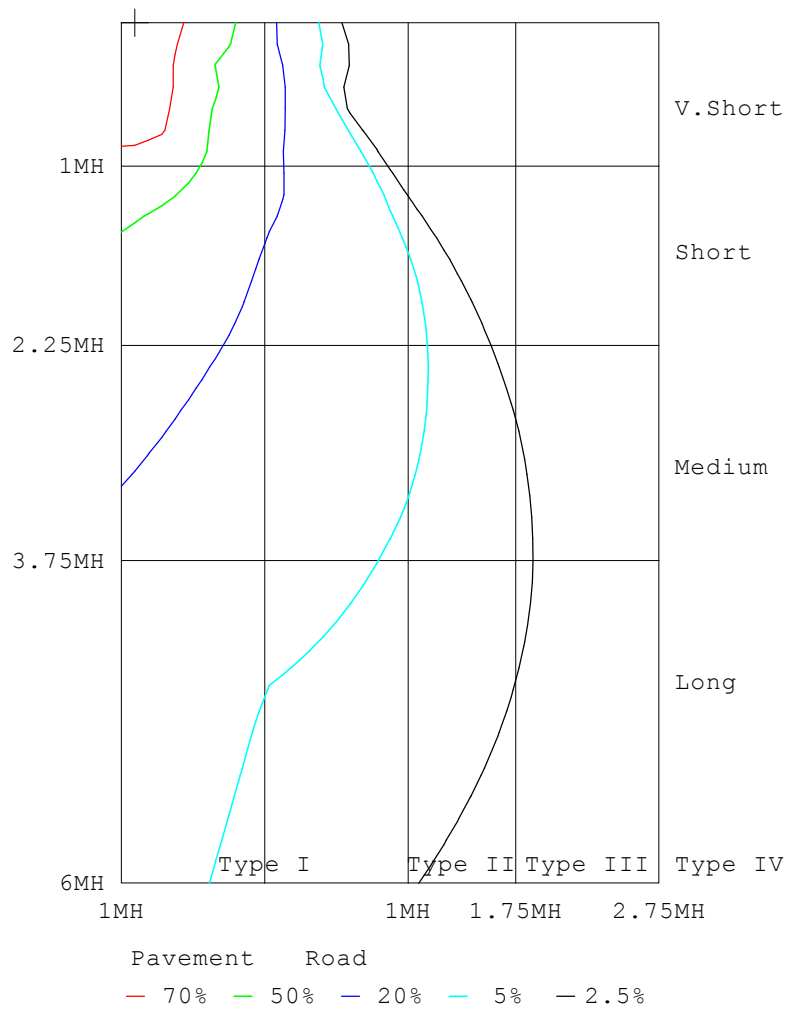
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-07-27

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:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



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

□ 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:120.9V I:0.9473A P:113.9W PF:0.9951 Freq:59.98Hz Lamp Flux:14376.2x1 lm		
NAME: ASD-WLS-A120BR-PC-120W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.275*0.145	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	2974	2974	2974	2974	2974	2974	2974	2974											
5	2949	3425	3647	3458	2969	2056	1522	2012											
10	2880	3931	4547	3924	2923	1164	1073	1141											
15	2793	4587	4630	4699	2817	1013	707	997											
20	2671	4549	4945	4502	2757	714	471	679											
25	2521	4280	5685	4448	2639	515	307	489											
30	2356	4979	6620	5226	2475	367	194	345											
35	2149	5262	7527	5428	2308	254	134	233											
40	2029	5528	8995	5910	2224	171	75.4	155											
45	1958	6063	8960	6580	2142	114	8.74	101											
50	1865	6256	8414	6502	2083	66.8	2.94	55.8											
55	1723	5800	8185	5967	1906	27.4	3.59	22.6											
60	1483	5137	7890	5433	1602	24.2	4.58	22.0											
65	1181	4549	6761	4924	1309	23.3	6.12	21.6											
70	853	3814	4957	4103	955	22.0	8.30	21.1											
75	536	3005	3951	3221	626	21.6	11.1	21.2											
80	274	2030	2581	2254	323	21.7	14.8	22.3											
85	116	1268	1631	1407	132	23.6	19.1	24.4											
90	70.7	685	945	746	69.9	26.4	23.9	27.2											
95	66.3	372	527	392	67.3	29.3	28.9	30.2											
100	66.5	235	344	236	69.7	32.1	34.0	33.2											
105	67.4	204	319	210	71.0	34.7	38.9	36.0											
110	65.8	194	301	202	69.8	37.1	43.0	38.3											
115	61.9	186	291	193	65.9	39.3	46.5	40.3											
120	58.2	176	276	184	62.8	41.3	49.3	42.0											
125	58.4	164	255	170	62.4	43.2	51.3	43.5											
130	60.2	150	204	151	63.2	45.0	52.8	44.6											
135	60.7	131	148	128	62.9	46.2	53.8	45.4											
140	58.9	112	131	106	60.1	46.9	54.0	45.5											
145	54.3	95.6	93.5	90.3	54.6	46.9	53.3	44.8											
150	49.1	76.8	65.6	71.5	49.4	46.2	52.2	43.8											
155	44.5	66.9	52.7	61.3	44.6	45.0	50.6	43.0											
160	40.4	51.8	41.2	49.3	40.0	43.0	47.9	41.9											
165	36.7	40.6	38.7	38.5	36.0	40.8	44.7	40.5											
170	33.7	31.4	32.9	30.7	32.9	38.3	41.4	40.0											
175	31.7	29.6	27.4	29.6	31.2	35.1	36.6	36.6											
180	31.1	31.9	31.6	33.1	31.1	31.9	31.7	33.1											

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

□ 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: