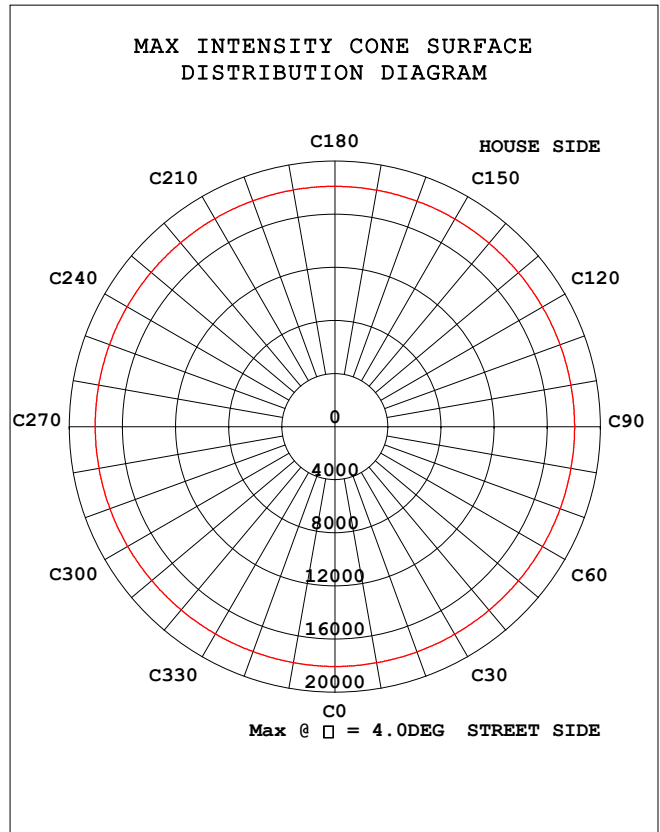
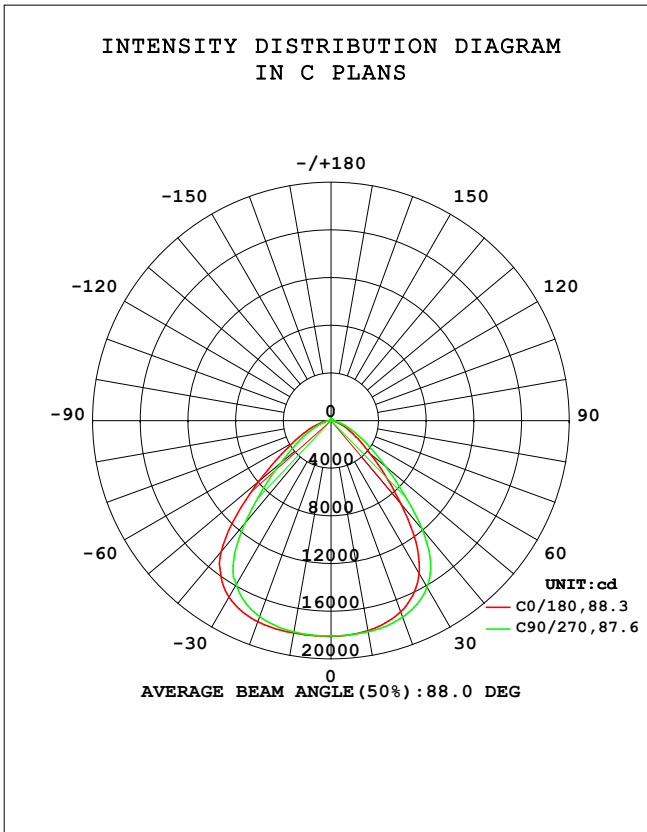


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.55 lm/W			
MODEL		I <sub>max</sub> (cd)	18107	<input type="checkbox"/> street_up (%)	0.6
NOMINAL POWER (W)	240	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	56.9
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	36978	<input type="checkbox"/> house_up (%)	0.3
NOMINAL FLUX (lm)	36978.3	MAXIMUM @ (C, $\square$ )	180,4.0	<input type="checkbox"/> house_down (%)	42.1
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	99.0	SLI	

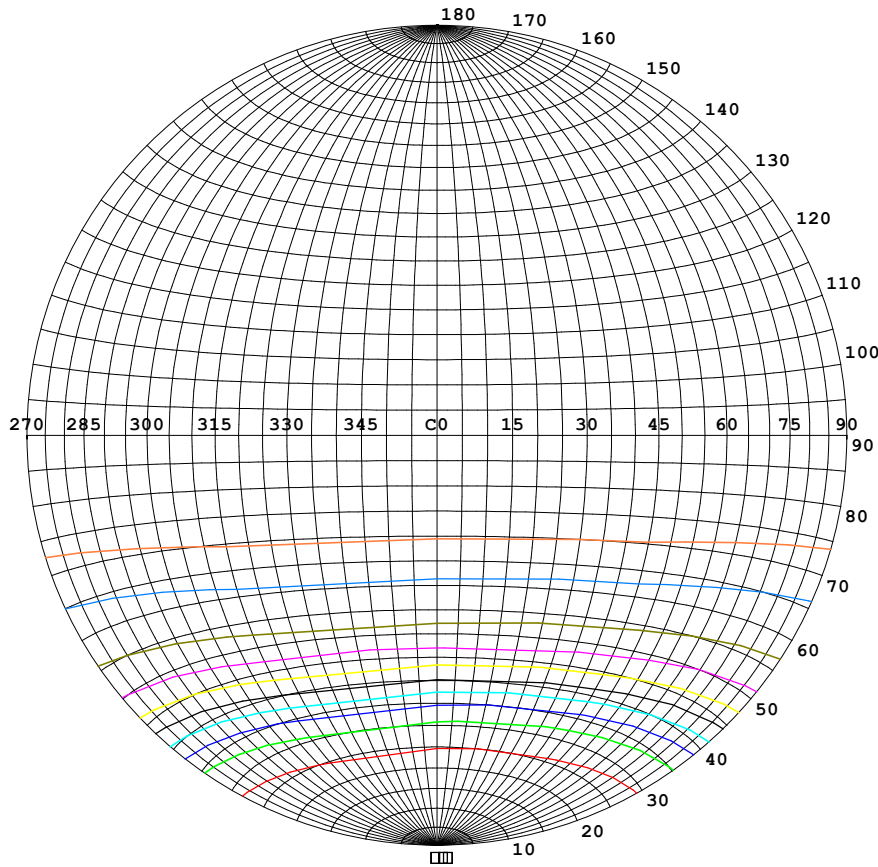


C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-08-30

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:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



**Classification:**

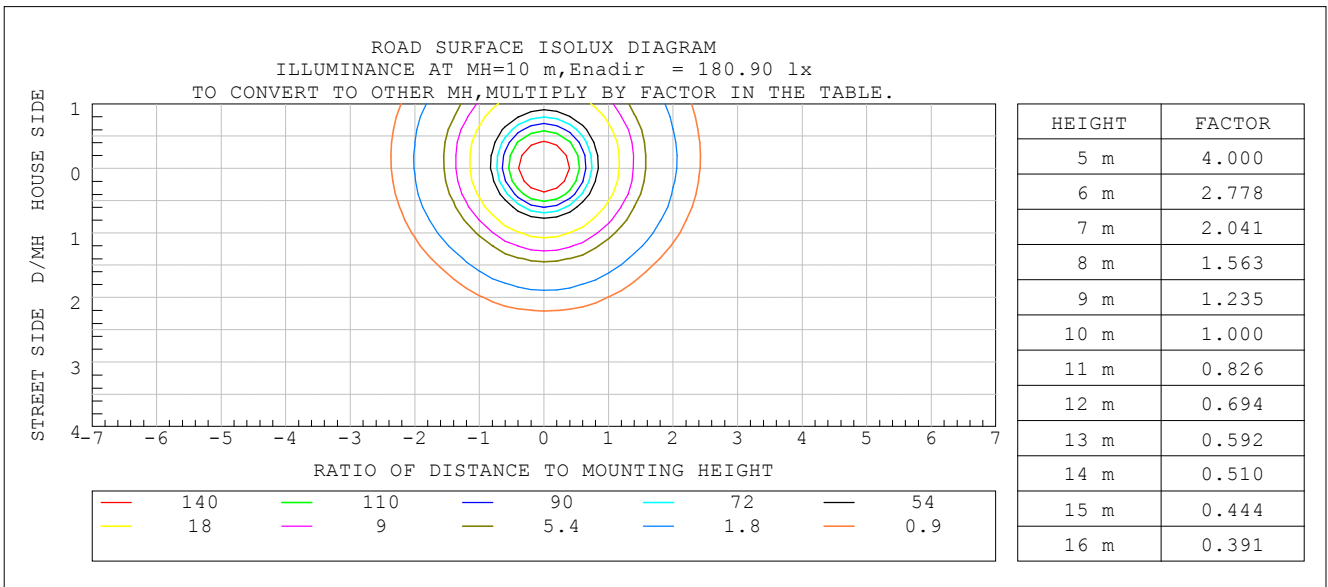
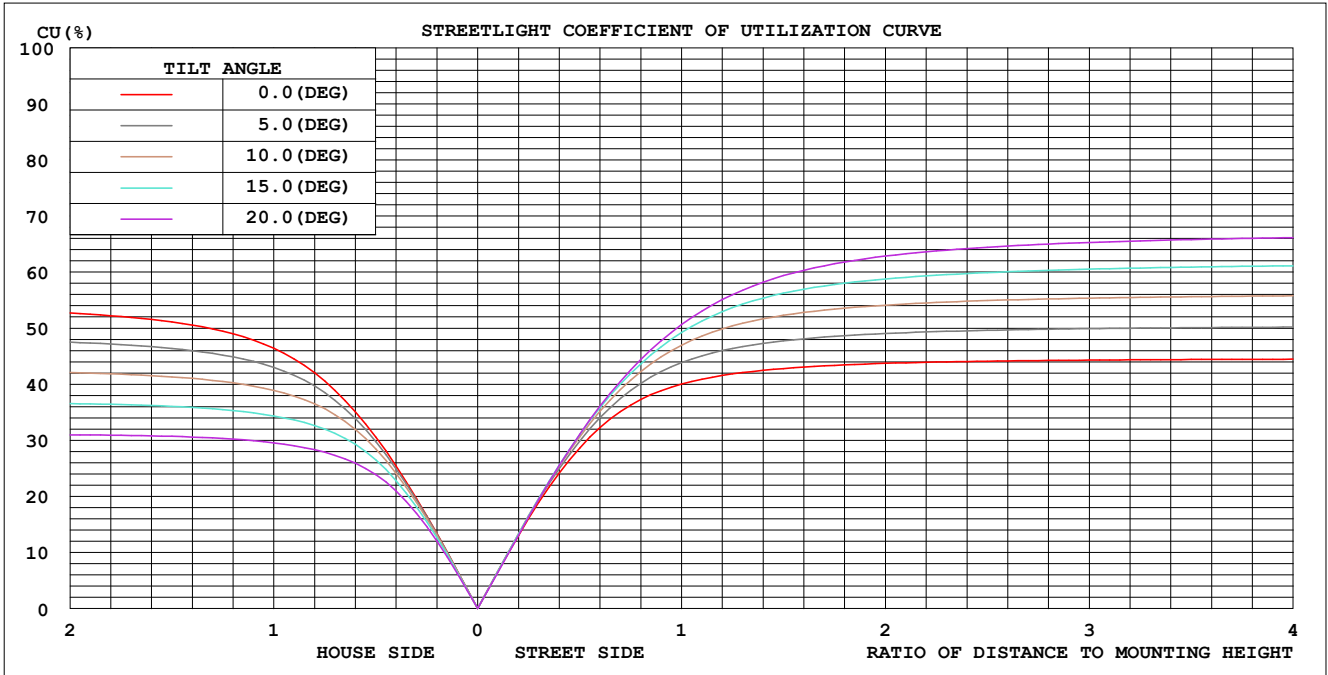
IES:Type VS - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:16.20cd/klm  
 Max.At90:0.9587cd/klm  
 Max.80-90:16.20cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	18107
90%	16296
80%	14486
70%	12675
60%	10864
50%	9054
40%	7243
30%	5432
20%	3621
10%	1811
5%	905

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-08-30

□ 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: 25.1DEG  
Operators: Marvin Ma  
Test Date: 2022-08-30

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:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

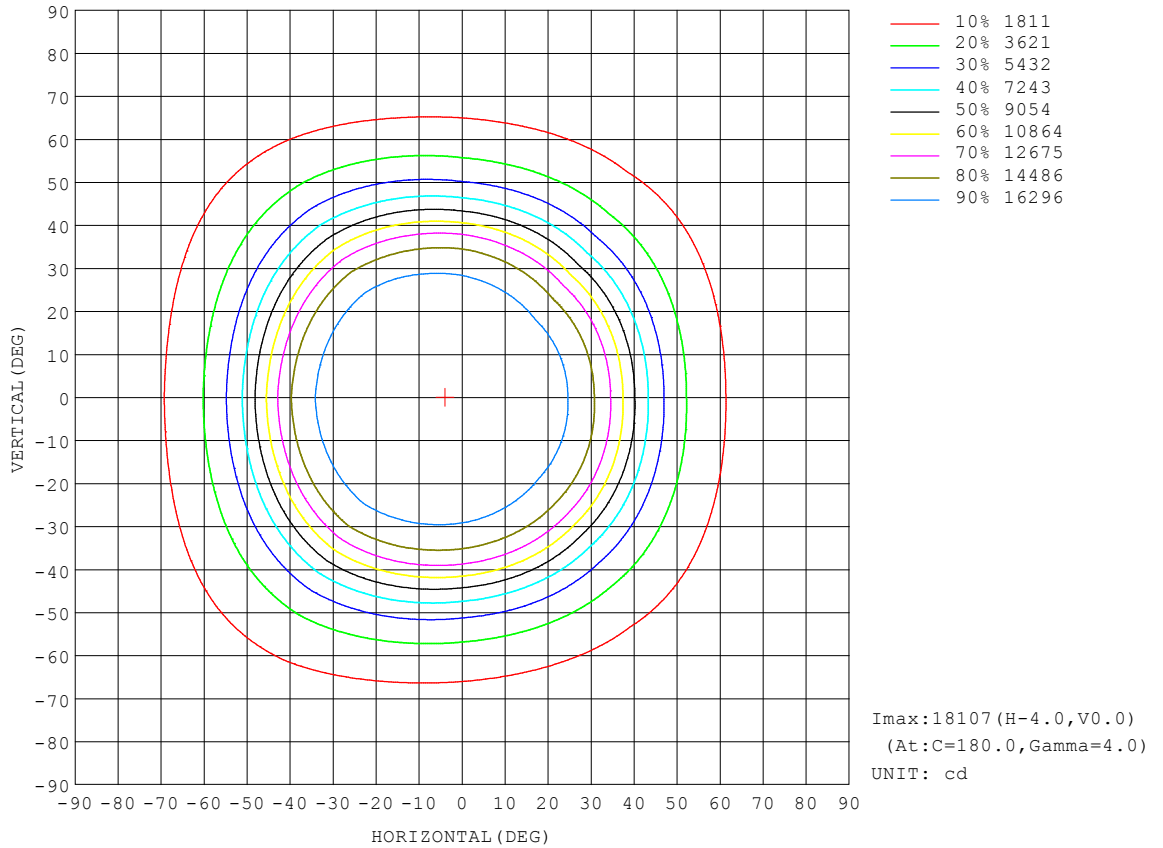
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1790	1792	1799	1803	1810	1809	1800	1787	0- 10	1721	1721	4.65,4.65
20	1708	1720	1755	1784	1796	1785	1749	1708	10- 20	5038	6759	18.3,18.3
30	1477	1533	1612	1691	1712	1684	1590	1477	20- 30	7786	14546	39.3,39.3
40	916.7	995.9	1191	1403	1435	1354	1125	910.4	30- 40	8824	23370	63.2,63.2
50	427.1	477.7	597.2	767.2	789.2	724.7	548.8	437.0	40- 50	6644	30014	81.2,81.2
60	200.9	220.0	288.0	360.1	367.5	335.0	267.9	202.4	50- 60	3731	33744	91.3,91.3
70	85.56	93.07	130.7	162.0	170.0	147.2	116.6	85.66	60- 70	1910	35654	96.4,96.4
80	19.43	23.29	40.81	55.41	59.89	49.51	34.42	19.37	70- 80	811.1	36466	98.6,98.6
90	1.921	1.811	1.627	2.103	3.545	2.425	1.443	1.699	80- 90	155.9	36621	99,99
100	2.355	2.173	1.811	1.627	1.458	1.551	1.830	2.209	90-100	18.49	36640	99.1,99.1
110	3.814	3.614	3.082	2.622	2.527	2.642	3.128	3.657	100-110	25.98	36666	99.2,99.2
120	5.608	5.382	4.765	4.166	4.099	4.242	4.846	5.475	110-120	39.10	36705	99.3,99.3
130	7.530	7.272	6.654	5.986	6.030	6.148	6.830	7.461	120-130	51.57	36757	99.4,99.4
140	9.258	9.099	8.516	7.853	8.112	8.203	8.890	9.440	130-140	59.52	36816	99.6,99.6
150	10.88	10.75	10.20	9.602	10.00	10.10	10.71	11.20	140-150	59.83	36876	99.7,99.7
160	12.67	12.43	11.97	11.33	11.86	11.90	12.48	12.90	150-160	52.06	36928	99.9,99.9
170	14.20	13.93	13.67	13.16	13.69	13.62	14.03	14.21	160-170	36.73	36965	100,100
180	14.75	14.56	14.64	14.46	14.76	14.55	14.65	14.46	170-180	13.54	36978	100,100
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-08-30

□ 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

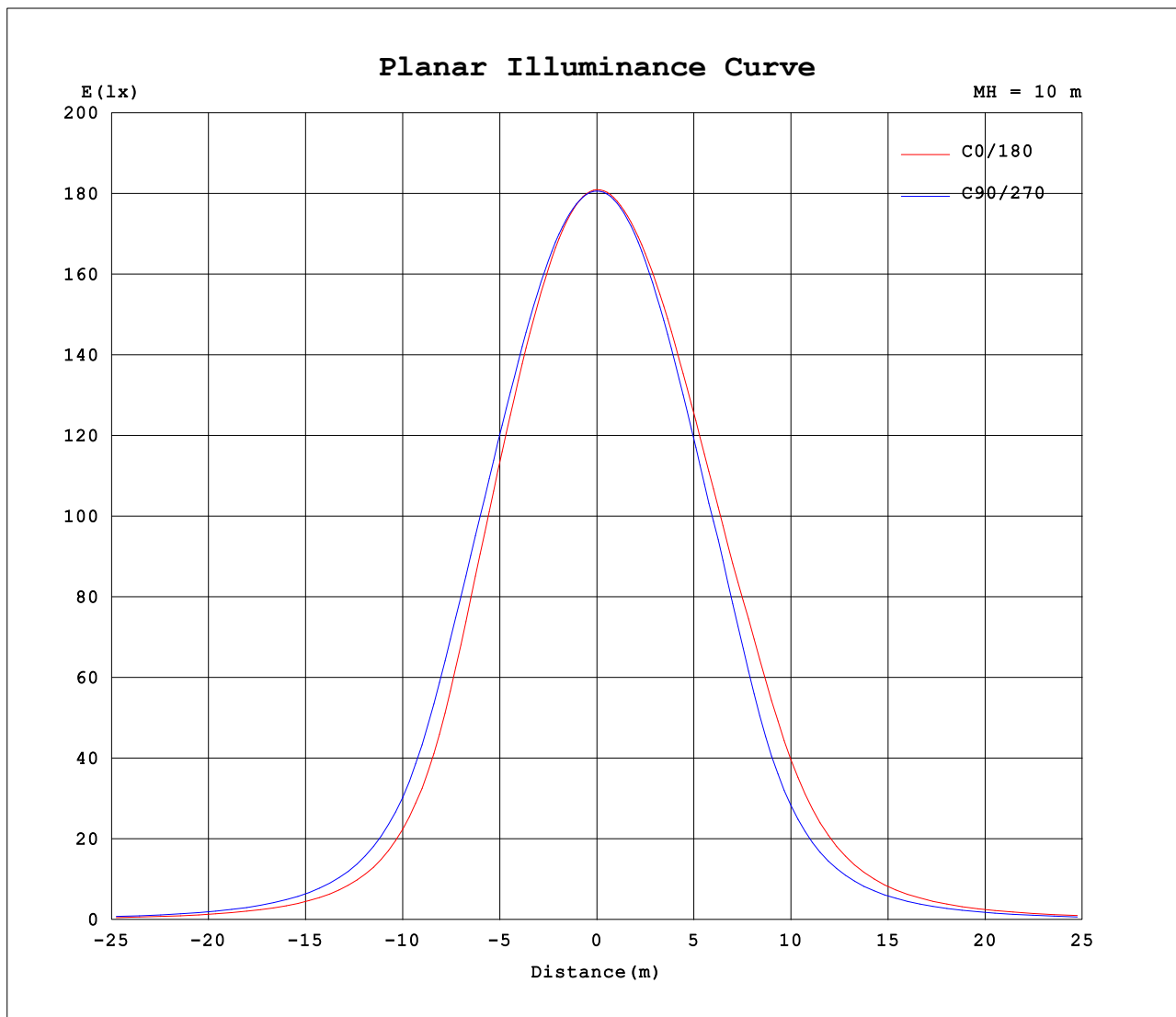
Test:U:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-08-30

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



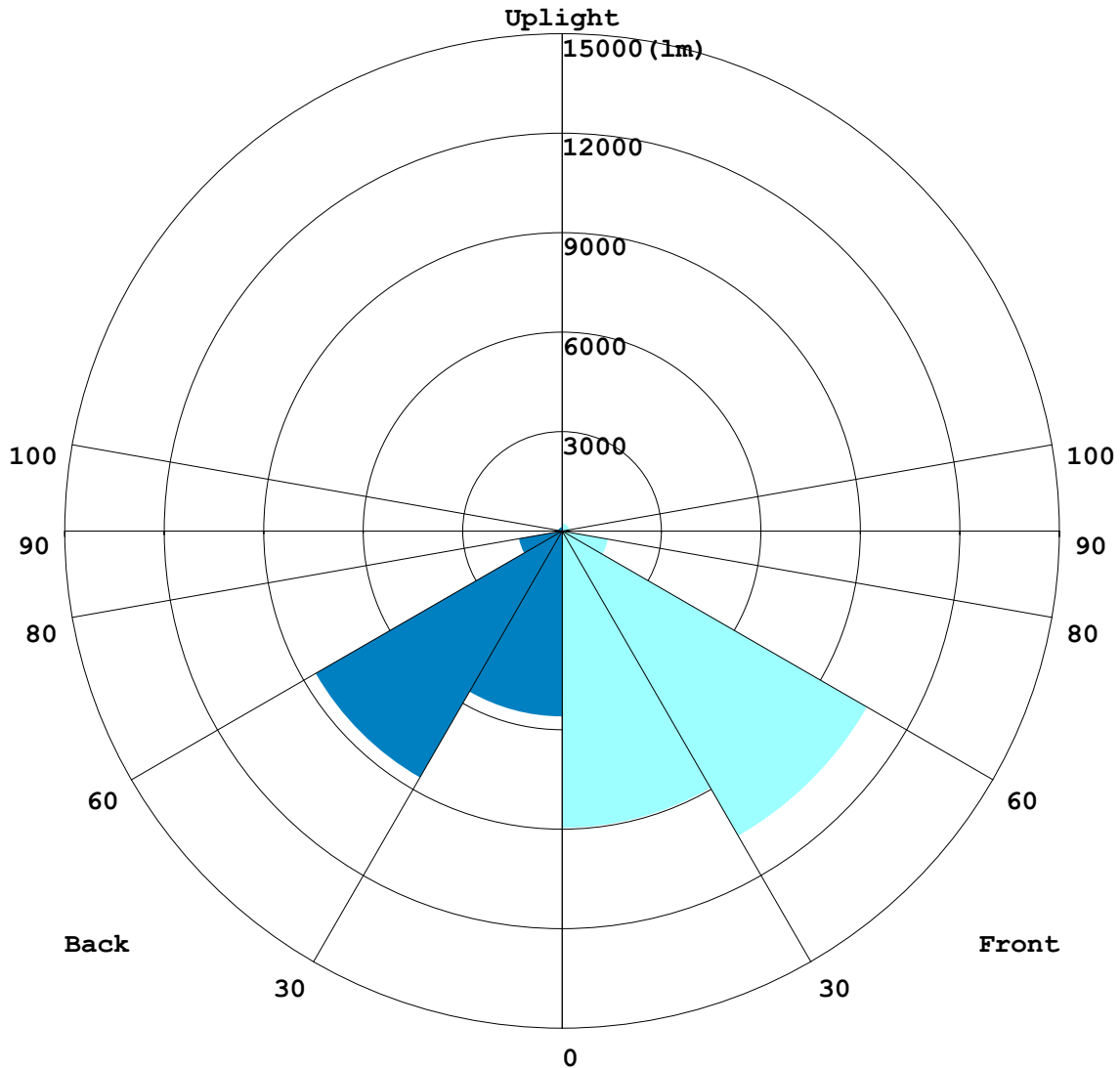
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-08-30

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:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-08-30

□ 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:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	8949.7	24.2
FM - Front-Medium(30-60)	10618	28.7
FH - Front-High(60-80)	1404.8	3.8
FVH - Front-Very High(80-90)	63.069	0.2
Total Forward Light	21270	57.5

BL - Back-Low(0-30)	5595.9	15.1
BM - Back-Medium(30-60)	8580.7	23.2
BH - Back-High(60-80)	1316.4	3.6
BVH - Back-Very High(80-90)	92.853	0.3
Total Back Light	15709	42.5

UL - Uplight-Low(90-100)	18.49	0.1
UH - Uplight-High(100-180)	338.33	0.9
Total Up Light	356.82	1.0

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15586	122.64	15709
Street Side	21036	234.18	21270

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-08-30

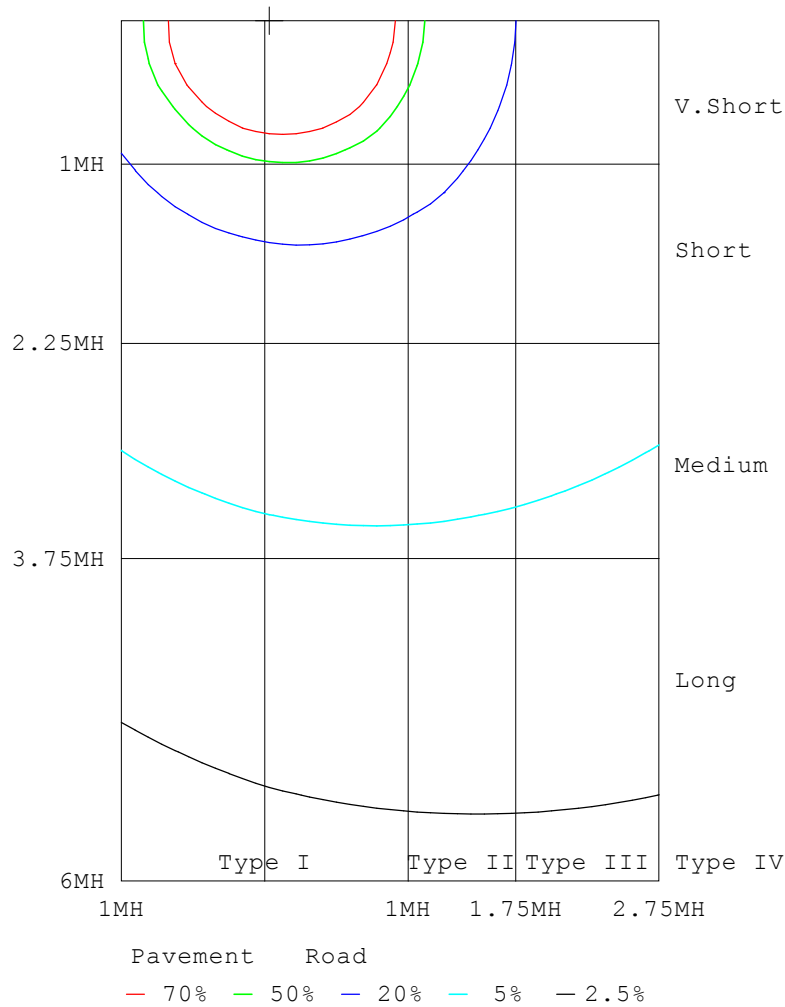
Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-08-30

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:121.9V I:1.982A P:240.8W PF:0.9968 Freq:59.98Hz Lamp Flux:36978.3x1 lm		
NAME: ASD-UHB3-240DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	1810	1808	1806	1805	1810	1808	1806	1805											
5	1804	1804	1804	1805	1811	1809	1806	1801											
10	1790	1792	1799	1803	1810	1809	1800	1787											
15	1759	1765	1785	1798	1807	1802	1783	1758											
20	1708	1720	1755	1784	1796	1785	1749	1708											
25	1621	1644	1703	1751	1767	1750	1691	1621											
30	1477	1533	1612	1691	1712	1684	1590	1477											
35	1241	1318	1458	1584	1608	1567	1426	1239											
40	917	996	1191	1403	1435	1354	1125	910											
45	635	694	858	1087	1122	1027	802	637											
50	427	478	597	767	789	725	549	437											
55	293	327	415	526	535	496	380	299											
60	201	220	288	360	367	335	268	202											
65	135	146	197	244	253	222	180	136											
70	85.6	93.1	131	162	170	147	117	85.7											
75	47.4	53.3	79.8	103	107	92.8	69.8	47.8											
80	19.4	23.3	40.8	55.4	59.9	49.5	34.4	19.4											
85	2.87	3.84	12.0	18.4	24.8	16.6	8.12	2.37											
90	1.92	1.81	1.63	2.10	3.55	2.43	1.44	1.70											
95	1.79	1.72	1.49	1.63	1.44	1.58	1.41	1.68											
100	2.36	2.17	1.81	1.63	1.46	1.55	1.83	2.21											
105	3.06	2.84	2.38	2.01	1.92	2.01	2.42	2.88											
110	3.81	3.61	3.08	2.62	2.53	2.64	3.13	3.66											
115	4.67	4.47	3.88	3.34	3.26	3.39	3.94	4.52											
120	5.61	5.38	4.77	4.17	4.10	4.24	4.85	5.47											
125	6.57	6.33	5.70	5.06	5.02	5.16	5.81	6.44											
130	7.53	7.27	6.65	5.99	6.03	6.15	6.83	7.46											
135	8.43	8.20	7.61	6.92	7.07	7.16	7.87	8.46											
140	9.26	9.10	8.52	7.85	8.11	8.20	8.89	9.44											
145	10.1	9.94	9.37	8.76	9.08	9.18	9.80	10.3											
150	10.9	10.7	10.2	9.60	10.0	10.1	10.7	11.2											
155	11.8	11.6	11.1	10.4	10.9	11.0	11.6	12.1											
160	12.7	12.4	12.0	11.3	11.9	11.9	12.5	12.9											
165	13.5	13.2	12.9	12.3	12.8	12.8	13.3	13.7											
170	14.2	13.9	13.7	13.2	13.7	13.6	14.0	14.2											
175	14.7	14.4	14.3	13.9	14.4	14.2	14.5	14.5											
180	14.8	14.6	14.6	14.5	14.8	14.5	14.7	14.5											

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-08-30

□ 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: