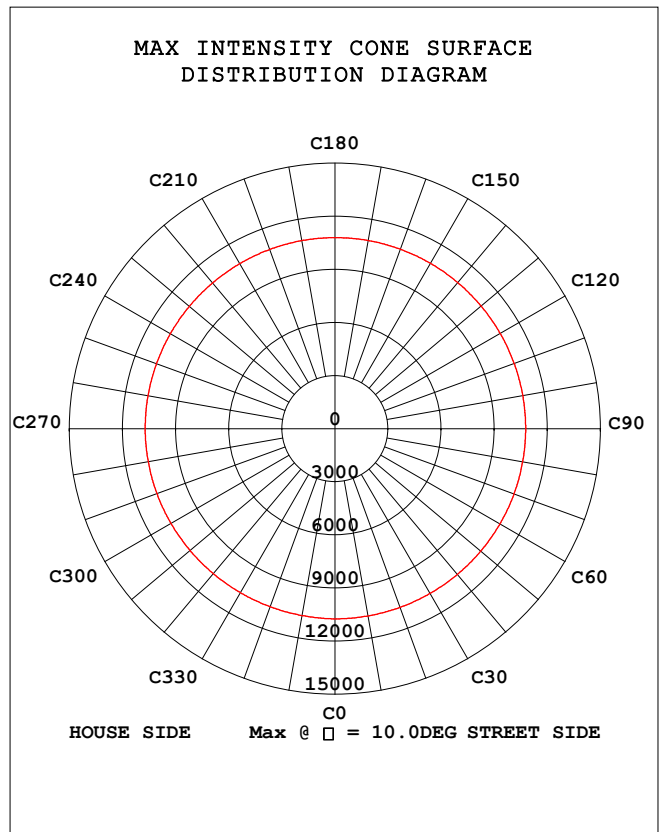
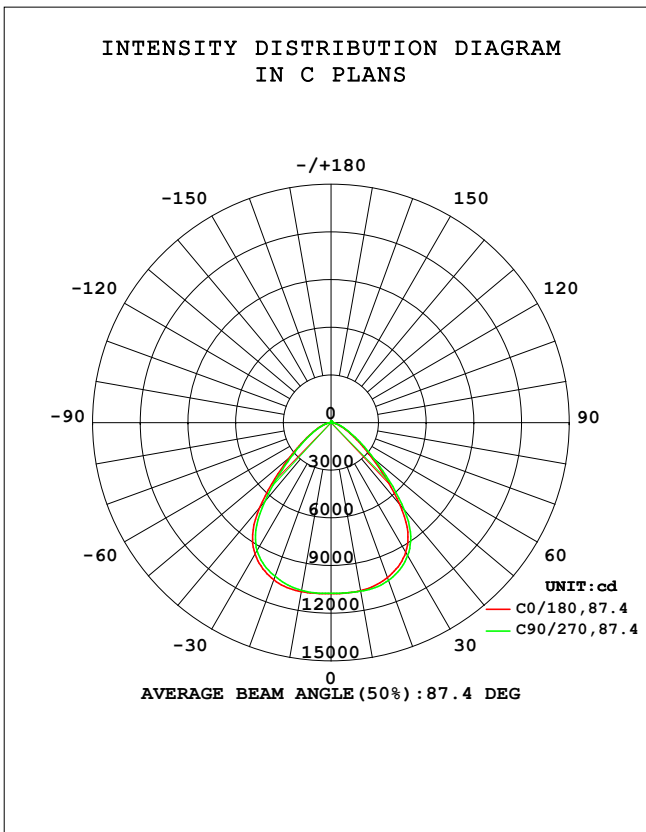


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.96 lm/W			
MODEL		I _{max} (cd)	10799	<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)	21521	<input type="checkbox"/> house_up (%)	0.5
NOMINAL FLUX (lm)	21521.5	MAXIMUM @ (C, <input type="checkbox"/>)	180,10.0	<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	20.962

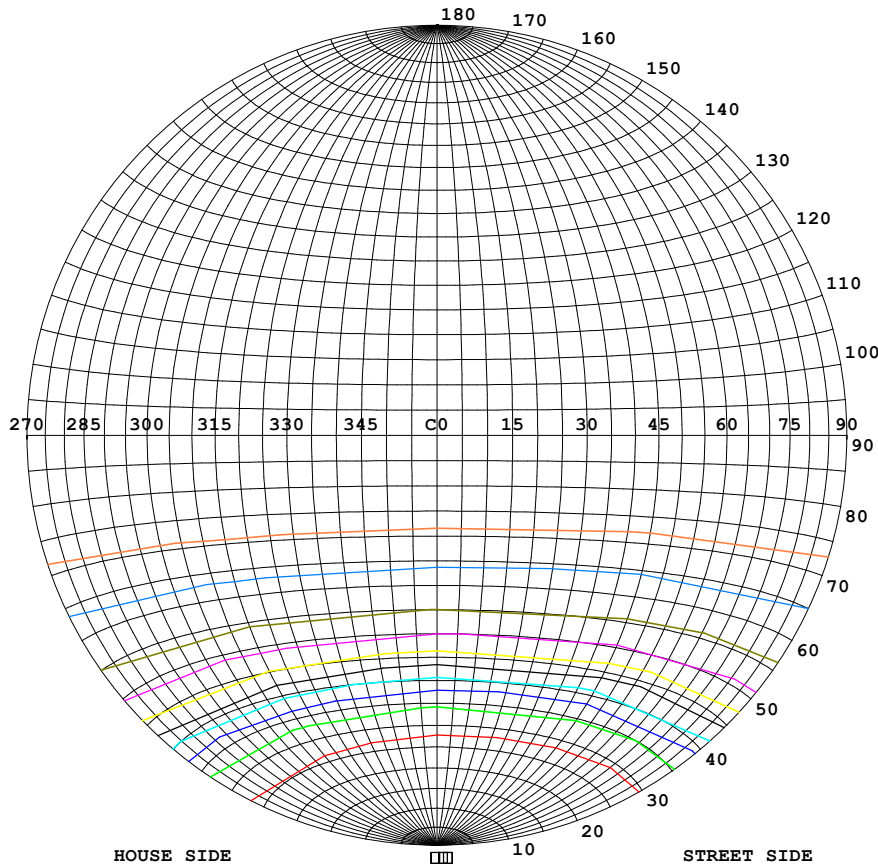


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: lianghaizhu
 Test Date: 2023-03-10

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:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:



Classification:

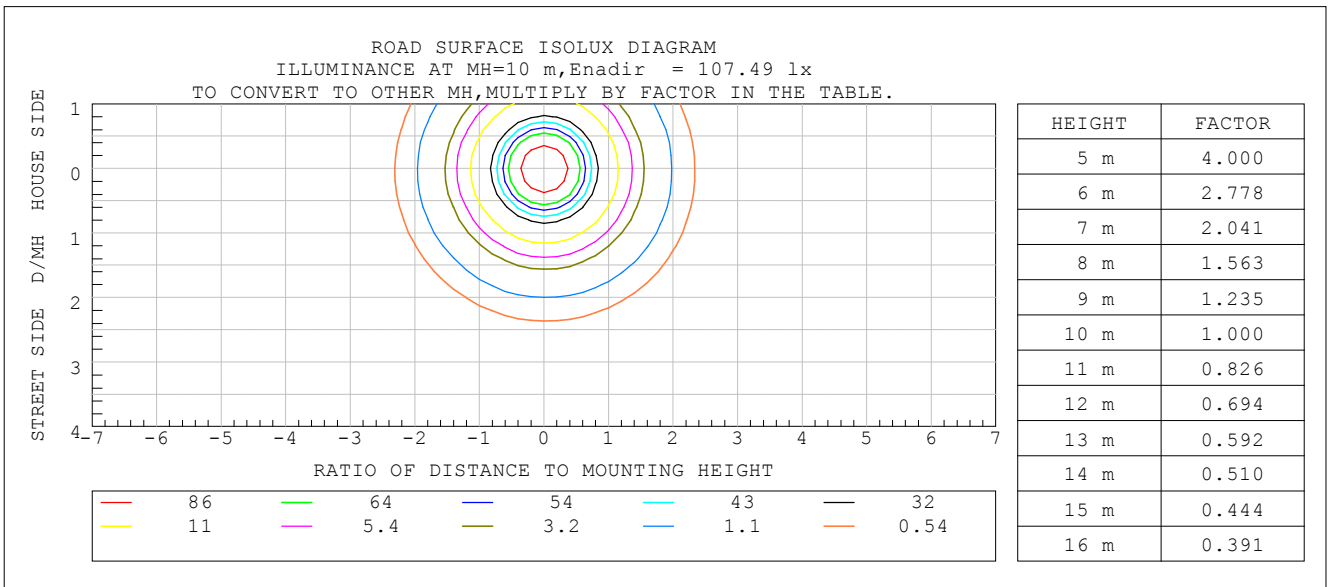
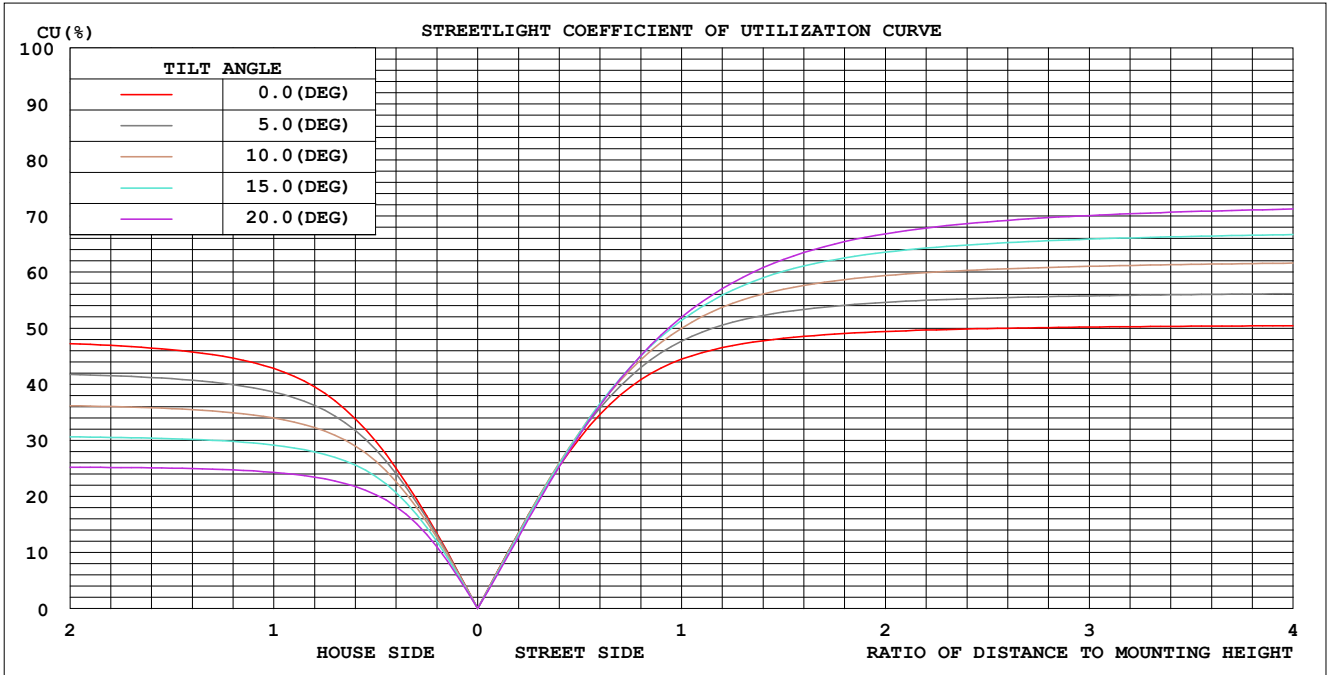
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:11.15cd/klm
 Max.At90:0.5824cd/klm
 Max.80-90:11.15cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10799
90%	9719
80%	8639
70%	7559
60%	6479
50%	5399
40%	4320
30%	3240
20%	2160
10%	1080
5%	540

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:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:

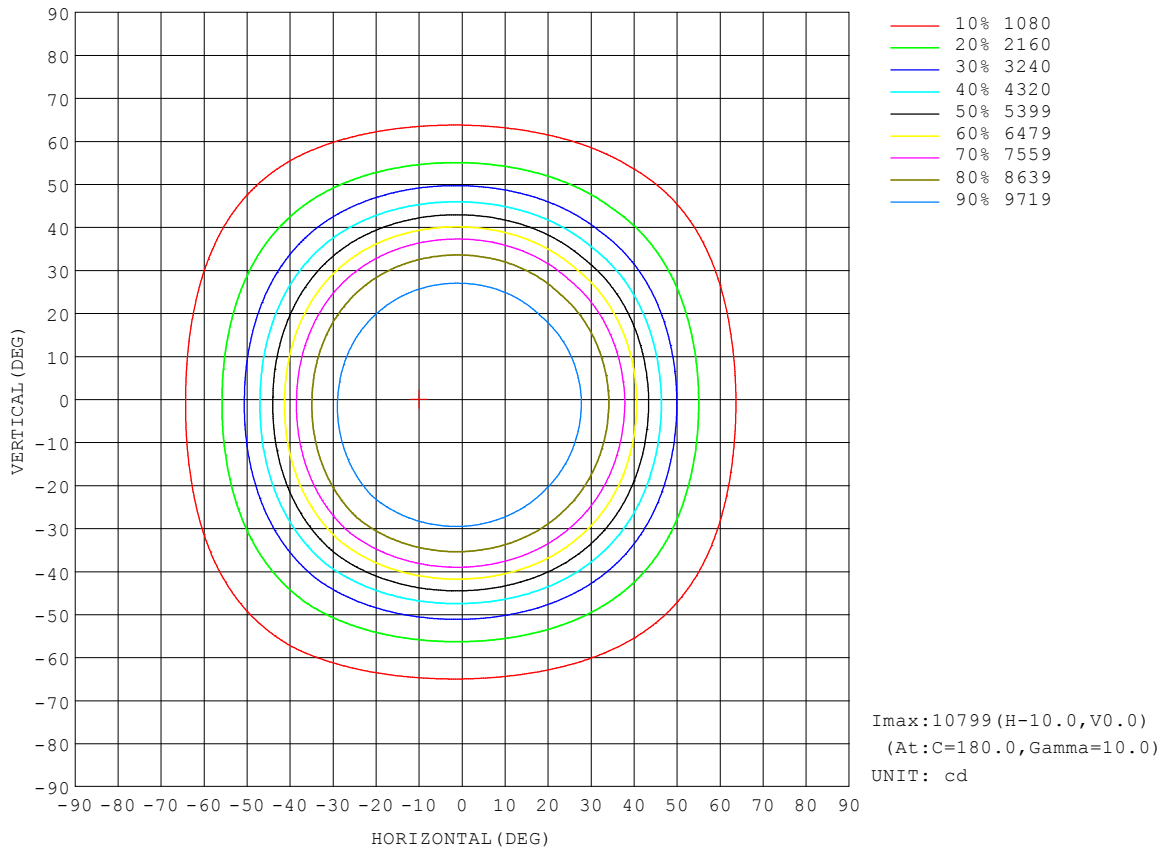
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	1074	1075	1077	1078	1080	1075	1072	1069	0- 10	1027	1027	4.77,4.77
20	1038	1045	1058	1065	1053	1039	1030	1026	10- 20	3012	4039	18.8,18.8
30	941.6	948.6	965.9	976.6	957.1	943.1	931.3	921.7	20- 30	4631	8670	40.3,40.3
40	673.5	689.9	719.7	744.7	698.9	678.9	650.6	624.4	30- 40	5235	13905	64.6,64.6
50	322.2	336.3	354.1	370.7	340.2	332.0	315.3	295.5	40- 50	3813	17718	82.3,82.3
60	145.6	153.1	161.9	169.0	153.6	151.9	145.8	136.3	50- 60	2061	19779	91.9,91.9
70	62.43	65.77	70.11	74.02	65.83	65.60	62.91	58.13	60- 70	1024	20803	96.7,96.7
80	19.14	19.88	21.48	23.99	19.89	20.15	19.18	16.77	70- 80	427.3	21231	98.6,98.6
90	1.245	1.253	1.165	1.087	0.7227	1.026	1.043	1.135	80- 90	85.11	21316	99,99
100	1.077	1.056	1.023	0.9733	0.9909	1.006	1.049	1.084	90-100	10.01	21326	99.1,99.1
110	1.866	1.805	1.785	1.679	1.742	1.746	1.835	1.867	100-110	14.65	21341	99.2,99.2
120	2.898	2.785	2.798	2.627	2.747	2.717	2.864	2.866	110-120	22.51	21363	99.3,99.3
130	4.087	3.891	3.970	3.715	3.924	3.843	4.059	4.010	120-130	30.04	21393	99.4,99.4
140	5.152	4.984	5.019	4.796	5.069	4.963	5.181	5.126	130-140	34.73	21428	99.6,99.6
150	6.029	6.057	5.920	5.866	6.001	6.105	6.115	6.212	140-150	34.78	21463	99.7,99.7
160	7.018	6.951	6.922	6.782	7.045	7.055	7.132	7.171	150-160	30.01	21493	99.9,99.9
170	7.978	7.857	7.886	7.745	8.015	7.942	8.068	8.027	160-170	21.11	21514	100,100
180	8.467	8.378	8.461	8.357	8.478	8.374	8.467	8.361	170-180	7.784	21521	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

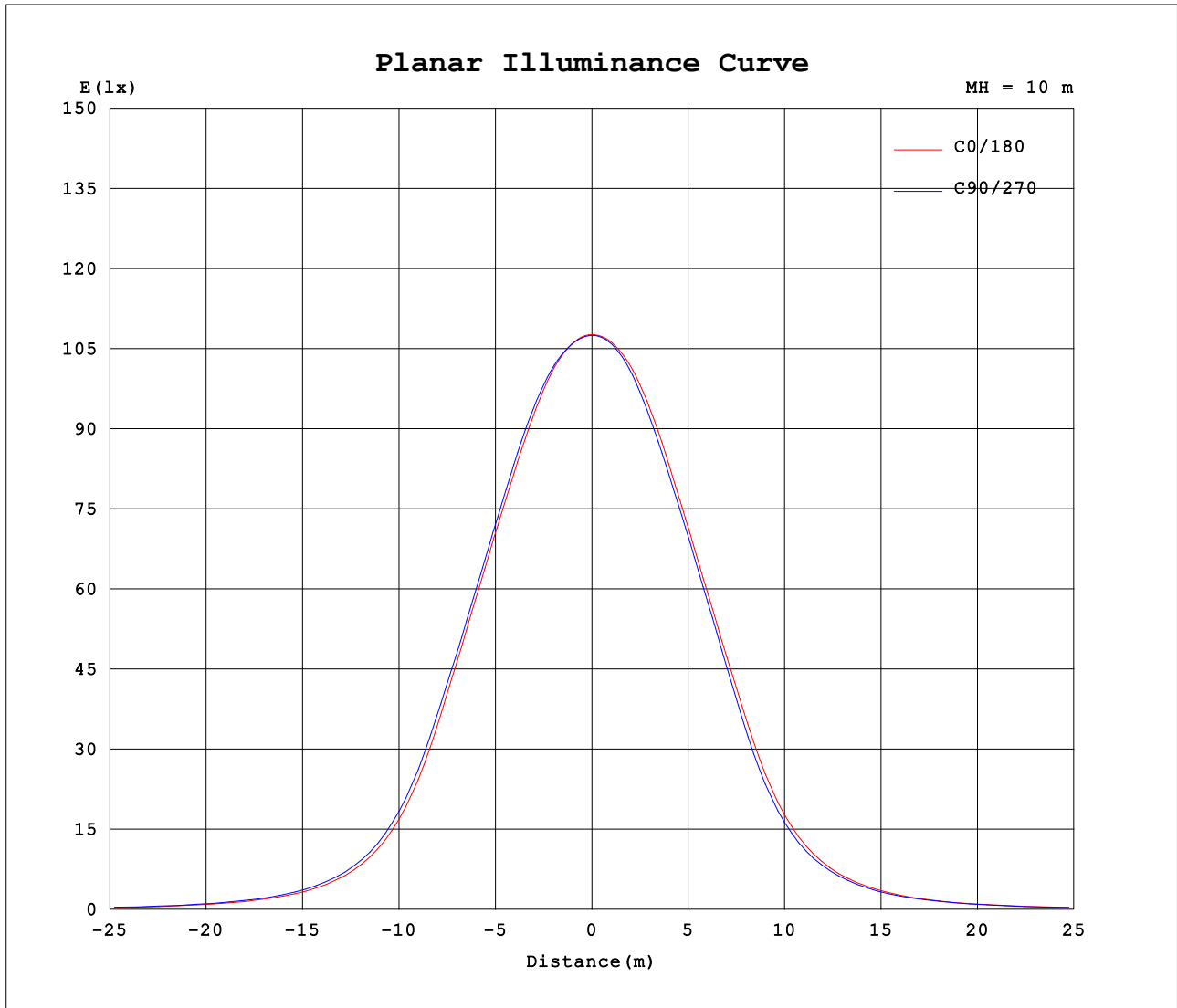
Test:U:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP.	SUR.:0.235*0.235m	Shielding Angle:



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



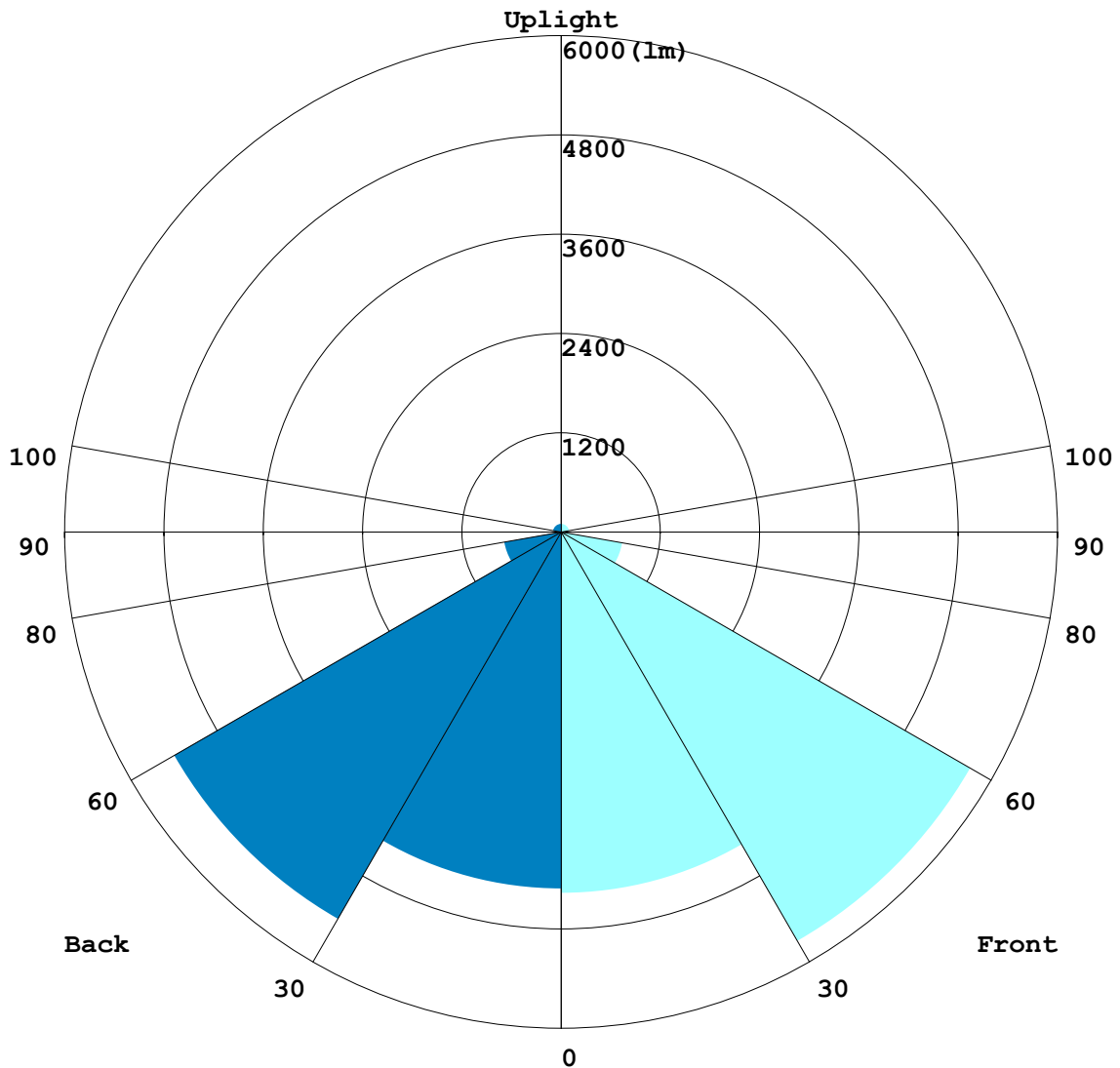
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: lianghaizhu
 Test Date: 2023-03-10

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:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	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:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	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)	4360.8	20.3
FM - Front-Medium(30-60)	5709.4	26.5
FH - Front-High(60-80)	752.77	3.5
FVH - Front-Very High(80-90)	45.803	0.2
Total Forward Light	10971	51.0

BL - Back-Low(0-30)	4309.1	20.0
BM - Back-Medium(30-60)	5399.7	25.1
BH - Back-High(60-80)	698.97	3.2
BVH - Back-Very High(80-90)	39.309	0.2
Total Back Light	10550	49.0

UL - Uplight-Low(90-100)	10.014	0.0
UH - Uplight-High(100-180)	195.62	0.9
Total Up Light	205.63	1.0

BUG(Back,Up,Glare) Rating	B4-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10447	103.42	10550
Street Side	10869	102.22	10971

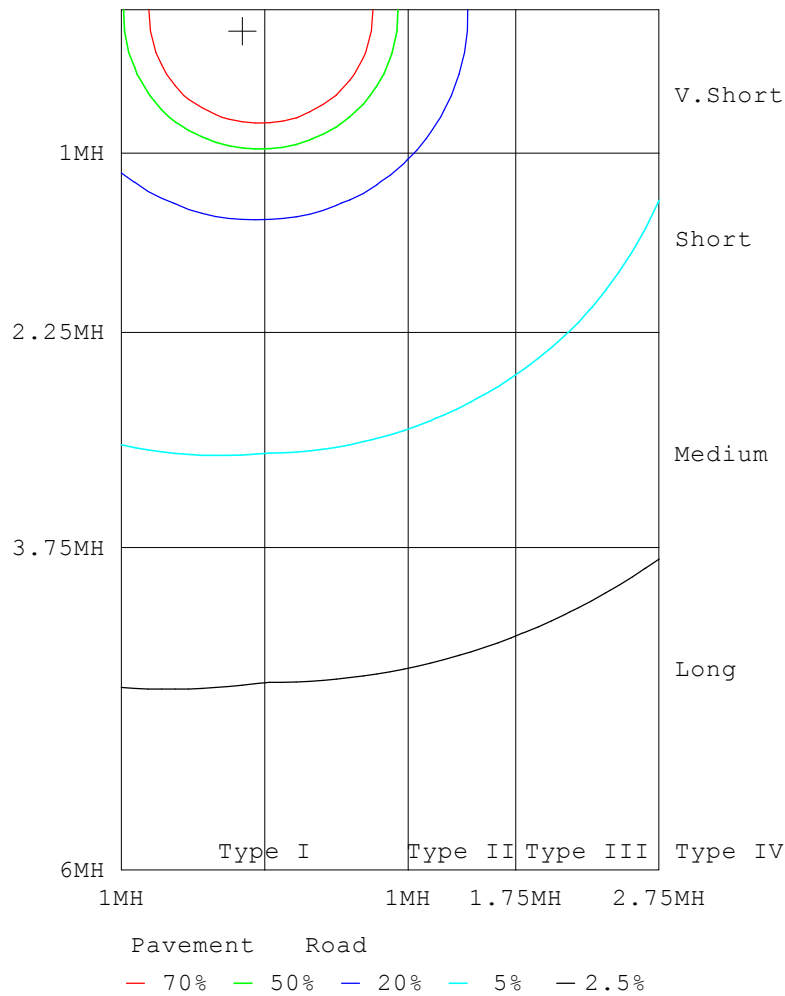
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lianghaizhu
Test Date:2023-03-10

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:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	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:121.3V I:1.218A P:147.4W PF:0.9978 Freq:59.98Hz Lamp Flux:21521.5x1 lm		
NAME: ASD-UHB3-150ADAC-BK-150W-5000K	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	1077	1075	1075	1075	1077	1075	1075	1075											
5	1076	1076	1075	1076	1078	1077	1076	1075											
10	1074	1075	1077	1078	1080	1075	1072	1069											
15	1062	1068	1074	1078	1074	1064	1057	1053											
20	1038	1045	1058	1065	1053	1039	1030	1026											
25	1000	1007	1022	1032	1015	1001	992	987											
30	942	949	966	977	957	943	931	922											
35	843	853	874	891	862	847	827	810											
40	674	690	720	745	699	679	651	624											
45	479	496	521	545	502	488	462	437											
50	322	336	354	371	340	332	315	295											
55	216	228	240	250	230	225	216	202											
60	146	153	162	169	154	152	146	136											
65	96.6	102	108	113	102	101	97.2	90.6											
70	62.4	65.8	70.1	74.0	65.8	65.6	62.9	58.1											
75	37.5	39.1	42.2	45.5	39.4	39.5	37.7	34.3											
80	19.1	19.9	21.5	24.0	19.9	20.2	19.2	16.8											
85	6.47	6.43	7.15	8.76	6.24	6.70	6.08	4.60											
90	1.25	1.25	1.17	1.09	0.72	1.03	1.04	1.14											
95	0.88	0.92	0.78	0.88	0.75	0.89	0.78	0.88											
100	1.08	1.06	1.02	0.97	0.99	1.01	1.05	1.08											
105	1.43	1.40	1.37	1.29	1.33	1.34	1.40	1.44											
110	1.87	1.80	1.79	1.68	1.74	1.75	1.84	1.87											
115	2.36	2.27	2.27	2.13	2.22	2.21	2.33	2.35											
120	2.90	2.79	2.80	2.63	2.75	2.72	2.86	2.87											
125	3.49	3.34	3.38	3.17	3.32	3.28	3.45	3.44											
130	4.09	3.89	3.97	3.71	3.92	3.84	4.06	4.01											
135	4.67	4.44	4.54	4.26	4.53	4.41	4.64	4.57											
140	5.15	4.98	5.02	4.80	5.07	4.96	5.18	5.13											
145	5.59	5.59	5.48	5.39	5.54	5.58	5.66	5.74											
150	6.03	6.06	5.92	5.87	6.00	6.10	6.12	6.21											
155	6.50	6.49	6.40	6.31	6.51	6.57	6.61	6.68											
160	7.02	6.95	6.92	6.78	7.04	7.05	7.13	7.17											
165	7.53	7.43	7.44	7.28	7.58	7.54	7.64	7.64											
170	7.98	7.86	7.89	7.75	8.02	7.94	8.07	8.03											
175	8.31	8.20	8.25	8.13	8.32	8.24	8.35	8.28											
180	8.47	8.38	8.46	8.36	8.48	8.37	8.47	8.36											

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: