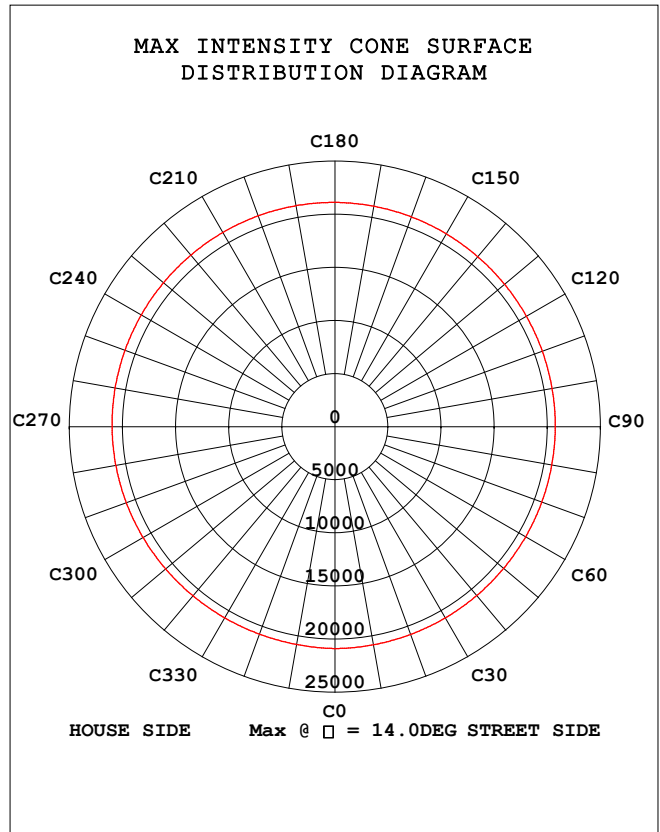
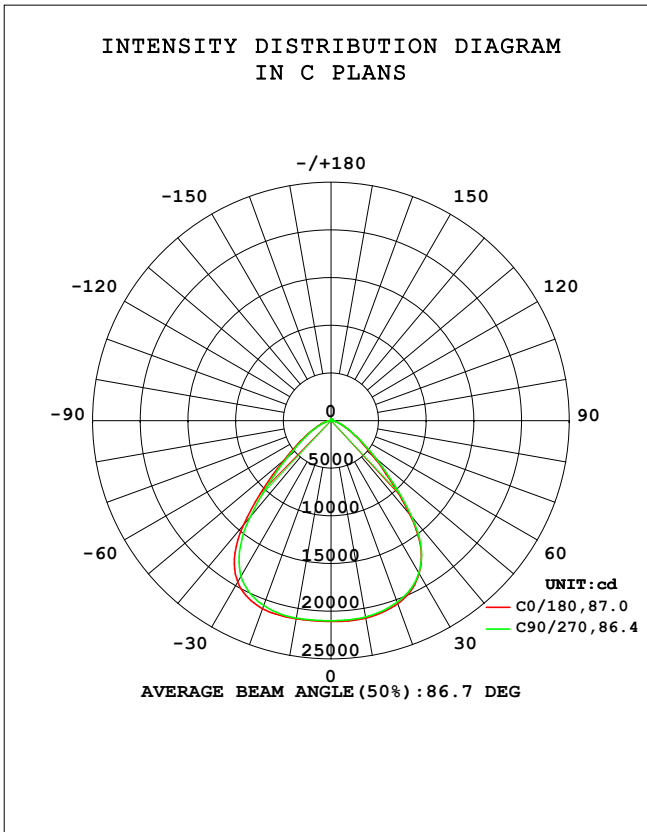


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.29*0.29m	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.67 lm/W			
MODEL		Imax(cd)	21122	<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)	41429	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	41429	MAXIMUM @ (C, <input type="checkbox"/>)	180,14.0	<input type="checkbox"/> house_down(%)	49.9
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	21.812

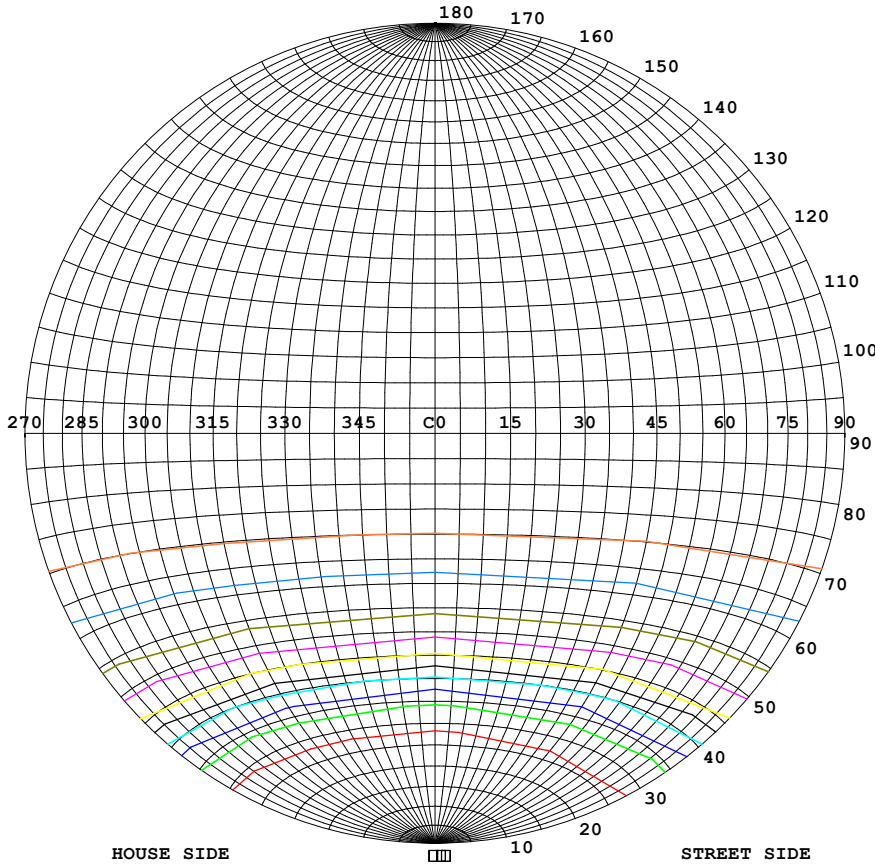


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:lianghaizhu
 Test Date:2023-03-10

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:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.29*0.29m	Shielding Angle:



Classification:

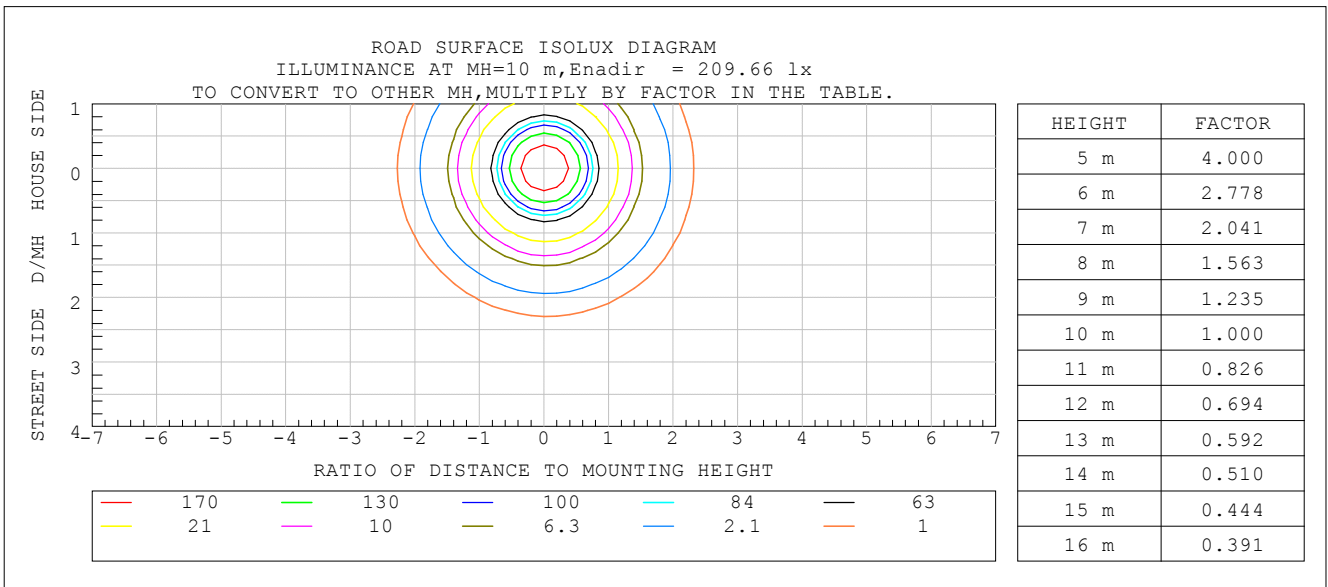
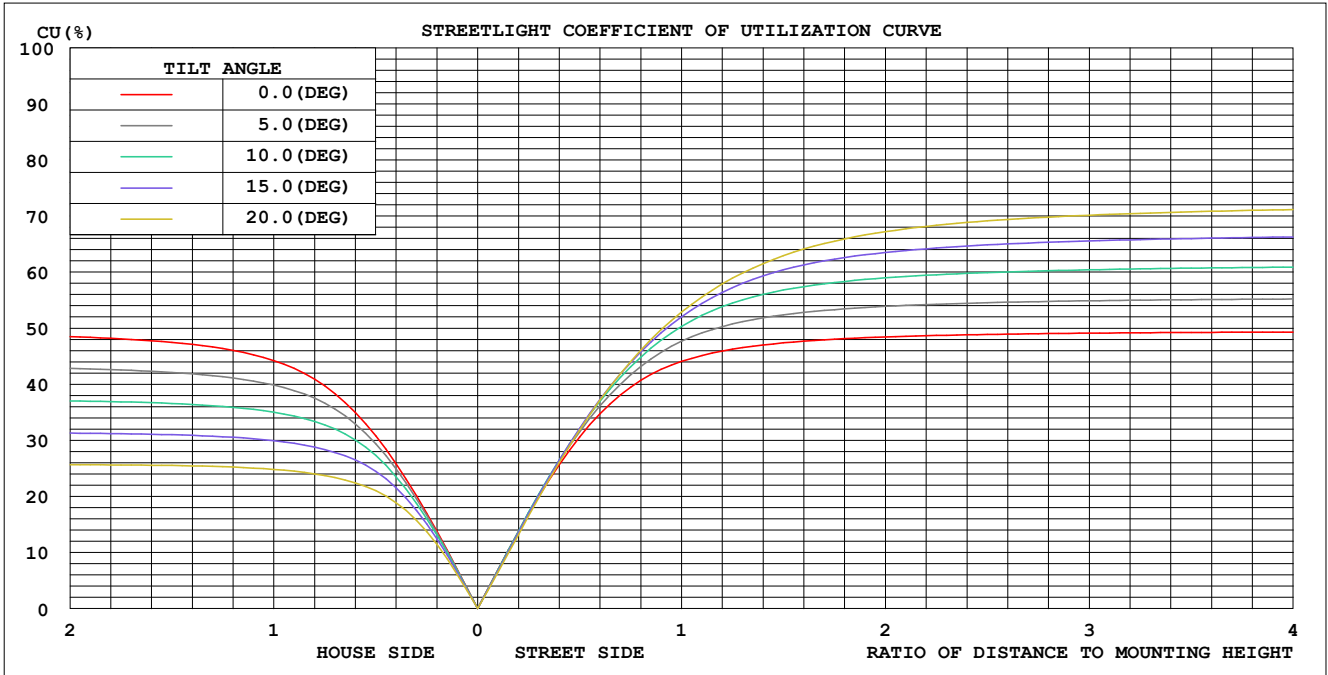
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:9.591cd/klm
 Max.At90:0.3855cd/klm
 Max.80-90:9.591cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	21122
90%	19010
80%	16897
70%	14785
60%	12673
50%	10561
40%	8449
30%	6337
20%	4224
10%	2112
5%	1056

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:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.29*0.29m	Shielding Angle:

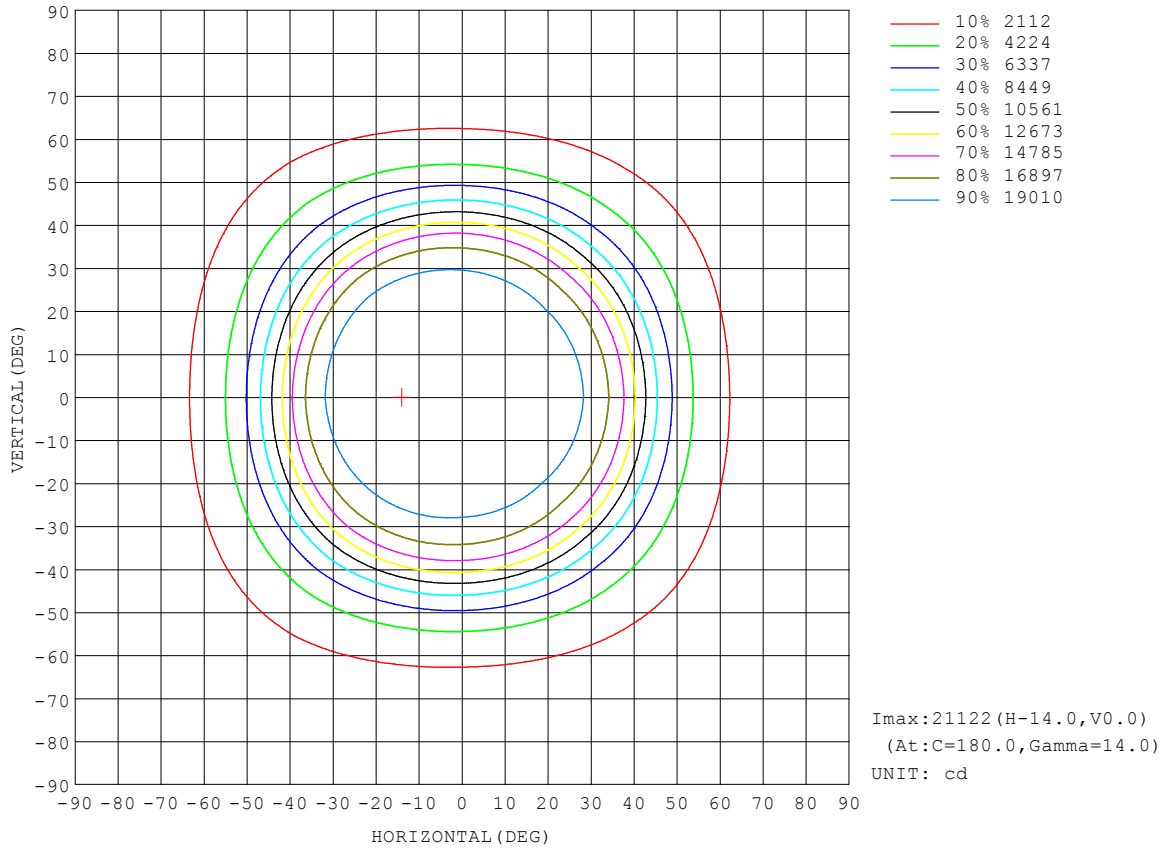
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	zone	total	%lum,lamp
10	2104	2095	2091	2093	2110	2107	2103	2095	0- 10	2005	2005	4.86,4.86
20	2043	2022	2026	2057	2100	2093	2064	2036	10- 20	5901	7906	19.2,19.2
30	1850	1813	1843	1900	1958	1946	1887	1836	20- 30	9162	17068	41.3,41.3
40	1292	1255	1323	1422	1434	1395	1324	1236	30- 40	10322	27390	66.3,66.3
50	574.4	566.6	610.4	655.6	643.3	639.5	593.2	554.8	40- 50	7173	34563	83.7,83.7
60	254.6	252.9	265.9	290.1	279.9	286.5	259.9	245.5	50- 60	3673	38236	92.6,92.6
70	107.1	106.6	112.4	123.0	117.5	121.2	108.5	102.8	60- 70	1775	40011	96.9,96.9
80	32.56	32.19	36.16	39.60	35.30	36.46	32.15	29.69	70- 80	731.7	40743	98.7,98.7
90	1.477	1.557	1.417	1.592	1.266	1.447	1.304	1.410	80- 90	144.8	40888	99,99
100	2.067	2.076	1.967	1.873	1.796	1.770	1.856	1.946	90-100	16.89	40905	99.1,99.1
110	3.619	3.621	3.458	3.296	3.195	3.137	3.282	3.430	100-110	27.45	40932	99.2,99.2
120	5.641	5.643	5.445	5.219	5.099	5.007	5.199	5.386	110-120	42.78	40975	99.3,99.3
130	7.899	7.875	7.687	7.406	7.335	7.181	7.437	7.602	120-130	57.48	41032	99.4,99.4
140	10.03	10.04	9.849	9.569	9.563	9.440	9.667	9.843	130-140	66.82	41099	99.6,99.6
150	11.88	11.94	11.76	11.50	11.61	11.50	11.74	11.88	140-150	67.28	41167	99.7,99.7
160	13.95	13.90	13.84	13.49	13.83	13.64	13.94	13.99	150-160	58.72	41225	99.9,99.9
170	15.97	15.83	15.87	15.57	15.91	15.68	15.96	15.90	160-170	41.87	41267	100,100
180	16.94	16.77	16.90	16.73	16.97	16.74	16.92	16.71	170-180	15.56	41283	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

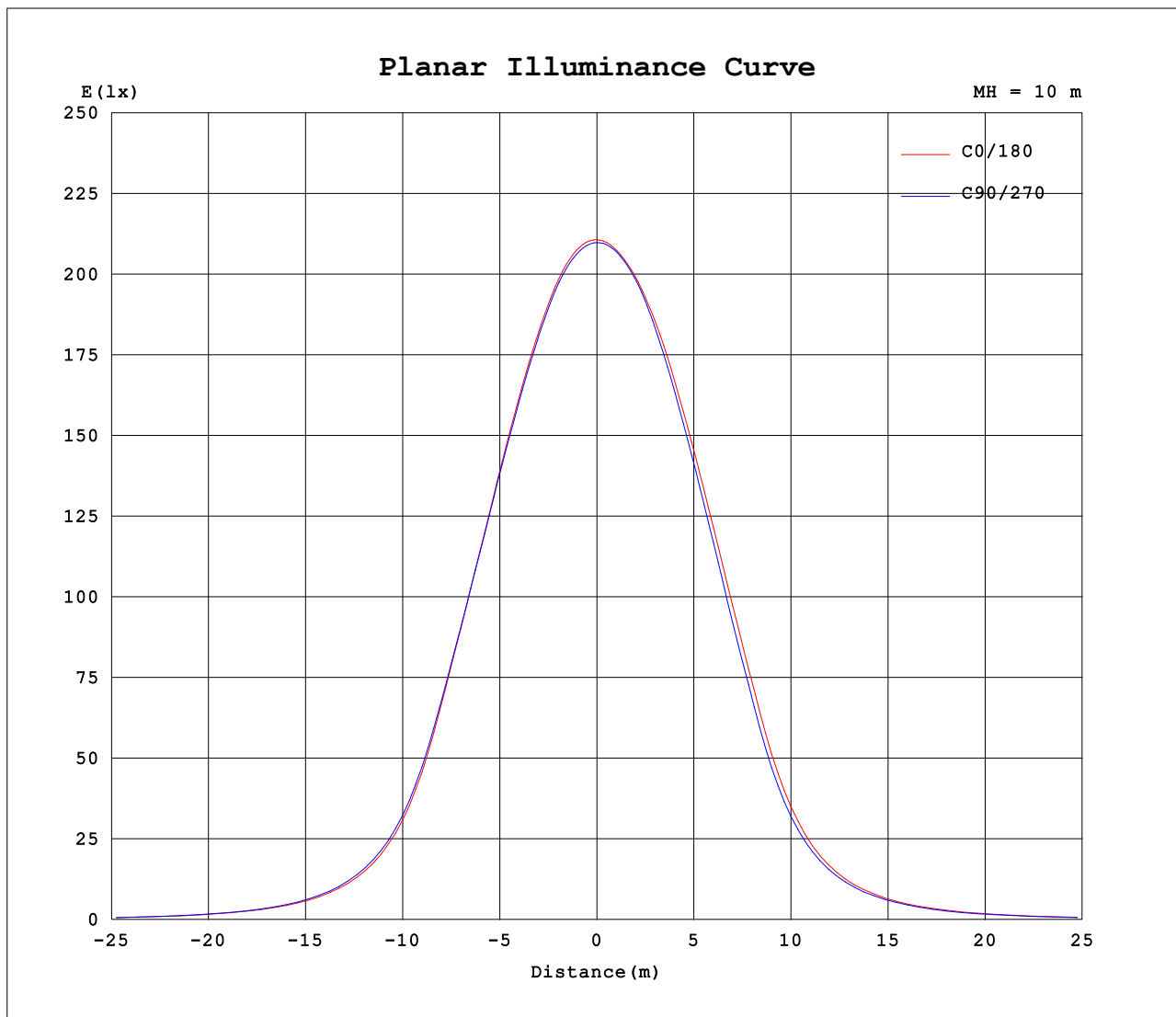
Test:U:120.3V I:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.29*0.29m	Shielding Angle:



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



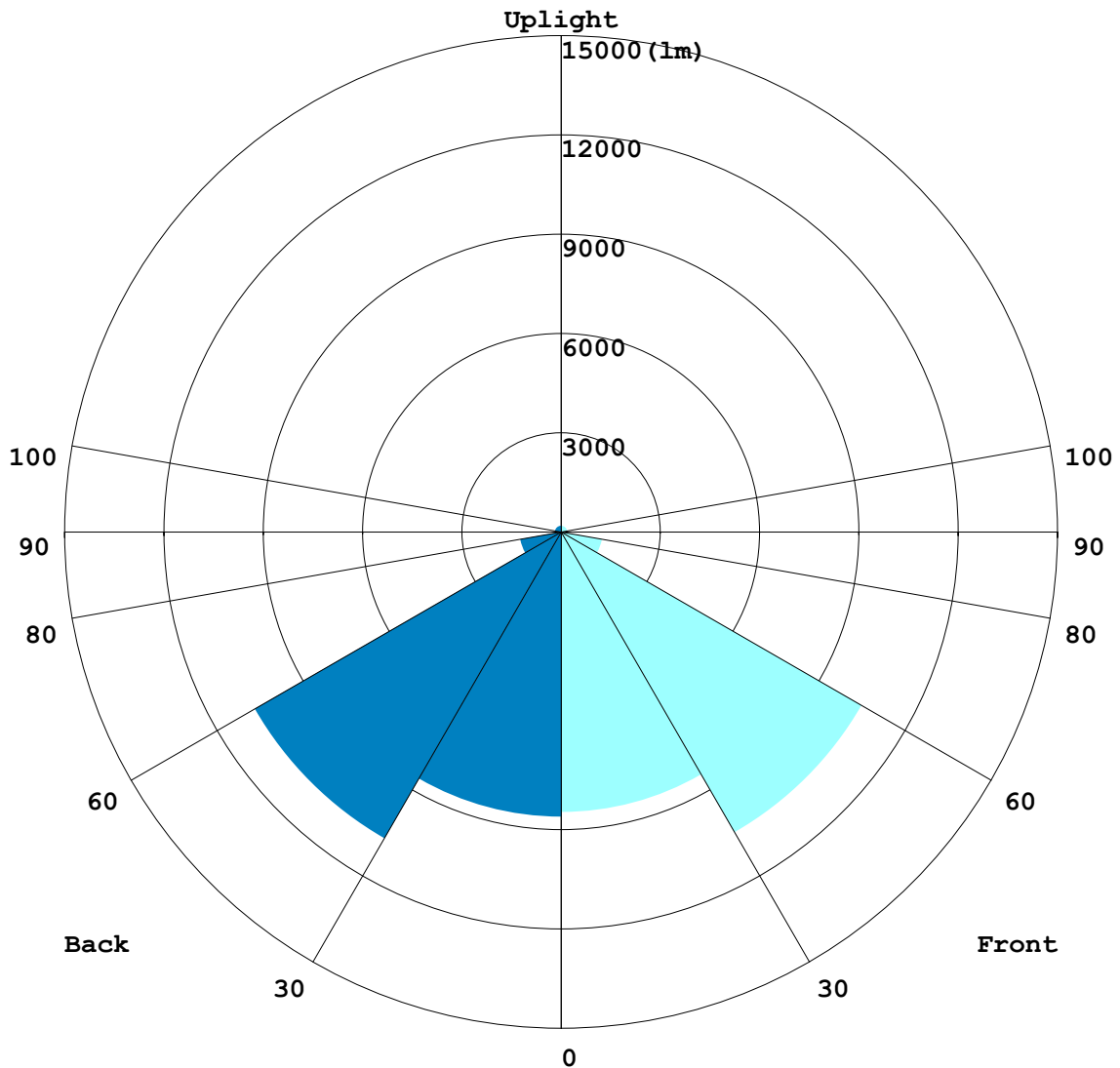
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: lianghaizhu
Test Date: 2023-03-10

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:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.29*0.29m	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	8461.6	20.5
FM - Front-Medium(30-60)	10480	25.4
FH - Front-High(60-80)	1254	3.0
FVH - Front-Very High(80-90)	75.325	0.2
Total Forward Light	20471	49.6

BL - Back-Low(0-30)	8606.8	20.8
BM - Back-Medium(30-60)	10688	25.9
BH - Back-High(60-80)	1253.1	3.0
BVH - Back-Very High(80-90)	69.446	0.2
Total Back Light	20811	50.4

UL - Uplight-Low(90-100)	16.894	0.0
UH - Uplight-High(100-180)	377.95	0.9
Total Up Light	394.84	1.0

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	20617	194.27	20811
Street Side	20271	200.58	20471

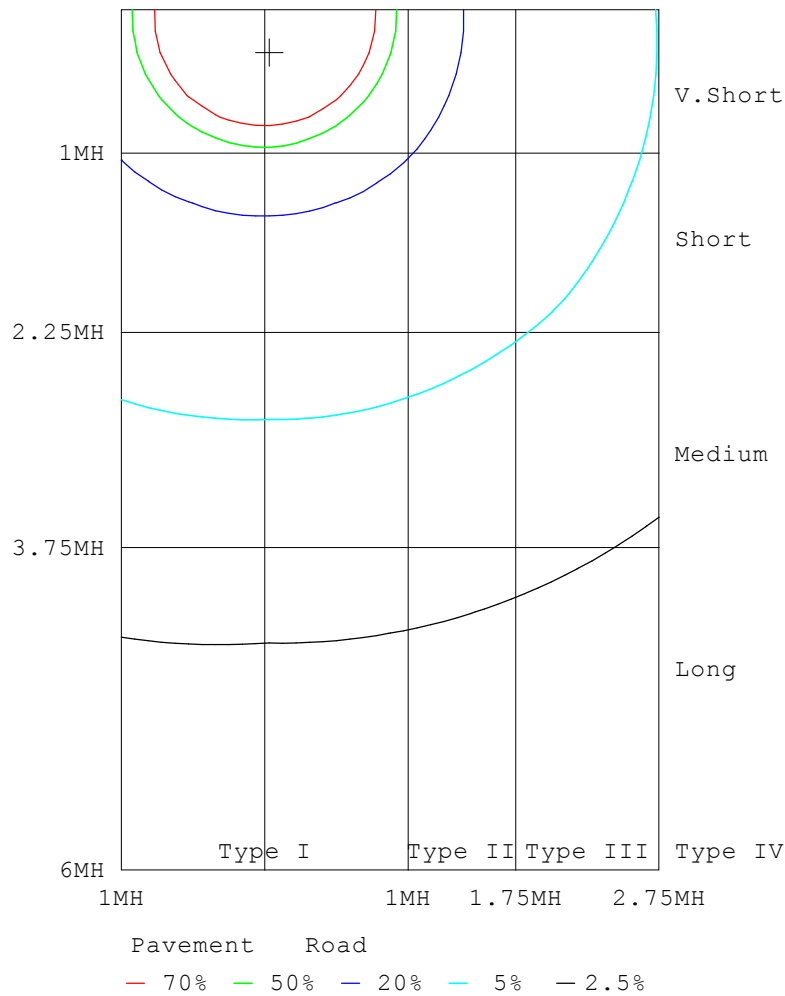
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:lianghaizhu
 Test Date:2023-03-10

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:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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:2.460A P:294.5W PF:0.9979 Freq:59.99Hz Lamp Flux:41429x1 lm		
NAME: ASD-UHB3-300DAC-BK-3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.29*0.29m	Shielding Angle:

Table--1

UNIT: x10cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315											
0	2107	2103	2098	2095	2107	2103	2098	2095											
5	2109	2103	2097	2093	2107	2104	2101	2098											
10	2104	2095	2091	2093	2110	2107	2103	2095											
15	2083	2068	2068	2086	2112	2109	2096	2075											
20	2043	2022	2026	2057	2100	2093	2064	2036											
25	1974	1946	1961	2000	2055	2044	2004	1967											
30	1850	1813	1843	1900	1958	1946	1887	1836											
35	1645	1601	1652	1722	1770	1755	1674	1609											
40	1292	1255	1323	1422	1434	1395	1324	1236											
45	875	856	917	996	993	963	907	837											
50	574	567	610	656	643	640	593	555											
55	381	378	403	434	423	428	393	370											
60	255	253	266	290	280	287	260	245											
65	167	166	174	191	183	188	170	160											
70	107	107	112	123	118	121	109	103											
75	64.1	63.9	68.7	75.7	70.0	72.3	64.2	60.5											
80	32.6	32.2	36.2	39.6	35.3	36.5	32.2	29.7											
85	10.1	10.1	13.0	14.5	11.3	12.2	10.0	8.34											
90	1.48	1.56	1.42	1.59	1.27	1.45	1.30	1.41											
95	1.53	1.66	1.50	1.57	1.33	1.41	1.37	1.46											
100	2.07	2.08	1.97	1.87	1.80	1.77	1.86	1.95											
105	2.77	2.77	2.64	2.51	2.42	2.38	2.50	2.62											
110	3.62	3.62	3.46	3.30	3.20	3.14	3.28	3.43											
115	4.59	4.59	4.40	4.21	4.10	4.02	4.19	4.36											
120	5.64	5.64	5.45	5.22	5.10	5.01	5.20	5.39											
125	6.76	6.75	6.55	6.30	6.18	6.07	6.29	6.47											
130	7.90	7.87	7.69	7.41	7.34	7.18	7.44	7.60											
135	9.00	8.95	8.80	8.47	8.46	8.31	8.56	8.73											
140	10.0	10.0	9.85	9.57	9.56	9.44	9.67	9.84											
145	11.0	11.0	10.8	10.6	10.6	10.5	10.7	10.9											
150	11.9	11.9	11.8	11.5	11.6	11.5	11.7	11.9											
155	12.9	12.9	12.8	12.4	12.7	12.5	12.8	12.9											
160	13.9	13.9	13.8	13.5	13.8	13.6	13.9	14.0											
165	15.0	14.9	14.9	14.6	15.0	14.7	15.1	15.0											
170	16.0	15.8	15.9	15.6	15.9	15.7	16.0	15.9											
175	16.7	16.5	16.6	16.3	16.6	16.4	16.6	16.5											
180	16.9	16.8	16.9	16.7	17.0	16.7	16.9	16.7											

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: