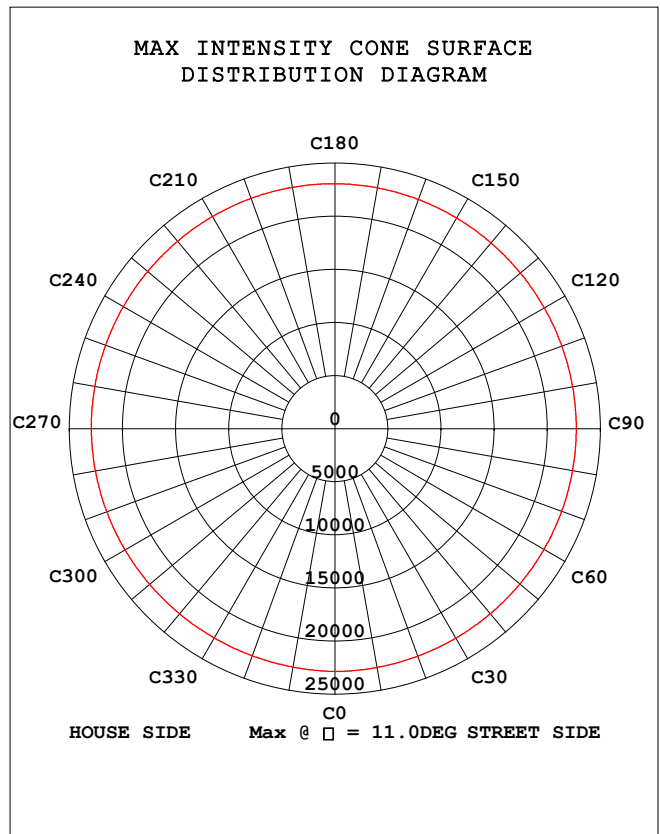
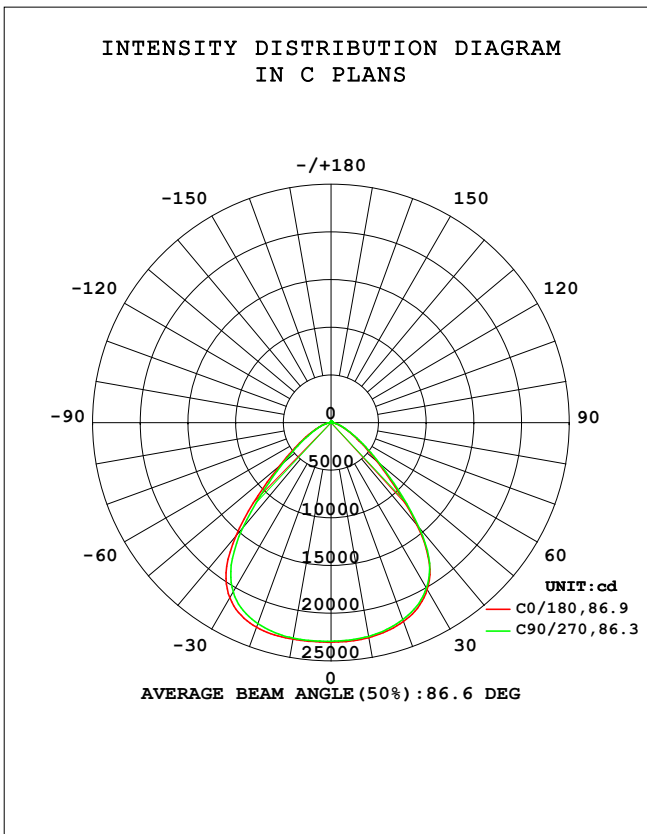


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.29*0.29m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.67 lm/W			
MODEL		I _{max} (cd)	23070	<input type="checkbox"/> street_up (%)	0.5
NOMINAL POWER (W)	300	LOR (%)	100.0	<input type="checkbox"/> street_down (%)	49.1
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	44960	<input type="checkbox"/> house_up (%)	0.5
NOMINAL FLUX (lm)	44960	MAXIMUM @ (C, <input type="checkbox"/>)	180,11.0	<input type="checkbox"/> house_down (%)	50.0
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	21.930

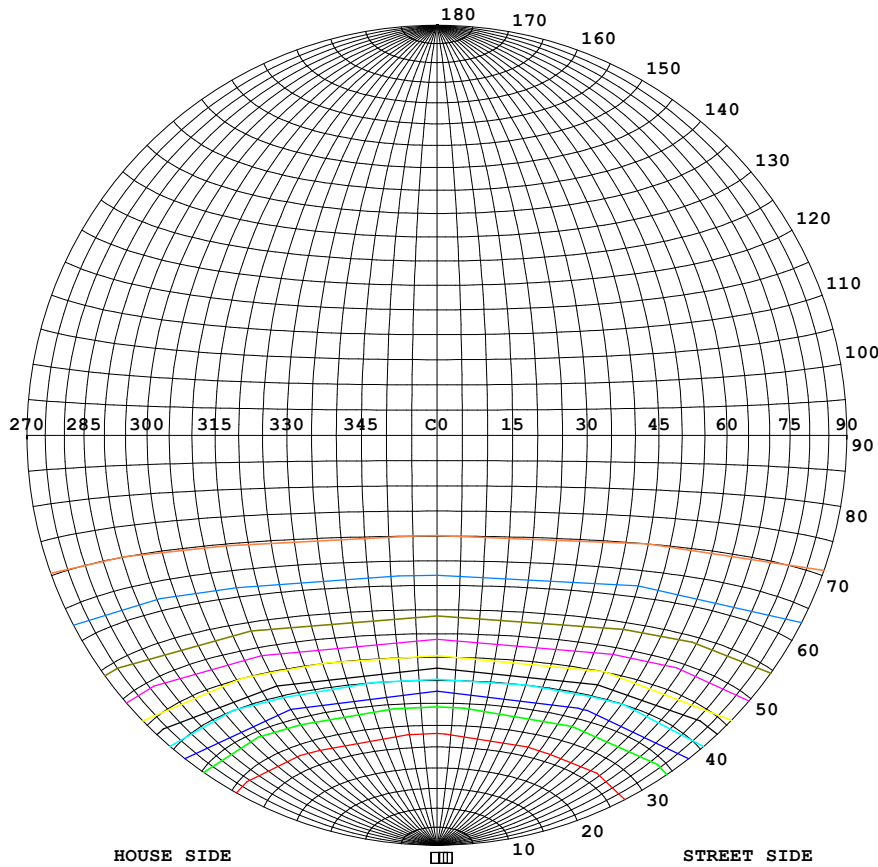


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: lianghaizhu
 Test Date: 2023-03-10

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:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:0.29*0.29m	Shielding Angle:



Classification:

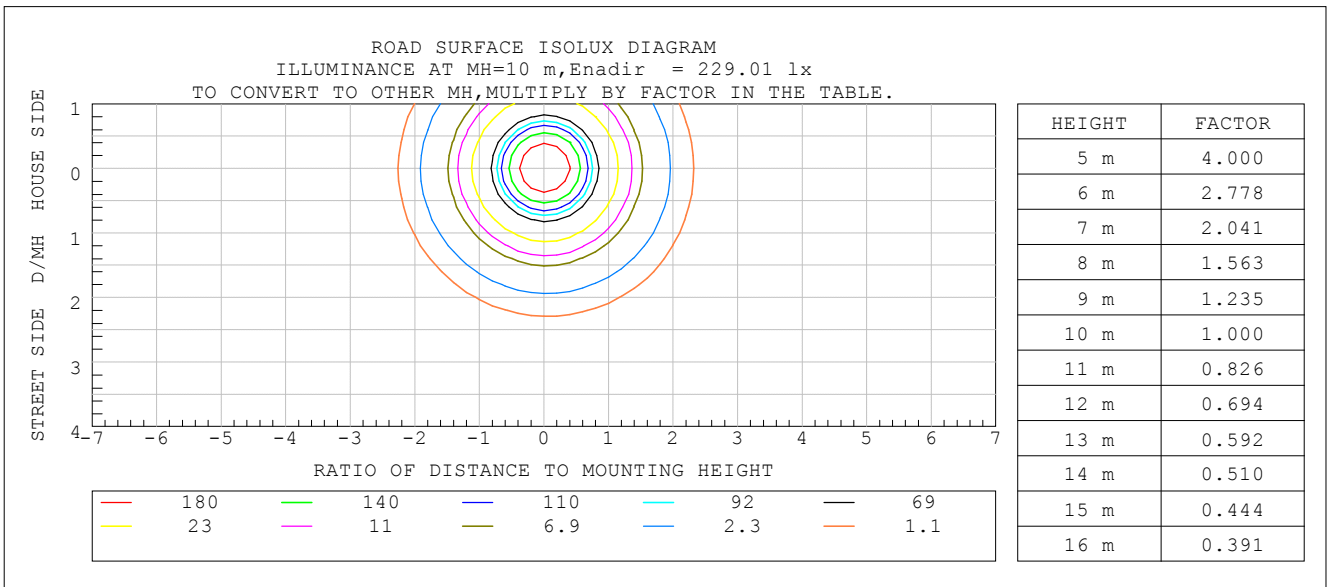
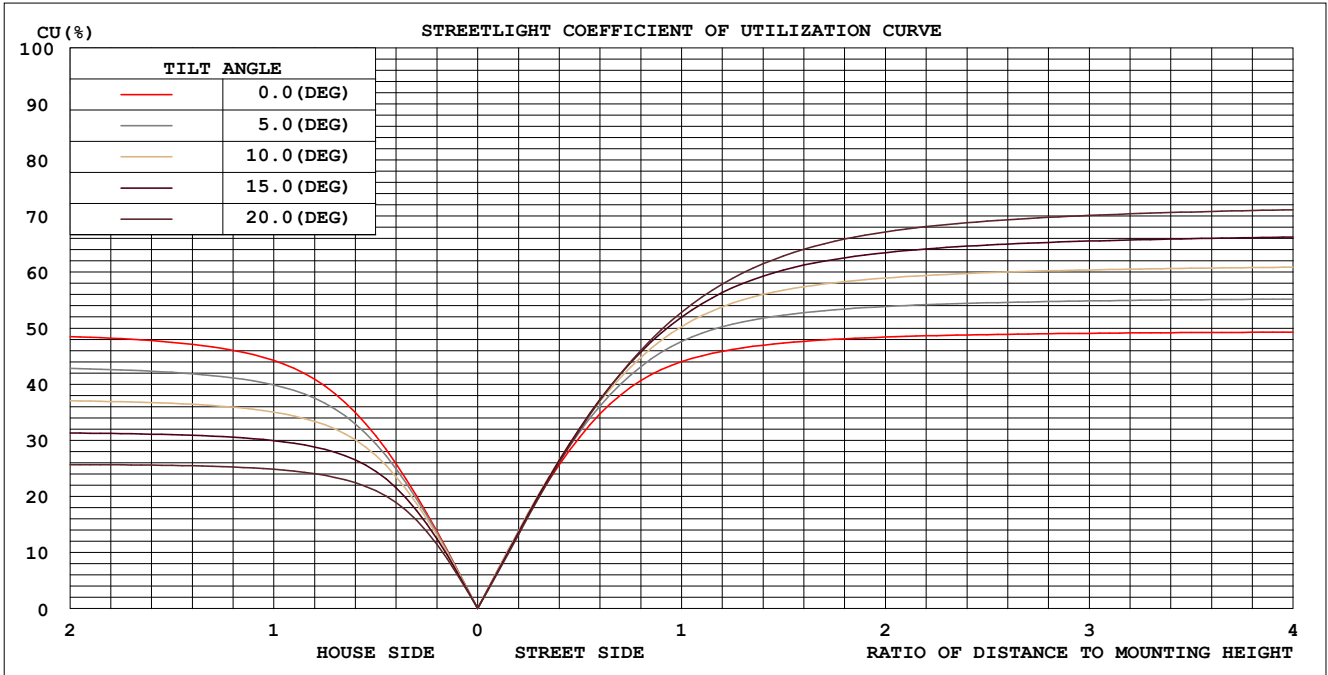
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:9.636cd/klm
 Max.At90:0.3859cd/klm
 Max.80-90:9.636cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	23070
90%	20763
80%	18456
70%	16149
60%	13842
50%	11535
40%	9228
30%	6921
20%	4614
10%	2307
5%	1154

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 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: 25DEG
 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:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:0.29*0.29m	Shielding Angle:

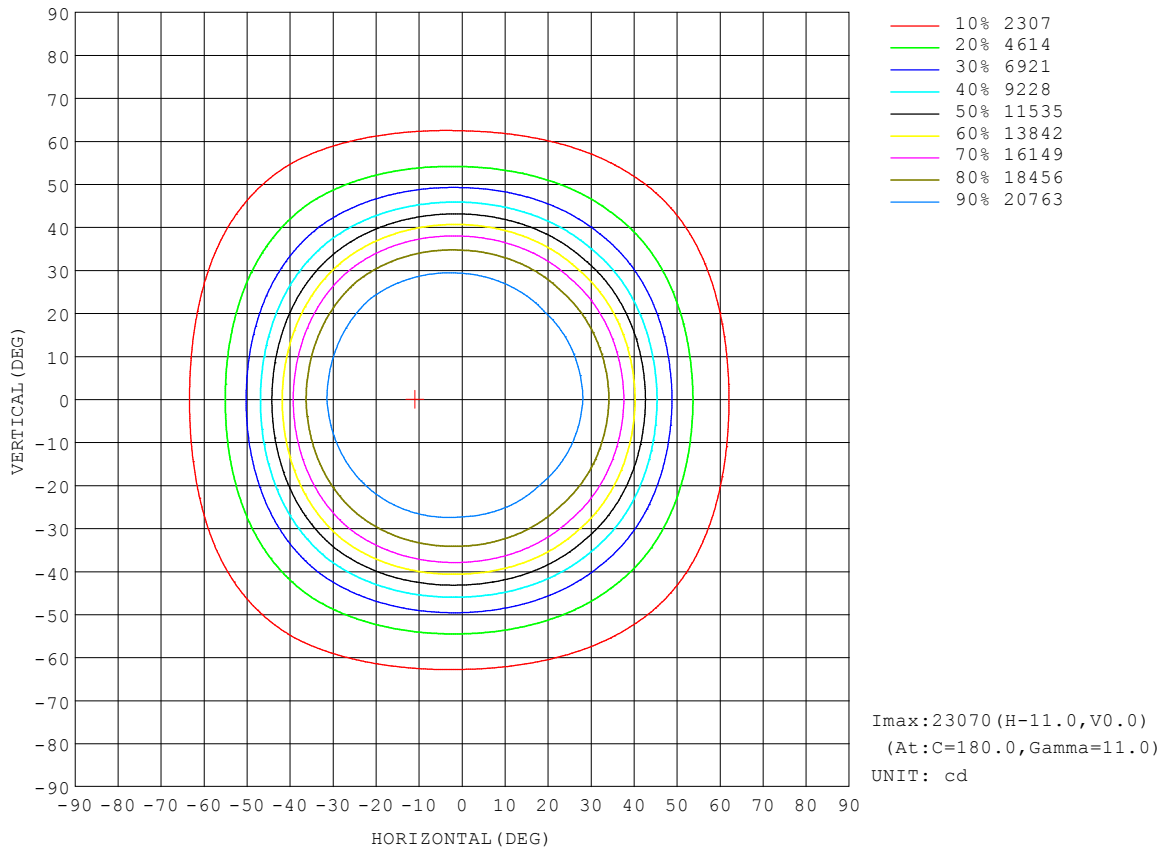
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	2290	2278	2276	2284	2307	2304	2295	2281	0- 10	2189	2189	4.87,4.87
20	2220	2195	2199	2235	2285	2279	2243	2212	10- 20	6421	8610	19.1,19.1
30	2020	1979	2002	2061	2123	2116	2053	2004	20- 30	9957	18567	41.3,41.3
40	1407	1366	1441	1543	1553	1524	1444	1349	30- 40	11244	29811	66.3,66.3
50	625.6	617.7	669.3	715.2	704.3	702.4	647.0	605.4	40- 50	7814	37625	83.7,83.7
60	274.6	274.4	291.9	316.8	306.2	314.2	282.4	266.1	50- 60	4014	41639	92.6,92.6
70	115.8	115.4	123.5	134.8	128.6	132.5	118.6	111.6	60- 70	1935	43573	96.9,96.9
80	35.46	35.15	39.73	43.32	38.75	40.12	35.28	32.46	70- 80	797.8	44371	98.7,98.7
90	1.611	1.706	1.550	1.735	1.381	1.568	1.424	1.544	80- 90	159.0	44530	99,99
100	2.258	2.267	2.144	2.039	1.955	1.928	2.025	2.125	90-100	18.43	44549	99.1,99.1
110	3.944	3.950	3.770	3.589	3.475	3.416	3.577	3.741	100-110	29.92	44579	99.2,99.2
120	6.142	6.149	5.932	5.681	5.549	5.449	5.663	5.863	110-120	46.60	44625	99.3,99.3
130	8.596	8.543	8.369	8.058	7.973	7.813	8.090	8.273	120-130	62.56	44688	99.4,99.4
140	10.90	10.93	10.72	10.41	10.40	10.25	10.51	10.71	130-140	72.69	44761	99.6,99.6
150	12.93	12.99	12.80	12.51	12.62	12.50	12.78	12.92	140-150	73.20	44834	99.7,99.7
160	15.17	15.12	15.05	14.68	15.04	14.84	15.17	15.22	150-160	63.86	44898	99.9,99.9
170	17.36	17.22	17.24	16.93	17.30	17.04	17.36	17.28	160-170	45.53	44943	100,100
180	18.42	18.24	18.38	18.19	18.45	18.20	18.40	18.17	170-180	16.91	44960	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
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

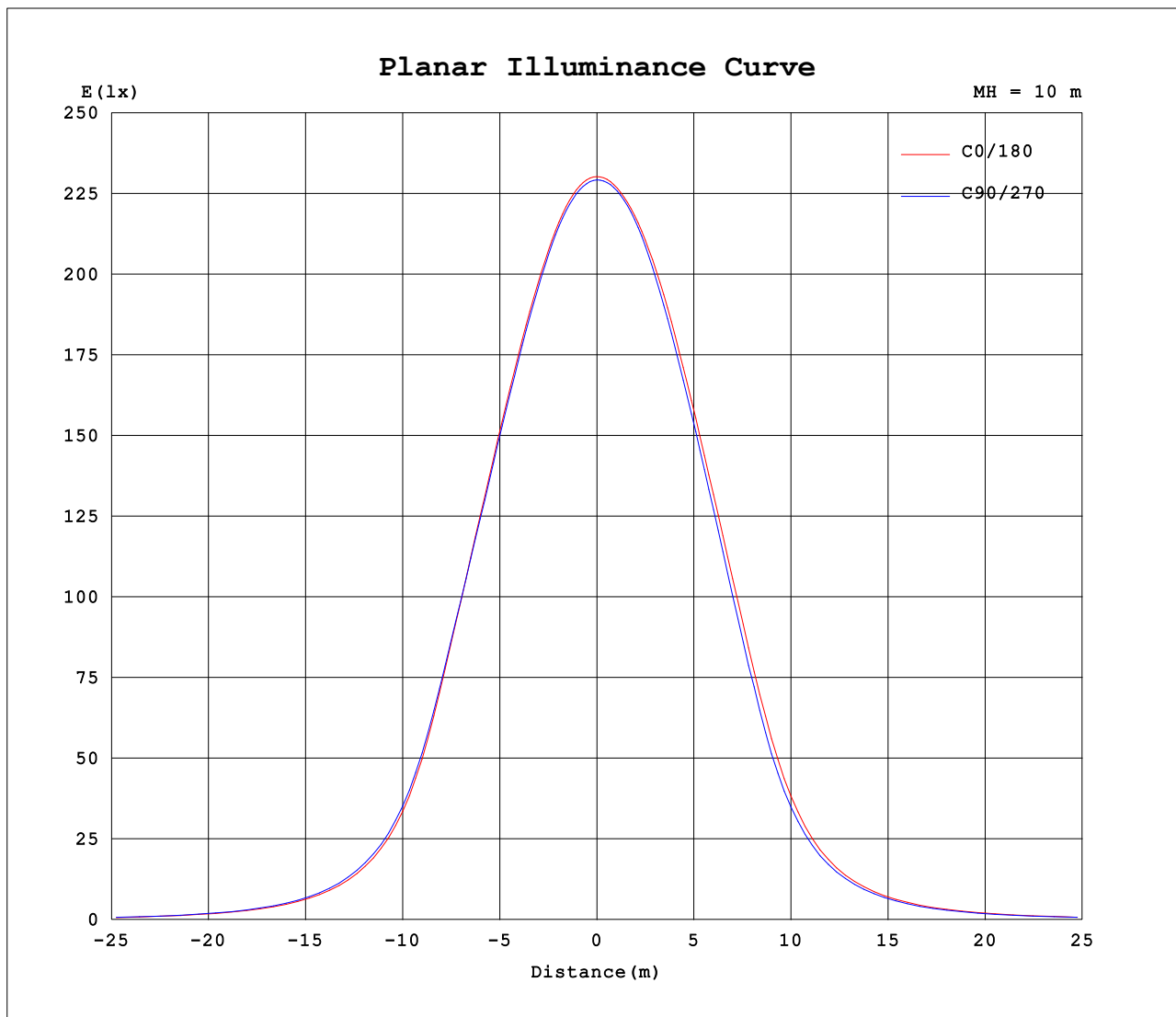
Test:U:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:0.29*0.29m	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 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



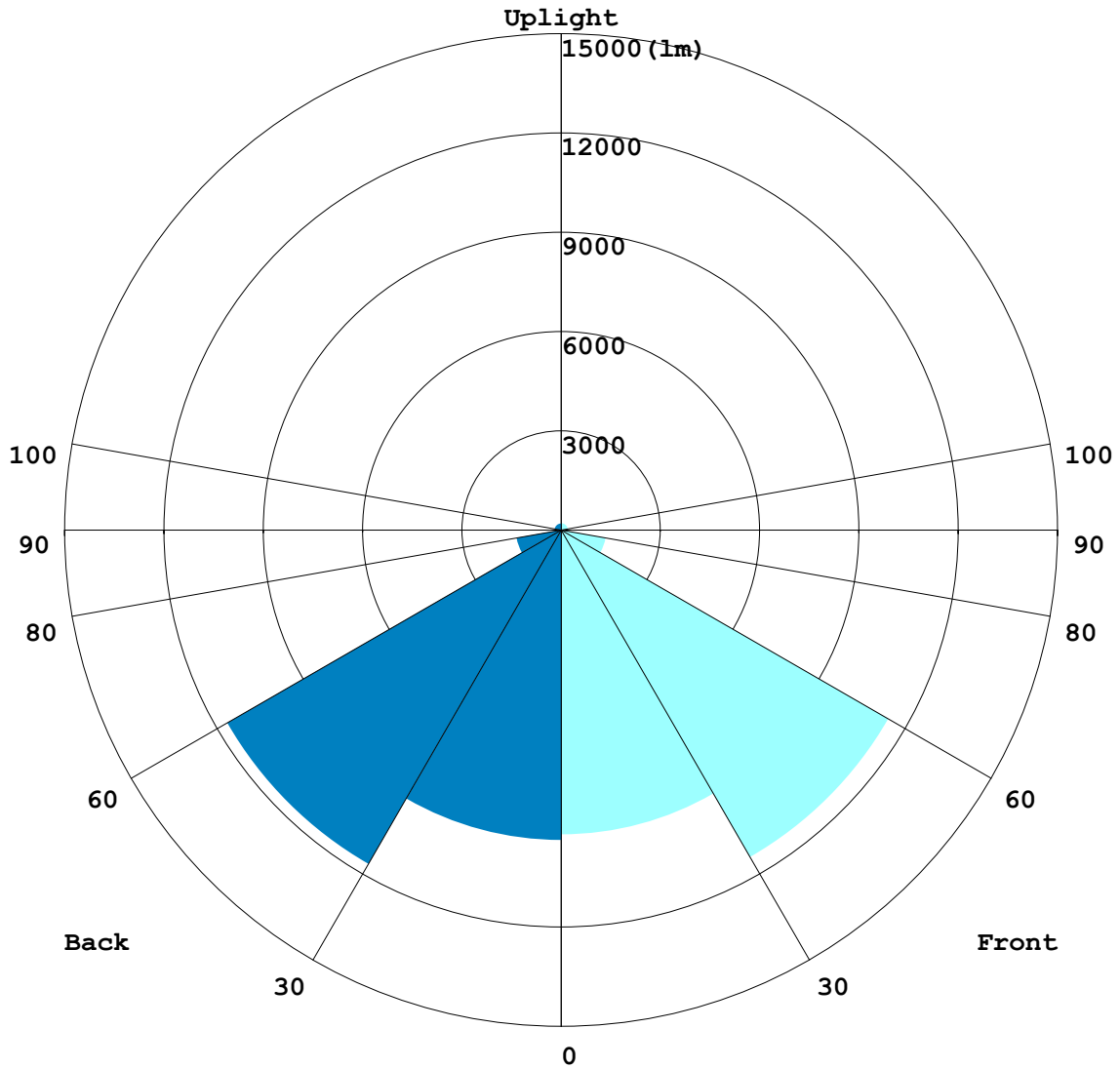
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:lianghaizhu
Test Date:2023-03-10

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:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:0.29*0.29m	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 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:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:0.29*0.29m	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	9199.2	20.5
FM - Front-Medium(30-60)	11419	25.4
FH - Front-High(60-80)	1365	3.0
FVH - Front-Very High(80-90)	82.565	0.2
Total Forward Light	22284	49.6

BL - Back-Low(0-30)	9367.9	20.8
BM - Back-Medium(30-60)	11653	25.9
BH - Back-High(60-80)	1367.5	3.0
BVH - Back-Very High(80-90)	76.452	0.2
Total Back Light	22676	50.4

UL - Uplight-Low(90-100)	18.429	0.0
UH - Uplight-High(100-180)	411.27	0.9
Total Up Light	429.7	1.0

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	22465	211.37	22676
Street Side	22066	218.33	22284

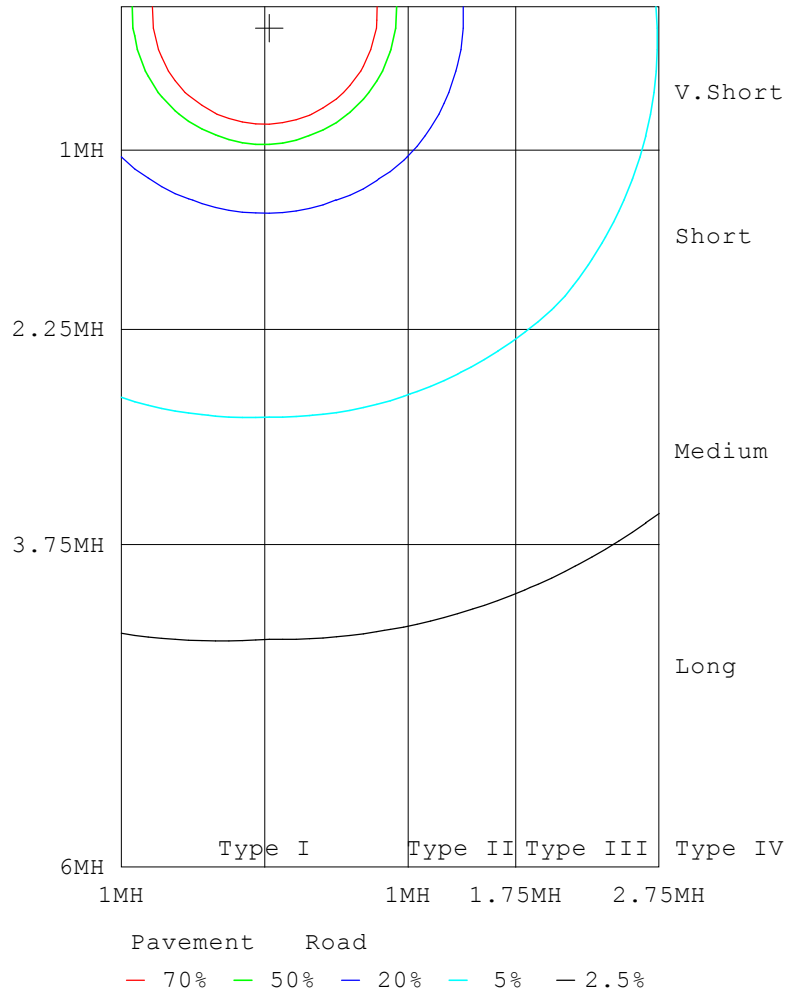
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:lianghaizhu
Test Date:2023-03-10

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:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:0.29*0.29m	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 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:120.3V I:2.378A P:285.1W PF:0.9969 Freq:59.98Hz Lamp Flux:44960x1 lm		
NAME: ASD-UHB3-300DAC-BK-4000K_IESNA2002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:0.29*0.29m	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	2302	2297	2292	2288	2302	2297	2292	2288										
5	2300	2293	2288	2287	2304	2300	2295	2289										
10	2290	2278	2276	2284	2307	2304	2295	2281										
15	2264	2246	2247	2271	2304	2302	2281	2256										
20	2220	2195	2199	2235	2285	2279	2243	2212										
25	2148	2114	2126	2171	2231	2222	2177	2139										
30	2020	1979	2002	2061	2123	2116	2053	2004										
35	1798	1749	1802	1872	1923	1914	1826	1762										
40	1407	1366	1441	1543	1553	1524	1444	1349										
45	950	930	998	1088	1084	1053	989	908										
50	626	618	669	715	704	702	647	605										
55	414	413	443	474	464	471	428	402										
60	275	274	292	317	306	314	282	266										
65	180	180	191	209	201	206	185	174										
70	116	115	124	135	129	133	119	112										
75	69.7	69.3	75.6	82.7	76.3	78.6	70.1	65.7										
80	35.5	35.2	39.7	43.3	38.8	40.1	35.3	32.5										
85	11.2	11.1	14.3	15.8	12.5	13.4	11.0	9.24										
90	1.61	1.71	1.55	1.74	1.38	1.57	1.42	1.54										
95	1.67	1.82	1.63	1.71	1.45	1.53	1.50	1.59										
100	2.26	2.27	2.14	2.04	1.95	1.93	2.02	2.12										
105	3.02	3.03	2.87	2.73	2.63	2.59	2.72	2.85										
110	3.94	3.95	3.77	3.59	3.48	3.42	3.58	3.74										
115	4.99	5.00	4.80	4.58	4.46	4.38	4.56	4.75										
120	6.14	6.15	5.93	5.68	5.55	5.45	5.66	5.86										
125	7.36	7.35	7.14	6.86	6.73	6.60	6.85	7.05										
130	8.60	8.54	8.37	8.06	7.97	7.81	8.09	8.27										
135	9.79	9.74	9.58	9.22	9.21	9.04	9.32	9.50										
140	10.9	10.9	10.7	10.4	10.4	10.2	10.5	10.7										
145	11.9	12.0	11.8	11.5	11.5	11.4	11.7	11.8										
150	12.9	13.0	12.8	12.5	12.6	12.5	12.8	12.9										
155	14.0	14.0	13.9	13.5	13.8	13.6	13.9	14.0										
160	15.2	15.1	15.0	14.7	15.0	14.8	15.2	15.2										
165	16.3	16.2	16.2	15.9	16.3	16.0	16.4	16.3										
170	17.4	17.2	17.2	16.9	17.3	17.0	17.4	17.3										
175	18.1	18.0	18.0	17.8	18.1	17.8	18.1	17.9										
180	18.4	18.2	18.4	18.2	18.5	18.2	18.4	18.2										

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 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: