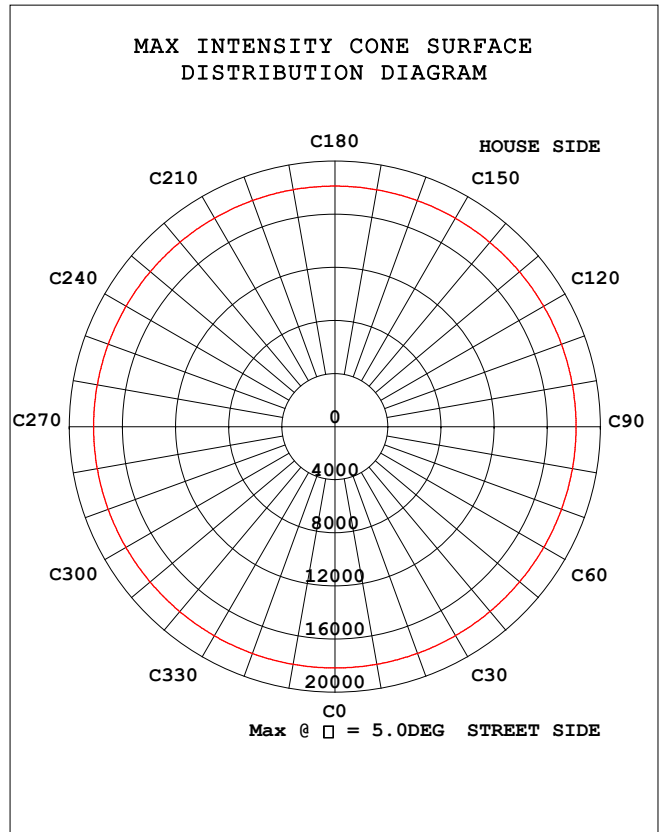
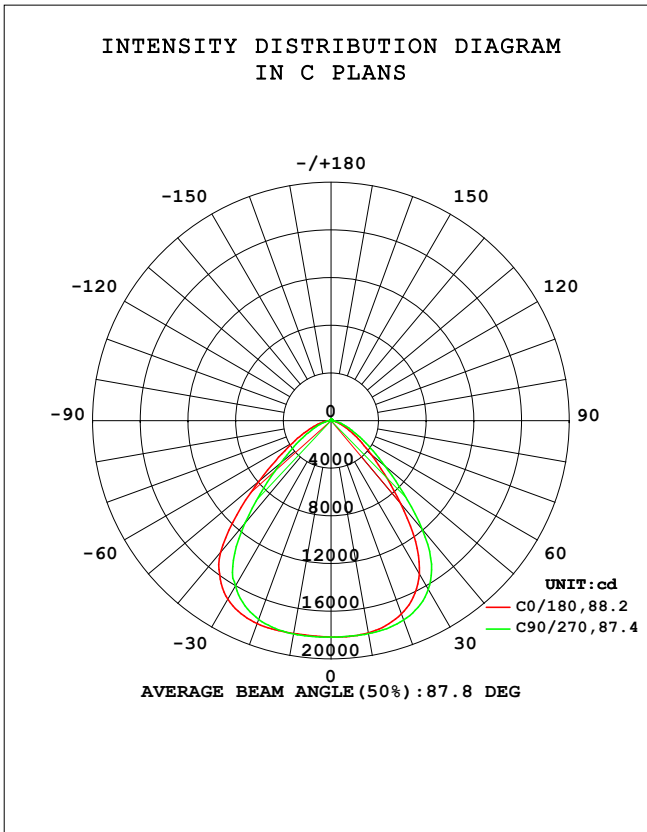


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:121.9V I:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.90 lm/W			
MODEL		I <sub>max</sub> (cd)	18185	<input type="checkbox"/> street_up (%)	0.6
NOMINAL POWER (W)	240	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	56.8
RATED VOLTAGE (V)	120-277	TOTAL FLUX (lm)	37169	<input type="checkbox"/> house_up (%)	0.3
NOMINAL FLUX (lm)	37169.5	MAXIMUM @ (C, <input type="checkbox"/> )	315,5.0	<input type="checkbox"/> house_down (%)	42.2
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.0	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	99.0	SLI	

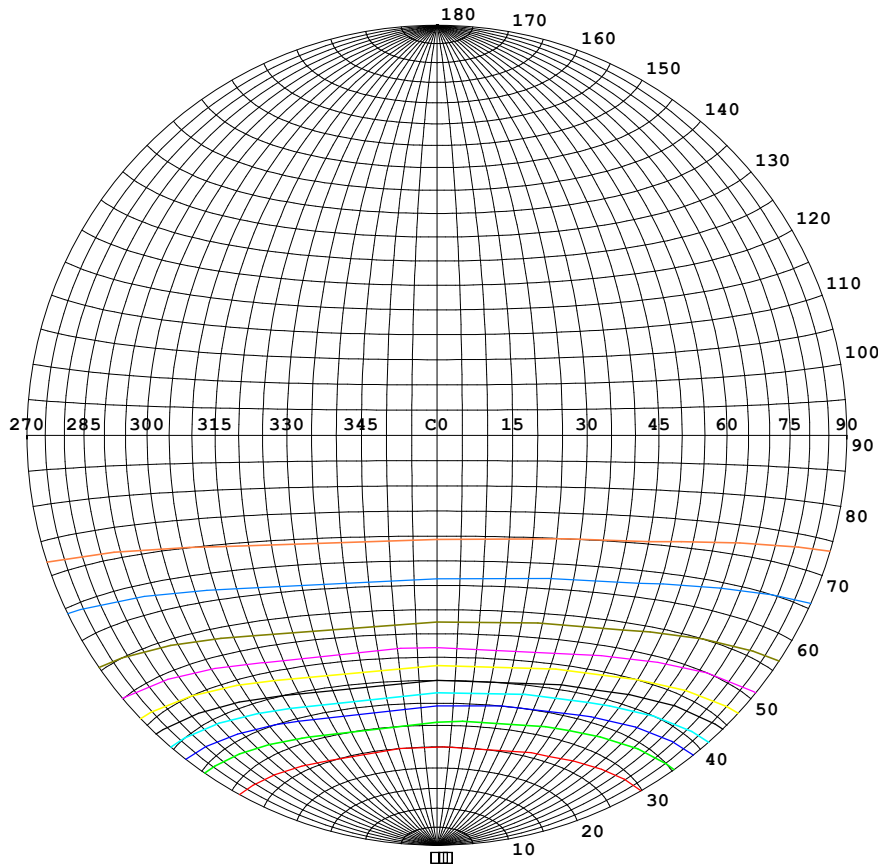


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Marvin Ma  
 Test Date: 2022-08-30

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:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



**Classification:**

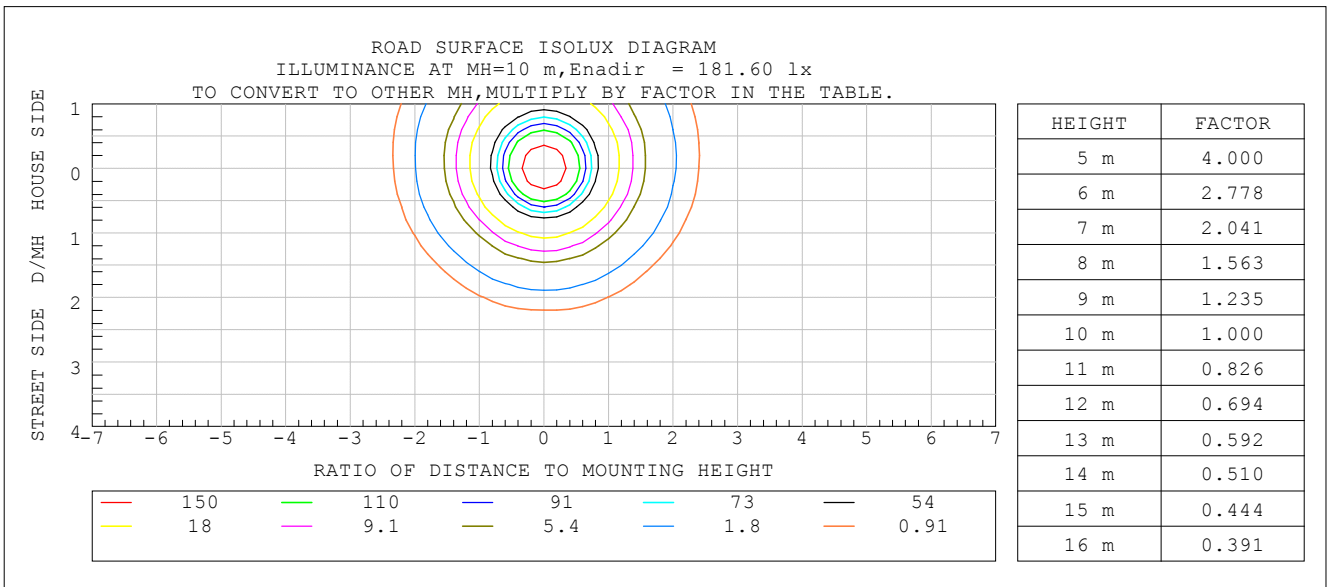
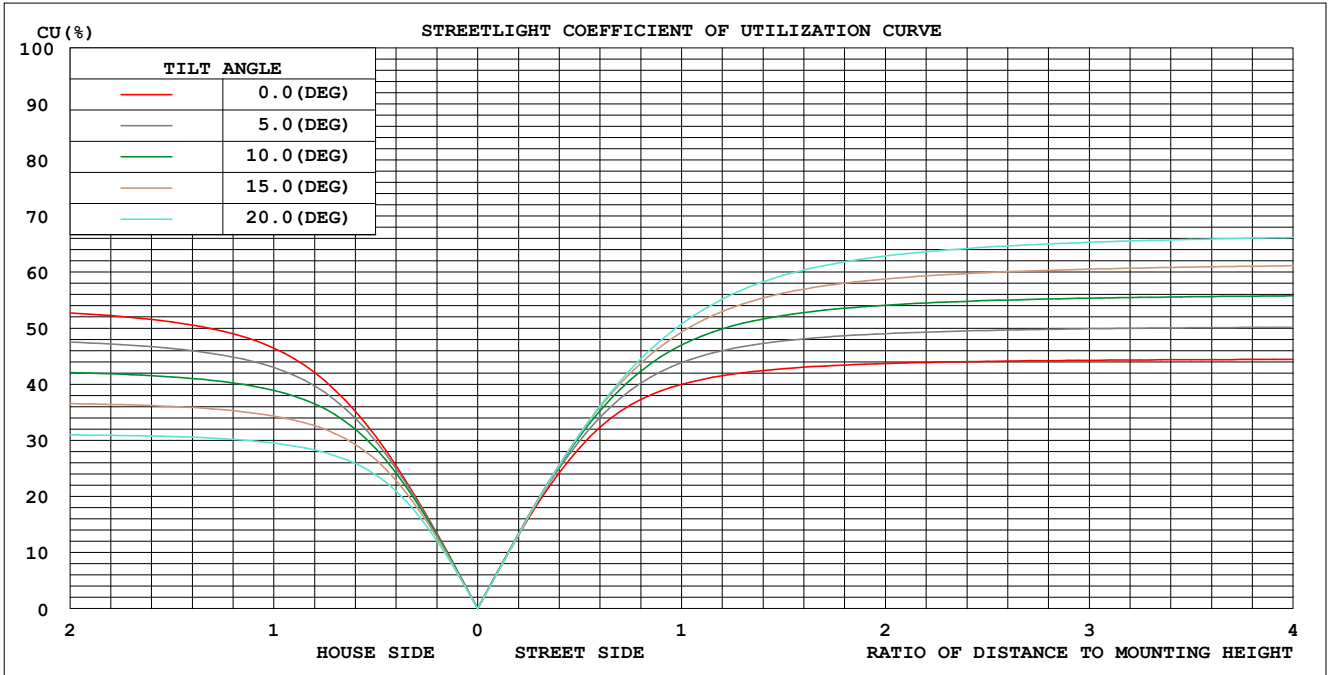
IES:Type VS - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:15.91cd/klm  
 Max.At90:0.9776cd/klm  
 Max.80-90:15.91cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	18185
— 90%	16367
— 80%	14548
— 70%	12730
— 60%	10911
— 50%	9093
— 40%	7274
— 30%	5456
— 20%	3637
— 10%	1819
— 5%	909

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:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

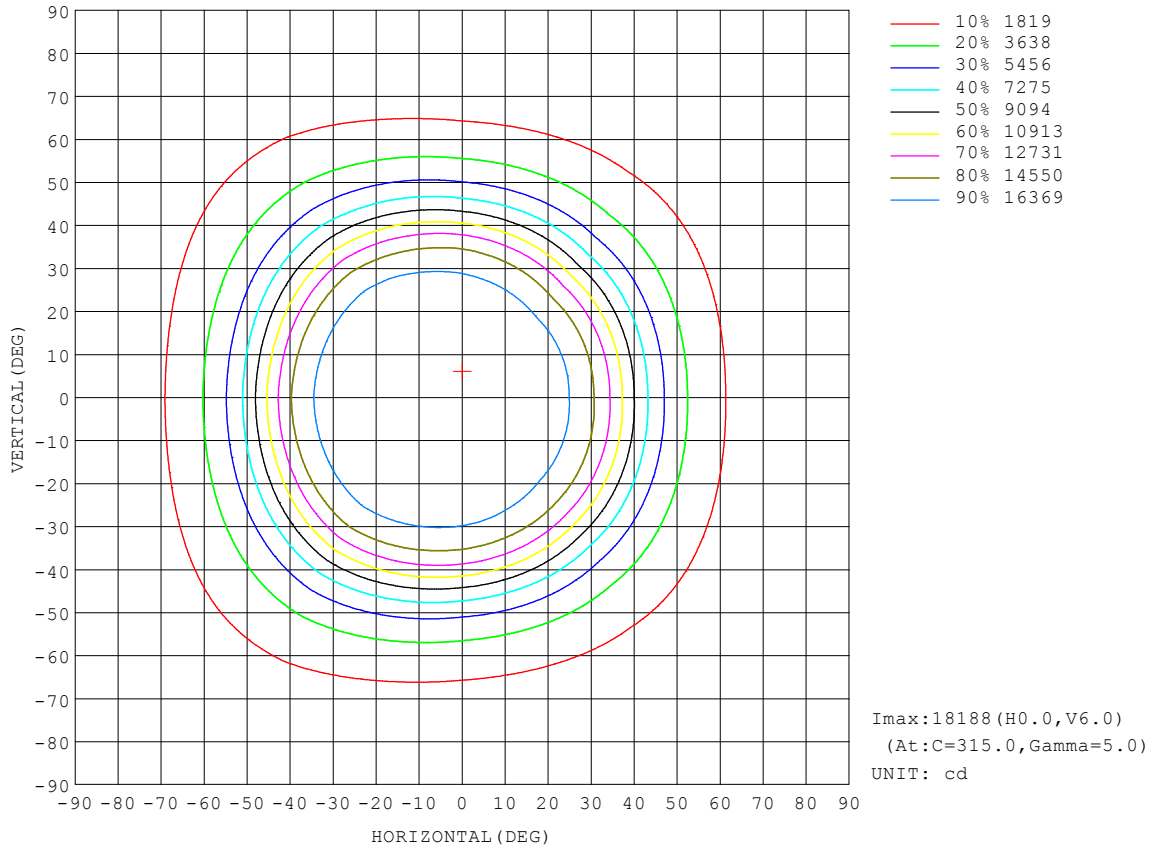
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1808	1811	1815	1815	1813	1818	1818	1811	0- 10	1733	1733	4.66,4.66
20	1727	1743	1780	1808	1812	1806	1775	1733	10- 20	5094	6827	18.4,18.4
30	1482	1546	1634	1719	1732	1706	1605	1487	20- 30	7882	14708	39.6,39.6
40	911.4	993.0	1194	1410	1441	1354	1124	909.7	30- 40	8873	23581	63.4,63.4
50	436.1	471.4	592.2	766.6	787.2	718.8	548.1	433.2	40- 50	6630	30211	81.3,81.3
60	202.0	222.2	282.7	360.7	371.2	337.2	256.9	204.7	50- 60	3718	33929	91.3,91.3
70	84.80	95.02	127.8	165.7	168.4	155.3	109.4	86.67	60- 70	1911	35841	96.4,96.4
80	19.48	24.20	40.20	57.50	59.14	50.98	32.51	19.34	70- 80	813.0	36654	98.6,98.6
90	1.906	1.801	1.600	2.123	3.634	2.373	1.445	1.703	80- 90	156.6	36810	99,99
100	2.354	2.174	1.816	1.626	1.455	1.553	1.837	2.220	90-100	18.49	36829	99.1,99.1
110	3.819	3.621	3.092	2.624	2.526	2.652	3.143	3.681	100-110	26.04	36855	99.2,99.2
120	5.626	5.399	4.788	4.175	4.107	4.263	4.881	5.524	110-120	39.24	36894	99.3,99.3
130	7.570	7.308	6.694	6.013	6.053	6.193	6.893	7.536	120-130	51.86	36946	99.4,99.4
140	9.312	9.157	8.582	7.906	8.159	8.273	8.974	9.547	130-140	59.95	37006	99.6,99.6
150	10.95	10.82	10.29	9.681	10.07	10.20	10.81	11.33	140-150	60.32	37066	99.7,99.7
160	12.76	12.53	12.08	11.44	11.95	12.01	12.60	13.04	150-160	52.52	37119	99.9,99.9
170	14.32	14.05	13.81	13.29	13.79	13.74	14.17	14.37	160-170	37.07	37156	100,100
180	14.88	14.69	14.80	14.61	14.88	14.69	14.80	14.62	170-180	13.67	37169	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

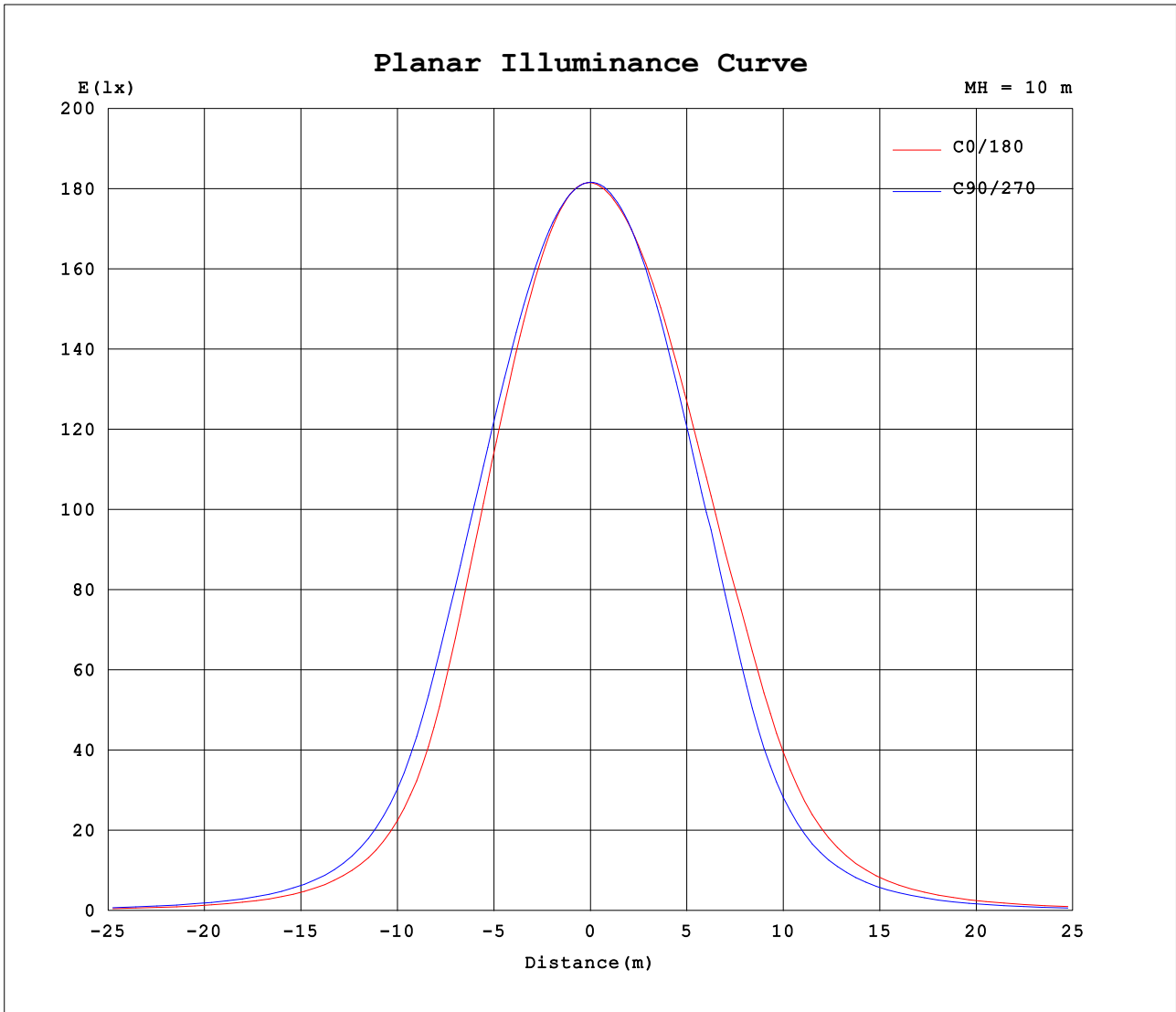
Test:U:121.9V I:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



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



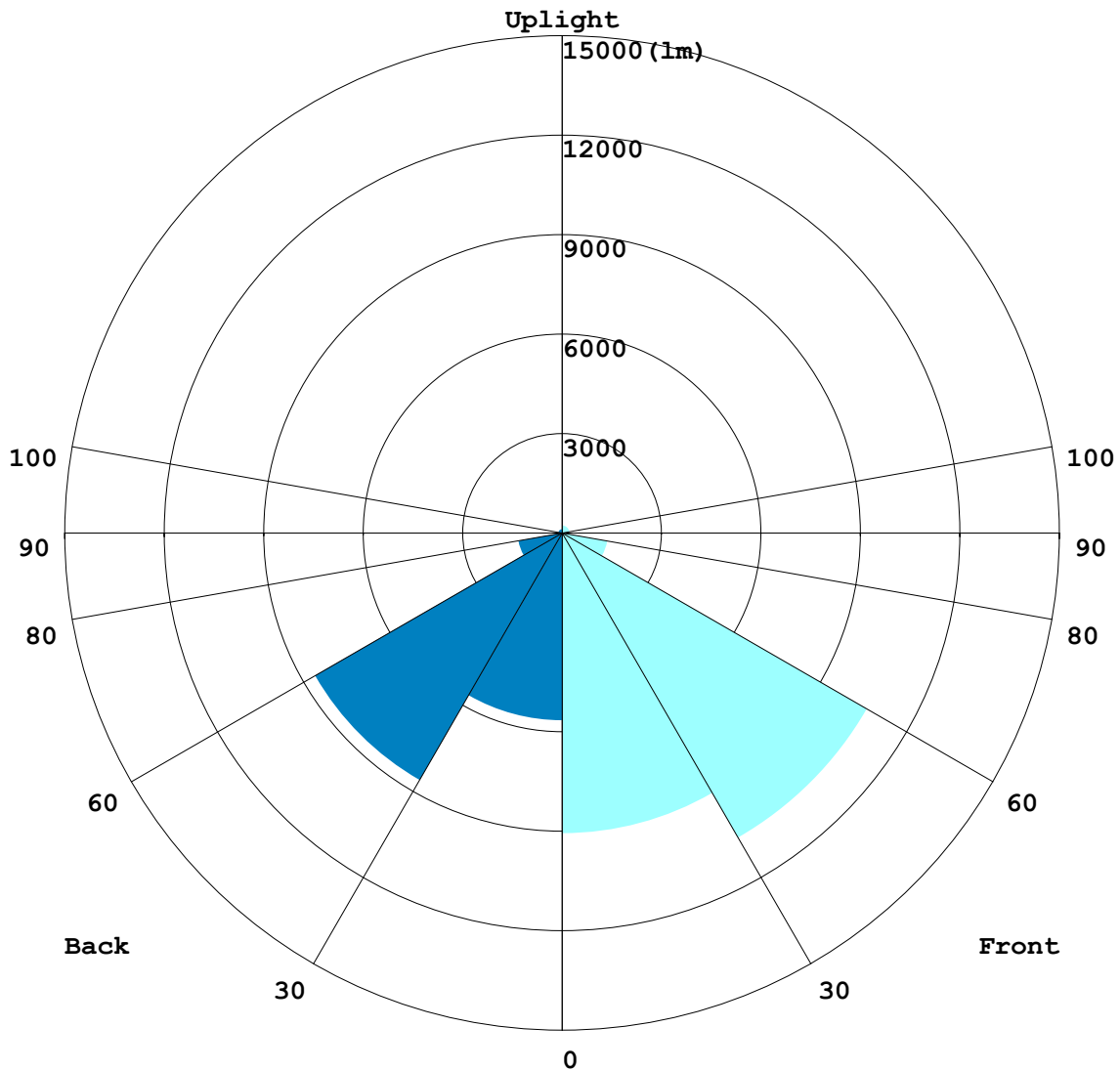
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: Marvin Ma  
 Test Date: 2022-08-30

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:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	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:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	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)	9054.5	24.4
FM - Front-Medium(30-60)	10617	28.6
FH - Front-High(60-80)	1386.3	3.7
FVH - Front-Very High(80-90)	62.388	0.2
Total Forward Light	21356	57.5

BL - Back-Low(0-30)	5653.8	15.2
BM - Back-Medium(30-60)	8604	23.1
BH - Back-High(60-80)	1338.1	3.6
BVH - Back-Very High(80-90)	94.238	0.3
Total Back Light	15813	42.5

UL - Uplight-Low(90-100)	18.492	0.0
UH - Uplight-High(100-180)	340.66	0.9
Total Up Light	359.15	1.0

BUG(Back,Up,Glare) Rating	B5-U3-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15690	123.35	15813
Street Side	21120	235.8	21356

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

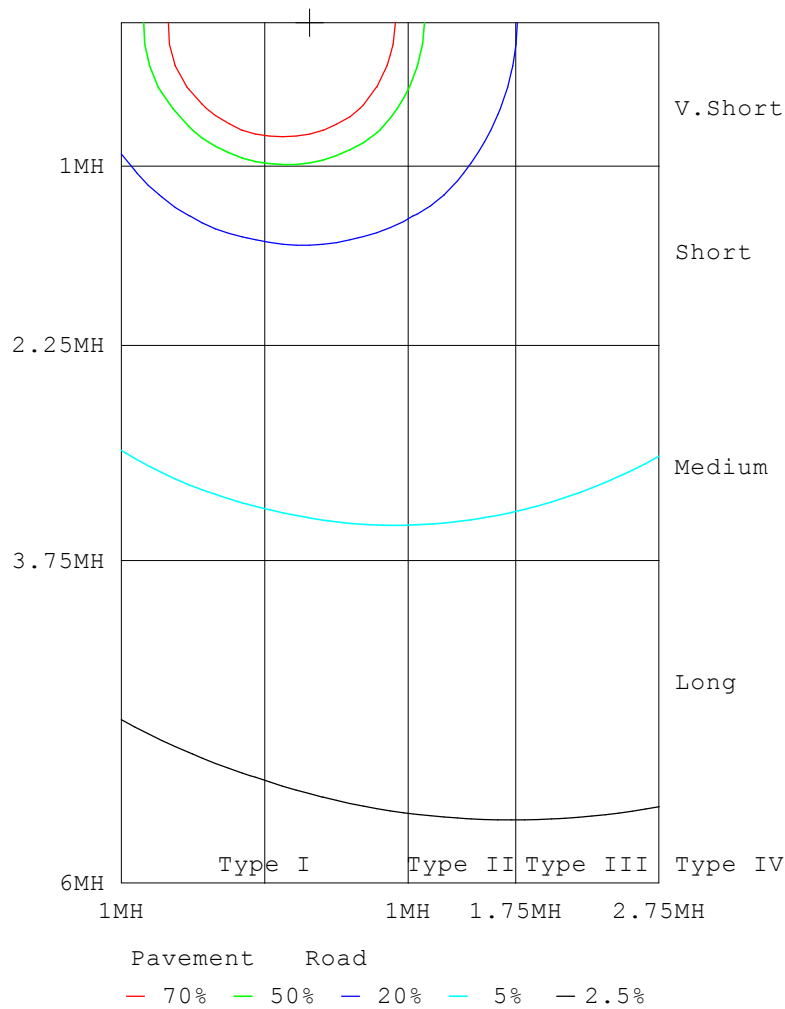
Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:121.9V I:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	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:1.901A P:231.0W PF:0.9966 Freq:59.98Hz Lamp Flux:37169.5x1 lm		
NAME: ASD-UHB3-240DAC-BK-4000K	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	1816	1816	1816	1817	1816	1816	1816	1817										
5	1816	1817	1816	1814	1813	1816	1818	1819										
10	1808	1811	1815	1815	1813	1818	1818	1811										
15	1781	1789	1807	1816	1816	1817	1806	1785										
20	1727	1743	1780	1808	1812	1806	1775	1733										
25	1635	1663	1729	1778	1788	1773	1713	1641										
30	1482	1546	1634	1719	1732	1706	1605	1487										
35	1237	1318	1470	1602	1623	1580	1431	1239										
40	911	993	1194	1410	1441	1354	1124	910										
45	636	690	859	1087	1119	1021	800	634										
50	436	471	592	767	787	719	548	433										
55	299	325	407	525	538	489	378	299										
60	202	222	283	361	371	337	257	205										
65	134	148	193	247	253	231	170	138										
70	84.8	95.0	128	166	168	155	109	86.7										
75	47.2	54.5	77.8	106	106	97.6	65.8	48.0										
80	19.5	24.2	40.2	57.5	59.1	51.0	32.5	19.3										
85	2.82	3.90	12.1	19.4	24.6	16.6	7.99	2.38										
90	1.91	1.80	1.60	2.12	3.63	2.37	1.45	1.70										
95	1.78	1.72	1.49	1.62	1.45	1.57	1.42	1.68										
100	2.35	2.17	1.82	1.63	1.46	1.55	1.84	2.22										
105	3.06	2.84	2.39	2.01	1.92	2.02	2.43	2.90										
110	3.82	3.62	3.09	2.62	2.53	2.65	3.14	3.68										
115	4.68	4.48	3.90	3.35	3.26	3.40	3.96	4.56										
120	5.63	5.40	4.79	4.17	4.11	4.26	4.88	5.52										
125	6.59	6.36	5.73	5.07	5.04	5.19	5.86	6.50										
130	7.57	7.31	6.69	6.01	6.05	6.19	6.89	7.54										
135	8.48	8.25	7.66	6.96	7.10	7.22	7.94	8.55										
140	9.31	9.16	8.58	7.91	8.16	8.27	8.97	9.55										
145	10.1	10.0	9.45	8.83	9.14	9.26	9.90	10.4										
150	11.0	10.8	10.3	9.68	10.1	10.2	10.8	11.3										
155	11.8	11.7	11.2	10.5	11.0	11.1	11.7	12.2										
160	12.8	12.5	12.1	11.4	11.9	12.0	12.6	13.0										
165	13.6	13.4	13.0	12.4	12.9	12.9	13.5	13.8										
170	14.3	14.1	13.8	13.3	13.8	13.7	14.2	14.4										
175	14.8	14.6	14.5	14.1	14.5	14.4	14.6	14.7										
180	14.9	14.7	14.8	14.6	14.9	14.7	14.8	14.6										

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: