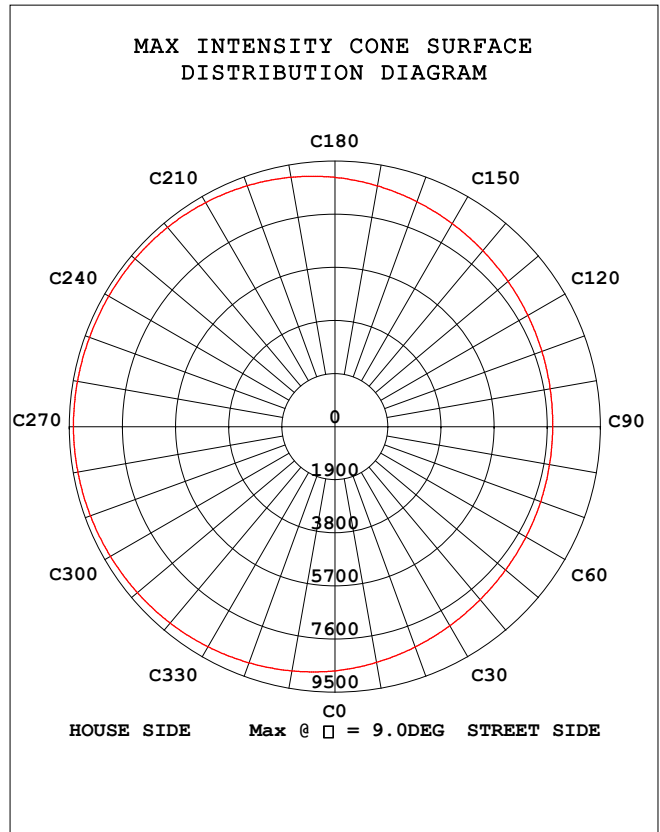
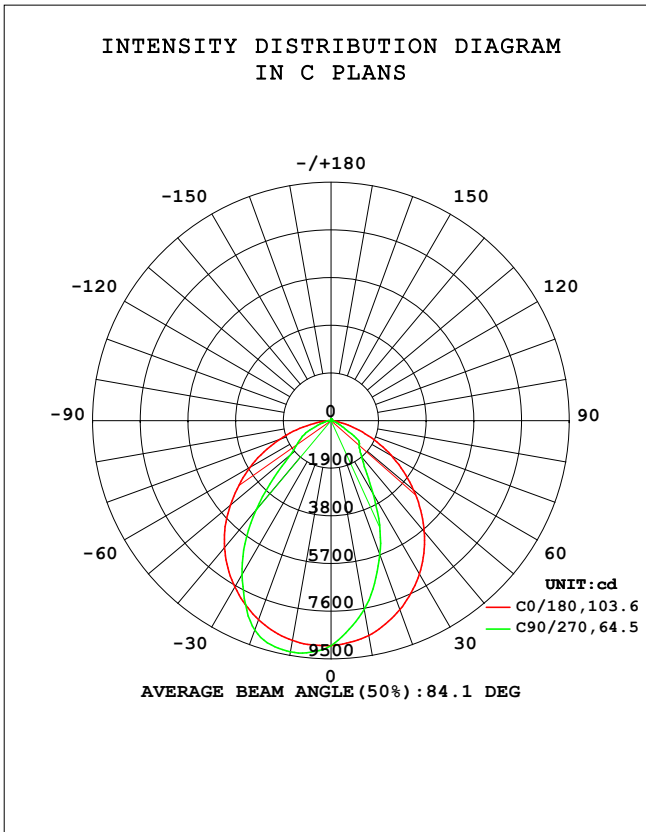


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.00 lm/W			
MODEL	ASD-WLR-120BR-PC	I <sub>max</sub> (cd)	9357	<input type="checkbox"/> street_up (%)	0.3
NOMINAL POWER (W)	120	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	38.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	16716	<input type="checkbox"/> house_up (%)	0.4
NOMINAL FLUX (lm)	16716.2	MAXIMUM @ (C, <input type="checkbox"/> )	270,9.0	<input type="checkbox"/> house_down (%)	60.8
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.7	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	99.3	SLI	21.627

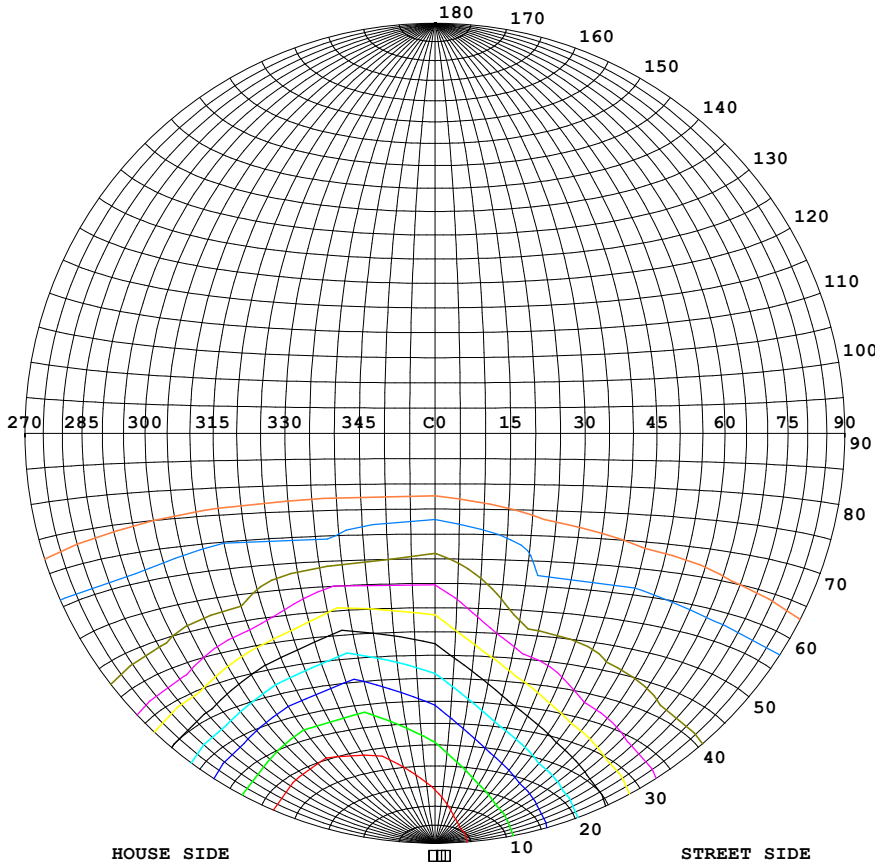


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu-1  
 Test Date: 2025-01-09

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 8.260m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:



Classification:

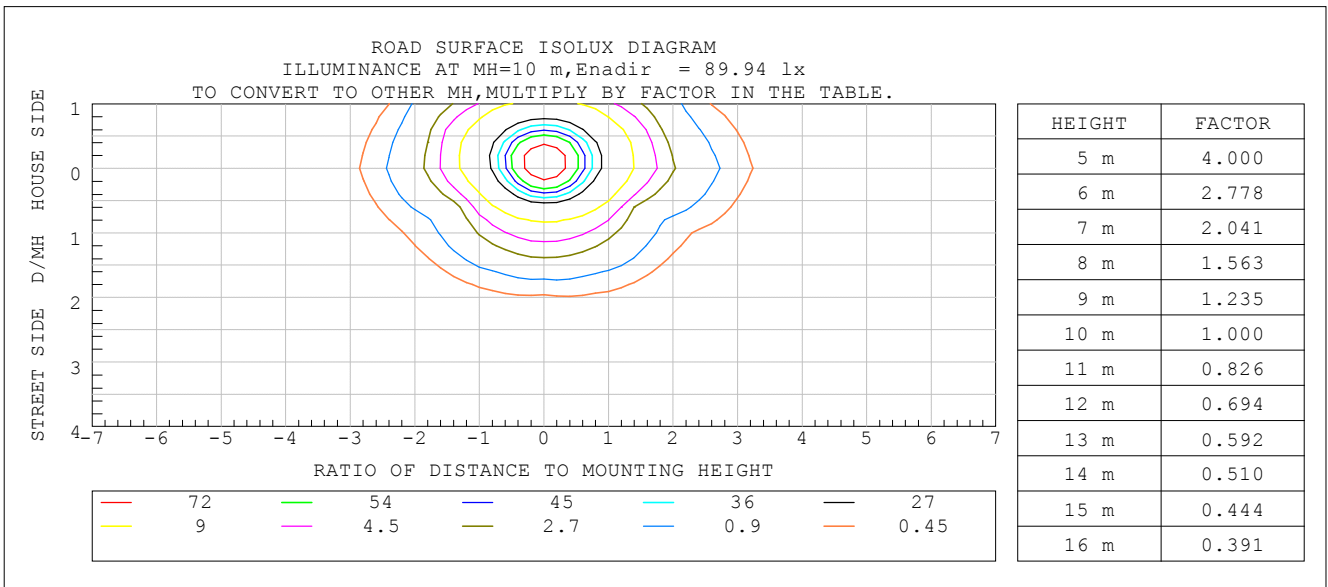
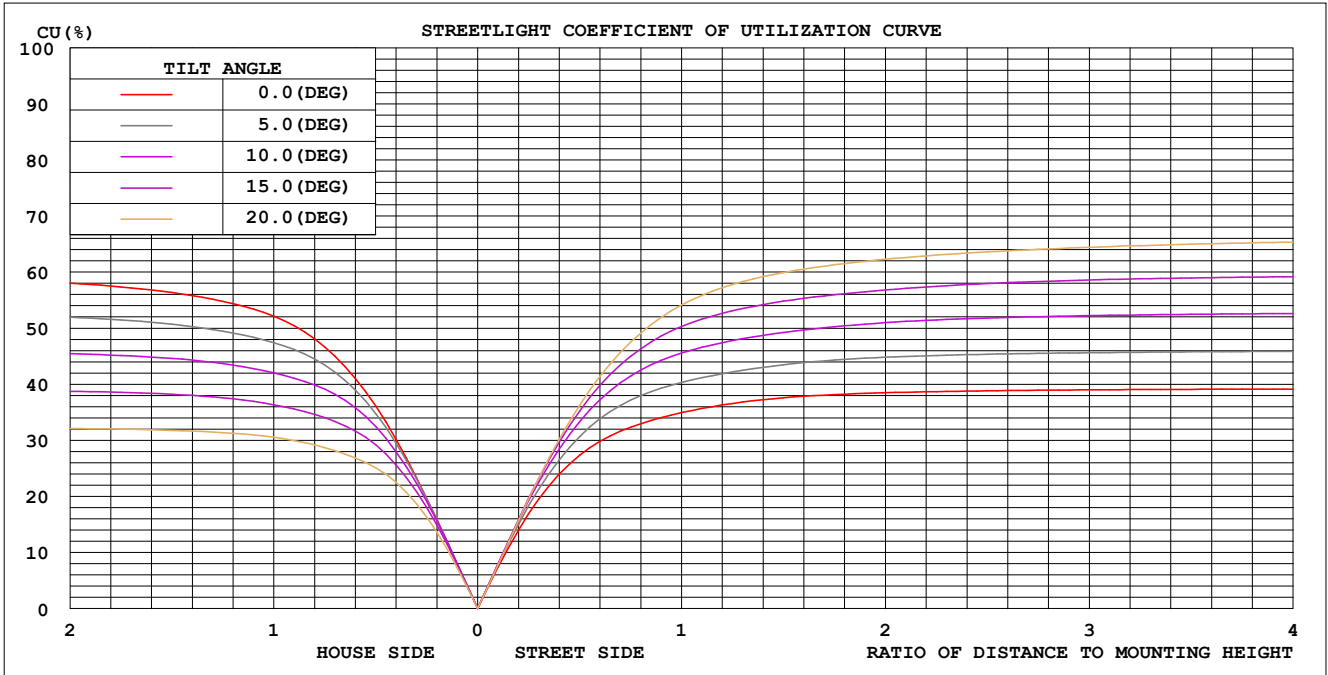
IES:Type VS - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:41.47cd/klm  
 Max.At90:3.699cd/klm  
 Max.80-90:41.47cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	9357
— 90%	8421
— 80%	7485
— 70%	6550
— 60%	5614
— 50%	4678
— 40%	3743
— 30%	2807
— 20%	1871
— 10%	936
— 5%	468

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu-1  
 Test Date:2025-01-09

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:8.260m [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-1  
Test Date: 2025-01-09

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity: 56%  
Test Distance: 8.260m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:

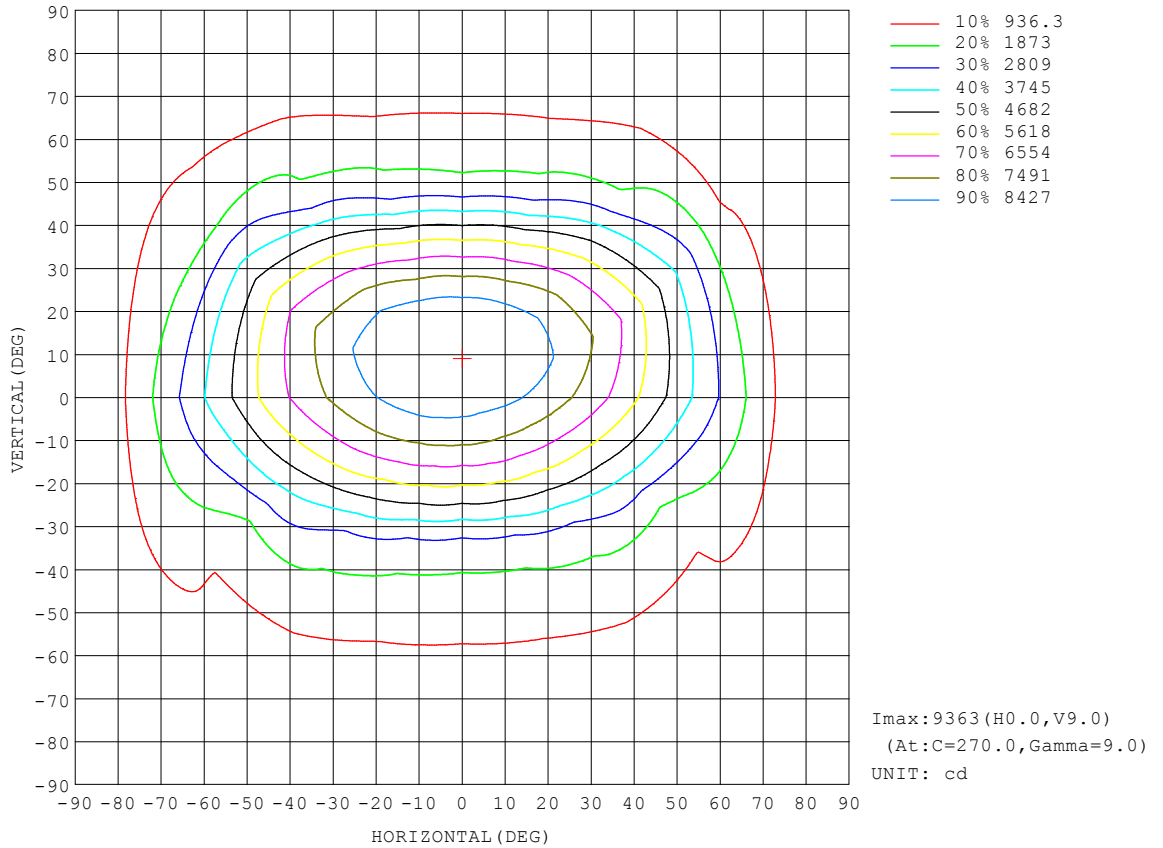
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	8692	7900	7638	8047	8894	9348	9356	9204	0- 10	838.5	838.5	5.02,5.02
20	8018	6376	5691	6673	8445	9086	8883	8845	10- 20	2321	3160	18.9,18.9
30	7057	4513	3346	4910	7663	8106	7100	7787	20- 30	3247	6407	38.3,38.3
40	5786	2510	1924	2859	6607	6276	4647	5987	30- 40	3388	9794	58.6,58.6
50	4292	1666	1477	1845	5236	3868	2113	3628	40- 50	2886	12680	75.9,75.9
60	2770	1049	641.1	1259	3733	1868	1364	1666	50- 60	2055	14735	88.1,88.1
70	1342	414.7	231.2	508.4	2171	1075	588.0	914.2	60- 70	1208	15943	95.4,95.4
80	272.2	93.68	55.56	126.9	693.3	393.2	199.1	289.6	70- 80	537.0	16480	98.6,98.6
90	7.220	8.095	9.933	10.62	18.42	61.84	42.68	34.79	80- 90	117.8	16598	99.3,99.3
100	4.678	4.831	3.195	3.970	9.369	4.815	3.985	5.393	90-100	9.875	16608	99.4,99.4
110	7.926	9.132	5.655	6.634	15.66	7.723	6.232	8.937	100-110	7.053	16615	99.4,99.4
120	12.28	15.11	10.05	11.30	22.67	12.77	9.977	14.65	110-120	10.97	16626	99.5,99.5
130	17.67	21.96	16.46	17.70	29.76	19.86	15.69	22.37	120-130	15.22	16641	99.6,99.6
140	24.13	28.94	24.14	24.80	36.31	28.14	24.42	31.57	130-140	18.70	16660	99.7,99.7
150	31.09	35.49	32.02	33.06	41.82	35.98	34.87	40.46	140-150	20.05	16680	99.8,99.8
160	38.58	42.48	41.81	42.33	46.20	42.56	43.95	47.69	150-160	18.31	16698	99.9,99.9
170	45.56	48.97	51.17	50.41	49.08	48.08	51.27	52.48	160-170	13.19	16711	100,100
180	49.57	51.10	54.79	54.11	49.63	51.08	54.77	54.09	170-180	4.885	16716	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu-1  
 Test Date:2025-01-09

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:8.260m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

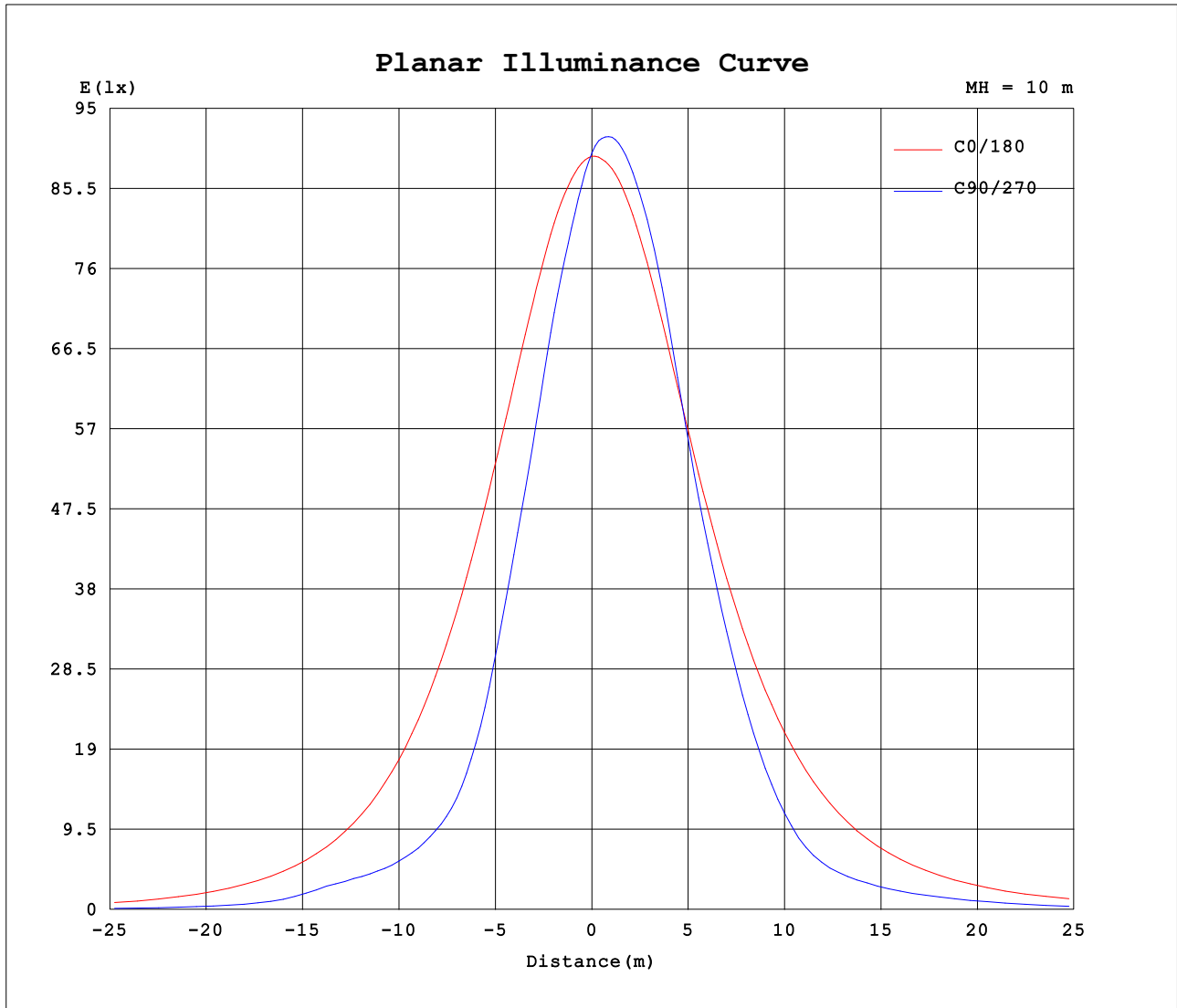
Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu-1  
 Test Date:2025-01-09

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:8.260m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



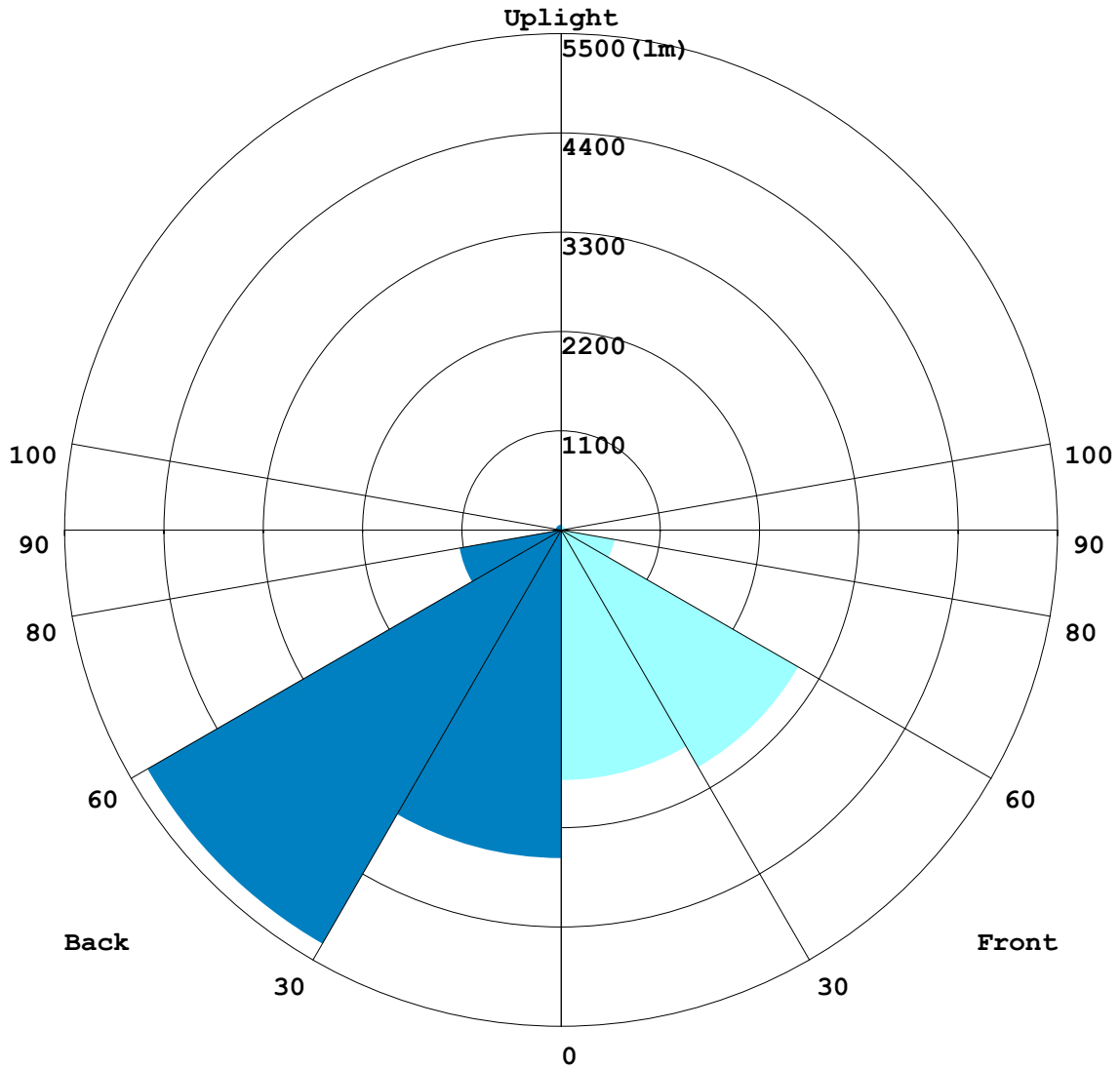
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu-1  
 Test Date: 2025-01-09

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 8.260m [K=1.0000]  
 Remarks:

LCS REPORT

Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu-1  
 Test Date:2025-01-09

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:8.260m [K=1.0000]  
 Remarks:

## BUG REPORT

Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2771.1	16.6
FM - Front-Medium(30-60)	3034.6	18.2
FH - Front-High(60-80)	602.77	3.6
FVH - Front-Very High(80-90)	24.895	0.1
Total Forward Light	6486.7	38.8

BL - Back-Low(0-30)	3635.6	21.7
BM - Back-Medium(30-60)	5293.7	31.7
BH - Back-High(60-80)	1142.5	6.8
BVH - Back-Very High(80-90)	92.866	0.6
Total Back Light	10230	61.2

UL - Uplight-Low(90-100)	9.8746	0.1
UH - Uplight-High(100-180)	108.36	0.6
Total Up Light	118.24	0.7

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10165	64.934	10230
Street Side	6433.3	53.305	6486.7

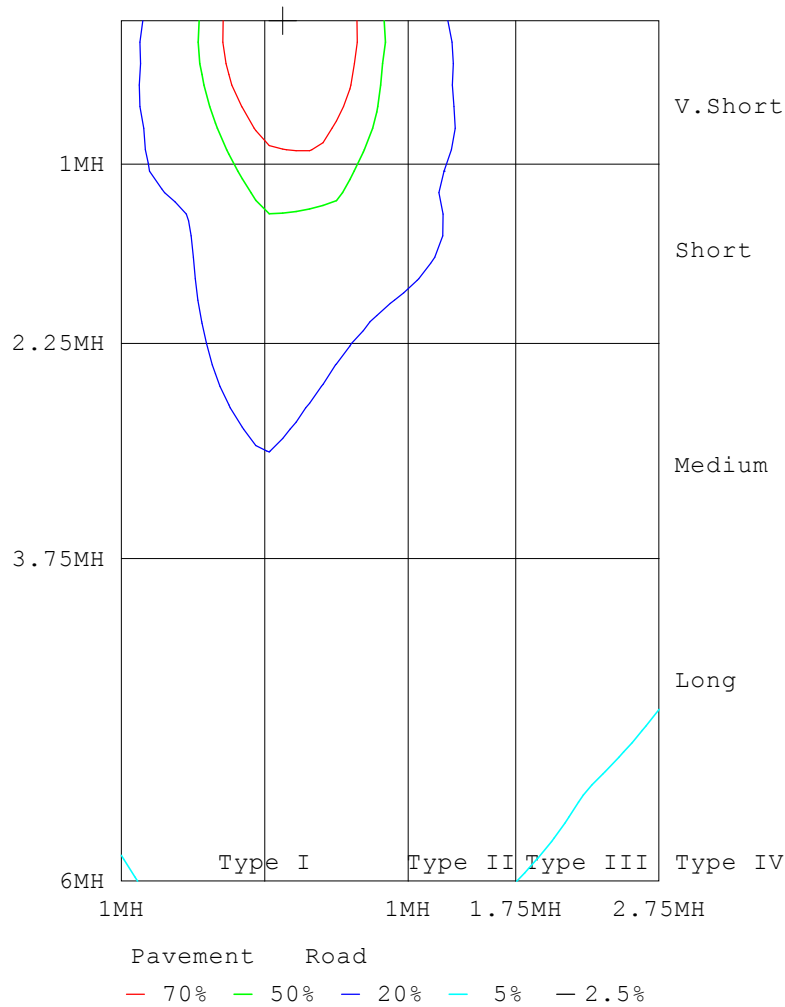
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu-1  
 Test Date:2025-01-09

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:8.260m [K=1.0000]  
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu-1  
 Test Date:2025-01-09

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:8.260m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.9904A P:118.6W PF:0.9972 Freq:59.98Hz Lamp Flux:16716.2x1 lm		
NAME: ASD-WLR-120BR-PC	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	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	8965	8965	8965	8965	8965	8965	8965	8965	8965	8965	8965	8965	8965	8965	8965	8965			
5	8870	8659	8483	8379	8346	8412	8553	8763	8966	9137	9229	9245	9265	9223	9158	9045			
10	8692	8256	7900	7703	7638	7766	8047	8453	8894	9197	9348	9349	9356	9297	9204	9003			
15	8396	7755	7211	6855	6716	6956	7435	8050	8717	9134	9288	9260	9251	9174	9091	8866			
20	8018	7153	6376	5850	5691	5976	6673	7556	8445	8963	9086	8976	8883	8871	8845	8609			
25	7571	6447	5464	4834	4588	4987	5792	6958	8090	8667	8727	8297	8084	8184	8432	8242			
30	7057	5663	4513	3659	3346	3819	4910	6258	7663	8278	8106	7344	7100	7248	7787	7801			
35	6456	4828	3460	2642	2409	2748	3892	5488	7172	7793	7244	6322	5993	6233	6937	7262			
40	5786	3969	2510	1998	1924	2093	2859	4666	6607	7181	6276	5075	4647	4992	5987	6611			
45	5057	3044	1996	1703	1627	1770	2174	3812	5971	6408	5166	3675	3236	3608	4899	5805			
50	4292	2086	1666	1513	1477	1568	1845	2853	5236	5461	3868	2433	2113	2382	3628	4857			
55	3523	1380	1469	1325	1245	1406	1603	1887	4470	4389	2547	1867	1671	1806	2341	3846			
60	2770	1038	1049	748	641	806	1259	1251	3733	3251	1868	1528	1364	1470	1666	2794			
65	2040	860	683	478	379	521	820	963	2946	1968	1541	1138	1028	1089	1342	1635			
70	1342	658	415	311	231	332	508	854	2171	1088	1075	697	588	662	914	894			
75	713	373	232	172	131	188	284	549	1429	879	657	476	348	429	540	651			
80	272	152	93.7	69.5	55.6	78.8	127	265	693	489	393	286	199	243	290	314			
85	51.8	25.8	16.2	17.1	17.8	19.4	25.4	64.2	183	215	203	137	108	126	141	121			
90	7.22	7.84	8.09	9.59	9.93	10.5	10.6	9.74	18.4	45.4	61.8	51.6	42.7	41.4	34.8	16.0			
95	4.62	5.82	4.98	5.08	5.17	5.83	6.17	6.12	9.08	6.34	7.83	9.27	9.33	7.64	6.26	7.02			
100	4.68	6.27	4.83	3.63	3.20	3.38	3.97	4.68	9.37	6.78	4.81	4.10	3.99	4.24	5.39	8.28			
105	6.17	8.23	6.74	4.89	4.17	4.17	4.94	5.97	12.4	8.84	5.97	5.16	4.82	5.48	6.86	10.9			
110	7.93	10.5	9.13	6.72	5.66	5.58	6.63	7.91	15.7	11.5	7.72	6.58	6.23	7.01	8.94	14.2			
115	9.98	13.0	11.9	9.04	7.62	7.52	8.76	10.3	19.1	14.7	9.98	8.31	7.89	8.89	11.5	18.0			
120	12.3	15.8	15.1	11.8	10.1	9.89	11.3	12.9	22.7	18.1	12.8	10.4	9.98	11.2	14.7	22.0			
125	14.8	18.8	18.5	15.2	13.0	12.8	14.4	15.9	26.3	21.7	16.0	13.1	12.5	14.1	18.3	26.3			
130	17.7	22.0	22.0	18.8	16.5	16.0	17.7	19.2	29.8	25.4	19.9	16.5	15.7	17.6	22.4	30.5			
135	20.8	25.3	25.4	22.5	20.2	19.7	21.2	22.8	33.1	29.0	24.0	20.7	19.7	21.8	26.8	34.7			
140	24.1	28.6	28.9	26.4	24.1	23.5	24.8	26.7	36.3	32.4	28.1	25.3	24.4	26.6	31.6	38.6			
145	27.5	31.8	32.2	30.1	28.0	27.4	28.8	30.8	39.2	35.5	32.2	30.1	29.6	31.7	36.2	42.1			
150	31.1	35.3	35.5	33.8	32.0	31.6	33.1	35.0	41.8	38.5	36.0	34.9	34.9	36.8	40.5	45.3			
155	34.9	38.8	38.9	37.5	36.7	36.3	37.6	39.1	44.2	41.2	39.4	39.1	39.7	41.3	44.4	48.0			
160	38.6	42.1	42.5	41.7	41.8	41.4	42.3	43.1	46.2	43.5	42.6	43.0	44.0	45.2	47.7	50.3			
165	42.3	45.2	46.1	46.1	46.9	46.6	46.8	46.7	47.8	45.7	45.5	46.6	47.8	48.6	50.4	52.1			
170	45.6	47.8	49.0	49.8	51.2	50.7	50.4	49.8	49.1	47.7	48.1	49.8	51.3	51.4	52.5	53.5			
175	48.3	49.5	50.8	52.4	54.1	53.4	53.0	52.5	49.7	49.0	50.0	51.9	53.7	53.3	53.8	54.1			
180	49.6	49.8	51.1	53.0	54.8	54.2	54.1	53.9	49.6	49.8	51.1	52.9	54.8	54.2	54.1	53.9			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu-1  
 Test Date:2025-01-09

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:8.260m [K=1.0000]  
 Remarks: