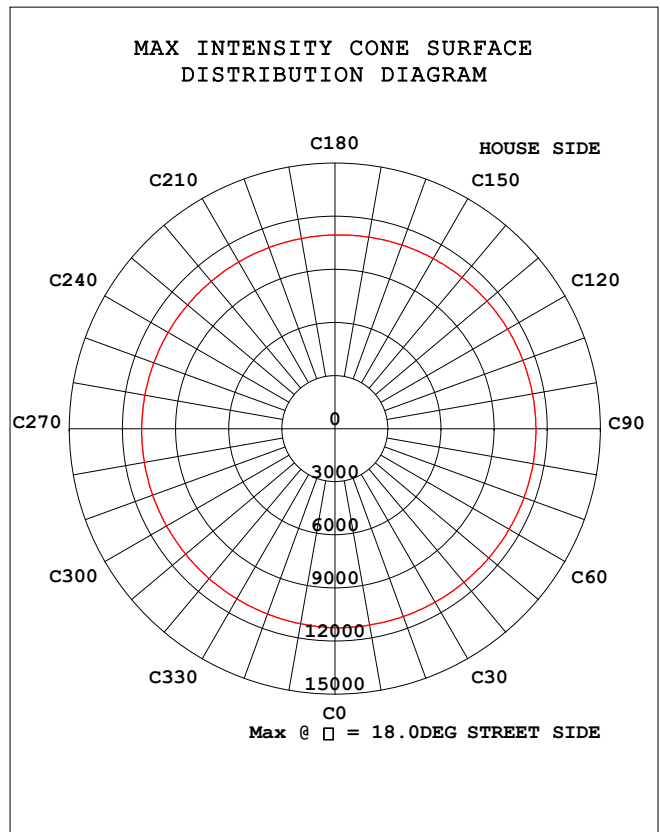
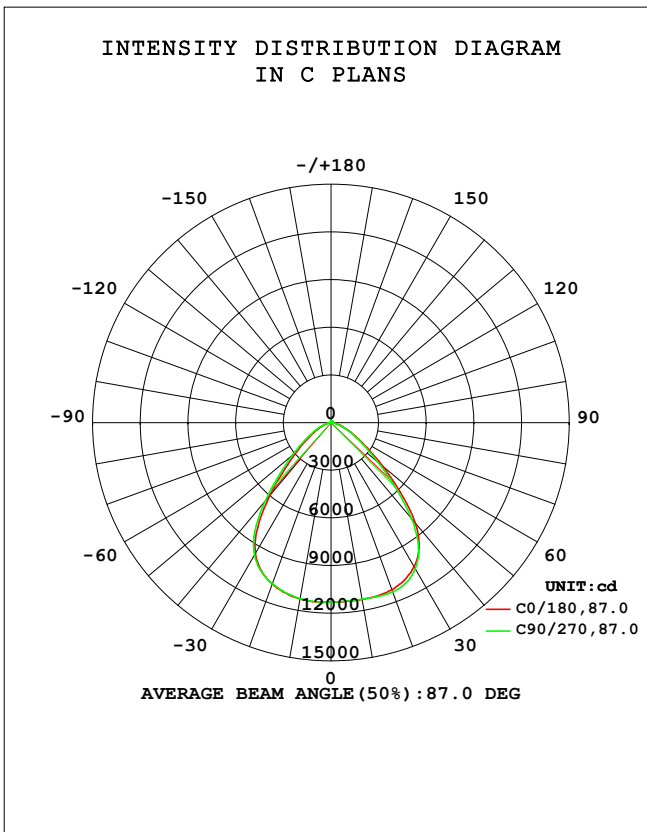


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:122.1V I:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.24 lm/W			
MODEL		Imax(cd)	11352	<input type="checkbox"/> street_up(%)	0.6
NOMINAL POWER(W)	150W	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	64.5
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	22571	<input type="checkbox"/> house_up(%)	0.4
NOMINAL FLUX(lm)	22570.7	MAXIMUM @ (C, \square)	90,18.0	<input type="checkbox"/> house_down(%)	34.5
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	1.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	99.0	SLI	

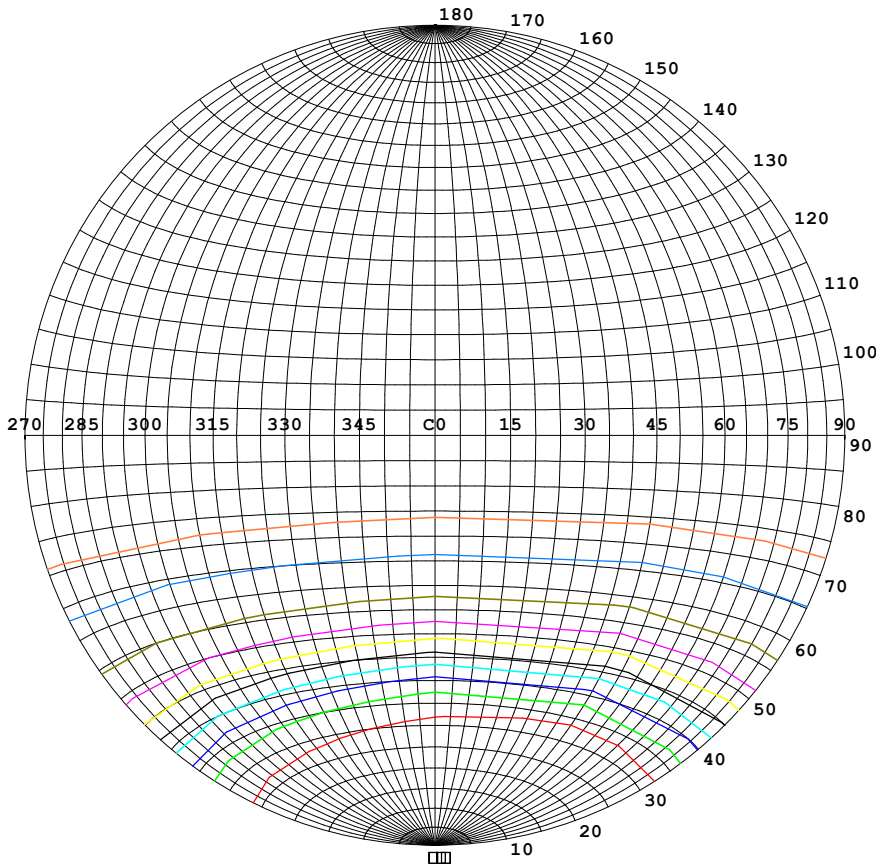


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-30

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:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



Classification:

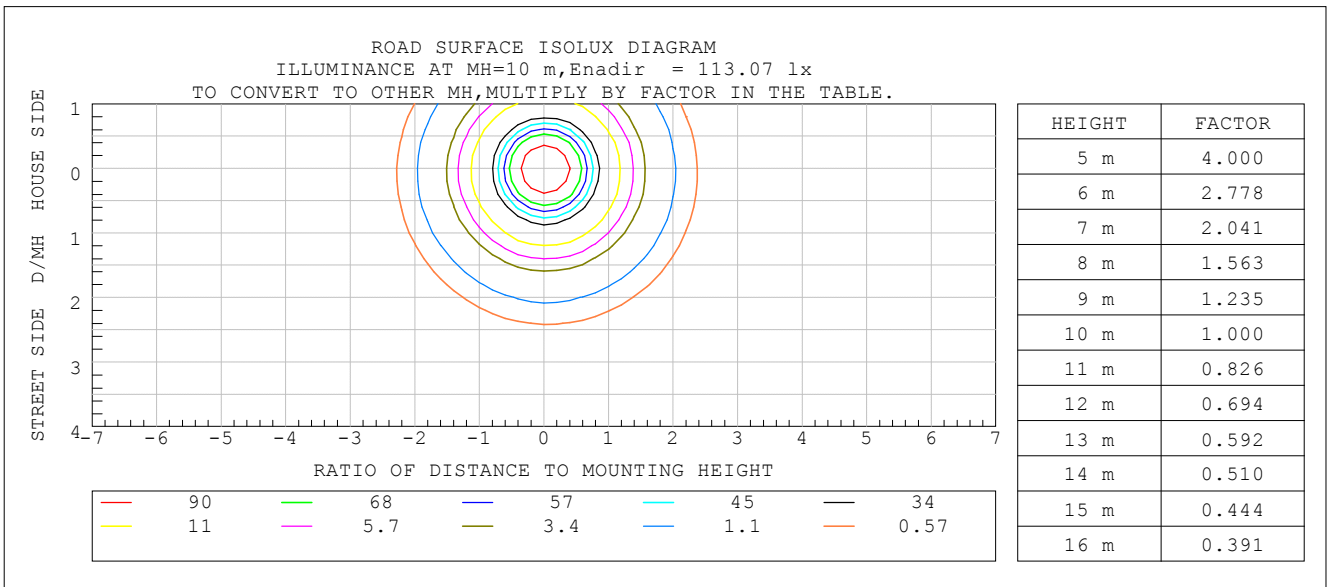
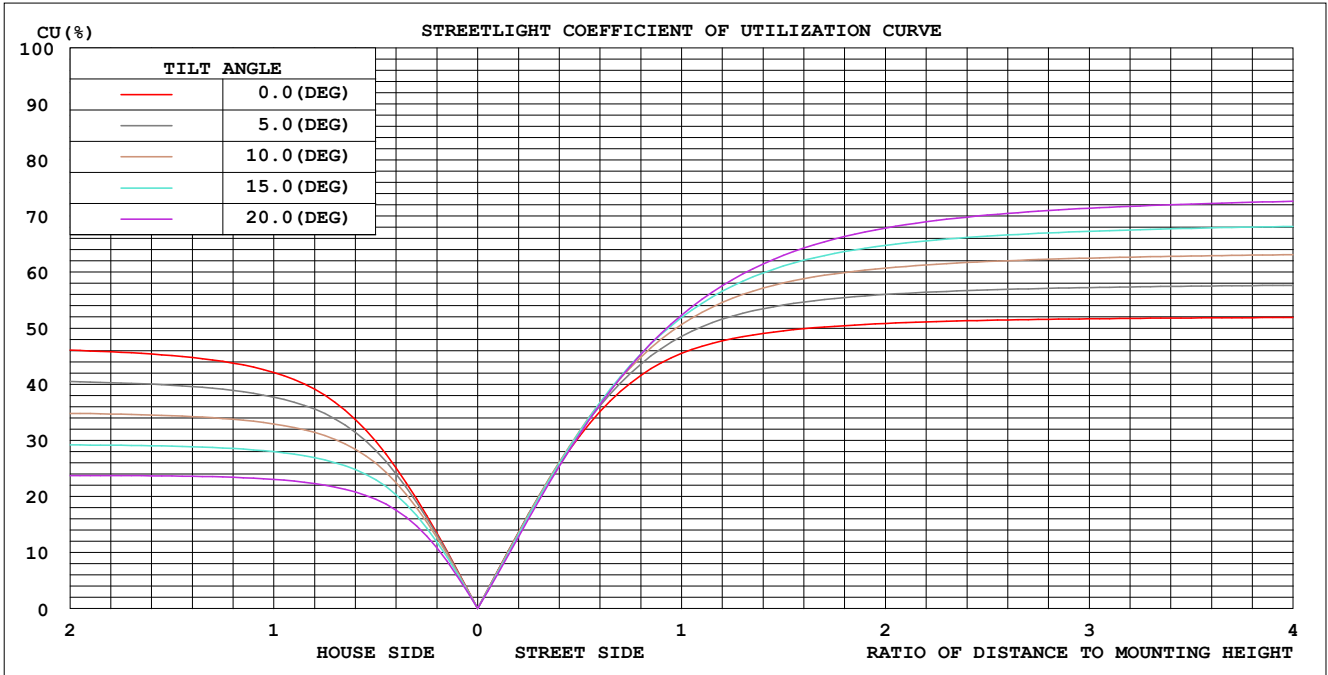
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:10.87cd/klm
 Max.At90:0.4636cd/klm
 Max.80-90:10.87cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	11352
— 90%	10217
— 80%	9082
— 70%	7946
— 60%	6811
— 50%	5676
— 40%	4541
— 30%	3406
— 20%	2270
— 10%	1135
— 5%	568

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:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:

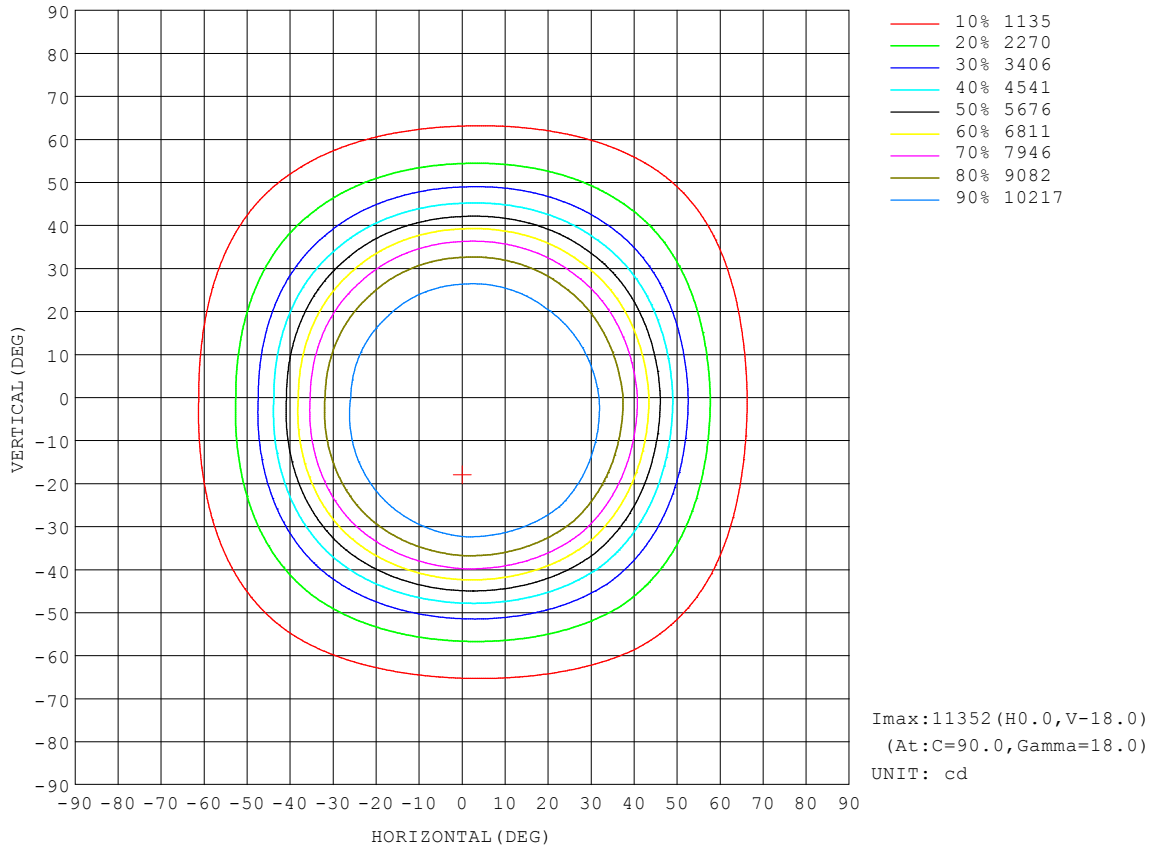
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	zone	total	%lum,lamp
10	1130	1126	1128	1132	1127	1124	1125	1128	0- 10	1078	1078	4.78,4.78
20	1119	1135	1134	1111	1081	1074	1079	1093	10- 20	3167	4245	18.8,18.8
30	1047	1077	1062	1009	952.4	943.4	964.3	995.5	20- 30	4913	9158	40.6,40.6
40	825.4	835.8	787.8	708.8	601.6	604.3	646.6	714.6	30- 40	5504	14662	65,65
50	419.2	425.1	382.4	339.5	277.4	286.0	313.0	352.3	40- 50	3986	18647	82.6,82.6
60	189.6	194.4	174.9	154.9	125.5	131.4	145.4	163.2	50- 60	2164	20811	92.2,92.2
70	82.10	83.73	74.13	65.17	52.07	55.46	61.73	70.16	60- 70	1074	21885	97,97
80	24.54	17.81	17.44	11.63	11.52	9.834	15.94	13.83	70- 80	419.4	22305	98.8,98.8
90	0.9018	0.9874	0.7594	0.9310	0.8059	1.046	0.8344	1.043	80- 90	45.32	22350	99,99
100	0.9580	0.9824	1.047	1.125	1.227	1.218	1.145	1.047	90-100	10.36	22360	99.1,99.1
110	1.693	1.677	1.825	1.914	2.125	2.089	2.010	1.820	100-110	15.49	22376	99.1,99.1
120	2.726	2.657	2.884	2.949	3.315	3.229	3.178	2.885	110-120	23.90	22400	99.2,99.2
130	3.956	3.792	4.107	4.098	4.676	4.485	4.528	4.124	120-130	32.10	22432	99.4,99.4
140	5.118	5.035	5.194	5.318	5.903	5.777	5.795	5.448	130-140	37.33	22469	99.6,99.6
150	6.119	6.163	6.184	6.401	6.950	6.997	6.813	6.675	140-150	37.62	22507	99.7,99.7
160	7.234	7.199	7.319	7.424	8.048	7.994	7.894	7.706	150-160	32.51	22539	99.9,99.9
170	8.417	8.316	8.466	8.479	8.953	8.851	8.862	8.662	160-170	22.91	22562	100,100
180	9.208	9.099	9.182	9.091	9.201	9.090	9.188	9.100	170-180	8.457	22571	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

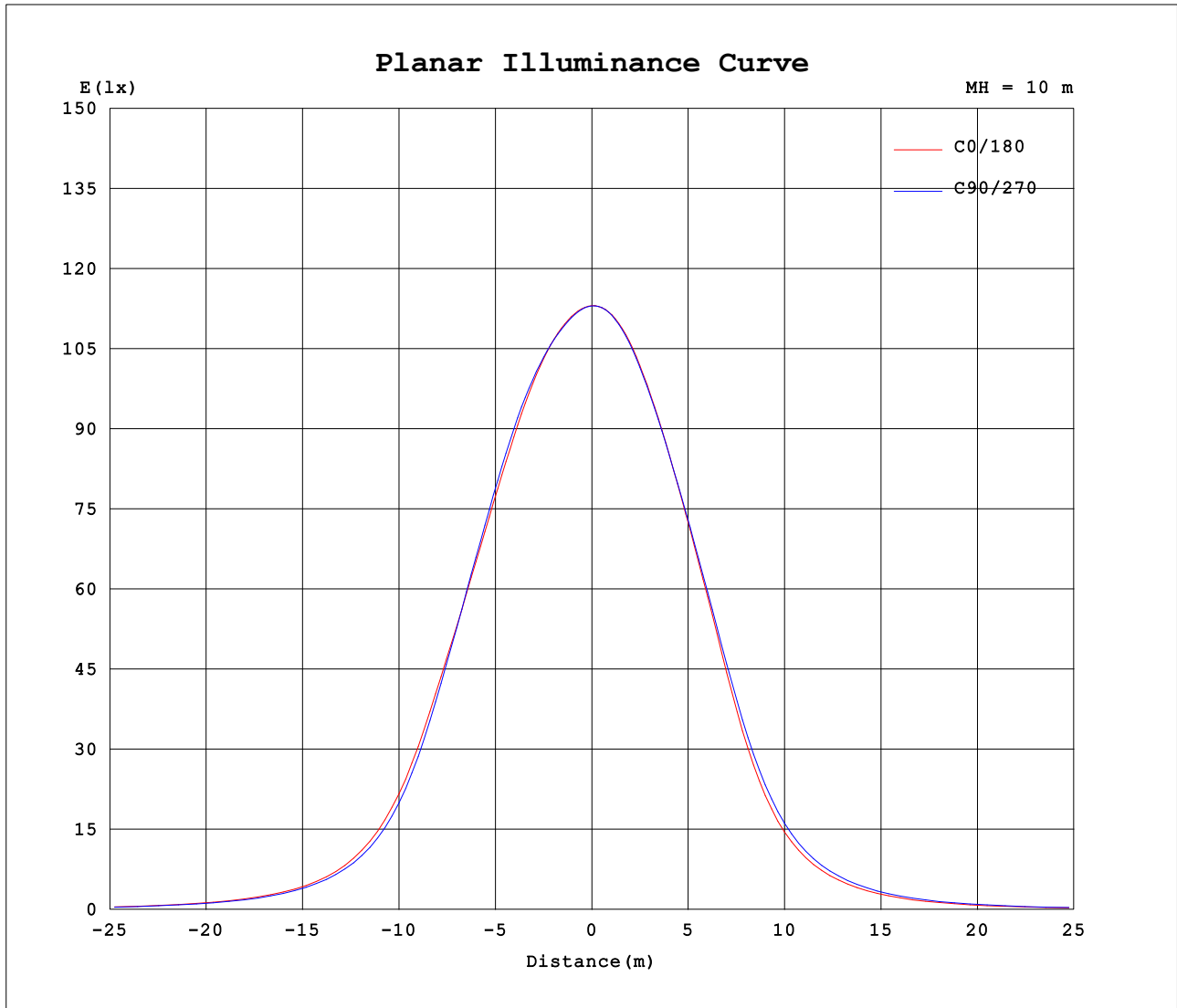
Test:U:122.1V I:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-BK-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.23m	Shielding Angle:



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



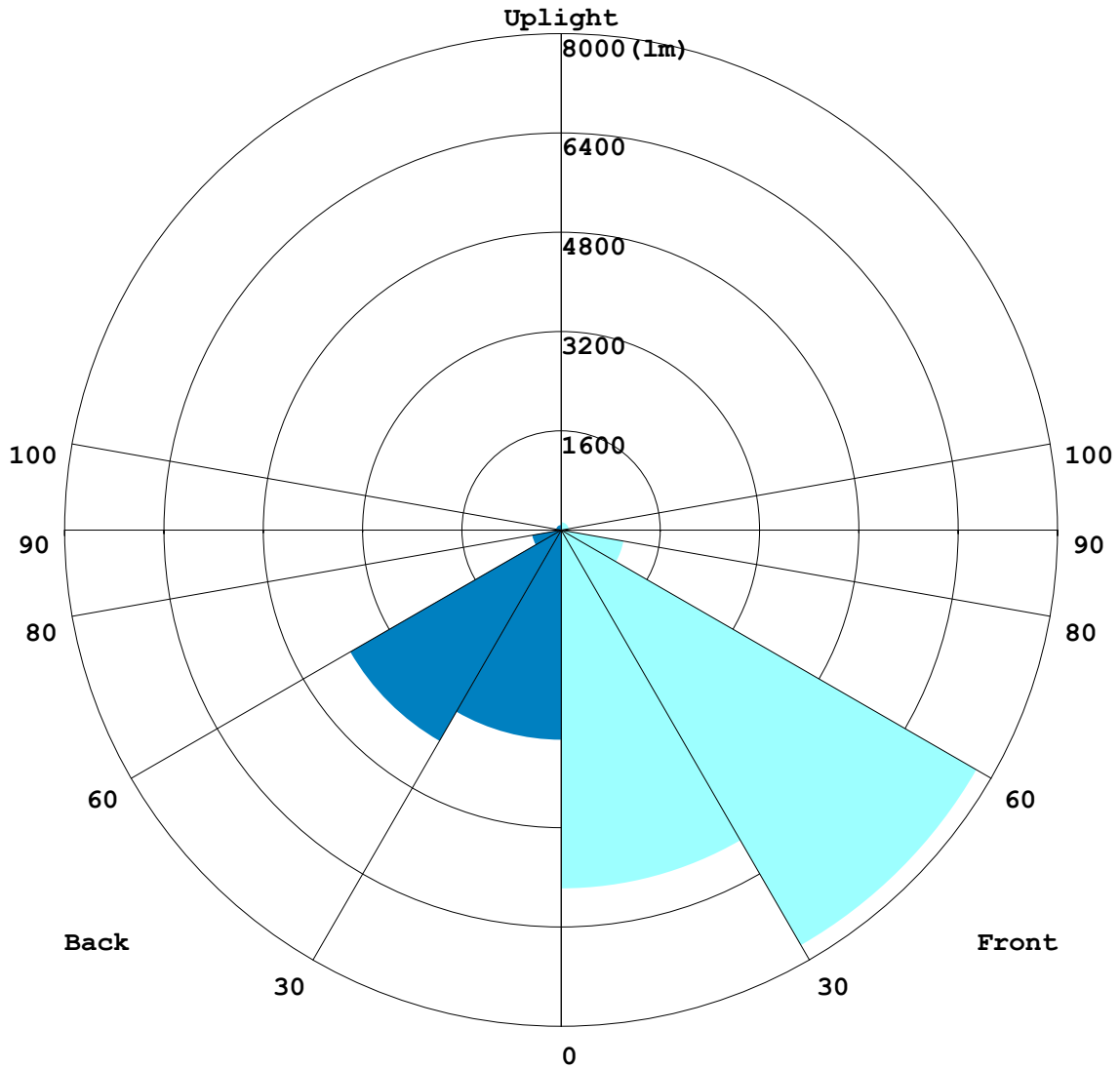
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Marvin Ma
 Test Date: 2022-08-30

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:122.1V I:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-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:122.1V I:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-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)	5776.2	25.6
FM - Front-Medium(30-60)	7728.5	34.2
FH - Front-High(60-80)	1020.1	4.5
FVH - Front-Very High(80-90)	33.927	0.2
Total Forward Light	14693	65.1

BL - Back-Low(0-30)	3381.9	15.0
BM - Back-Medium(30-60)	3924.7	17.4
BH - Back-High(60-80)	473.31	2.1
BVH - Back-Very High(80-90)	11.396	0.1
Total Back Light	7877.7	34.9

UL - Uplight-Low(90-100)	10.362	0.0
UH - Uplight-High(100-180)	210.31	0.9
Total Up Light	220.67	1.0

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7791.3	86.479	7877.7
Street Side	14559	134.19	14693

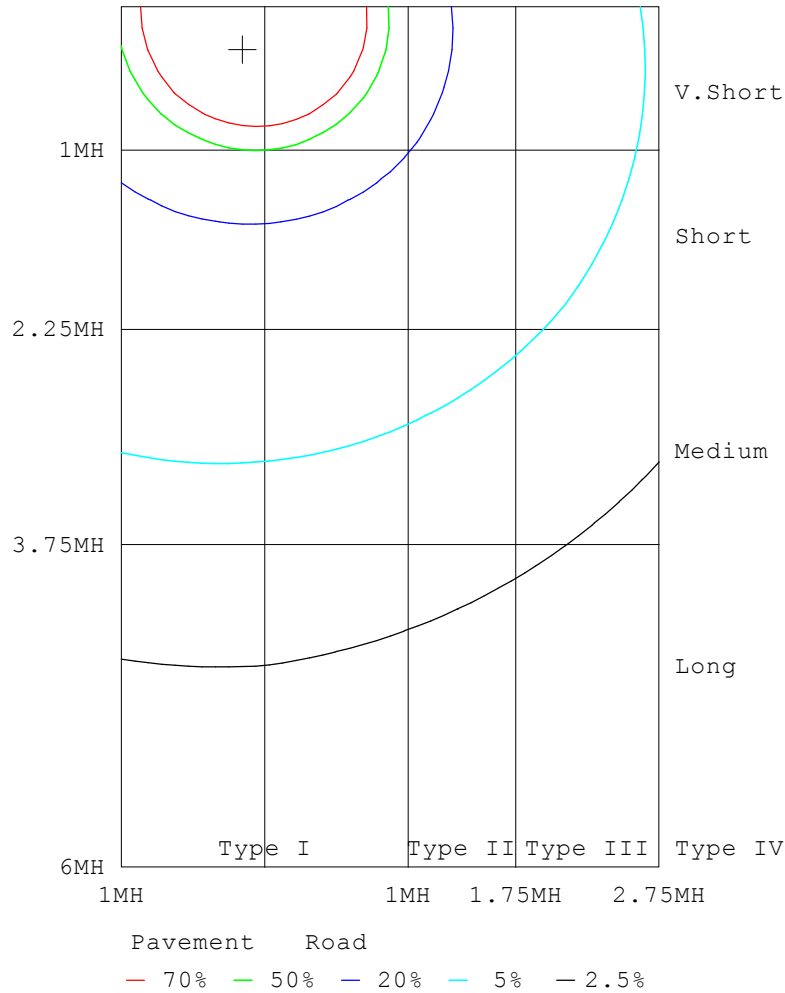
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Marvin Ma
 Test Date:2022-08-30

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:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-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:122.1V I:1.163A P:141.7W PF:0.9979 Freq:59.97Hz Lamp Flux:22570.7x1 lm		
NAME: ASD-UHB3-150DAC-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	1131	1131	1130	1131	1131	1131	1130	1131											
5	1129	1127	1127	1131	1132	1132	1131	1132											
10	1130	1126	1128	1132	1127	1124	1125	1128											
15	1129	1131	1133	1127	1111	1105	1108	1117											
20	1119	1135	1134	1111	1081	1074	1079	1093											
25	1093	1121	1114	1074	1033	1026	1037	1056											
30	1047	1077	1062	1009	952	943	964	996											
35	966	991	962	897	807	800	837	891											
40	825	836	788	709	602	604	647	715											
45	614	619	566	501	412	419	457	516											
50	419	425	382	339	277	286	313	352											
55	280	287	259	231	188	196	216	241											
60	190	194	175	155	125	131	145	163											
65	126	129	116	103	82.7	87.0	96.3	109											
70	82.1	83.7	74.1	65.2	52.1	55.5	61.7	70.2											
75	49.5	48.3	41.8	35.7	28.7	31.2	36.1	39.9											
80	24.5	17.8	17.4	11.6	11.5	9.83	15.9	13.8											
85	5.00	1.92	1.89	1.34	1.10	1.42	2.31	1.88											
90	0.90	0.99	0.76	0.93	0.81	1.05	0.83	1.04											
95	0.84	0.96	0.80	0.96	0.91	1.03	0.88	1.02											
100	0.96	0.98	1.05	1.12	1.23	1.22	1.14	1.05											
105	1.28	1.29	1.39	1.48	1.64	1.62	1.54	1.39											
110	1.69	1.68	1.83	1.91	2.12	2.09	2.01	1.82											
115	2.18	2.14	2.33	2.40	2.68	2.62	2.56	2.31											
120	2.73	2.66	2.88	2.95	3.31	3.23	3.18	2.89											
125	3.32	3.21	3.49	3.51	3.97	3.84	3.84	3.48											
130	3.96	3.79	4.11	4.10	4.68	4.48	4.53	4.12											
135	4.58	4.38	4.67	4.67	5.32	5.12	5.22	4.77											
140	5.12	5.04	5.19	5.32	5.90	5.78	5.80	5.45											
145	5.63	5.65	5.69	5.91	6.42	6.46	6.31	6.11											
150	6.12	6.16	6.18	6.40	6.95	7.00	6.81	6.67											
155	6.65	6.66	6.72	6.88	7.49	7.48	7.33	7.15											
160	7.23	7.20	7.32	7.42	8.05	7.99	7.89	7.71											
165	7.85	7.77	7.92	7.97	8.56	8.48	8.43	8.22											
170	8.42	8.32	8.47	8.48	8.95	8.85	8.86	8.66											
175	8.89	8.79	8.91	8.87	9.17	9.07	9.13	8.98											
180	9.21	9.10	9.18	9.09	9.20	9.09	9.19	9.10											

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%
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 Remarks: