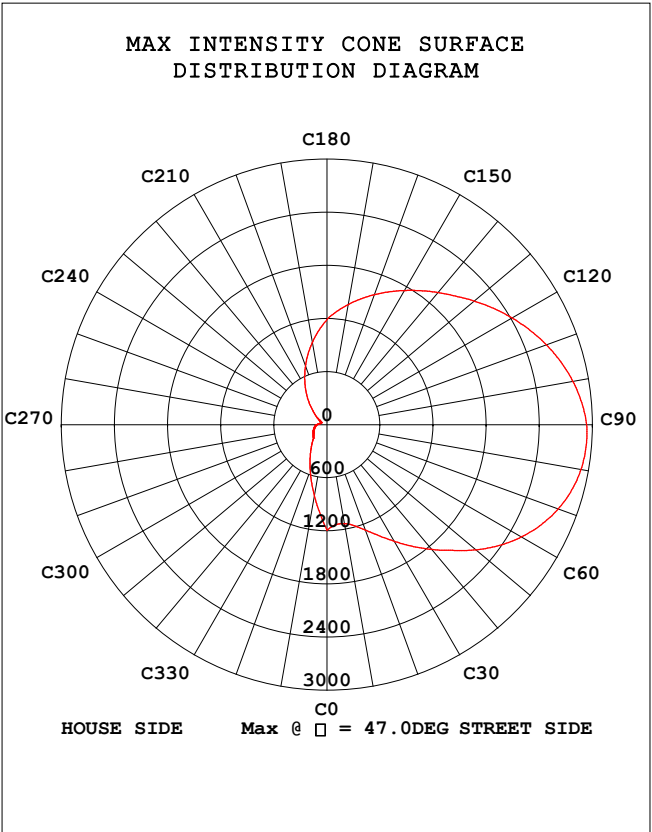
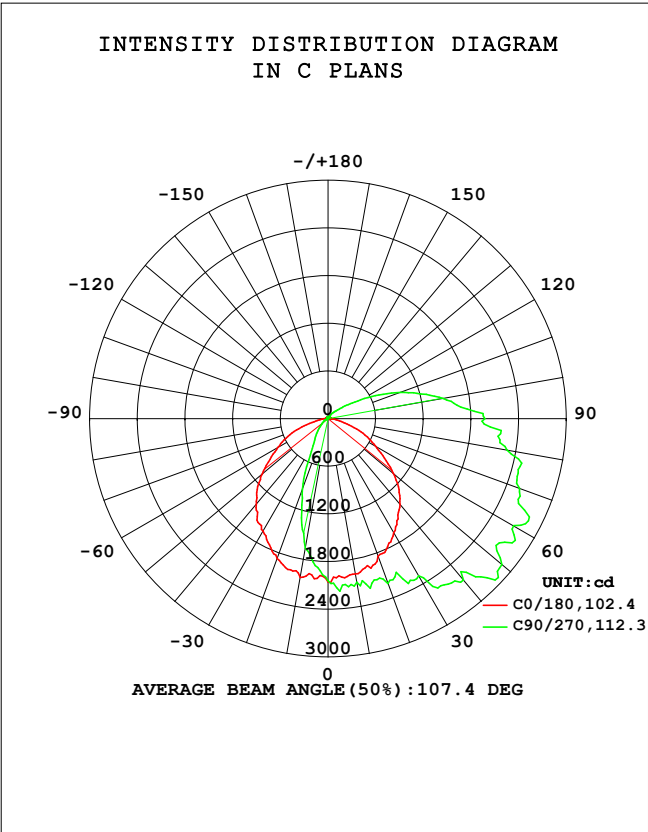


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 156.53 lm/W
MODEL		Imax(cd)	2934	☐ street_up(%)	13.8	
NOMINAL POWER(W)	50	LOR(%)	100.0	☐ street_down(%)	69.6	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	7889	☐ house_up(%)	0.8	
NOMINAL FLUX(lm)	7889.4	MAXIMUM @ (C, ☐)	90,47.0	☐ house_down(%)	15.8	
LAMPS INSIDE	1	☐ up(%)	14.6	76 FLASHAREA(m2)	0.05000	
TEST VOLTAGE(V)	120	☐ down(%)	85.4	SLI	19.891	

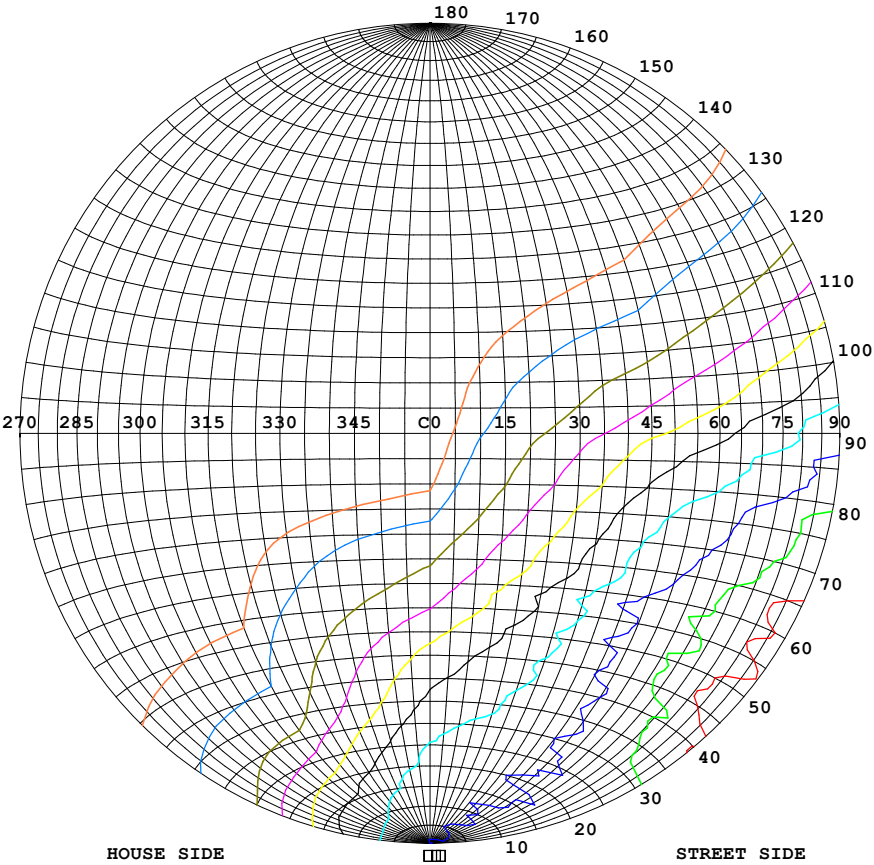


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-20

☐ 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:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:



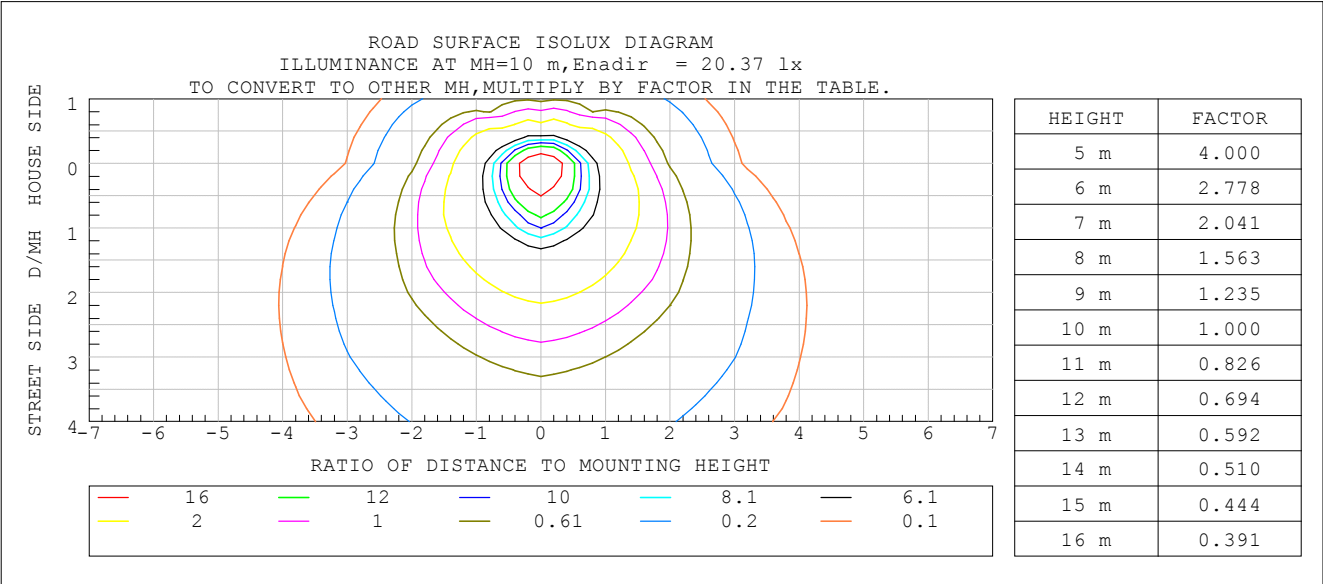
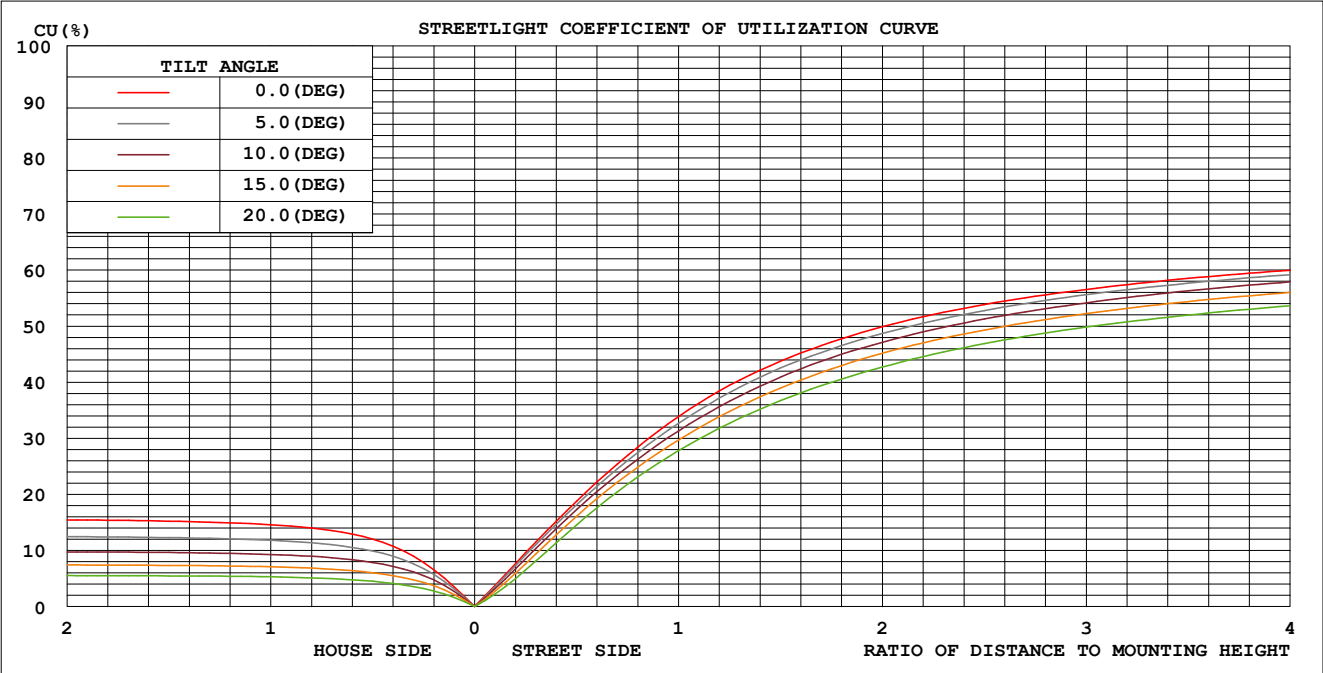
Classification:
IES:Type IV - Very Short
CIE:Broad - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:290.0cd/klm
Max.At90:250.2cd/klm
Max.80-90:290.0cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2934
90%	2641
80%	2347
70%	2054
60%	1760
50%	1467
40%	1174
30%	880
20%	587
10%	293
5%	147

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-20

☐ 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: 2024-02-20

□ 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:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

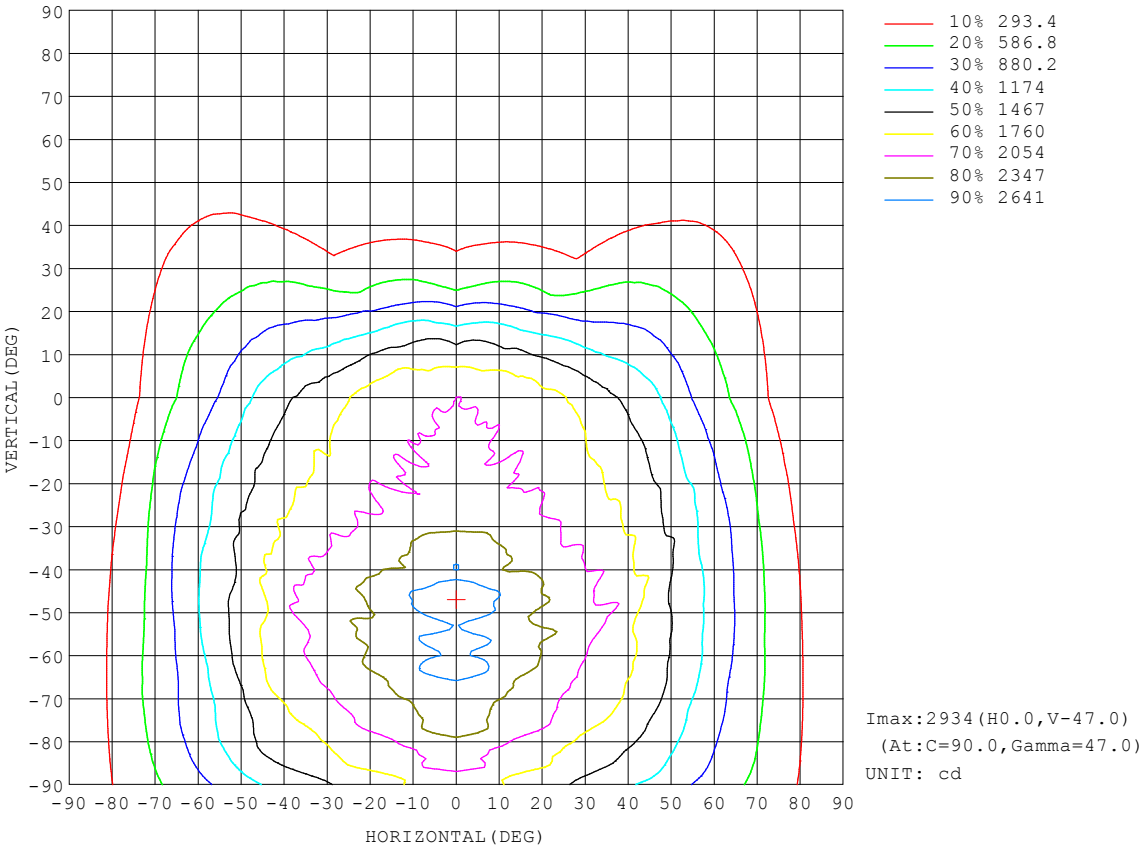
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1987	2053	2091	2030	2029	1725	1659	1725	0- 10	186.4	186.4	2.36,2.36
20	1845	2093	2207	2067	1874	1315	943.6	1258	10- 20	508.9	695.3	8.81,8.81
30	1658	2054	2284	2025	1636	738.2	368.4	707.0	20- 30	715.5	1411	17.9,17.9
40	1412	1978	2654	1995	1409	343.0	204.5	319.0	30- 40	850.2	2261	28.7,28.7
50	1075	2050	2860	2054	1079	189.6	97.95	183.1	40- 50	969.1	3230	40.9,40.9
60	688.6	1989	2697	2033	730.6	99.14	52.94	93.17	50- 60	1005	4235	53.7,53.7
70	382.0	1751	2567	1884	423.0	45.31	20.80	44.07	60- 70	964.4	5200	65.9,65.9
80	123.5	1478	2288	1570	127.3	19.29	13.10	17.55	70- 80	845.9	6046	76.6,76.6
90	38.82	1112	1974	1180	35.56	16.03	15.93	14.62	80- 90	692.8	6738	85.4,85.4
100	26.03	706.6	1475	796.6	27.46	15.96	18.45	16.00	90-100	507.0	7245	91.8,91.8
110	27.31	362.1	970.1	425.4	31.60	16.54	20.32	16.38	100-110	325.5	7571	96,96
120	26.71	170.7	478.5	200.6	27.61	17.30	21.34	17.05	110-120	172.0	7743	98.1,98.1
130	22.54	85.33	203.0	100.0	22.30	18.06	21.80	17.73	120-130	78.85	7822	99.1,99.1
140	18.37	40.22	101.5	42.84	17.25	18.57	21.77	18.21	130-140	35.94	7858	99.6,99.6
150	15.27	23.77	34.05	24.82	14.55	18.67	21.29	18.43	140-150	17.10	7875	99.8,99.8
160	14.29	13.28	18.15	14.14	14.16	18.17	20.08	18.18	150-160	8.623	7884	99.9,99.9
170	15.02	13.29	12.46	13.60	15.08	17.14	18.12	17.47	160-170	4.407	7888	100,100
180	15.48	15.49	15.42	15.98	15.47	15.50	15.43	16.01	170-180	1.470	7889	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:2024-02-20

□ 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

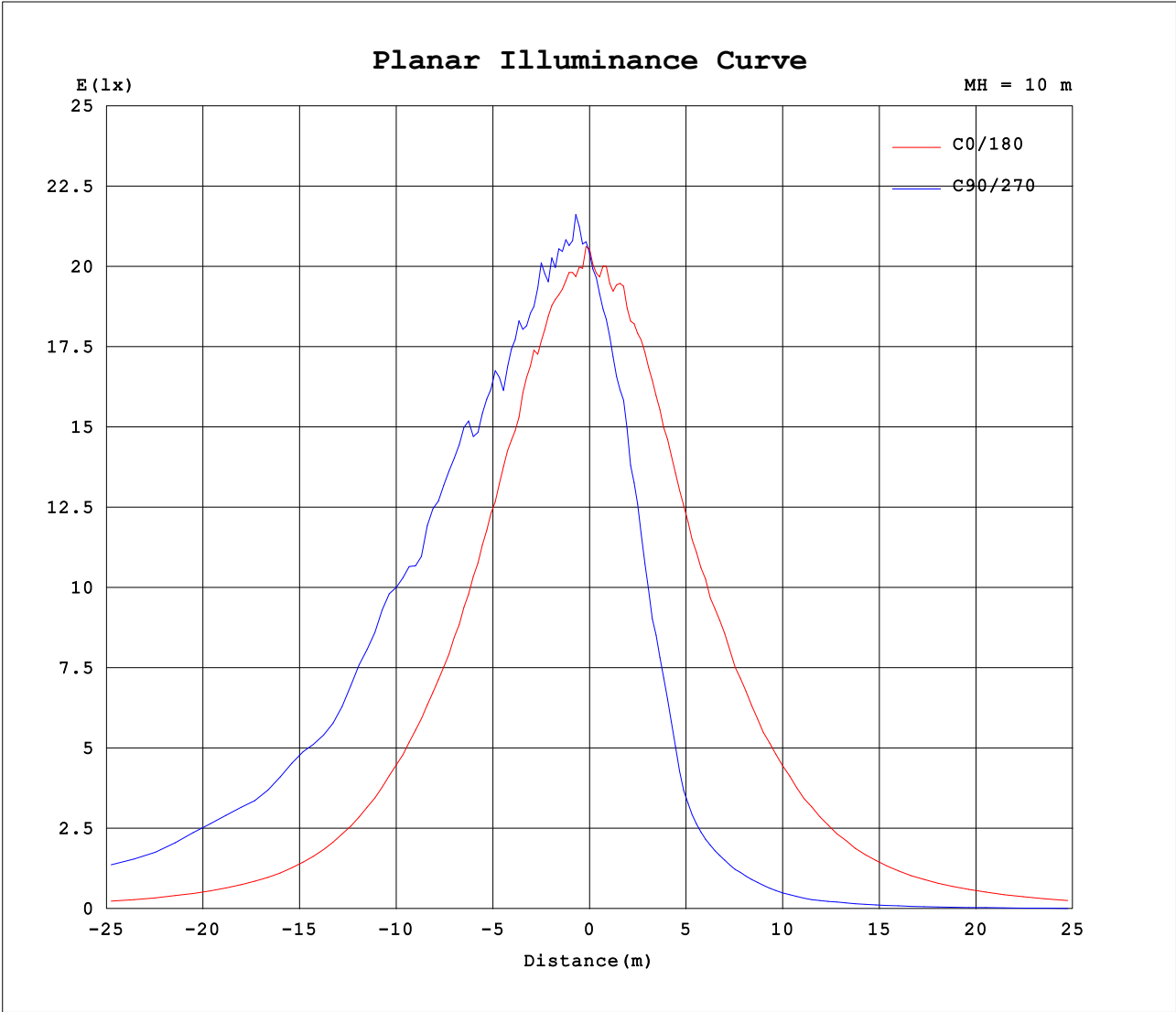
Test:U:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-20

☐ 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



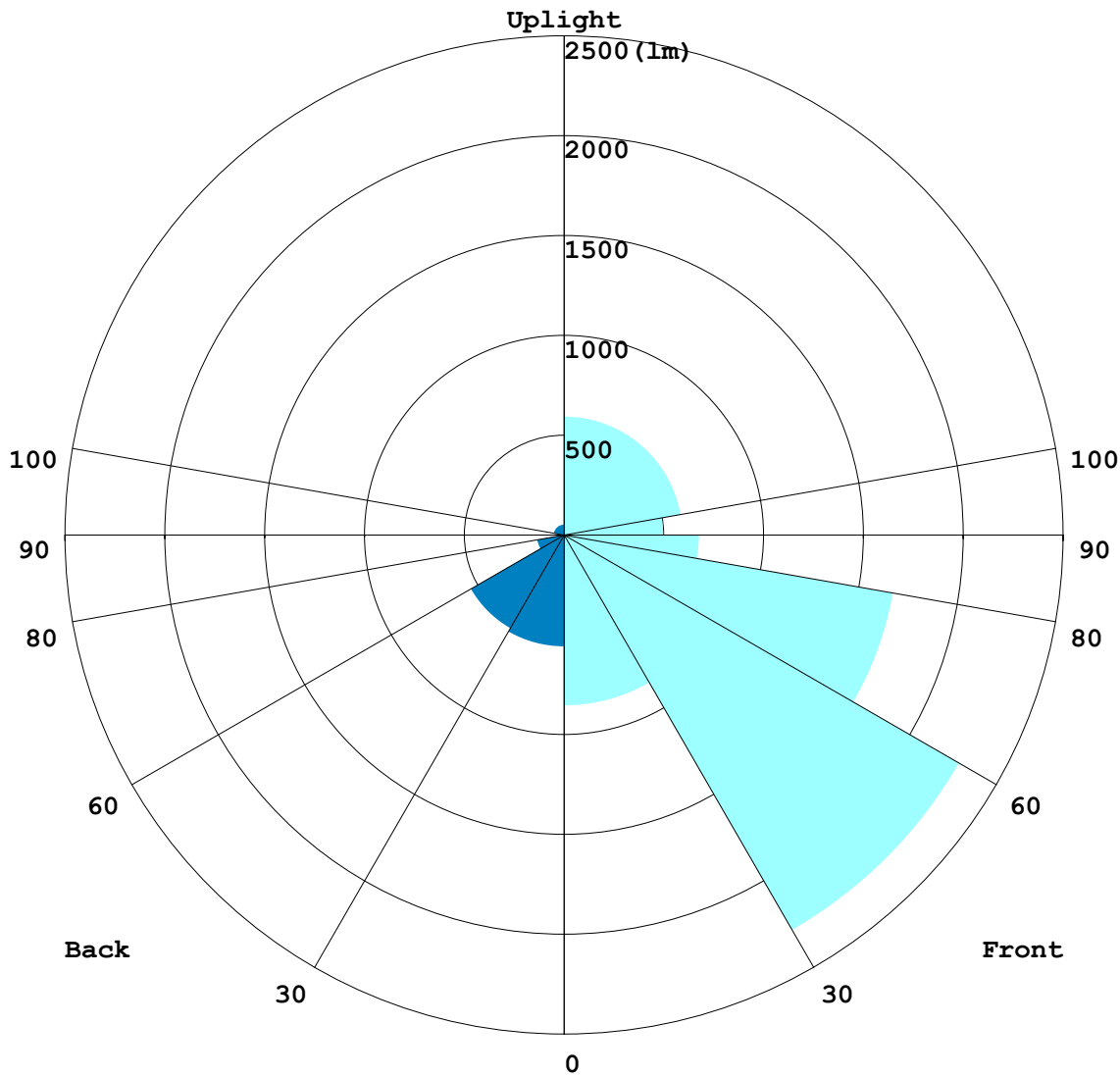
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-20

☐ 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:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*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:2024-02-20

☐ 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:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	853.1	10.8
FM - Front-Medium(30-60)	2284.8	29.0
FH - Front-High(60-80)	1673.5	21.2
FVH - Front-Very High(80-90)	676.69	8.6
Total Forward Light	6577.2	83.4

BL - Back-Low(0-30)	557.71	7.1
BM - Back-Medium(30-60)	539.72	6.8
BH - Back-High(60-80)	136.81	1.7
BVH - Back-Very High(80-90)	16.116	0.2
Total Back Light	1312.2	16.6

UL - Uplight-Low(90-100)	507.04	6.4
UH - Uplight-High(100-180)	643.94	8.2
Total Up Light	1151	14.6

BUG(Back,Up,Glare) Rating	B2-U4-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1250.4	61.829	1312.2
Street Side	5488.1	1089.1	6577.2

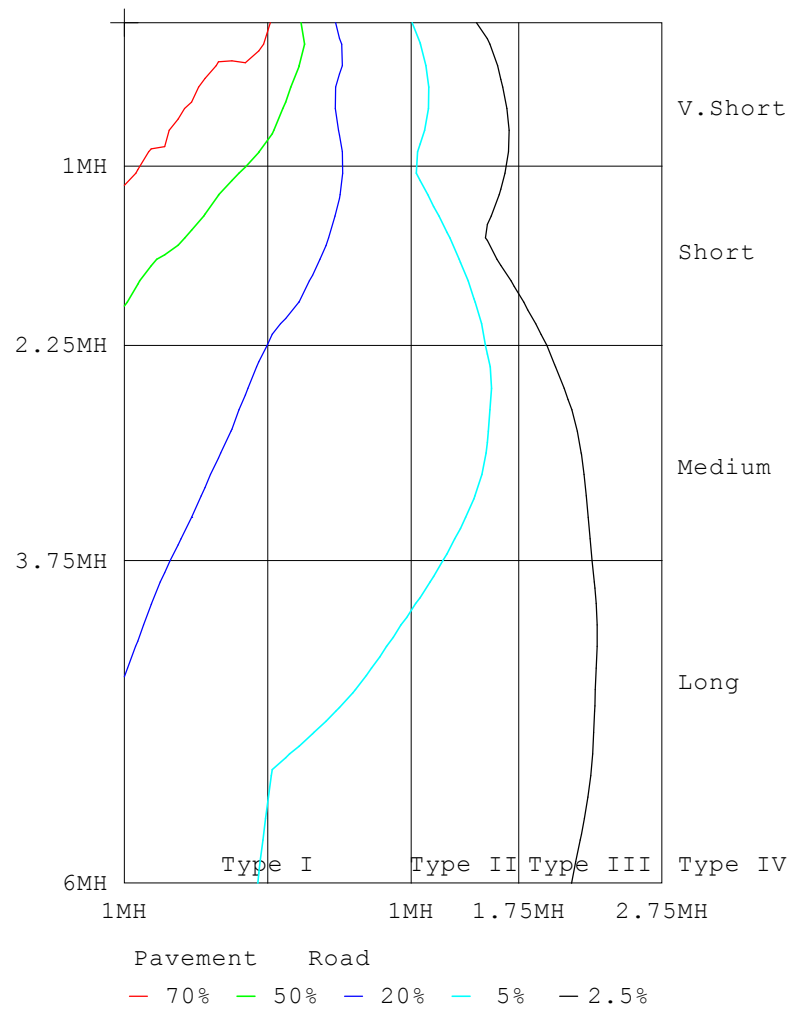
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-20

☐ 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:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*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:2024-02-20

☐ 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:120.4V I:0.4198A P:50.40W PF:0.9973 Freq:59.98Hz Lamp Flux:7889.4x1 lm		
NAME: ASD-WLP01-50A-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

Table--1										UNIT: cd									
C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	2055	2037	2041	2034	2055	2037	2041	2034											
5	2004	2097	2105	2073	2024	1862	1857	1842											
10	1987	2053	2091	2030	2029	1725	1659	1725											
15	1916	2027	2145	2069	1966	1599	1296	1526											
20	1845	2093	2207	2067	1874	1315	944	1258											
25	1778	1998	2224	1959	1751	1005	577	972											
30	1658	2054	2284	2025	1636	738	368	707											
35	1539	1996	2554	2052	1561	481	277	444											
40	1412	1978	2654	1995	1409	343	204	319											
45	1267	2044	2831	2045	1261	258	141	244											
50	1075	2050	2860	2054	1079	190	97.9	183											
55	869	1975	2716	2144	893	138	72.9	133											
60	689	1989	2697	2033	731	99.1	52.9	93.2											
65	548	1821	2729	1966	585	68.9	40.8	65.5											
70	382	1751	2567	1884	423	45.3	20.8	44.1											
75	224	1664	2479	1726	243	27.5	11.7	26.2											
80	124	1478	2288	1570	127	19.3	13.1	17.5											
85	67.5	1339	2180	1468	65.8	16.8	14.5	15.9											
90	38.8	1112	1974	1180	35.6	16.0	15.9	14.6											
95	27.4	884	1680	1001	27.9	15.7	17.2	15.8											
100	26.0	707	1475	797	27.5	16.0	18.4	16.0											
105	26.7	515	1213	601	29.9	16.2	19.5	16.2											
110	27.3	362	970	425	31.6	16.5	20.3	16.4											
115	27.6	247	711	295	30.6	16.9	20.9	16.7											
120	26.7	171	479	201	27.6	17.3	21.3	17.0											
125	24.7	121	316	142	25.2	17.7	21.7	17.4											
130	22.5	85.3	203	100	22.3	18.1	21.8	17.7											
135	20.4	57.5	136	66.7	19.4	18.3	21.8	18.0											
140	18.4	40.2	101	42.8	17.3	18.6	21.8	18.2											
145	16.6	32.0	54.8	32.1	15.6	18.7	21.6	18.4											
150	15.3	23.8	34.1	24.8	14.5	18.7	21.3	18.4											
155	14.5	16.8	25.3	18.2	14.1	18.5	20.8	18.3											
160	14.3	13.3	18.1	14.1	14.2	18.2	20.1	18.2											
165	14.6	12.2	13.7	12.7	14.7	17.7	19.2	17.9											
170	15.0	13.3	12.5	13.6	15.1	17.1	18.1	17.5											
175	15.3	14.4	13.9	14.8	15.4	16.4	16.8	16.8											
180	15.5	15.5	15.4	16.0	15.5	15.5	15.4	16.0											

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-20

□ 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: