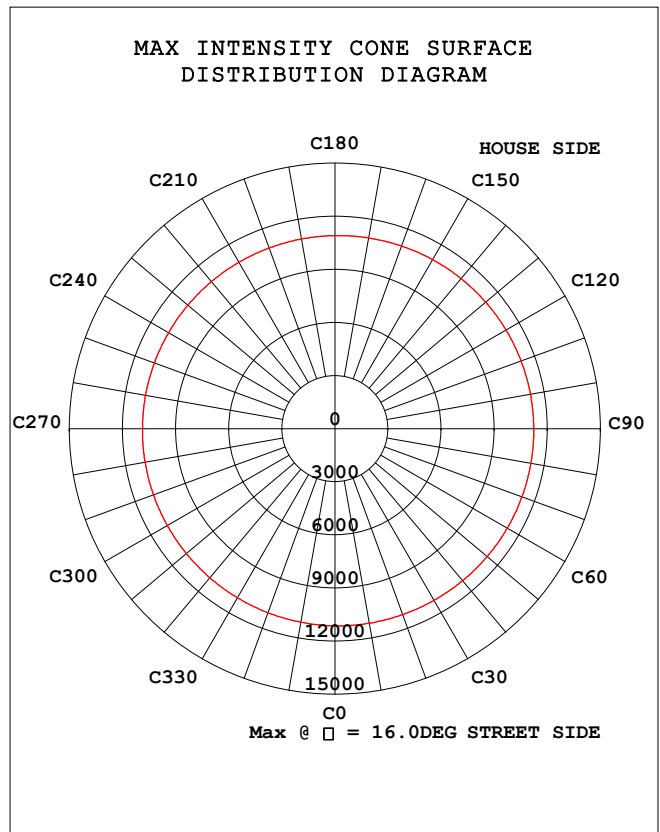
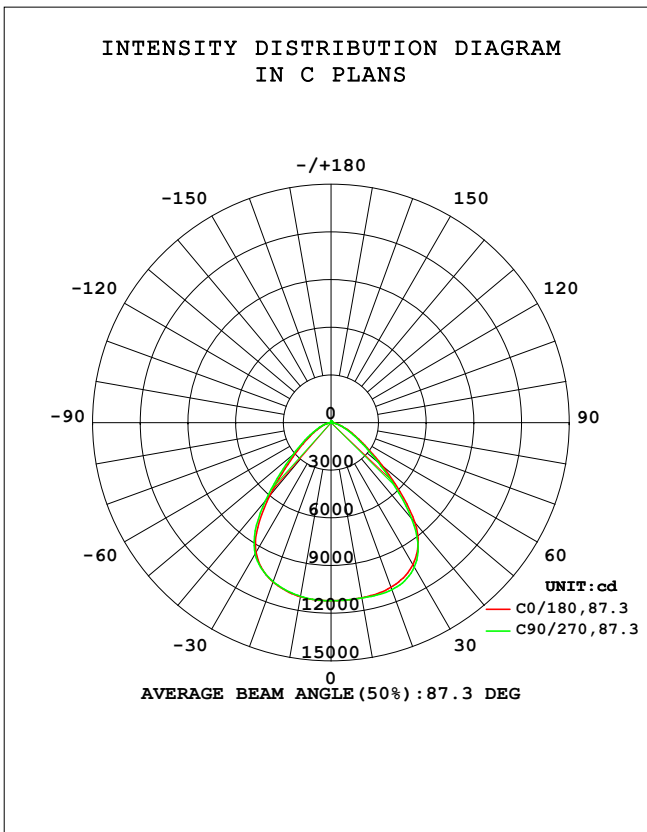


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.67 lm/W			
MODEL		Imax(cd)	11232	<input type="checkbox"/> street_up(%)	0.6
NOMINAL POWER(W)	150	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	64.5
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	22437	<input type="checkbox"/> house_up(%)	0.4
NOMINAL FLUX(lm)	22437.2	MAXIMUM @ (C, $\square$ )	90,16.0	<input type="checkbox"/> house_down(%)	34.6
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	1.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	99.0	SLI	

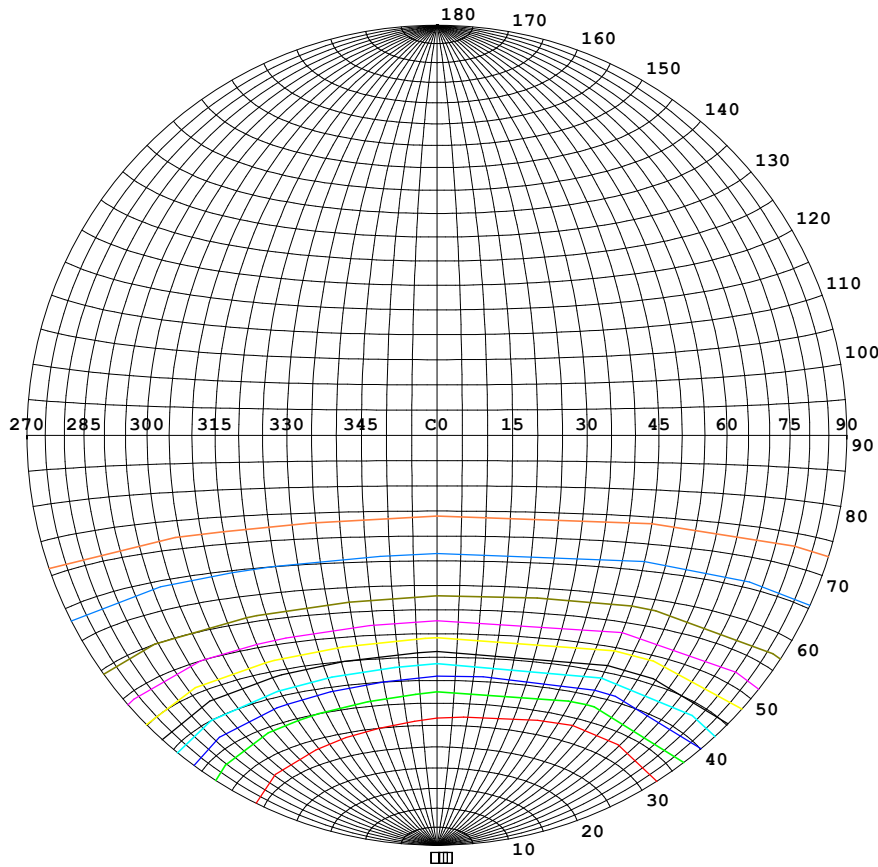


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:Marvin Ma  
 Test Date:2022-08-30

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:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



**Classification:**

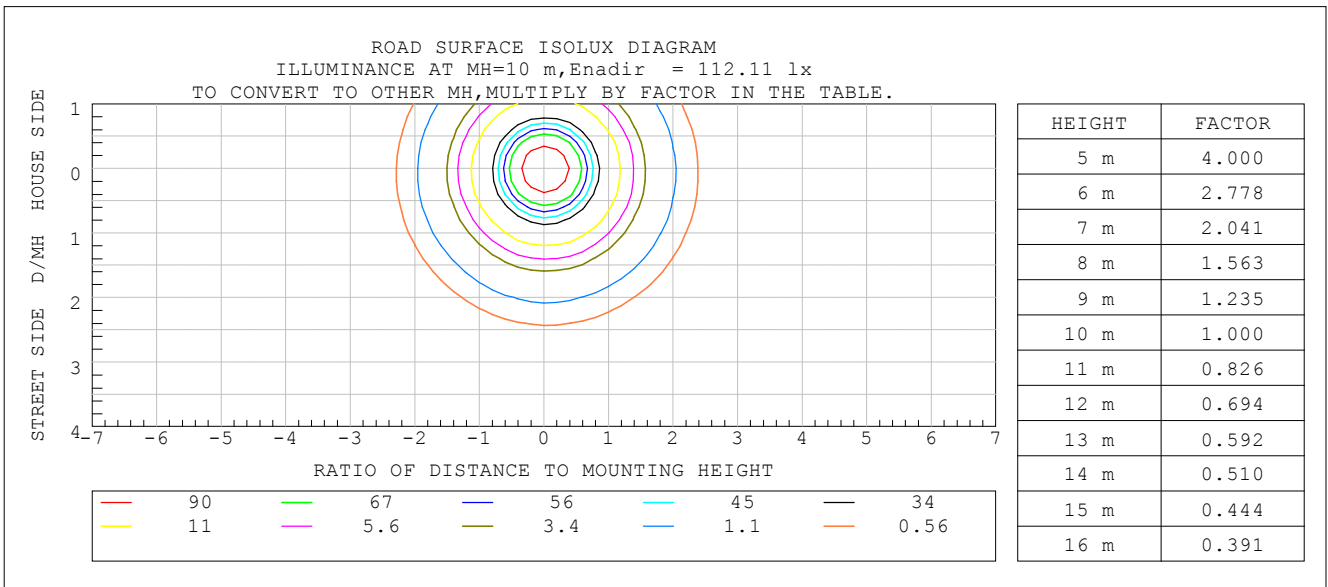
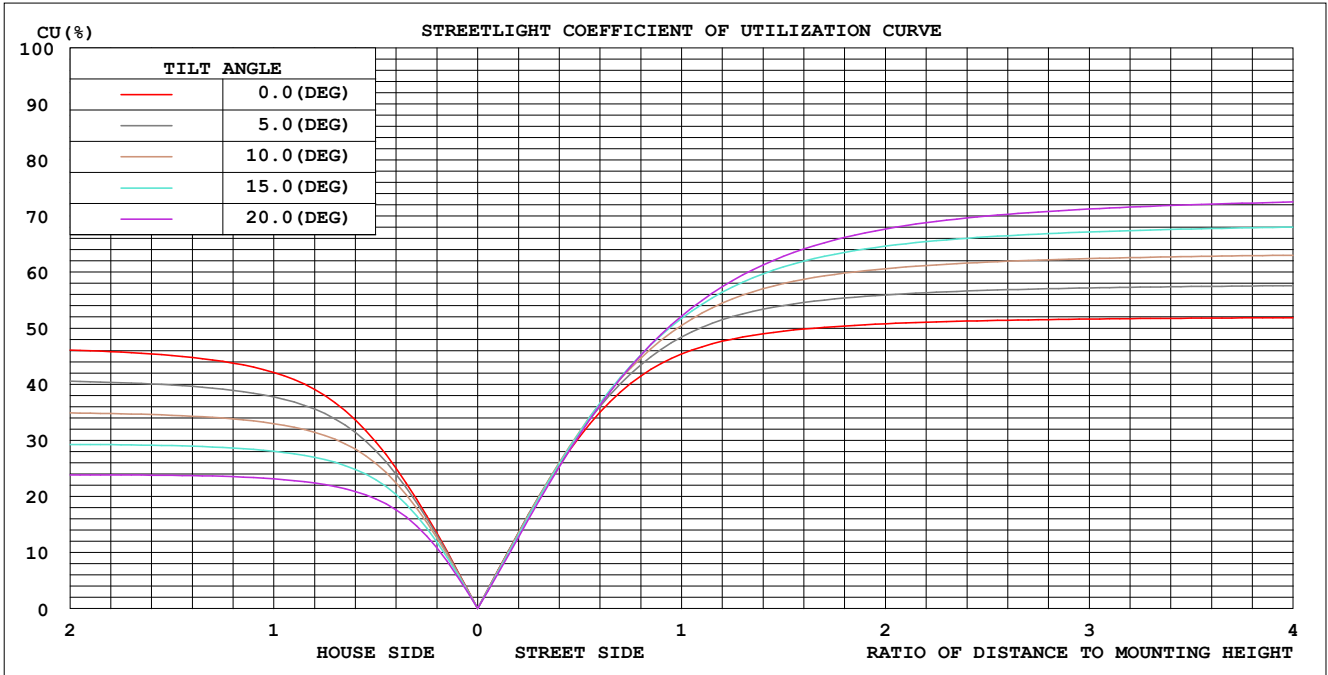
IES:Type V - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:11.07cd/klm  
 Max.At90:0.4707cd/klm  
 Max.80-90:11.07cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	11232
90%	10109
80%	8986
70%	7863
60%	6739
50%	5616
40%	4493
30%	3370
20%	2246
10%	1123
5%	562

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:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

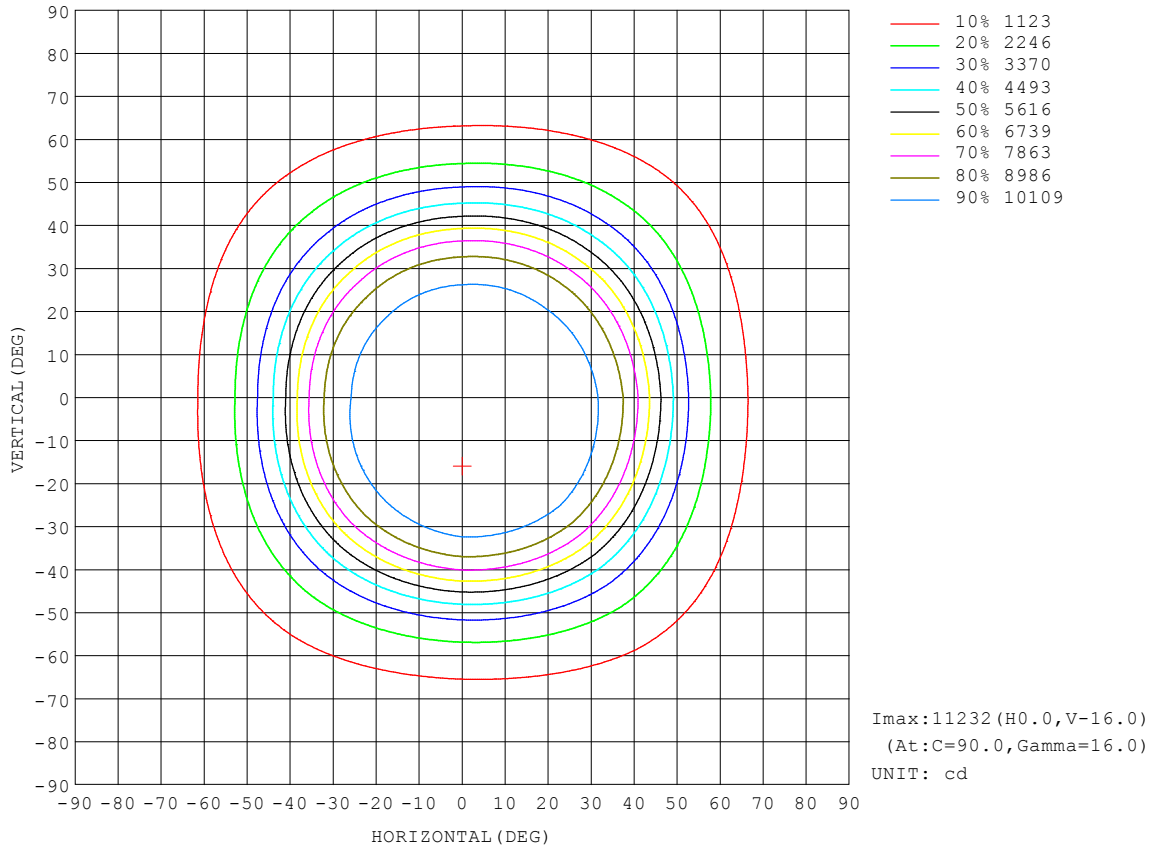
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1119	1119	1121	1120	1112	1109	1110	1115	0- 10	1068	1068	4.76,4.76
20	1103	1120	1119	1095	1067	1061	1065	1079	10- 20	3129	4197	18.7,18.7
30	1031	1061	1049	997.7	944.2	938.2	954.8	985.3	20- 30	4850	9047	40.3,40.3
40	821.3	832.2	791.9	710.5	602.4	604.4	642.8	715.3	30- 40	5471	14518	64.7,64.7
50	419.3	425.5	386.8	340.6	278.0	285.8	309.7	352.7	40- 50	3989	18507	82.5,82.5
60	189.8	194.5	175.9	155.4	126.0	132.2	143.9	162.5	50- 60	2165	20672	92.1,92.1
70	82.79	83.62	75.15	65.78	52.80	55.99	61.92	70.47	60- 70	1077	21749	96.9,96.9
80	24.84	17.29	17.86	11.78	11.70	9.876	15.76	14.06	70- 80	423.1	22172	98.8,98.8
90	0.8994	0.9843	0.7609	0.9428	0.8072	1.056	0.8402	1.037	80- 90	45.51	22218	99,99
100	0.9595	0.9799	1.040	1.125	1.223	1.215	1.151	1.047	90-100	10.36	22228	99.1,99.1
110	1.693	1.675	1.814	1.913	2.114	2.080	2.014	1.814	100-110	15.46	22244	99.1,99.1
120	2.721	2.649	2.866	2.942	3.290	3.206	3.172	2.869	110-120	23.81	22268	99.2,99.2
130	3.941	3.774	4.081	4.080	4.637	4.445	4.513	4.092	120-130	31.93	22300	99.4,99.4
140	5.087	5.003	5.157	5.287	5.848	5.719	5.754	5.401	130-140	37.08	22337	99.6,99.6
150	6.071	6.116	6.132	6.359	6.881	6.931	6.757	6.610	140-150	37.30	22374	99.7,99.7
160	7.169	7.135	7.253	7.369	7.968	7.922	7.831	7.634	150-160	32.22	22406	99.9,99.9
170	8.333	8.233	8.388	8.409	8.865	8.767	8.784	8.579	160-170	22.71	22429	100,100
180	9.109	9.002	9.098	9.009	9.115	9.007	9.098	9.012	170-180	8.376	22437	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

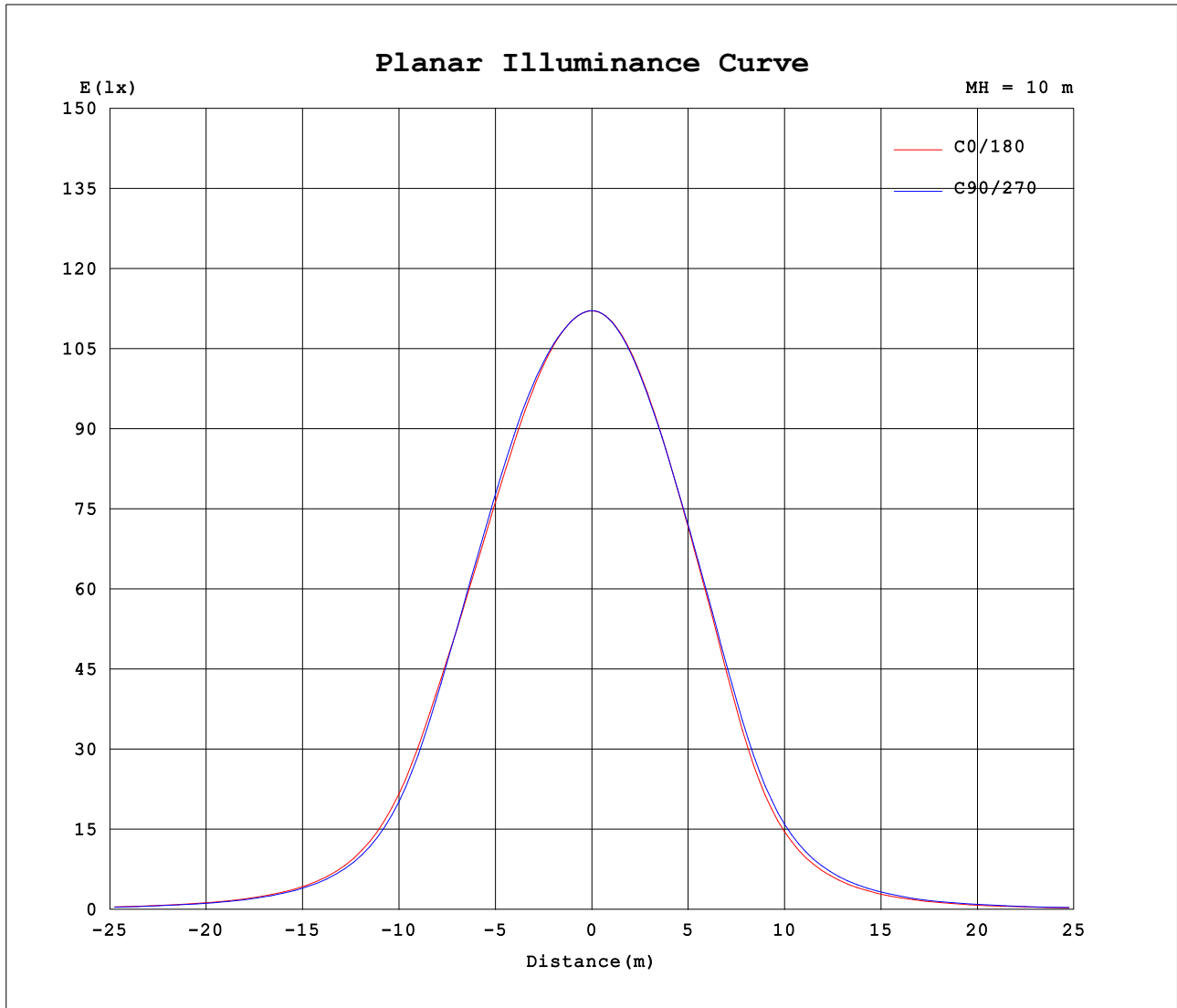
Test:U:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-BK-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



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



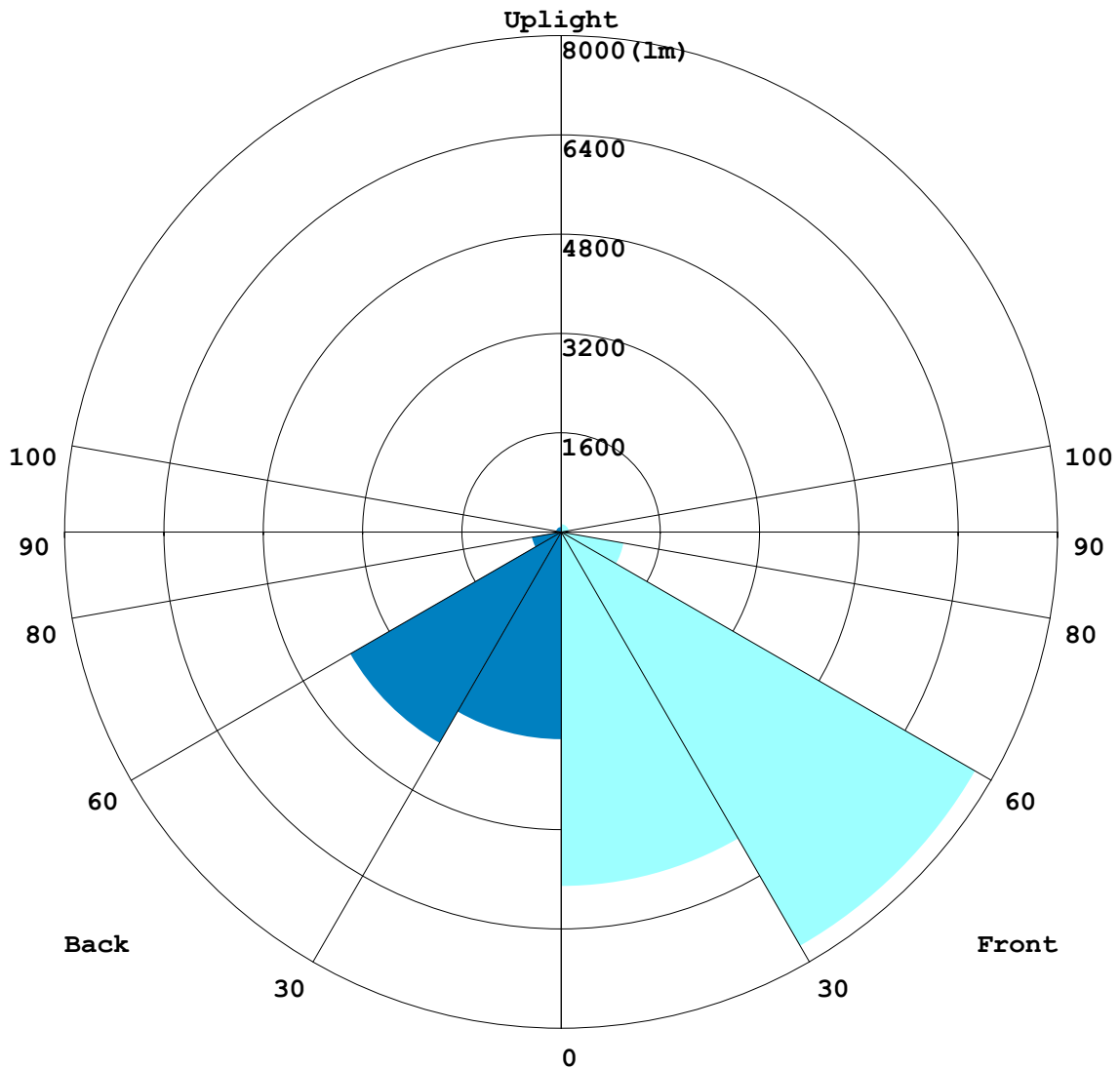
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.1DEG  
Operators:Marvin Ma  
Test Date:2022-08-30

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:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-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:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-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)	5705.5	25.4
FM - Front-Medium(30-60)	7701.5	34.3
FH - Front-High(60-80)	1023	4.6
FVH - Front-Very High(80-90)	33.935	0.2
Total Forward Light	14597	65.1

BL - Back-Low(0-30)	3341.7	14.9
BM - Back-Medium(30-60)	3923.6	17.5
BH - Back-High(60-80)	477.22	2.1
BVH - Back-Very High(80-90)	11.576	0.1
Total Back Light	7839.9	34.9

UL - Uplight-Low(90-100)	10.361	0.0
UH - Uplight-High(100-180)	208.89	0.9
Total Up Light	219.25	1.0

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7754	85.881	7839.9
Street Side	14464	133.37	14597

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

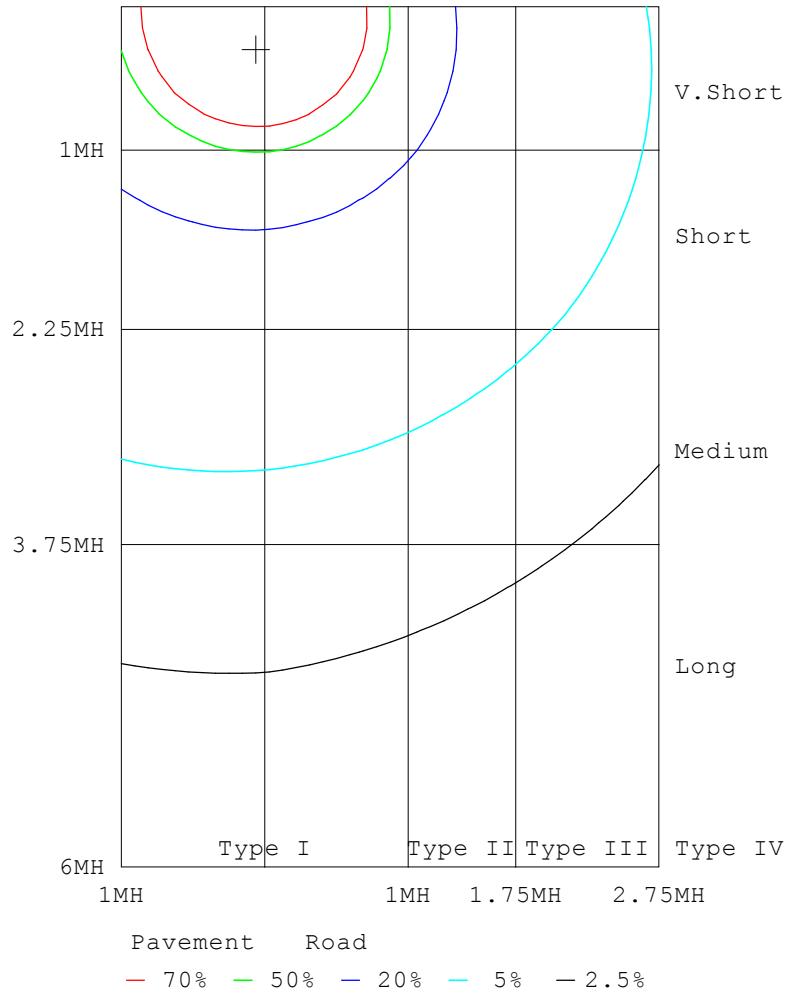
Range: 0 - 180DEG  
 Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
Humidity:56%  
Test Distance:6.500m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-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:122.1V I:1.222A P:148.9W PF:0.9981 Freq:59.98Hz Lamp Flux:22437.2x1 lm		
NAME: ASD-UHB3-150DAC-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	1121	1121	1121	1122	1121	1121	1121	1122											
5	1120	1120	1120	1121	1120	1119	1119	1120											
10	1119	1119	1121	1120	1112	1109	1110	1115											
15	1116	1122	1123	1113	1096	1091	1093	1102											
20	1103	1120	1119	1095	1067	1061	1065	1079											
25	1078	1104	1098	1060	1020	1015	1024	1043											
30	1031	1061	1049	998	944	938	955	985											
35	954	980	956	892	807	800	832	887											
40	821	832	792	711	602	604	643	715											
45	614	619	572	503	412	419	453	517											
50	419	426	387	341	278	286	310	353											
55	280	287	261	231	189	197	213	240											
60	190	194	176	155	126	132	144	162											
65	127	129	117	103	83.4	87.5	95.8	108											
70	82.8	83.6	75.2	65.8	52.8	56.0	61.9	70.5											
75	50.1	47.8	42.6	36.0	29.2	31.6	36.4	40.2											
80	24.8	17.3	17.9	11.8	11.7	9.88	15.8	14.1											
85	4.91	1.92	1.97	1.36	1.11	1.44	2.18	1.89											
90	0.90	0.98	0.76	0.94	0.81	1.06	0.84	1.04											
95	0.84	0.96	0.80	0.96	0.90	1.03	0.88	1.01											
100	0.96	0.98	1.04	1.12	1.22	1.21	1.15	1.05											
105	1.28	1.28	1.39	1.48	1.63	1.61	1.54	1.39											
110	1.69	1.68	1.81	1.91	2.11	2.08	2.01	1.81											
115	2.18	2.13	2.31	2.40	2.67	2.60	2.56	2.31											
120	2.72	2.65	2.87	2.94	3.29	3.21	3.17	2.87											
125	3.31	3.20	3.47	3.50	3.94	3.81	3.83	3.46											
130	3.94	3.77	4.08	4.08	4.64	4.45	4.51	4.09											
135	4.55	4.35	4.64	4.65	5.28	5.07	5.19	4.73											
140	5.09	5.00	5.16	5.29	5.85	5.72	5.75	5.40											
145	5.58	5.61	5.64	5.88	6.35	6.40	6.25	6.03											
150	6.07	6.12	6.13	6.36	6.88	6.93	6.76	6.61											
155	6.59	6.60	6.66	6.83	7.41	7.41	7.27	7.09											
160	7.17	7.14	7.25	7.37	7.97	7.92	7.83	7.63											
165	7.77	7.70	7.85	7.91	8.48	8.40	8.36	8.15											
170	8.33	8.23	8.39	8.41	8.86	8.77	8.78	8.58											
175	8.80	8.70	8.83	8.79	9.08	8.99	9.04	8.89											
180	9.11	9.00	9.10	9.01	9.12	9.01	9.10	9.01											

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: