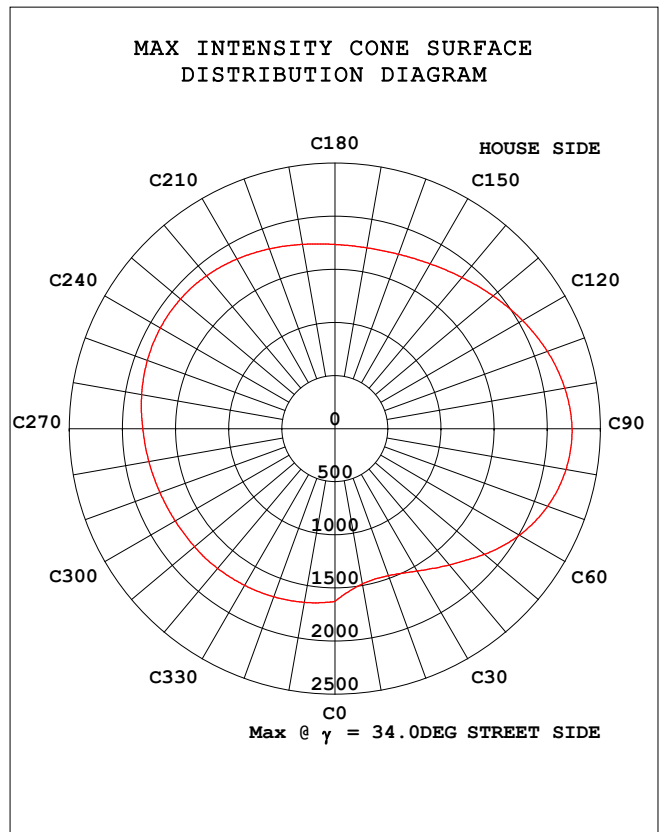
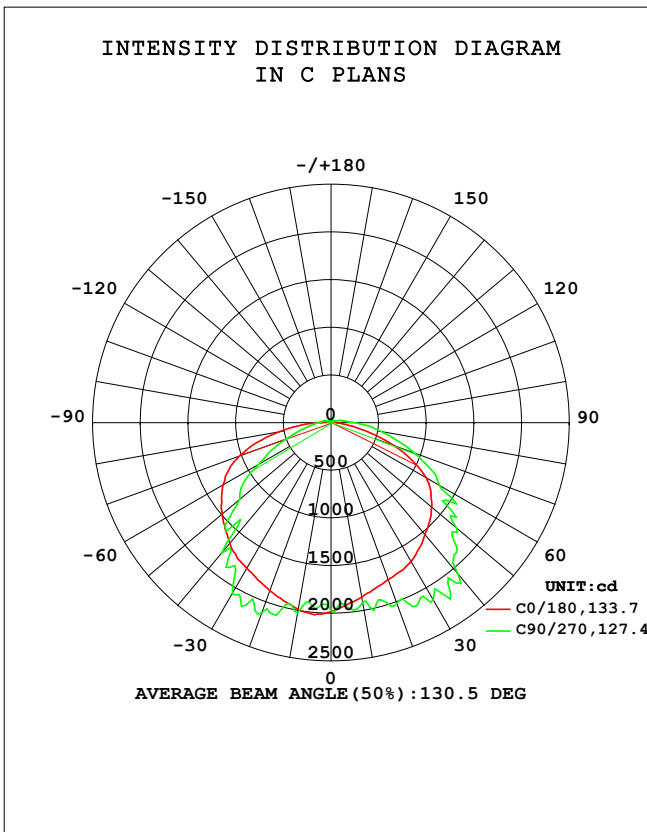


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.59 lm/W			
MODEL ASD-WLP01S-50DAC-4000K		Imax (cd)	2233	η street_up (%)	2.5
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	57.5
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	7231	η house_up (%)	1.7
NOMINAL FLUX (lm)	7230.76	MAXIMUM @ (C, γ)	90,34.0	η house_down (%)	38.3
LAMPS INSIDE	1	η up (%)	4.2	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	95.8	SLI	

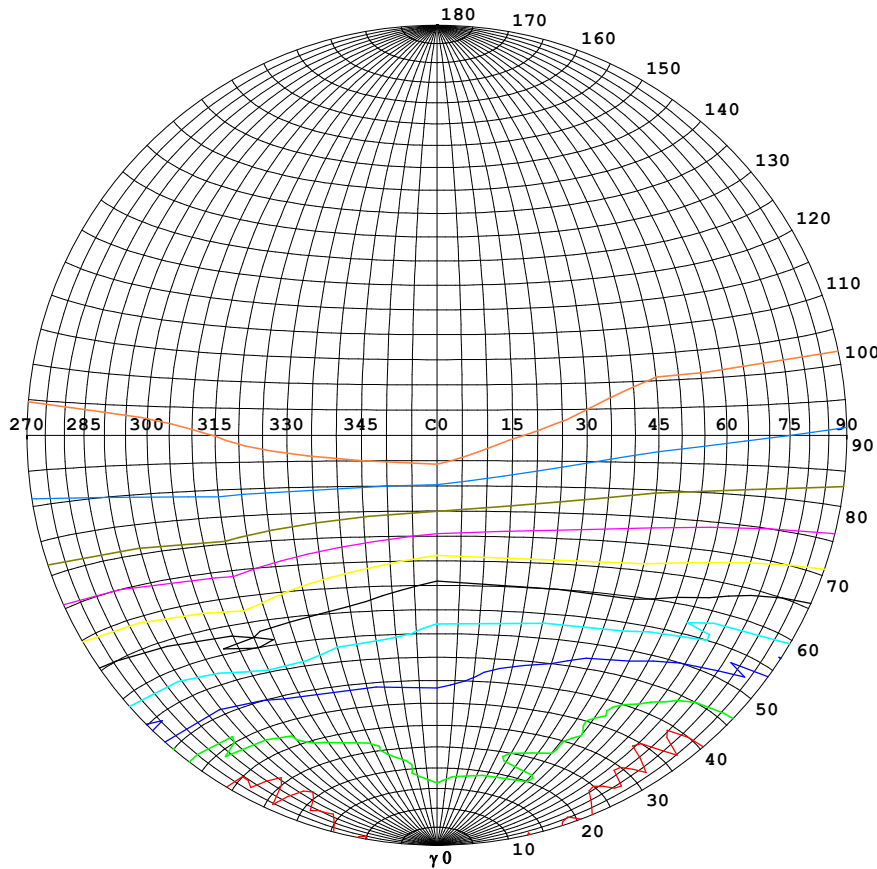


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:wudashuai
Test Date:2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:51%
Test Distance:6.500m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:



Classification:

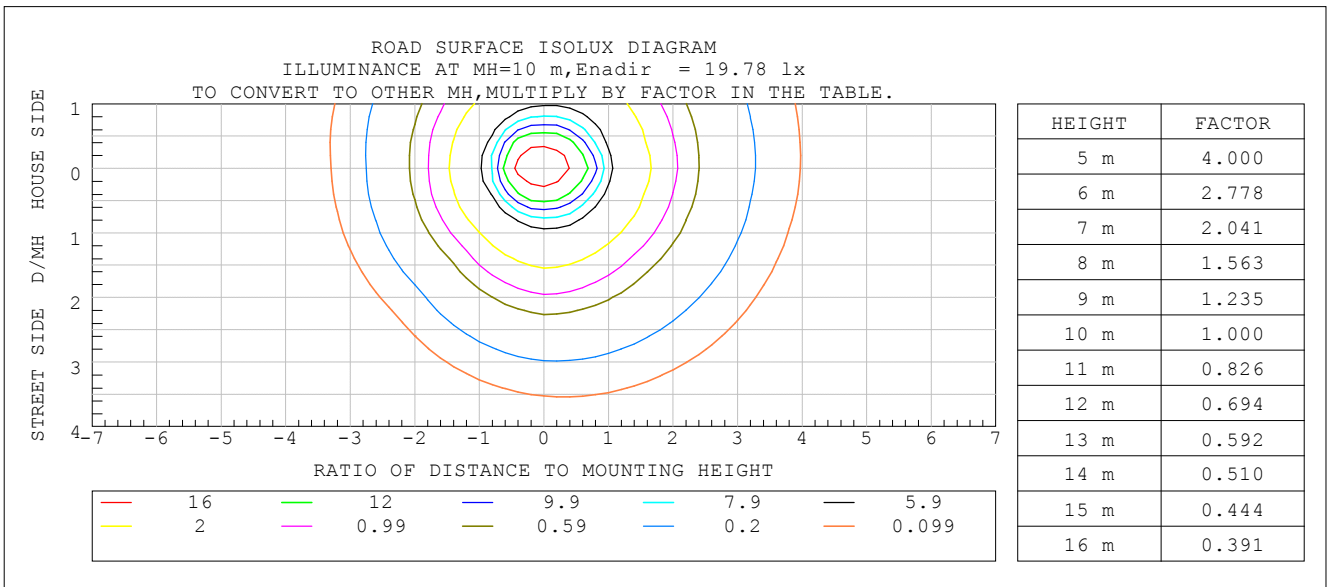
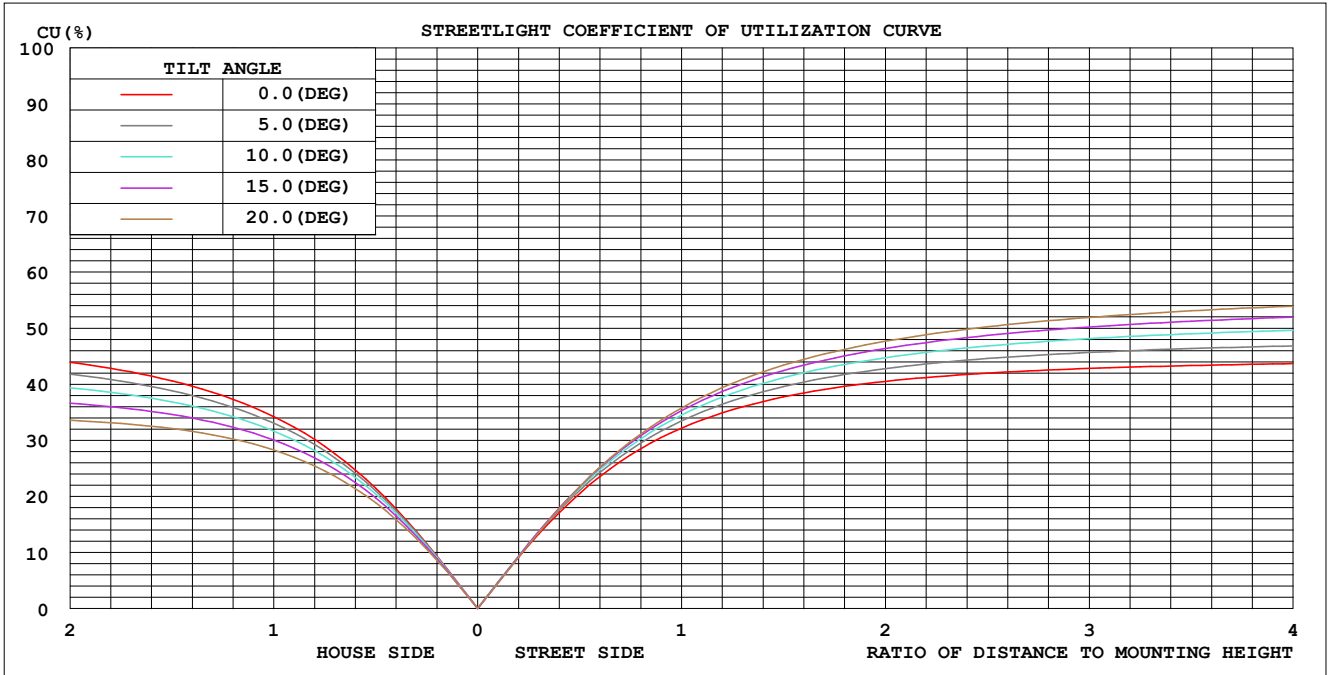
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Semi-cut-off
 Max.At80:85.04cd/klm
 Max.At90:39.64cd/klm
 Max.80-90:85.04cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2233
90%	2009
80%	1786
70%	1563
60%	1340
50%	1116
40%	893
30%	670
20%	447
10%	223
5%	112

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.3DEG
 Operators:wudashuai
 Test Date:2022-01-21

gamma Range: 0 - 180DEG
 gamma Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:51%
 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: 22.3DEG
Operators: wudashuai
Test Date: 2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity: 51%
Test Distance: 6.500m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

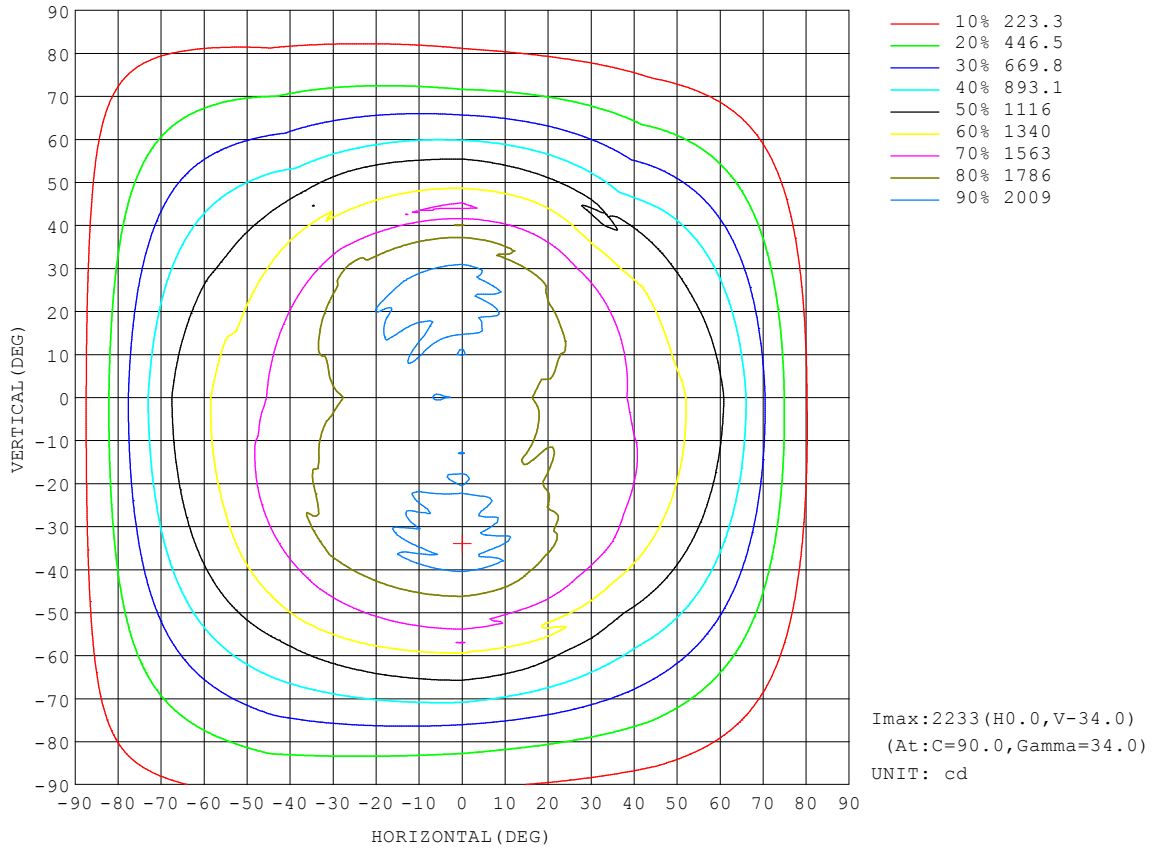
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1858	1890	1914	1992	1989	1919	2026	1843	0- 10	184.7	184.7	2.55,2.55
20	1751	1782	2021	1895	1879	1956	2119	1886	10- 20	544.0	728.8	10.1,10.1
30	1678	1777	2146	1918	1766	1972	2073	1771	20- 30	883.8	1613	22.3,22.3
40	1535	1696	2069	1855	1654	1777	1790	1525	30- 40	1136	2749	38,38
50	1377	1453	1719	1725	1493	1342	1249	1113	40- 50	1224	3973	54.9,54.9
60	1147	1096	1316	1360	1312	977.6	879.8	806.8	50- 60	1147	5121	70.8,70.8
70	693.5	765.5	930.0	978.1	1019	631.2	499.6	461.4	60- 70	925.7	6046	83.6,83.6
80	230.3	427.0	534.7	614.9	551.3	315.7	240.6	197.3	70- 80	594.2	6640	91.8,91.8
90	72.60	174.1	247.2	286.6	136.0	134.7	137.0	111.3	80- 90	284.3	6925	95.8,95.8
100	49.88	114.4	122.2	141.9	60.91	103.4	90.75	89.29	90-100	132.5	7057	97.6,97.6
110	29.73	73.23	56.22	89.93	33.61	76.19	45.92	59.55	100-110	83.62	7141	98.8,98.8
120	21.32	25.57	30.10	38.78	15.43	31.96	30.04	20.93	110-120	41.19	7182	99.3,99.3
130	13.74	13.67	11.18	12.78	14.24	15.31	12.36	13.61	120-130	16.82	7199	99.6,99.6
140	13.67	12.83	12.23	11.89	12.56	13.56	13.88	14.01	130-140	9.973	7209	99.7,99.7
150	15.07	14.21	13.75	13.53	14.07	14.53	15.05	15.24	140-150	8.616	7218	99.8,99.8
160	16.16	15.38	15.13	15.04	15.64	15.90	16.26	16.33	150-160	6.965	7225	99.9,99.9
170	17.05	16.58	16.55	16.44	16.85	16.92	17.24	17.13	160-170	4.611	7229	100,100
180	17.42	17.29	17.39	17.28	17.44	17.27	17.43	17.27	170-180	1.629	7231	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:wudashuai
Test Date:2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:51%
Test Distance:6.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

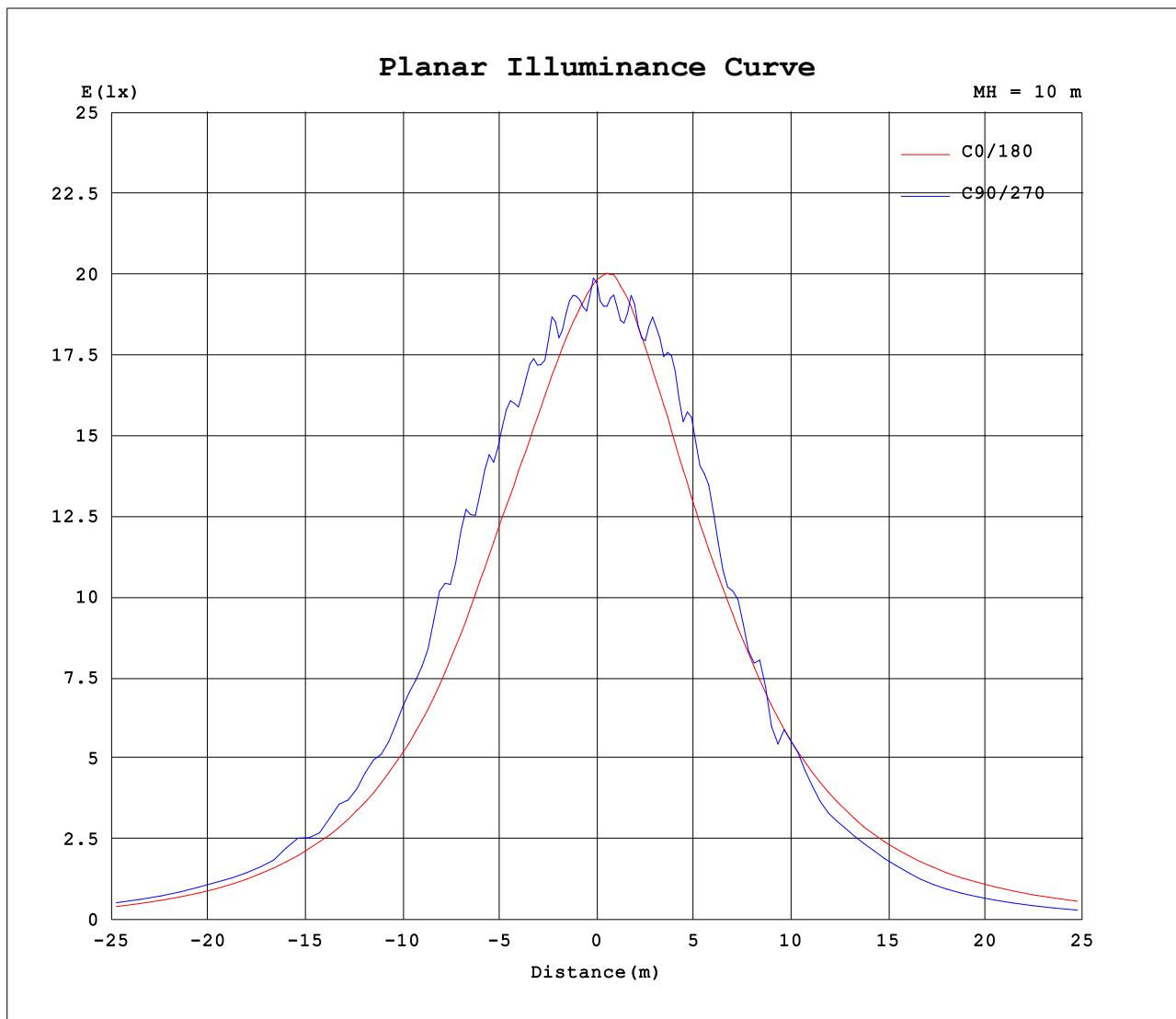
Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.3DEG
 Operators:wudashuai
 Test Date:2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:51%
 Test Distance:6.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



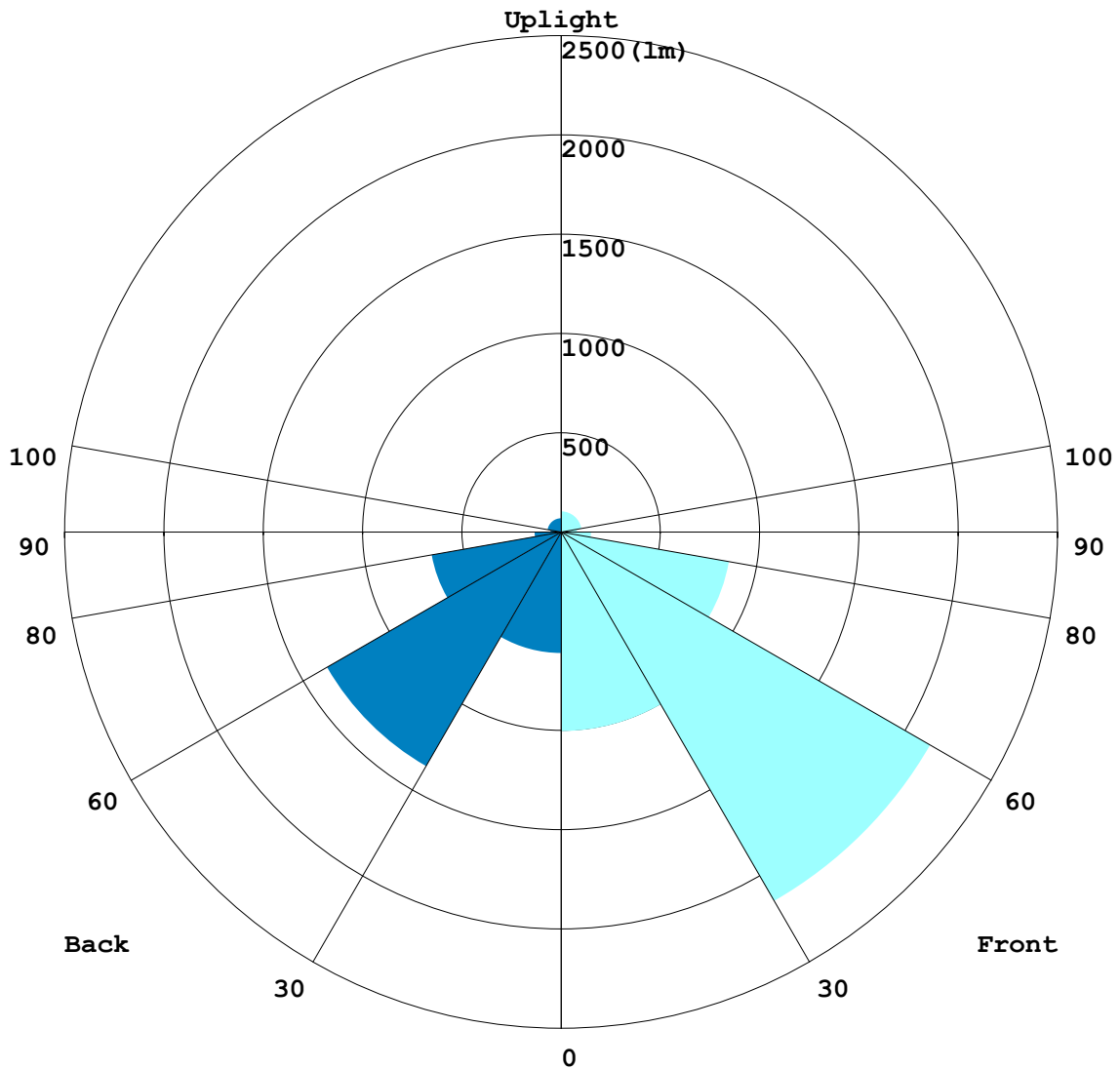
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 22.3DEG
 Operators: wudashuai
 Test Date: 2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 51%
 Test Distance: 6.500m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.3DEG
 Operators:wudashuai
 Test Date:2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:51%
 Test Distance:6.500m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1002.8	13.9
FM - Front-Medium(30-60)	2145.9	29.7
FH - Front-High(60-80)	858.31	11.9
FVH - Front-Very High(80-90)	150.9	2.1
Total Forward Light	4341.5	60.0

BL - Back-Low(0-30)	609.83	8.4
BM - Back-Medium(30-60)	1362.1	18.8
BH - Back-High(60-80)	661.63	9.2
BVH - Back-Very High(80-90)	133.4	1.8
Total Back Light	2889.2	40.0

UL - Uplight-Low(90-100)	132.54	1.8
UH - Uplight-High(100-180)	173.42	2.4
Total Up Light	305.96	4.2

BUG(Back,Up,Glare) Rating	B2-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2766.9	122.31	2889.2
Street Side	4157.9	183.66	4341.5

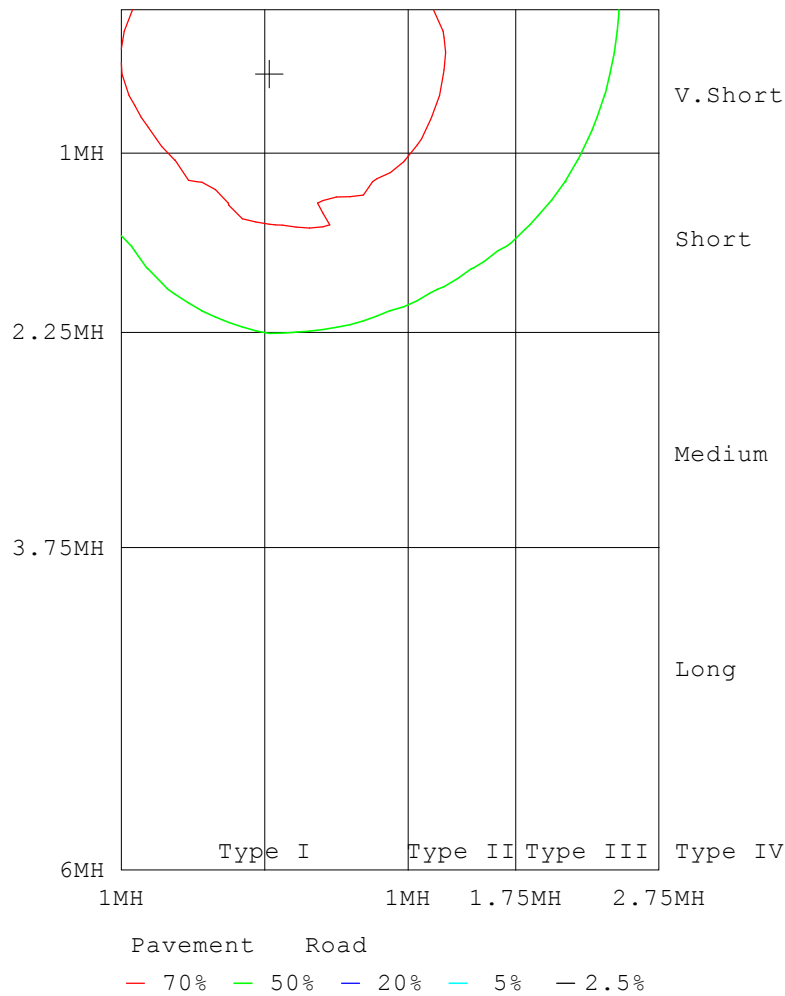
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:22.3DEG
Operators:wudashuai
Test Date:2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity:51%
Test Distance:6.500m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.3DEG
 Operators:wudashuai
 Test Date:2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:51%
 Test Distance:6.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:121.6V I:0.3916A P:47.39W PF:0.9953 Freq:59.98Hz Lamp Flux:7230.76x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315											
0	1985	1972	1973	1974	1985	1972	1973	1974											
5	1918	1861	1943	1936	2022	1942	1958	1886											
10	1858	1890	1914	1992	1989	1919	2026	1843											
15	1802	1797	1924	1889	1933	2044	2039	1899											
20	1751	1782	2021	1895	1879	1956	2119	1886											
25	1722	1818	2123	1946	1820	2016	2114	1850											
30	1678	1777	2146	1918	1766	1972	2073	1771											
35	1611	1754	2193	1888	1725	1897	1855	1699											
40	1535	1696	2069	1855	1654	1777	1790	1525											
45	1465	1612	1870	1837	1571	1515	1566	1363											
50	1377	1453	1719	1725	1493	1342	1249	1113											
55	1281	1252	1429	1509	1403	1129	1133	1010											
60	1147	1096	1316	1360	1312	978	880	807											
65	943	949	1154	1156	1188	807	694	629											
70	694	766	930	978	1019	631	500	461											
75	443	599	714	798	801	463	352	314											
80	230	427	535	615	551	316	241	197											
85	100	273	383	443	317	197	176	134											
90	72.6	174	247	287	136	135	137	111											
95	57.0	138	166	177	78.6	113	110	103											
100	49.9	114	122	142	60.9	103	90.8	89.3											
105	45.2	94.0	95.3	116	50.3	90.7	78.0	75.9											
110	29.7	73.2	56.2	89.9	33.6	76.2	45.9	59.6											
115	24.7	47.2	42.5	64.1	18.7	55.2	36.7	38.7											
120	21.3	25.6	30.1	38.8	15.4	32.0	30.0	20.9											
125	17.2	15.9	20.2	19.8	12.7	20.9	21.4	14.9											
130	13.7	13.7	11.2	12.8	14.2	15.3	12.4	13.6											
135	12.9	13.0	11.5	11.2	12.8	14.1	13.1	13.5											
140	13.7	12.8	12.2	11.9	12.6	13.6	13.9	14.0											
145	14.4	13.6	13.0	12.7	13.2	13.8	14.5	14.7											
150	15.1	14.2	13.7	13.5	14.1	14.5	15.0	15.2											
155	15.6	14.8	14.4	14.3	14.9	15.2	15.6	15.8											
160	16.2	15.4	15.1	15.0	15.6	15.9	16.3	16.3											
165	16.7	16.0	15.9	15.8	16.3	16.5	16.8	16.8											
170	17.0	16.6	16.6	16.4	16.8	16.9	17.2	17.1											
175	17.3	17.0	17.1	16.9	17.2	17.2	17.4	17.3											
180	17.4	17.3	17.4	17.3	17.4	17.3	17.4	17.3											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.3DEG
 Operators:wudashuai
 Test Date:2022-01-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:51%
 Test Distance:6.500m [K=1.0000]
 Remarks: