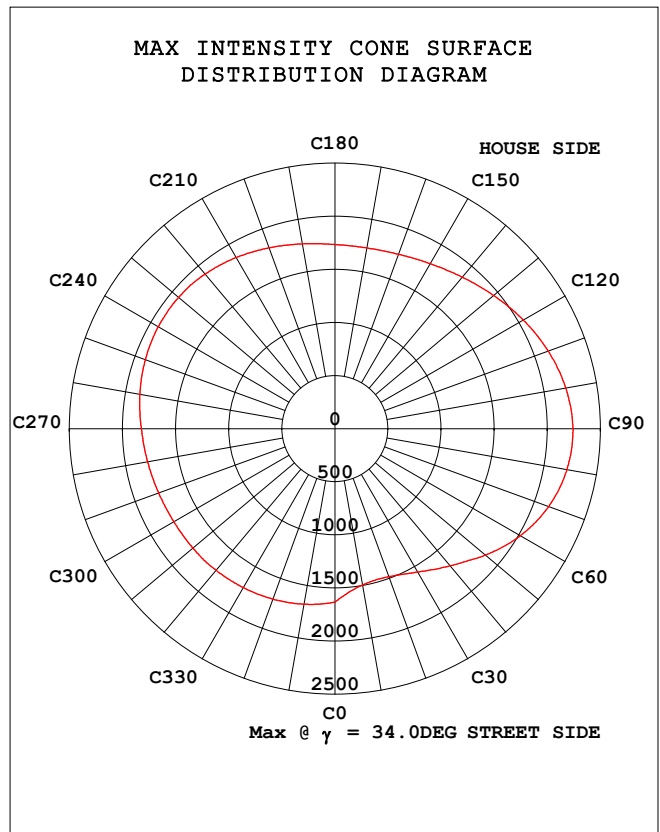
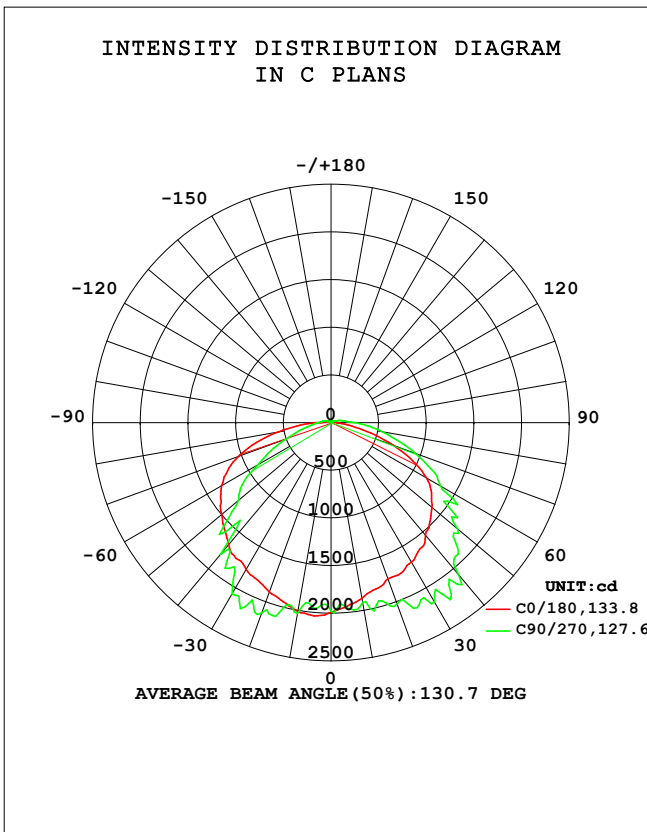


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:121.6V I:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.89 lm/W			
MODEL ASD-WLP01S-50DAC-5000K		Imax (cd)	2241	$\eta$ street_up (%)	2.5
NOMINAL POWER (W)	50	LOR (%)	100.0	$\eta$ street_down (%)	57.5
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	7283	$\eta$ house_up (%)	1.7
NOMINAL FLUX (lm)	7282.6	MAXIMUM @ (C, $\gamma$ )	90,34.0	$\eta$ house_down (%)	38.3
LAMPS INSIDE	1	$\eta$ up (%)	4.2	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	$\eta$ down (%)	95.8	SLI	

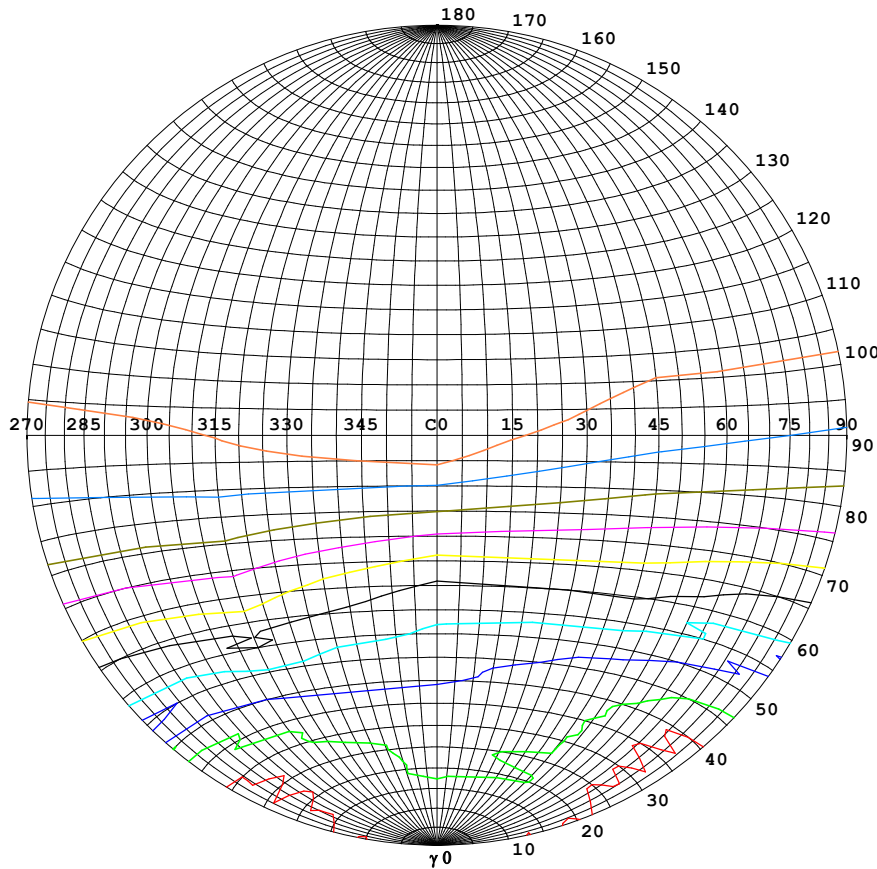


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:22.3DEG  
 Operators:wudashuai  
 Test Date:2022-01-20

$\gamma$  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:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:121.6V I:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:



**Classification:**

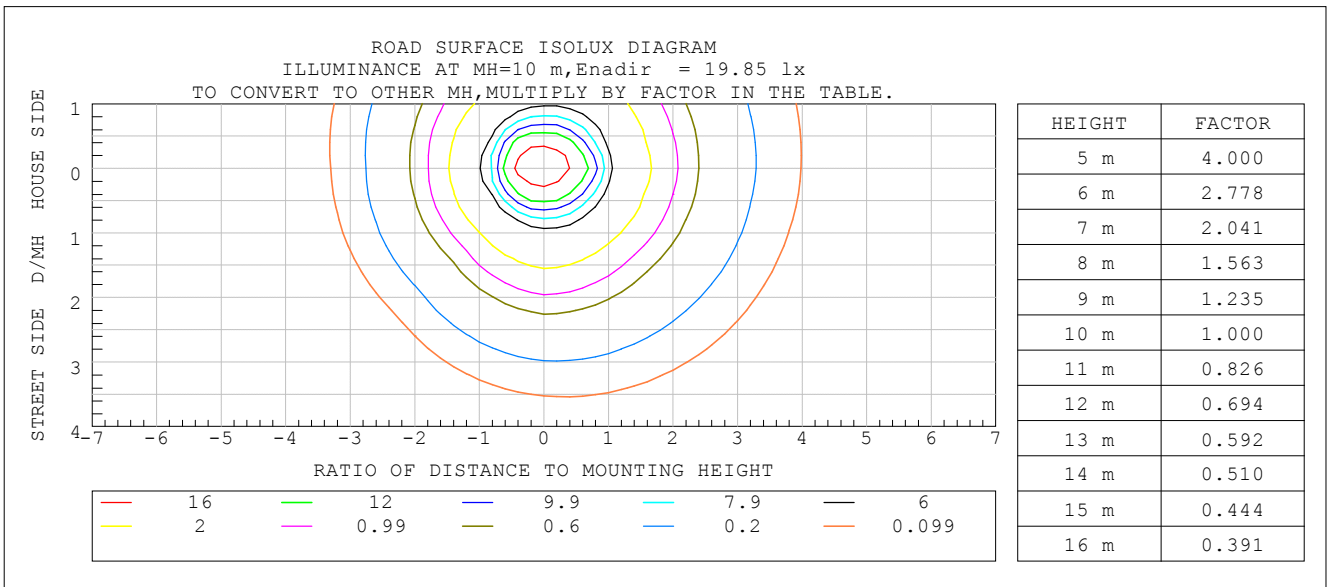
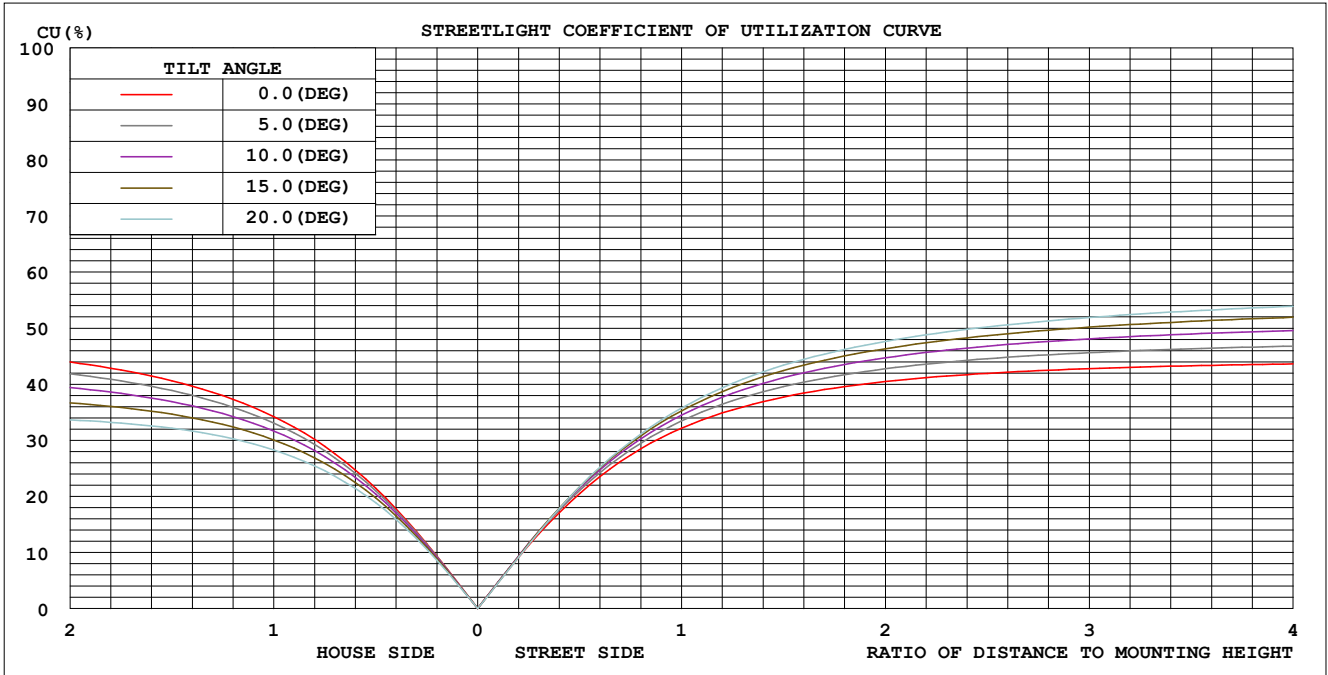
IES:Type VS - Very Short  
 CIE:Narrow - Short  
 IES:None cut-off  
 CIE:Semi-cut-off  
 Max.At80:85.11cd/klm  
 Max.At90:40.03cd/klm  
 Max.80-90:85.11cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	2241
90%	2017
80%	1793
70%	1569
60%	1345
50%	1121
40%	896
30%	672
20%	448
10%	224
5%	112

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:22.3DEG  
 Operators:wudashuai  
 Test Date:2022-01-20

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: 2022-01-20

$\gamma$  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:

## ZONAL FLUX DIAGRAM

Test:U:121.6V I:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:

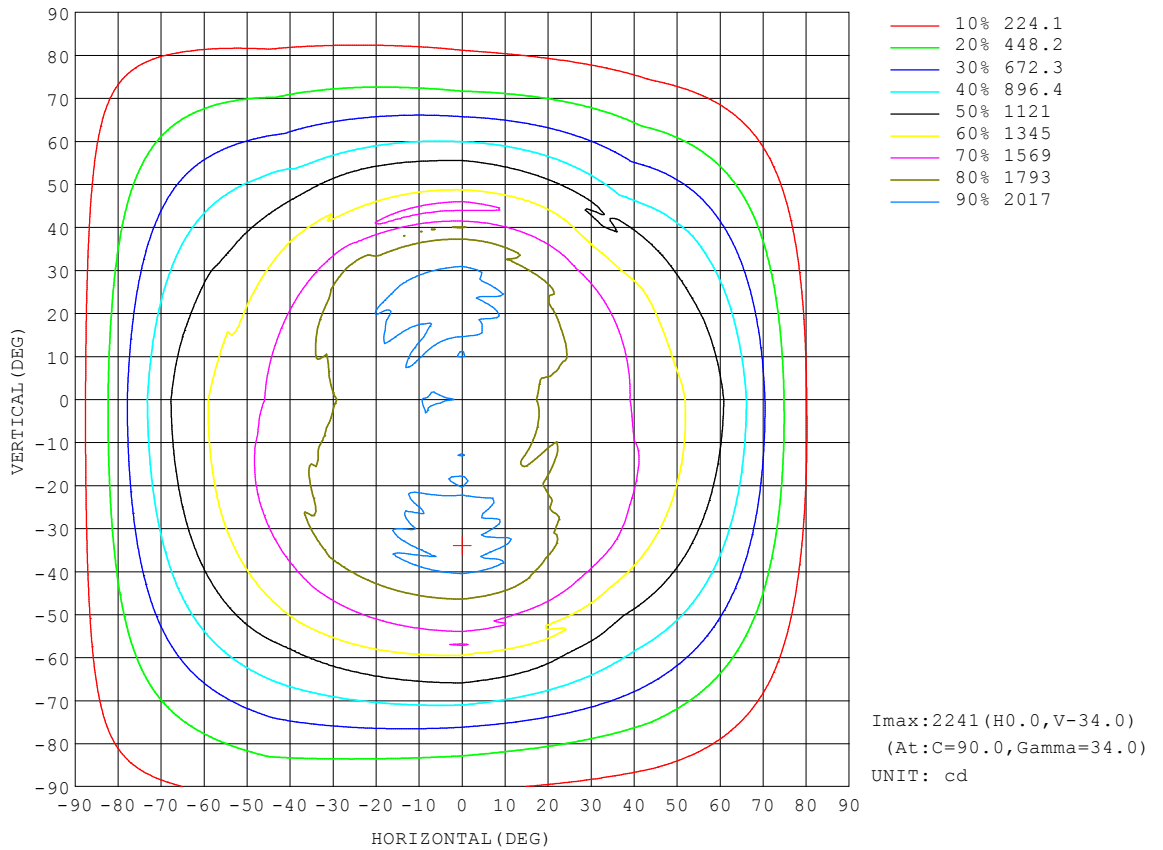
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	1872	1893	1914	2009	2012	1934	2031	1851	0- 10	185.7	185.7	2.55,2.55
20	1745	1783	2024	1909	1893	1966	2123	1897	10- 20	546.4	732.1	10.1,10.1
30	1688	1784	2169	1918	1782	1984	2078	1784	20- 30	888.9	1621	22.3,22.3
40	1544	1705	2078	1878	1671	1785	1802	1539	30- 40	1145	2766	38,38
50	1384	1463	1731	1745	1496	1347	1262	1119	40- 50	1233	3999	54.9,54.9
60	1152	1104	1327	1375	1327	992.5	888.9	804.0	50- 60	1155	5155	70.8,70.8
70	693.1	773.9	941.0	986.1	1032	643.5	502.8	465.9	60- 70	934.3	6089	83.6,83.6
80	228.2	423.3	540.2	619.8	561.9	321.6	242.3	197.4	70- 80	599.5	6688	91.8,91.8
90	72.32	173.7	248.7	291.5	140.5	135.7	137.2	110.8	80- 90	286.9	6975	95.8,95.8
100	49.76	114.3	122.5	143.3	61.46	103.9	90.93	89.11	90-100	133.2	7109	97.6,97.6
110	29.67	73.17	56.28	90.39	34.03	76.68	46.09	59.57	100-110	83.90	7193	98.8,98.8
120	21.30	25.45	30.04	38.97	15.55	33.94	30.15	20.92	110-120	41.20	7234	99.3,99.3
130	13.76	13.74	11.26	12.86	14.28	15.49	12.45	13.70	120-130	16.91	7251	99.6,99.6
140	13.76	12.93	12.32	11.95	12.62	13.65	13.96	14.11	130-140	10.04	7261	99.7,99.7
150	15.16	14.30	13.84	13.61	14.14	14.61	15.12	15.34	140-150	8.668	7269	99.8,99.8
160	16.25	15.47	15.22	15.11	15.71	15.98	16.34	16.43	150-160	7.004	7276	99.9,99.9
170	17.13	16.67	16.64	16.53	16.94	17.00	17.32	17.21	160-170	4.635	7281	100,100
180	17.51	17.38	17.48	17.37	17.54	17.36	17.51	17.35	170-180	1.638	7283	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:2022-01-20

$\gamma$  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:

ISOCANDELA DIAGRAM

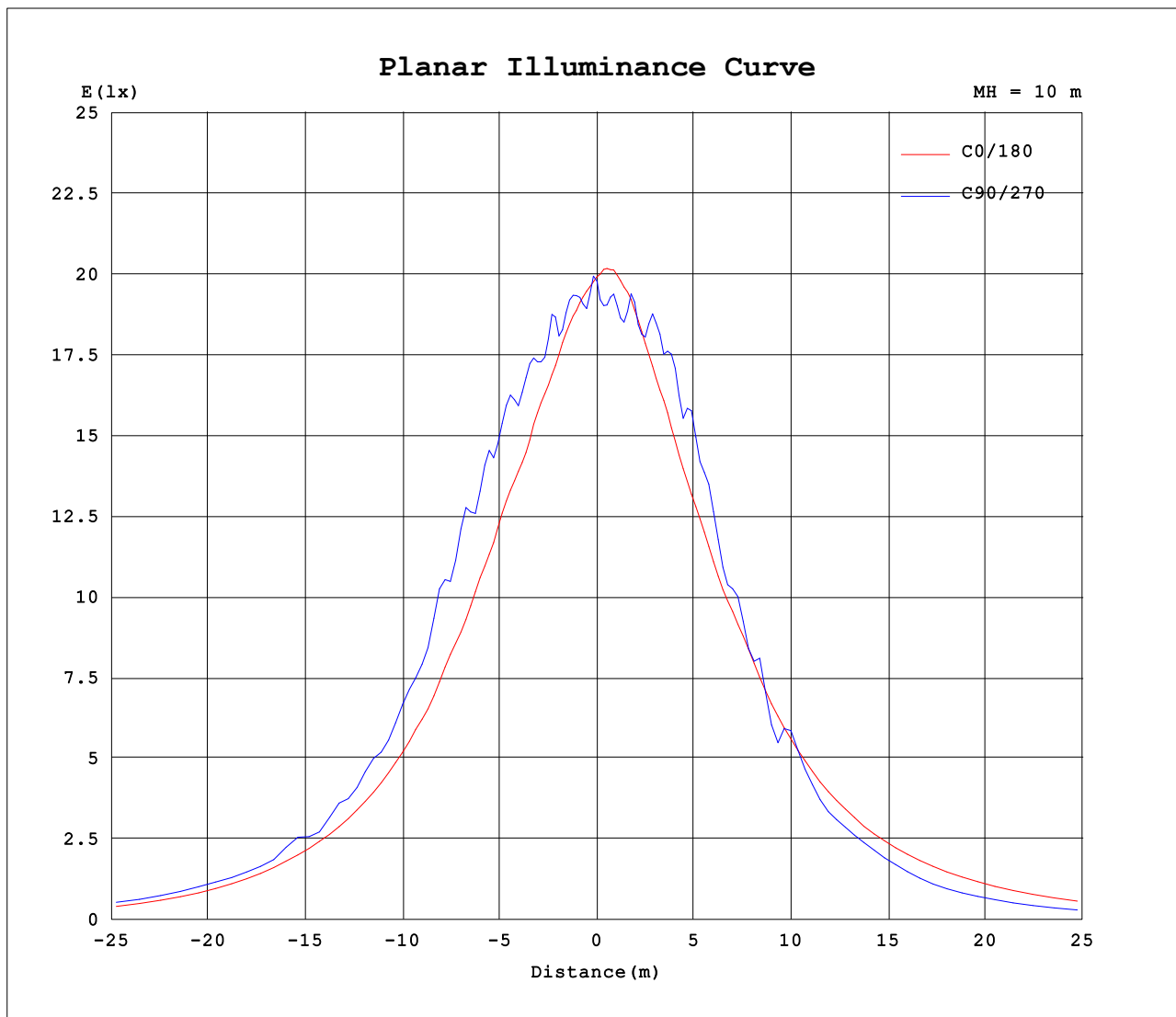
Test:U:121.6V I:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.32x0.25m	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:22.3DEG  
 Operators:wudashuai  
 Test Date:2022-01-20

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



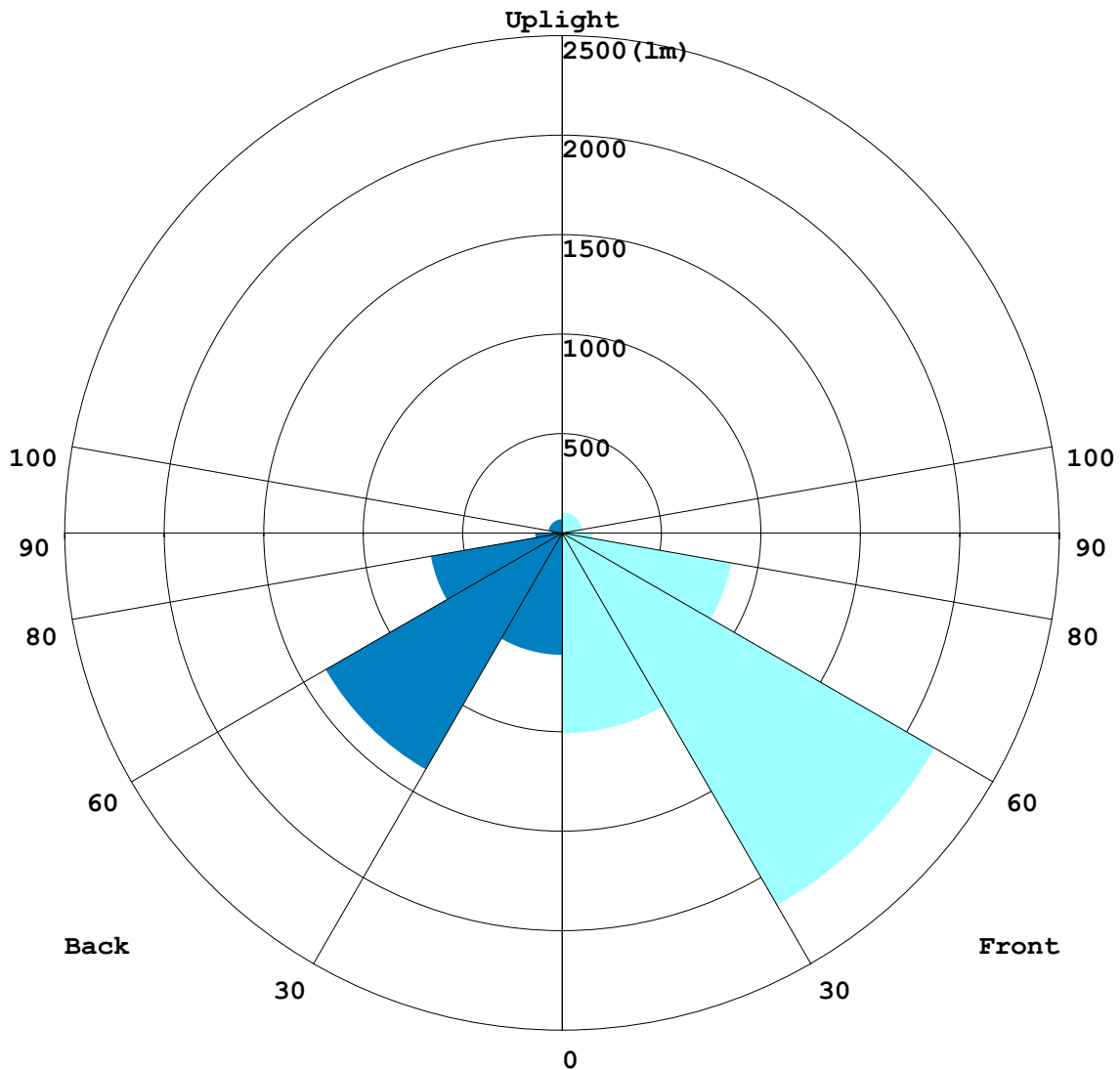
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 22.3DEG  
 Operators: wudashuai  
 Test Date: 2022-01-20

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:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	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:2022-01-20

$\gamma$  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:

## BUG REPORT

Test:U:121.6V I:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	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)	1007.4	13.8
FM - Front-Medium(30-60)	2161.7	29.7
FH - Front-High(60-80)	863.9	11.9
FVH - Front-Very High(80-90)	151.1	2.1
Total Forward Light	4368	60.0

BL - Back-Low(0-30)	613.53	8.4
BM - Back-Medium(30-60)	1372.1	18.8
BH - Back-High(60-80)	669.83	9.2
BVH - Back-Very High(80-90)	135.82	1.9
Total Back Light	2914.6	40.0

UL - Uplight-Low(90-100)	133.22	1.8
UH - Uplight-High(100-180)	173.98	2.4
Total Up Light	307.2	4.2

BUG(Back,Up,Glare) Rating	B2-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2791.2	123.36	2914.6
Street Side	4184.1	183.85	4368

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:22.3DEG  
Operators:wudashuai  
Test Date:2022-01-20

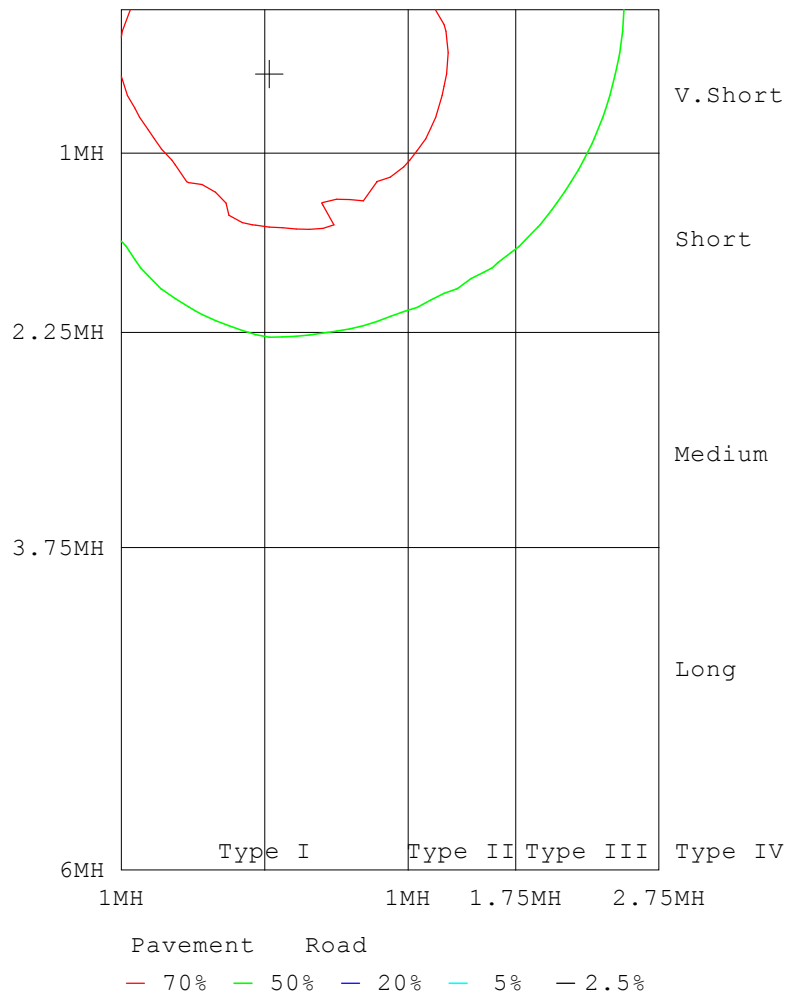
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:51%  
Test Distance:6.500m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:121.6V I:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	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:2022-01-20

$\gamma$  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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:121.6V I:0.4014A P:48.58W PF:0.9954 Freq:59.98Hz Lamp Flux:7282.6x1 lm		
NAME: ASD Lighting Corp	TYPE:	WEIGHT:
SPEC.:ASD-WLP01S-50DAC-5000K	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	1992	1979	1979	1979	1992	1979	1979	1979											
5	1934	1866	1951	1950	2036	1951	1961	1901											
10	1872	1893	1914	2009	2012	1934	2031	1851											
15	1810	1799	1934	1898	1945	2058	2049	1896											
20	1745	1783	2024	1909	1893	1966	2123	1897											
25	1742	1830	2141	1960	1825	2022	2129	1859											
30	1688	1784	2169	1918	1782	1984	2078	1784											
35	1622	1765	2205	1887	1739	1921	1866	1720											
40	1544	1705	2078	1878	1671	1785	1802	1539											
45	1469	1635	1891	1848	1585	1522	1657	1374											
50	1384	1463	1731	1745	1496	1347	1262	1119											
55	1287	1257	1443	1525	1411	1130	1142	1013											
60	1152	1104	1327	1375	1327	992	889	804											
65	946	959	1165	1165	1198	817	700	632											
70	693	774	941	986	1032	644	503	466											
75	441	601	721	809	812	471	355	315											
80	228	423	540	620	562	322	242	197											
85	100	272	387	452	327	199	177	133											
90	72.3	174	249	291	140	136	137	111											
95	56.8	138	166	180	79.2	113	110	103											
100	49.8	114	122	143	61.5	104	90.9	89.1											
105	45.0	94.0	95.4	117	50.7	91.2	78.2	75.9											
110	29.7	73.2	56.3	90.4	34.0	76.7	46.1	59.6											
115	24.7	47.0	42.5	64.4	18.8	51.0	36.8	38.7											
120	21.3	25.5	30.0	39.0	15.5	33.9	30.2	20.9											
125	17.1	16.0	20.2	20.0	12.8	21.1	21.6	15.0											
130	13.8	13.7	11.3	12.9	14.3	15.5	12.5	13.7											
135	13.0	13.0	11.5	11.3	12.8	14.2	13.2	13.6											
140	13.8	12.9	12.3	12.0	12.6	13.6	14.0	14.1											
145	14.5	13.7	13.1	12.8	13.2	13.9	14.6	14.8											
150	15.2	14.3	13.8	13.6	14.1	14.6	15.1	15.3											
155	15.7	14.9	14.5	14.4	15.0	15.3	15.7	15.9											
160	16.2	15.5	15.2	15.1	15.7	16.0	16.3	16.4											
165	16.8	16.1	16.0	15.9	16.4	16.6	16.9	16.9											
170	17.1	16.7	16.6	16.5	16.9	17.0	17.3	17.2											
175	17.4	17.1	17.1	17.0	17.3	17.3	17.5	17.4											
180	17.5	17.4	17.5	17.4	17.5	17.4	17.5	17.4											

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:22.3DEG  
 Operators:wudashuai  
 Test Date:2022-01-20

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: