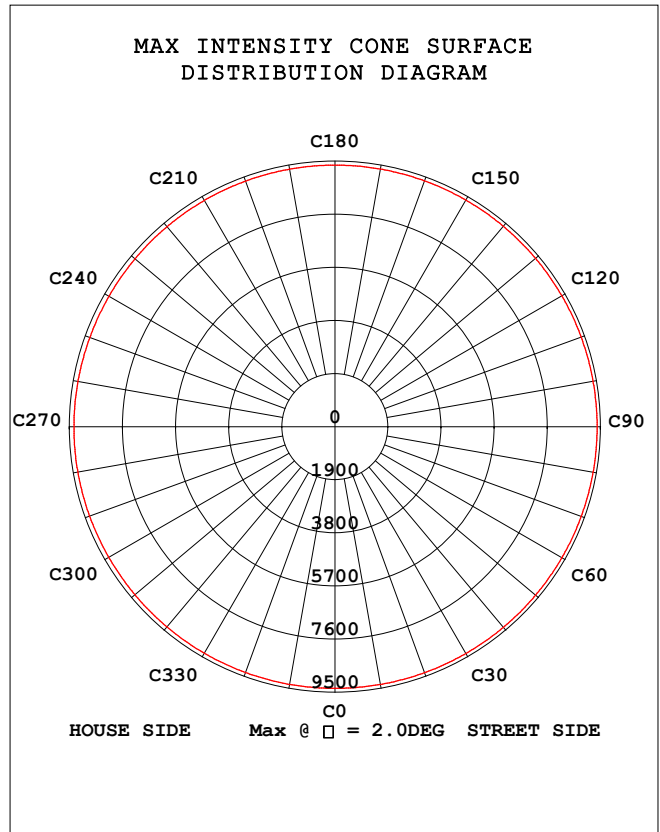
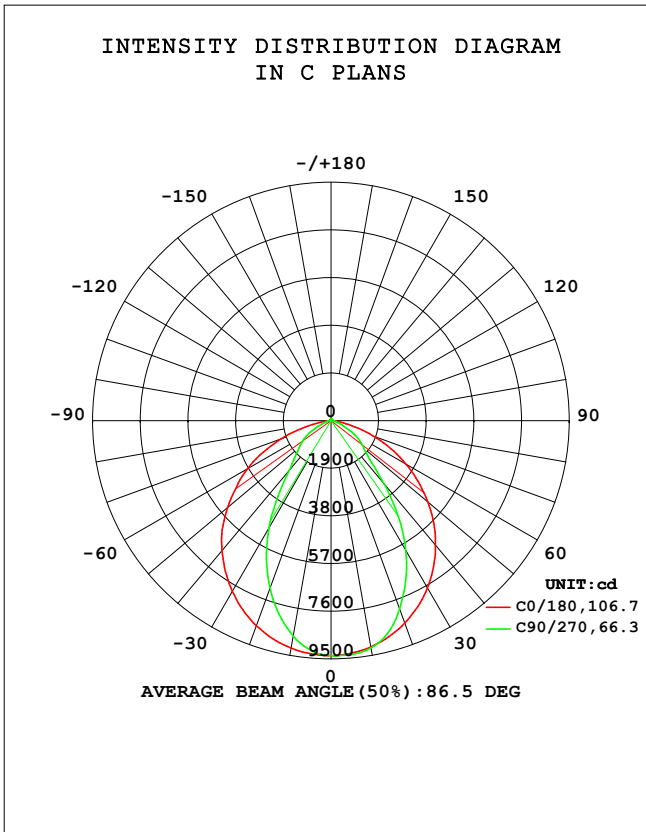


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	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: 140.08 lm/W			
MODEL	ASD-WLR-120BR-PC-UD	Imax (cd)	9377	<input type="checkbox"/> street_up (%)	0.3
NOMINAL POWER (W)	120	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	51.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	17000	<input type="checkbox"/> house_up (%)	0.4
NOMINAL FLUX (lm)	17000.3	MAXIMUM @ (C, \square)	90,2.0	<input type="checkbox"/> house_down (%)	47.6
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	22.196

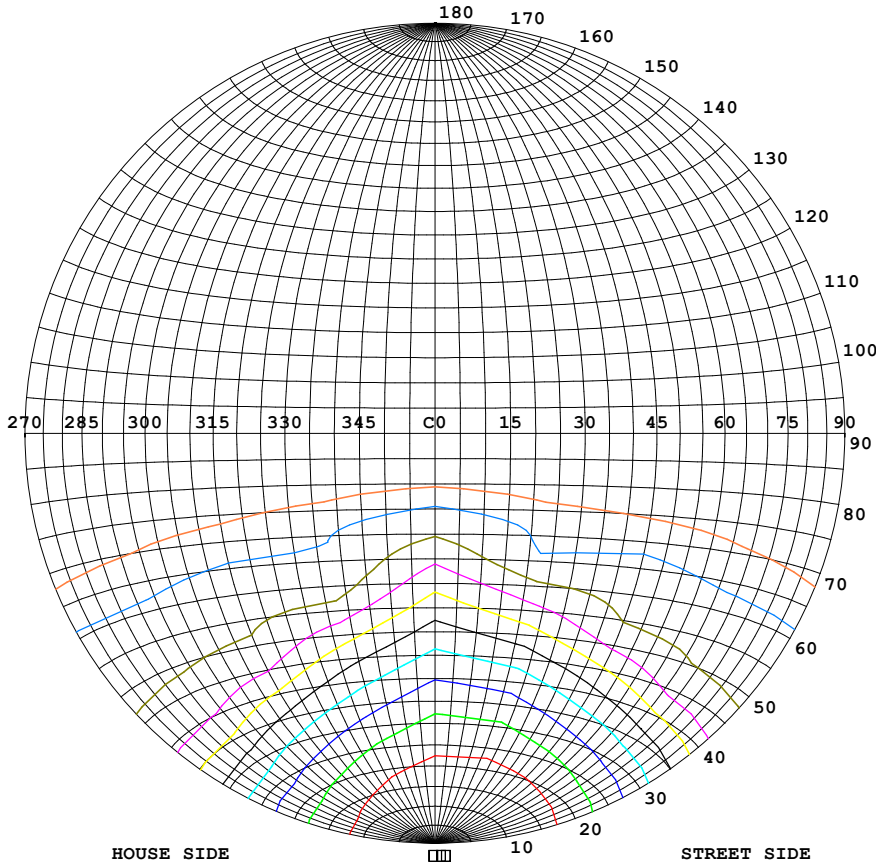


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu-1
 Test Date: 2025-02-13

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 56%
 Test Distance: 8.340m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:



Classification:

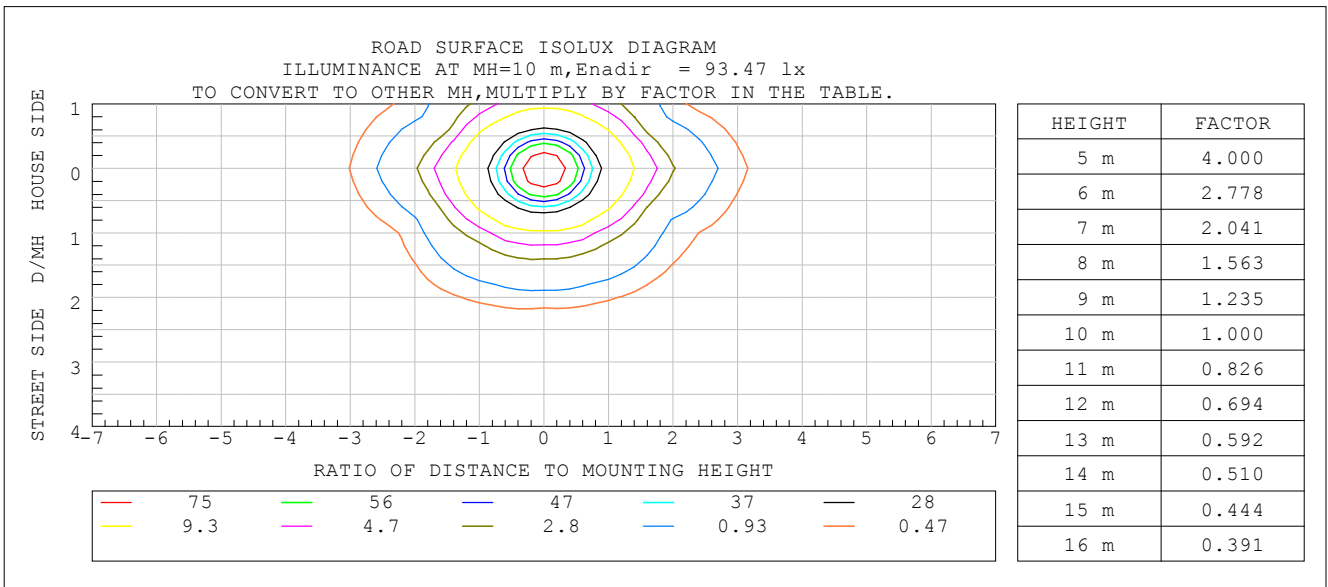
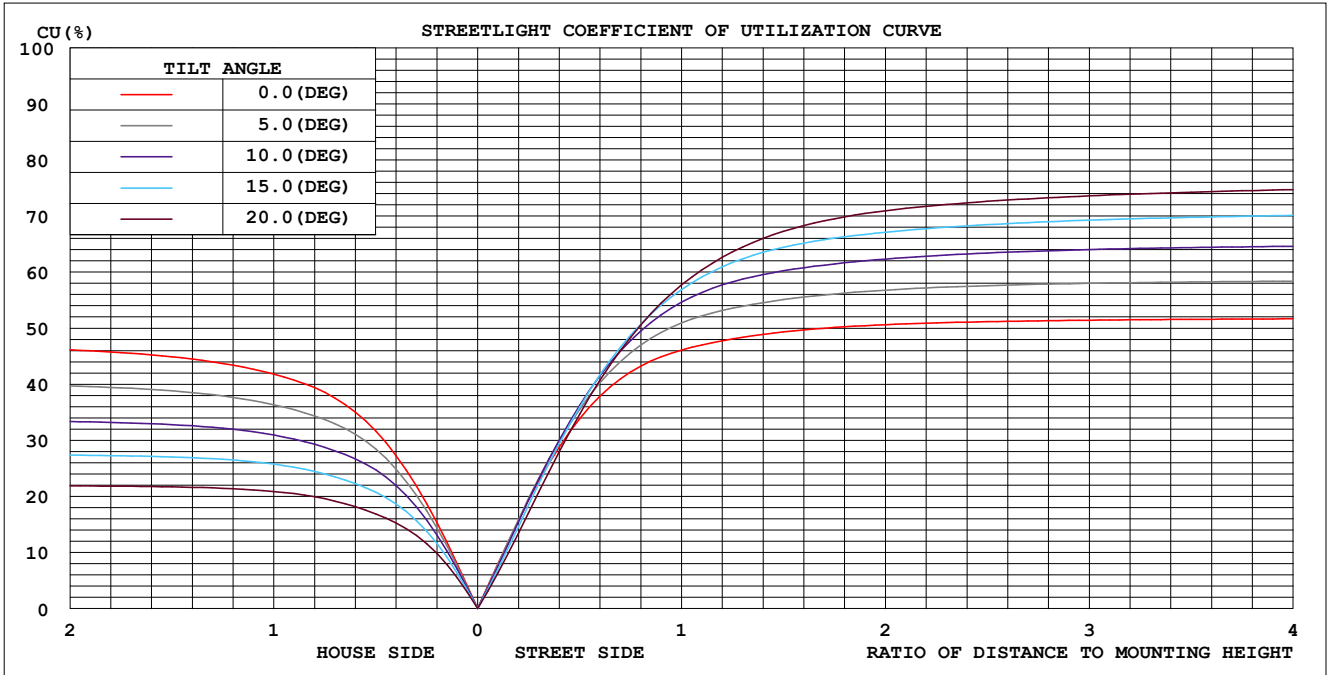
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:29.31cd/klm
 Max.At90:0.7784cd/klm
 Max.80-90:29.31cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	9377
90%	8440
80%	7502
70%	6564
60%	5626
50%	4689
40%	3751
30%	2813
20%	1875
10%	938
5%	469

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu-1
 Test Date:2025-02-13

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:8.340m [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: 2025-02-13

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 56%
 Test Distance: 8.340m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:

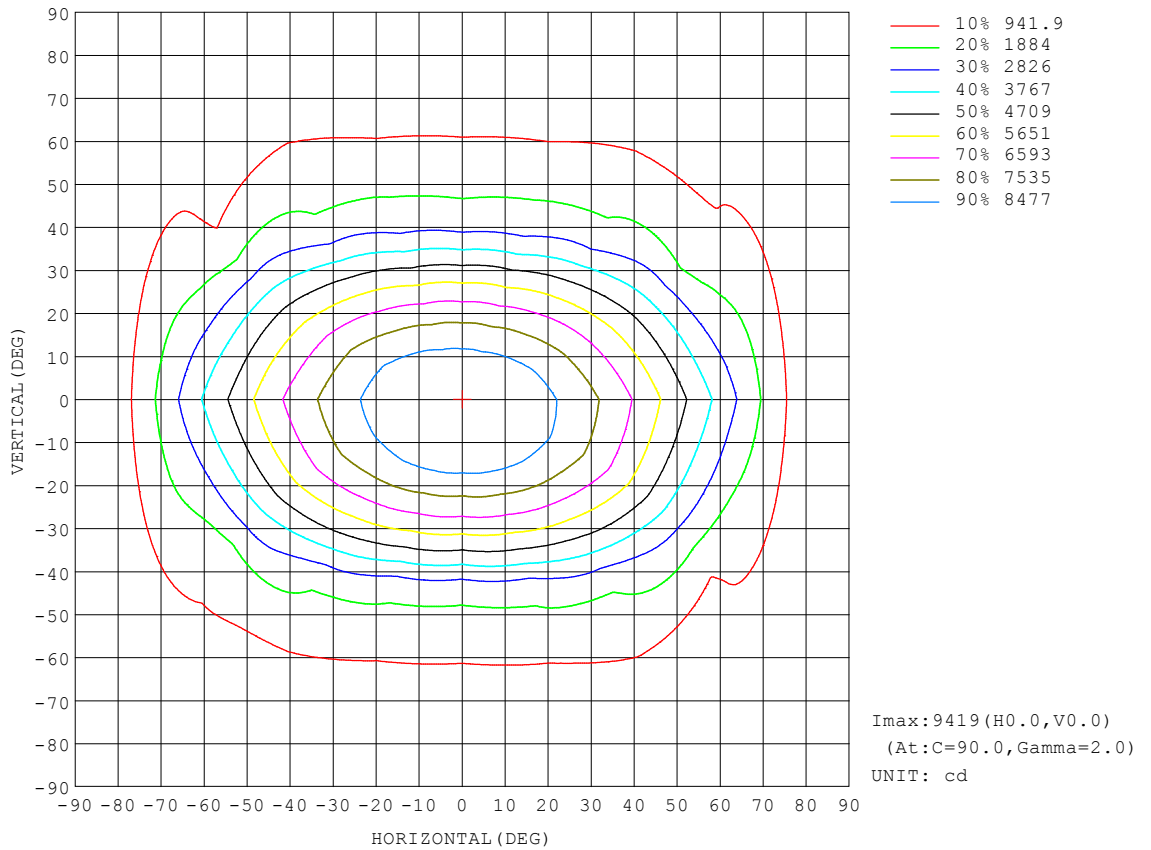
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	9159	9207	9200	9227	9206	8976	8714	8910	0- 10	880.4	880.4	5.18,5.18
20	8588	8466	7992	8469	8700	7818	7113	7693	10- 20	2437	3317	19.5,19.5
30	7701	6955	5962	6895	7864	6209	4972	6016	20- 30	3392	6709	39.5,39.5
40	6486	4981	3304	4889	6767	4159	2604	3902	30- 40	3501	10210	60.1,60.1
50	5035	2613	1714	2432	5388	2132	1659	2029	40- 50	2835	13044	76.7,76.7
60	3445	1545	1059	1515	3841	1495	1035	1436	50- 60	2022	15067	88.6,88.6
70	1777	754.2	386.0	692.7	2106	745.8	364.5	665.0	60- 70	1179	16246	95.6,95.6
80	401.5	227.5	129.0	223.7	498.3	212.3	109.4	203.2	70- 80	534.0	16780	98.7,98.7
90	7.939	11.08	12.99	11.69	10.65	7.261	8.099	6.707	80- 90	97.94	16878	99.3,99.3
100	4.575	3.990	4.320	4.080	9.753	6.576	4.570	6.252	90-100	7.127	16885	99.3,99.3
110	8.147	5.862	3.862	4.503	16.65	12.38	8.287	11.88	100-110	7.472	16893	99.4,99.4
120	13.05	10.51	6.651	7.716	24.61	20.54	15.02	20.31	110-120	11.78	16904	99.4,99.4
130	19.35	16.77	11.17	12.55	32.84	29.76	24.89	30.64	120-130	16.62	16921	99.5,99.5
140	26.97	23.92	17.64	18.80	40.78	37.94	36.47	40.57	130-140	20.37	16941	99.7,99.7
150	35.41	31.15	25.35	25.66	47.53	44.75	45.93	48.52	140-150	21.43	16963	99.8,99.8
160	43.67	38.88	34.15	34.64	52.36	49.87	52.42	53.39	150-160	19.07	16982	99.9,99.9
170	50.95	47.03	44.85	45.10	55.34	53.22	55.68	55.24	160-170	13.49	16995	100,100
180	55.36	52.72	53.56	53.04	55.48	52.82	53.63	53.08	170-180	4.971	17000	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:2025-02-13

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:8.340m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

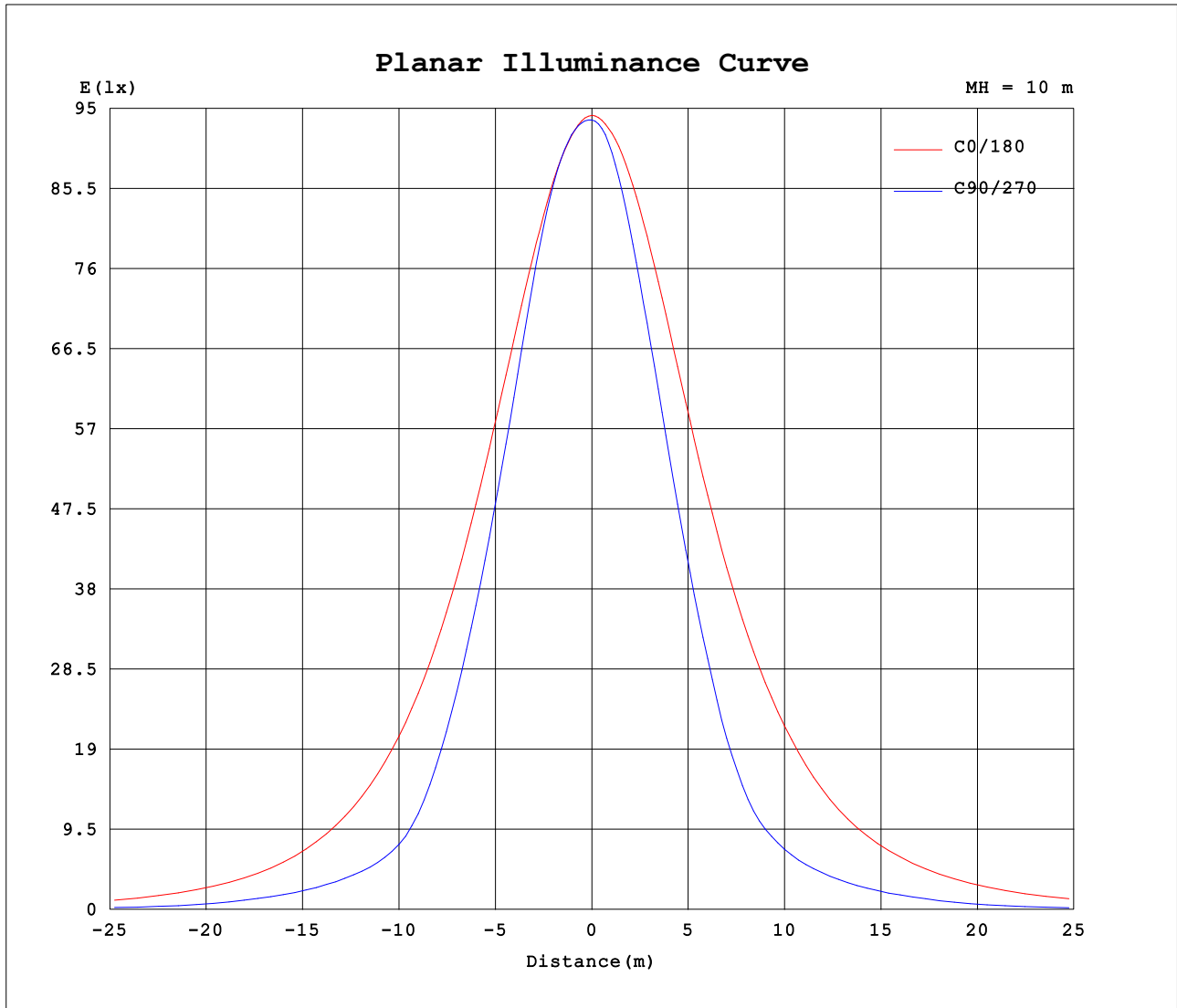
Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	TYPE:	WEIGHT:
SPEC.:120W-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.35*0.135	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu-1
 Test Date:2025-02-13

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:8.340m [K=1.0000]
 Remarks:

Planar Illuminance Curve



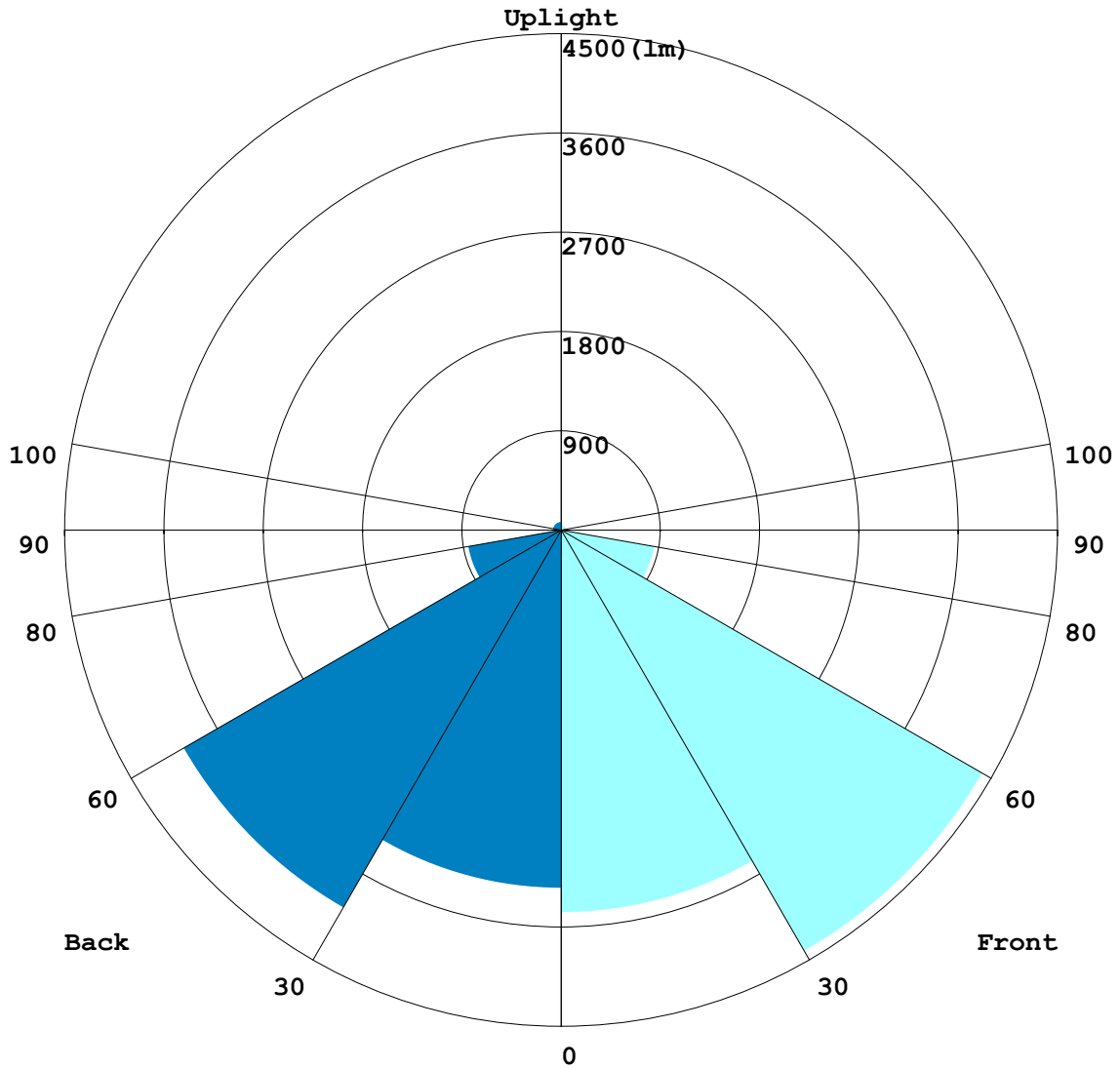
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu-1
 Test Date: 2025-02-13

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 56%
 Test Distance: 8.340m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	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:2025-02-13

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:8.340m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	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)	3464.9	20.4
FM - Front-Medium(30-60)	4407.4	25.9
FH - Front-High(60-80)	858.63	5.1
FVH - Front-Very High(80-90)	50.397	0.3
Total Forward Light	8827.6	51.9

BL - Back-Low(0-30)	3244	19.1
BM - Back-Medium(30-60)	3950.4	23.2
BH - Back-High(60-80)	854.82	5.0
BVH - Back-Very High(80-90)	47.545	0.3
Total Back Light	8172.8	48.1

UL - Uplight-Low(90-100)	7.1274	0.0
UH - Uplight-High(100-180)	115.21	0.7
Total Up Light	122.34	0.7

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8096.7	76.041	8172.8
Street Side	8781.3	46.295	8827.6

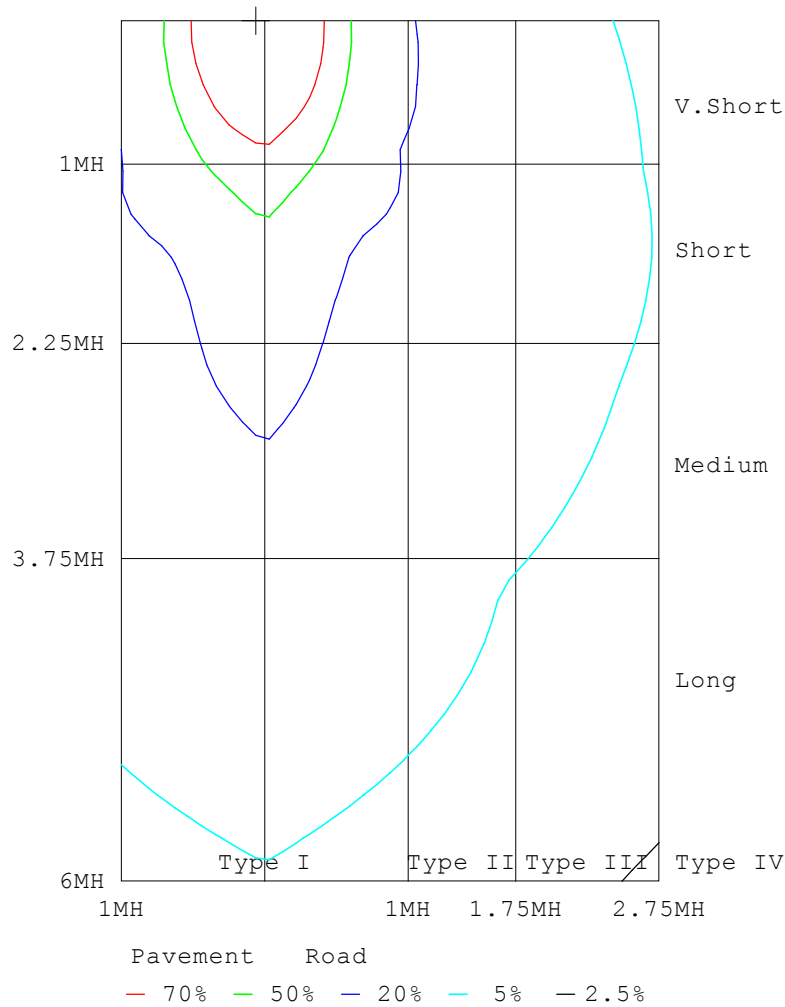
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu-1
 Test Date:2025-02-13

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:8.340m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	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:2025-02-13

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:56%
 Test Distance:8.340m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.1V I:1.013A P:121.4W PF:0.9973 Freq:59.98Hz Lamp Flux:17000.3x1 lm		
NAME: ASD-WLR-120BR-PC-UD	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	9370	9370	9370	9370	9370	9370	9370	9370	9370	9370	9370	9370	9370	9370	9370	9370			
5	9304	9323	9337	9352	9358	9354	9330	9328	9322	9300	9259	9212	9202	9205	9253	9293			
10	9159	9194	9207	9210	9200	9207	9227	9213	9206	9138	8976	8777	8714	8748	8910	9084			
15	8914	8972	8931	8838	8769	8841	8941	8996	8997	8843	8481	8108	7992	8061	8379	8749			
20	8588	8640	8466	8185	7992	8153	8469	8670	8700	8433	7818	7307	7113	7234	7693	8278			
25	8184	8189	7795	7295	7054	7258	7759	8222	8323	7903	7045	6356	6096	6269	6895	7675			
30	7701	7620	6955	6308	5962	6250	6895	7647	7864	7246	6209	5280	4972	5185	6016	6958			
35	7129	6933	6018	5189	4711	5095	5942	6947	7343	6481	5233	4120	3704	3980	5008	6171			
40	6486	6133	4981	3871	3304	3748	4889	6119	6767	5668	4159	2977	2604	2847	3902	5340			
45	5792	5202	3862	2549	2188	2449	3670	5201	6133	4796	3033	2198	2028	2148	2763	4416			
50	5035	4172	2613	1899	1714	1852	2432	4155	5388	3800	2132	1838	1659	1798	2029	3374			
55	4241	3103	1841	1591	1395	1536	1824	3088	4607	2729	1747	1553	1354	1484	1707	2293			
60	3445	2068	1545	1209	1059	1165	1515	1929	3841	1669	1495	1176	1035	1109	1436	1397			
65	2629	1078	1161	792	635	751	1089	1133	2983	952	1127	761	622	719	1019	1030			
70	1777	823	754	517	386	484	693	980	2106	773	746	500	364	465	665	908			
75	1003	565	433	329	234	306	415	625	1235	593	422	307	213	281	389	583			
80	401	282	227	180	129	165	224	313	498	289	212	155	109	143	203	287			
85	87.5	86.2	79.7	69.2	52.0	64.7	79.9	94.4	110	87.7	67.3	48.8	38.7	45.3	65.3	74.1			
90	7.94	9.93	11.1	13.1	13.0	13.2	11.7	9.17	10.6	7.67	7.26	7.68	8.10	7.74	6.71	7.78			
95	4.66	6.19	6.51	7.86	7.87	7.82	6.82	5.45	8.59	7.12	4.88	3.93	3.47	3.73	4.62	6.97			
100	4.58	5.30	3.99	4.41	4.32	4.47	4.08	3.87	9.75	9.36	6.58	5.26	4.57	5.03	6.25	9.29			
105	6.19	6.65	4.21	3.42	2.98	3.07	3.40	4.49	13.0	12.6	9.16	7.01	6.13	6.75	8.72	12.6			
110	8.15	8.82	5.86	4.47	3.86	3.80	4.50	5.99	16.6	16.3	12.4	9.41	8.29	9.14	11.9	16.5			
115	10.5	11.3	7.99	5.90	5.08	4.96	5.95	7.88	20.5	20.3	16.2	12.6	11.2	12.4	15.8	20.8			
120	13.1	14.0	10.5	7.80	6.65	6.47	7.72	10.3	24.6	24.4	20.5	16.6	15.0	16.5	20.3	25.3			
125	16.0	17.2	13.5	10.2	8.70	8.50	9.91	12.9	28.7	28.4	25.2	21.2	19.6	21.2	25.3	29.9			
130	19.3	20.6	16.8	13.1	11.2	11.0	12.6	15.8	32.8	32.4	29.8	26.5	24.9	26.7	30.6	34.5			
135	23.0	24.1	20.3	16.4	14.2	13.8	15.6	18.8	36.9	36.1	34.0	31.8	30.7	32.4	35.8	38.8			
140	27.0	27.6	23.9	20.0	17.6	17.1	18.8	22.0	40.8	39.6	37.9	36.7	36.5	38.0	40.6	42.7			
145	31.1	31.1	27.6	23.8	21.4	20.7	22.1	25.5	44.4	42.8	41.5	41.2	41.5	43.0	44.9	46.2			
150	35.4	34.6	31.2	27.7	25.4	24.4	25.7	29.2	47.5	45.7	44.8	45.0	45.9	47.1	48.5	49.1			
155	39.6	38.4	34.9	31.6	29.5	28.5	29.9	33.4	50.2	48.3	47.5	48.3	49.6	50.4	51.3	51.5			
160	43.7	42.3	38.9	35.8	34.2	33.4	34.6	38.0	52.4	50.6	49.9	51.0	52.4	53.0	53.4	53.4			
165	47.5	46.0	43.0	40.5	39.5	38.8	39.8	42.8	54.1	52.4	51.9	53.0	54.5	54.5	54.7	54.6			
170	51.0	49.4	47.0	45.3	44.8	44.3	45.1	47.3	55.3	53.6	53.2	54.2	55.7	55.1	55.2	55.1			
175	53.8	52.2	50.5	49.8	50.0	49.2	49.8	51.2	55.8	54.1	53.6	54.2	55.4	54.6	54.8	55.0			
180	55.4	53.7	52.7	52.9	53.6	52.7	53.0	53.8	55.5	53.7	52.8	52.8	53.6	52.7	53.1	53.8			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:27DEG

Operators:lianghaizhu-1

Test Date:2025-02-13

□ Range: 0 - 180DEG

□ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364

Humidity:56%

Test Distance:8.340m [K=1.0000]

Remarks: