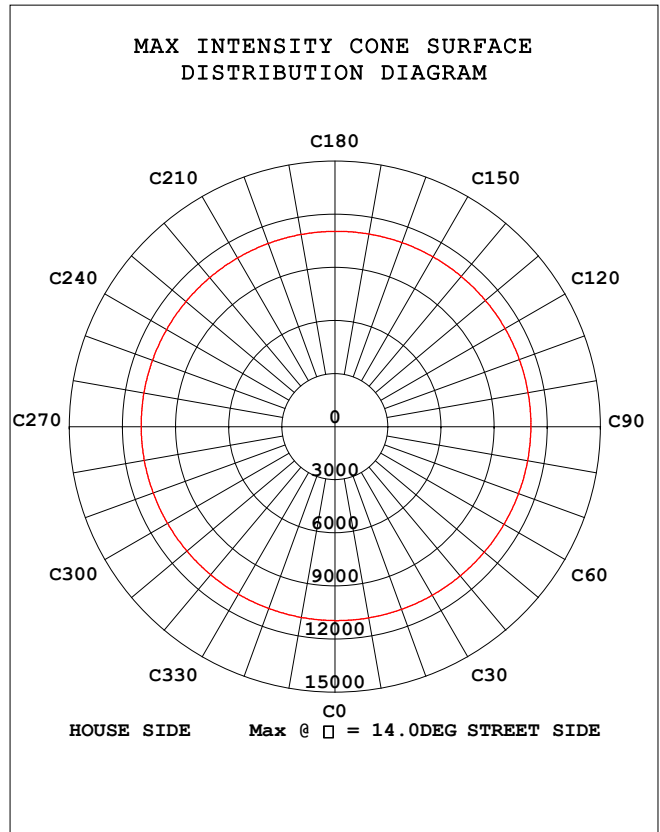
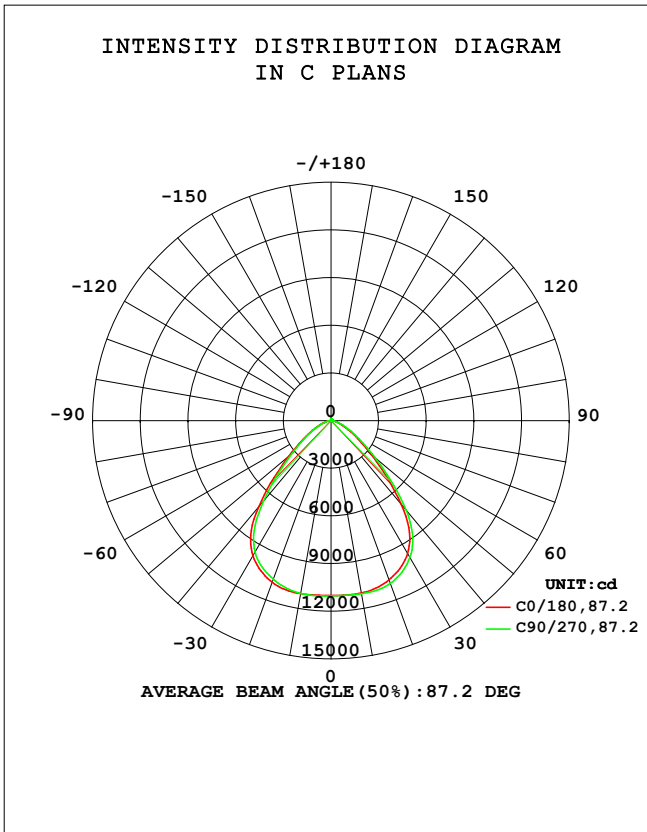


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.44 lm/W			
MODEL		I _{max} (cd)	11100	<input type="checkbox"/> street_up (%)	0.5
NOMINAL POWER (W)	150	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	50.5
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	22047	<input type="checkbox"/> house_up (%)	0.5
NOMINAL FLUX (lm)	22046.7	MAXIMUM @ (C, <input type="checkbox"/>)	135,14.0	<input type="checkbox"/> house_down (%)	48.5
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	1.0	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	<input type="checkbox"/> down (%)	99.0	SLI	20.998

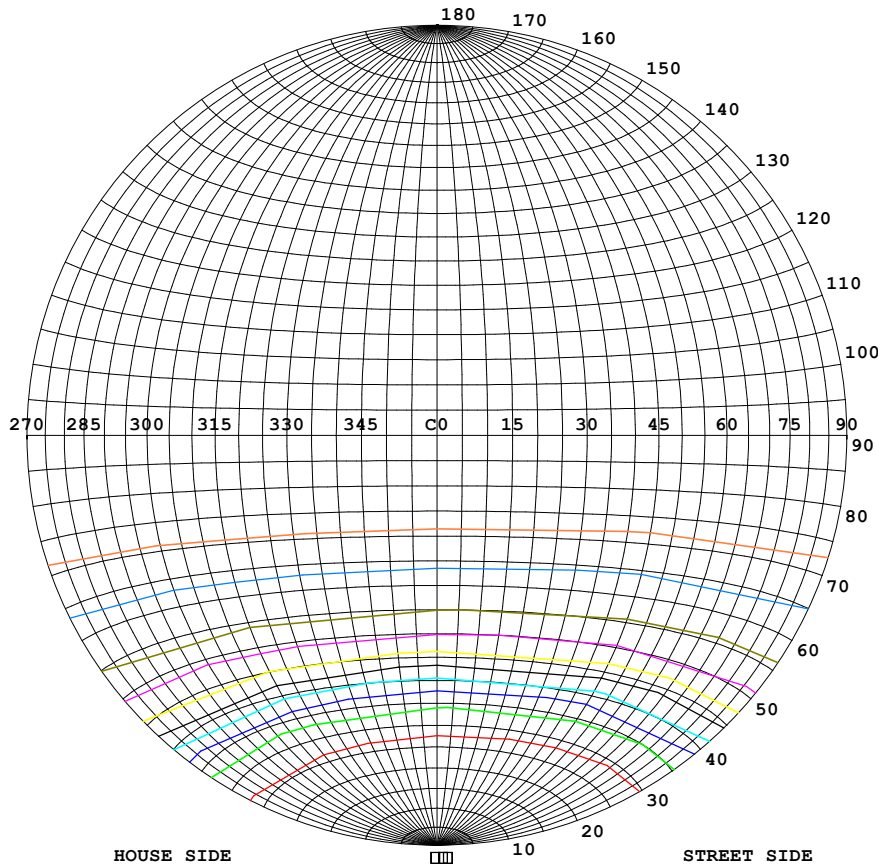


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: lianghaizhu
Test Date: 2023-03-10

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:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:



Classification:

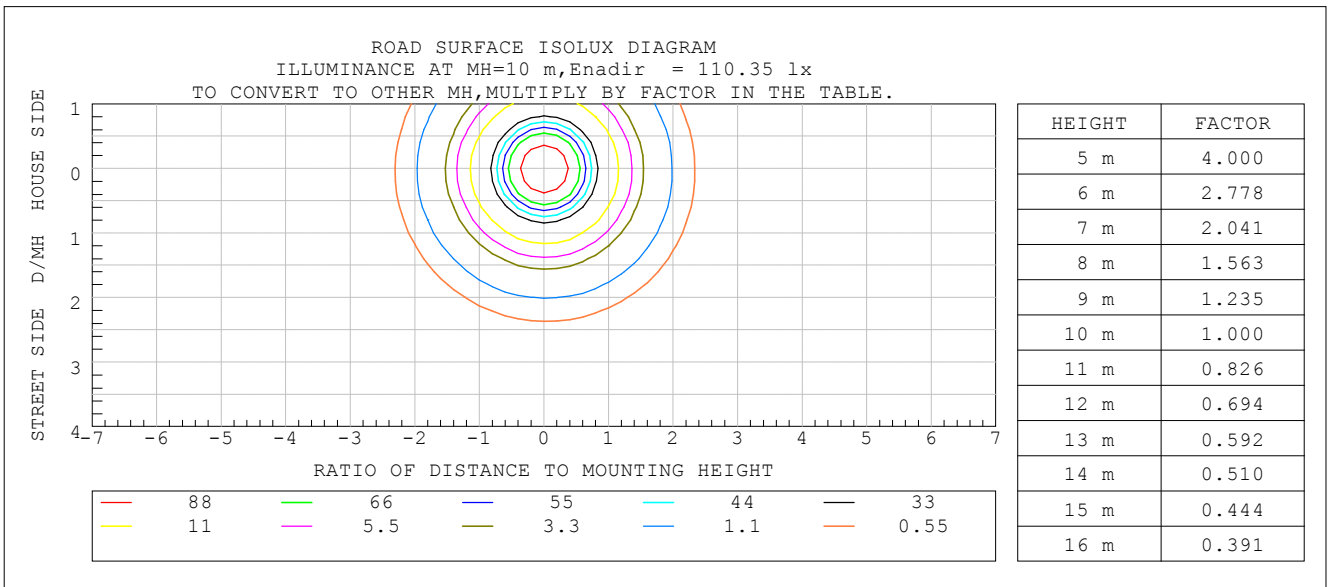
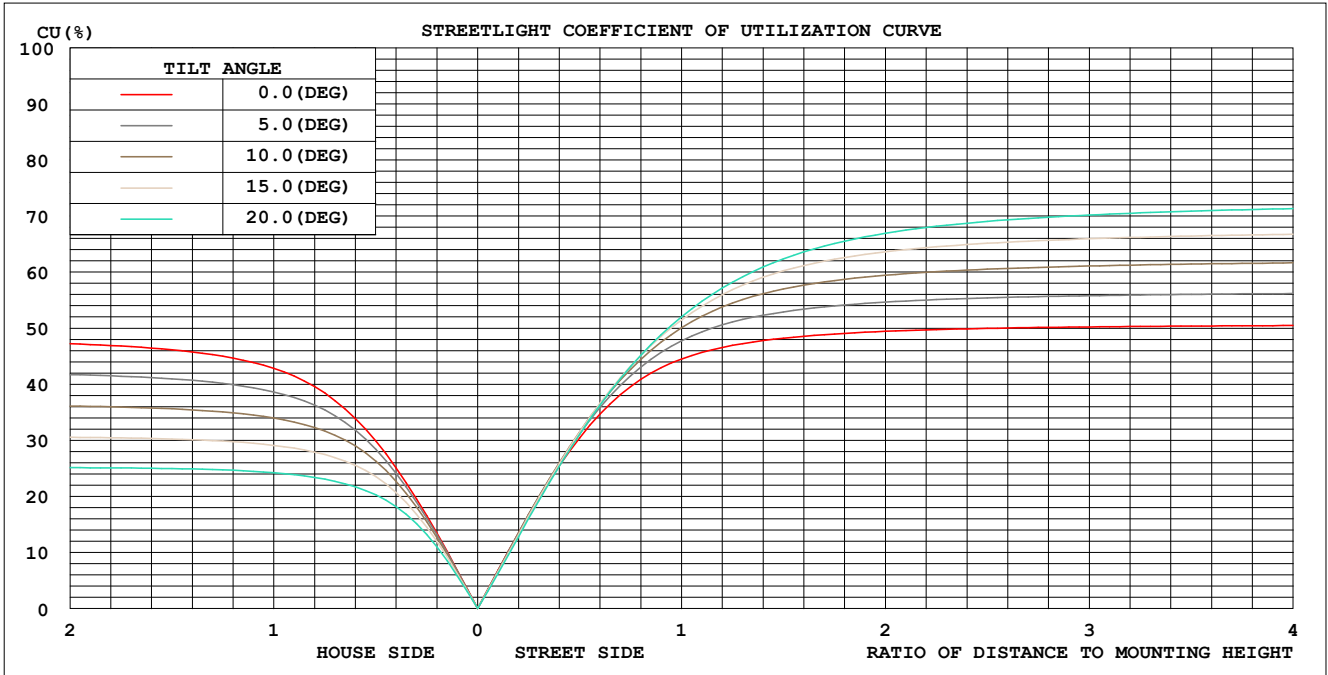
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:10.99cd/klm
 Max.At90:0.5778cd/klm
 Max.80-90:10.99cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	11100
90%	9990
80%	8880
70%	7770
60%	6660
50%	5550
40%	4440
30%	3330
20%	2220
10%	1110
5%	555

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:lianghaizhu
 Test Date:2023-03-10

□ 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: lianghaizhu
Test Date: 2023-03-10

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:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

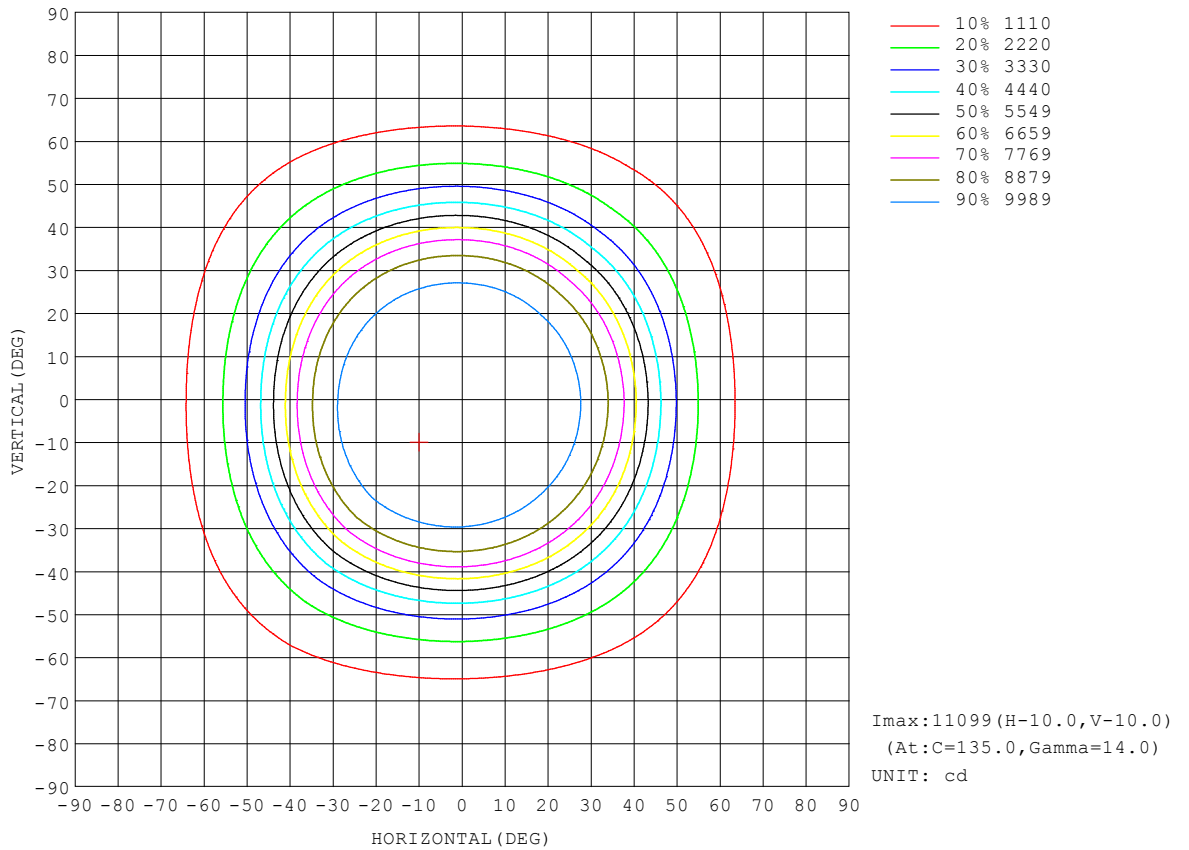
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1102	1105	1106	1108	1106	1106	1104	1103	0- 10	1054	1054	4.78,4.78
20	1067	1077	1090	1099	1083	1072	1062	1059	10- 20	3101	4155	18.8,18.8
30	965.3	974.5	994.0	1008	982.6	969.5	956.5	948.3	20- 30	4768	8923	40.5,40.5
40	686.3	704.6	736.1	761.5	710.4	691.3	662.3	638.2	30- 40	5364	14287	64.8,64.8
50	327.6	343.8	361.6	377.6	344.8	337.0	320.4	301.9	40- 50	3886	18173	82.4,82.4
60	147.7	156.4	166.0	172.5	155.7	153.8	147.5	138.7	50- 60	2098	20271	91.9,91.9
70	63.26	67.74	71.74	75.39	67.15	66.27	63.72	59.36	60- 70	1043	21314	96.7,96.7
80	19.57	20.46	21.75	24.23	20.32	20.47	19.57	17.35	70- 80	435.4	21749	98.7,98.7
90	1.262	1.274	1.187	1.104	0.7301	1.041	1.051	1.153	80- 90	86.64	21836	99,99
100	1.096	1.075	1.044	0.9956	1.009	1.030	1.074	1.109	90-100	10.20	21846	99.1,99.1
110	1.904	1.842	1.823	1.720	1.778	1.791	1.883	1.913	100-110	14.97	21861	99.2,99.2
120	2.960	2.846	2.863	2.697	2.810	2.788	2.941	2.943	110-120	23.04	21884	99.3,99.3
130	4.181	3.984	4.068	3.818	4.016	3.947	4.167	4.122	120-130	30.78	21915	99.4,99.4
140	5.281	5.109	5.156	4.936	5.187	5.105	5.315	5.274	130-140	35.65	21950	99.6,99.6
150	6.183	6.212	6.089	6.027	6.156	6.279	6.306	6.409	140-150	35.74	21986	99.7,99.7
160	7.198	7.132	7.122	6.983	7.220	7.263	7.350	7.375	150-160	30.85	22017	99.9,99.9
170	8.184	8.064	8.128	7.985	8.215	8.171	8.311	8.272	160-170	21.71	22039	100,100
180	8.693	8.597	8.712	8.616	8.687	8.616	8.714	8.624	170-180	8.006	22047	100,100
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lianghaizhu
Test Date:2023-03-10

□ 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

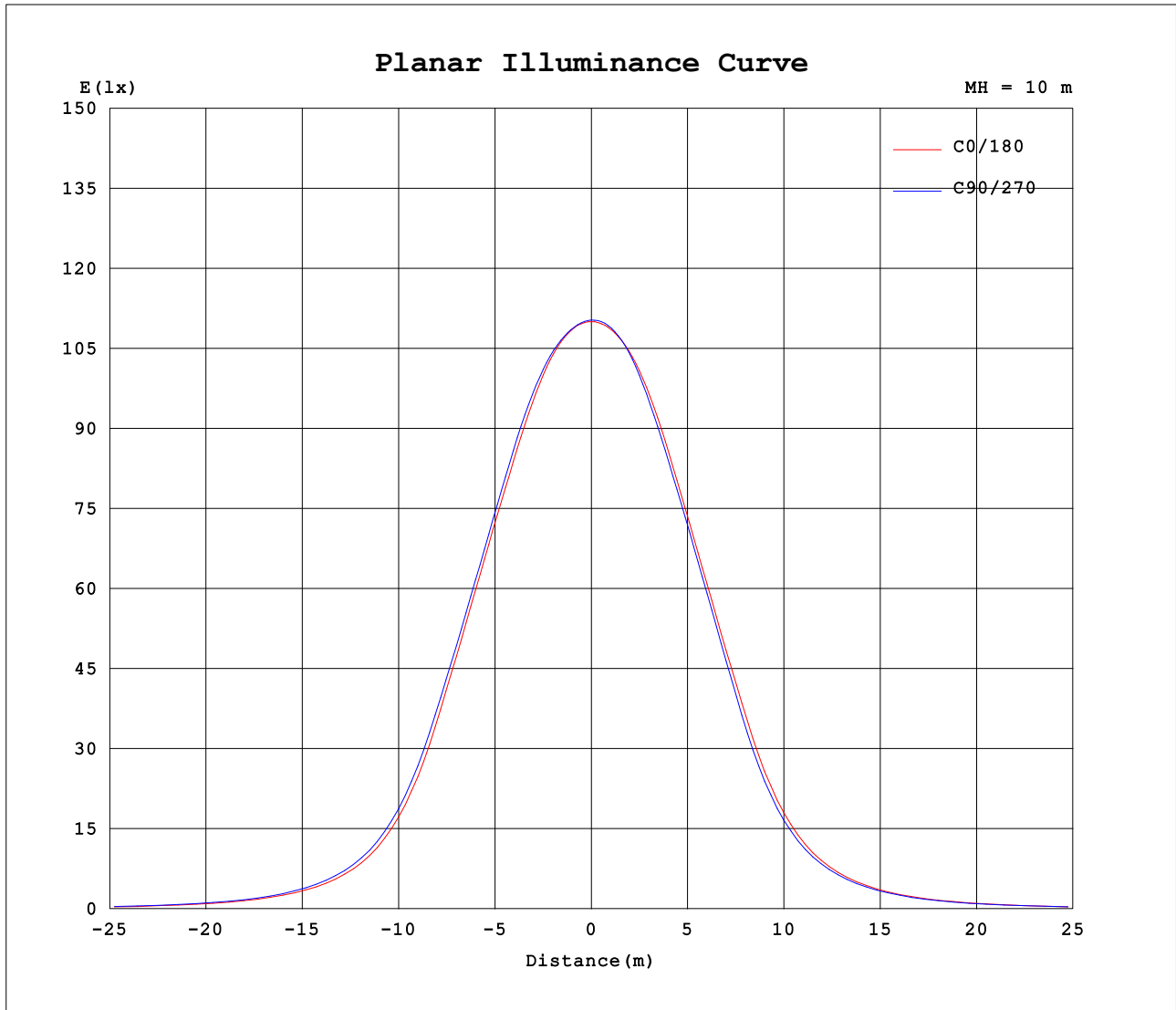
Test:U:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:lianghaizhu
 Test Date:2023-03-10

□ 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



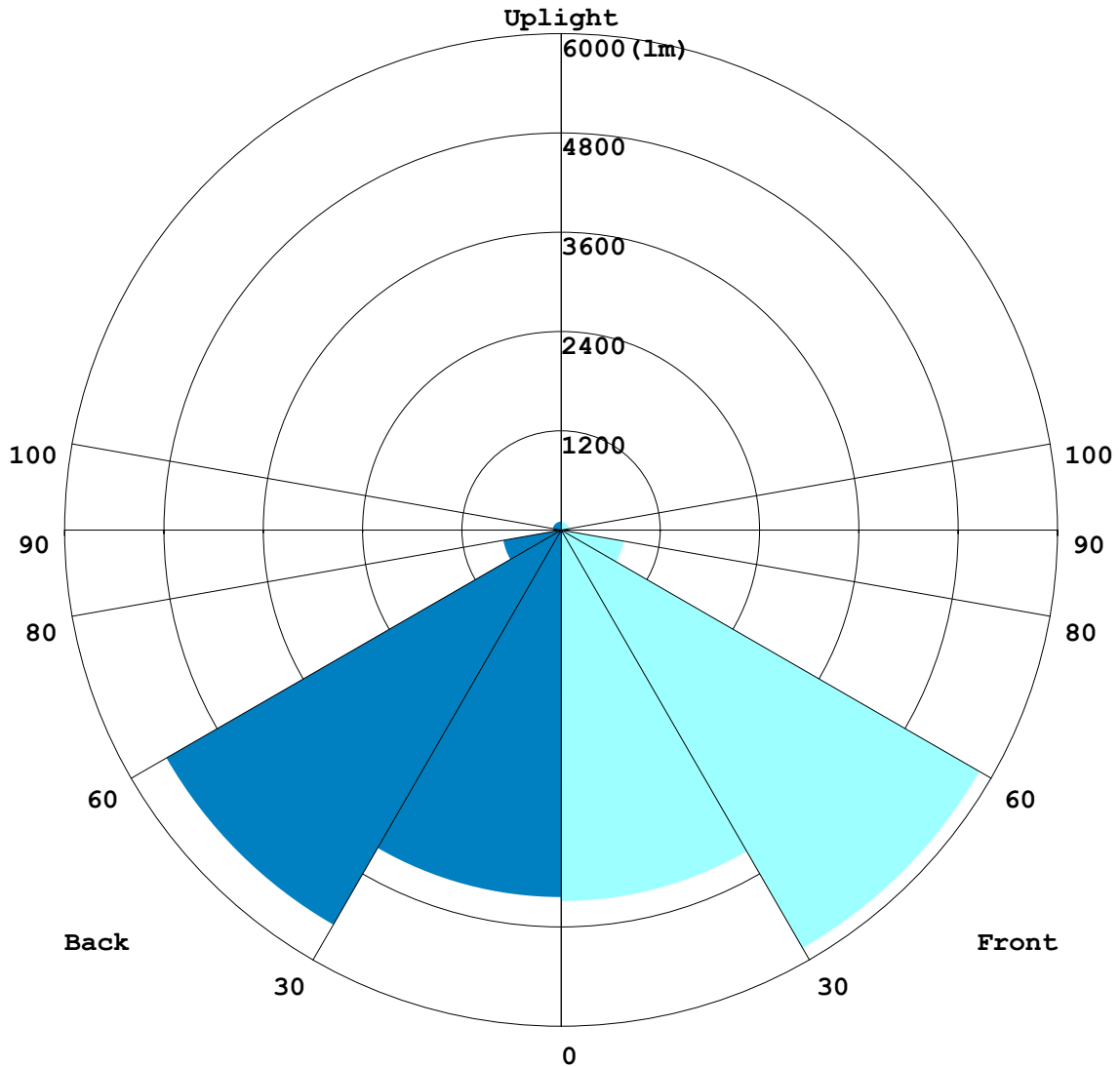
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: lianghaizhu
 Test Date: 2023-03-10

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:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:lianghaizhu
 Test Date:2023-03-10

□ 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:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4487.5	20.4
FM - Front-Medium(30-60)	5839.2	26.5
FH - Front-High(60-80)	768.14	3.5
FVH - Front-Very High(80-90)	46.535	0.2
Total Forward Light	11246	51.0

BL - Back-Low(0-30)	4436	20.1
BM - Back-Medium(30-60)	5508.4	25.0
BH - Back-High(60-80)	709.89	3.2
BVH - Back-Very High(80-90)	40.105	0.2
Total Back Light	10801	49.0

UL - Uplight-Low(90-100)	10.2	0.0
UH - Uplight-High(100-180)	200.75	0.9
Total Up Light	210.95	1.0

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10694	106.17	10801
Street Side	11141	104.78	11246

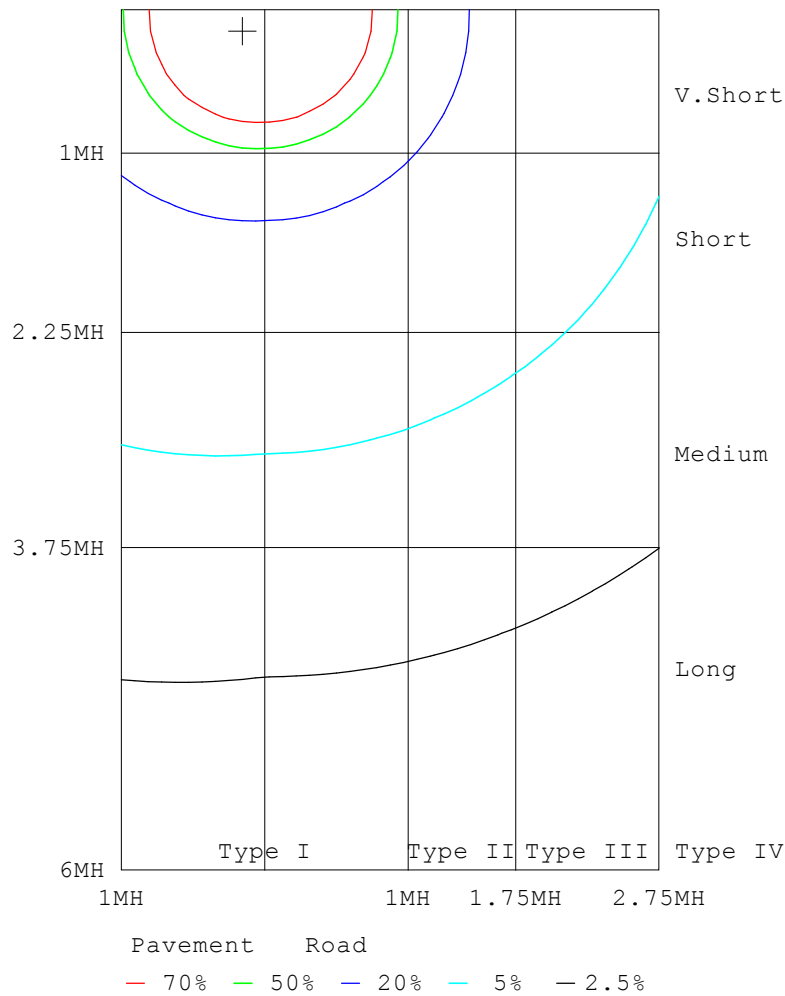
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lianghaizhu
Test Date:2023-03-10

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:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:lianghaizhu
 Test Date:2023-03-10

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:121.4V I:1.171A P:142.8W PF:0.9979 Freq:59.98Hz Lamp Flux:22046.7x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	1100	1102	1103	1104	1100	1102	1103	1104											
5	1102	1103	1103	1104	1102	1105	1106	1106											
10	1102	1105	1106	1108	1106	1106	1104	1103											
15	1092	1099	1106	1110	1102	1097	1091	1088											
20	1067	1077	1090	1099	1083	1072	1062	1059											
25	1027	1036	1054	1066	1044	1031	1021	1017											
30	965	974	994	1008	983	969	956	948											
35	862	873	898	917	882	867	846	831											
40	686	705	736	762	710	691	662	638											
45	488	506	532	555	510	497	470	446											
50	328	344	362	378	345	337	320	302											
55	220	233	245	255	233	228	219	206											
60	148	156	166	172	156	154	147	139											
65	97.7	104	111	115	104	102	98.2	92.1											
70	63.3	67.7	71.7	75.4	67.2	66.3	63.7	59.4											
75	38.2	40.4	42.8	46.1	40.2	40.0	38.3	35.3											
80	19.6	20.5	21.7	24.2	20.3	20.5	19.6	17.4											
85	6.56	6.55	7.27	8.82	6.34	6.78	6.14	4.72											
90	1.26	1.27	1.19	1.10	0.73	1.04	1.05	1.15											
95	0.90	0.93	0.79	0.90	0.76	0.91	0.80	0.90											
100	1.10	1.08	1.04	1.00	1.01	1.03	1.07	1.11											
105	1.46	1.42	1.39	1.32	1.35	1.37	1.44	1.48											
110	1.90	1.84	1.82	1.72	1.78	1.79	1.88	1.91											
115	2.41	2.32	2.32	2.18	2.27	2.27	2.39	2.41											
120	2.96	2.85	2.86	2.70	2.81	2.79	2.94	2.94											
125	3.57	3.42	3.46	3.26	3.40	3.37	3.54	3.53											
130	4.18	3.98	4.07	3.82	4.02	3.95	4.17	4.12											
135	4.78	4.55	4.66	4.38	4.63	4.53	4.79	4.71											
140	5.28	5.11	5.16	4.94	5.19	5.11	5.31	5.27											
145	5.74	5.73	5.63	5.55	5.68	5.73	5.82	5.92											
150	6.18	6.21	6.09	6.03	6.16	6.28	6.31	6.41											
155	6.67	6.66	6.58	6.49	6.67	6.76	6.81	6.88											
160	7.20	7.13	7.12	6.98	7.22	7.26	7.35	7.38											
165	7.73	7.62	7.66	7.50	7.76	7.74	7.88	7.87											
170	8.18	8.06	8.13	7.99	8.22	8.17	8.31	8.27											
175	8.53	8.41	8.50	8.38	8.53	8.48	8.60	8.54											
180	8.69	8.60	8.71	8.62	8.69	8.62	8.71	8.62											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:lianghaizhu
 Test Date:2023-03-10

□ 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: