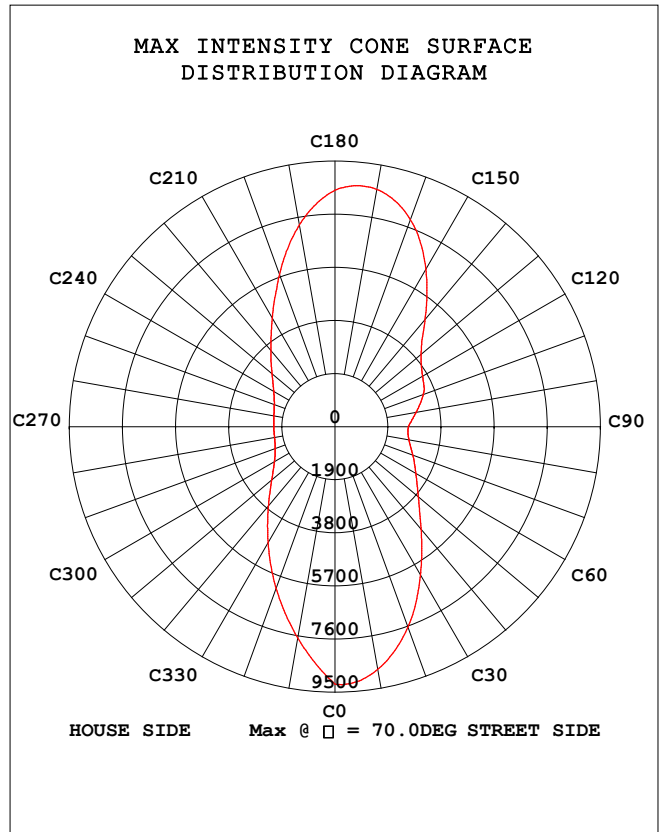
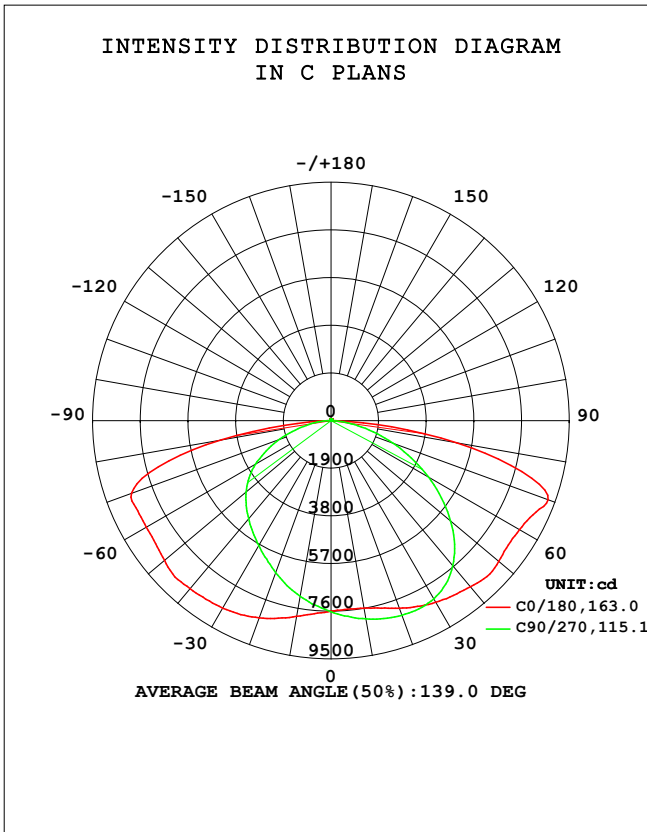


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.42 lm/W			
MODEL		Imax(cd)	9212	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	200	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	55.3
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	33400	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	33400.3	MAXIMUM @ (C,□)	0,70.0	<input type="checkbox"/> house_down(%)	43.8
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	0.9	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	99.1	SLI	25.725

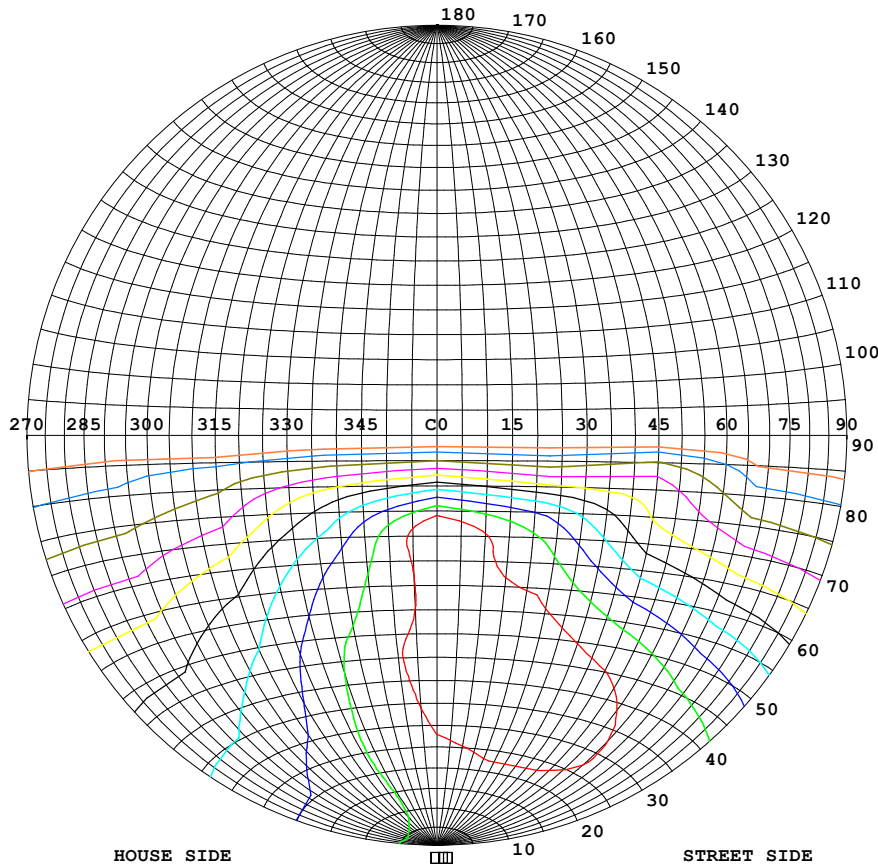


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

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:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



Classification:

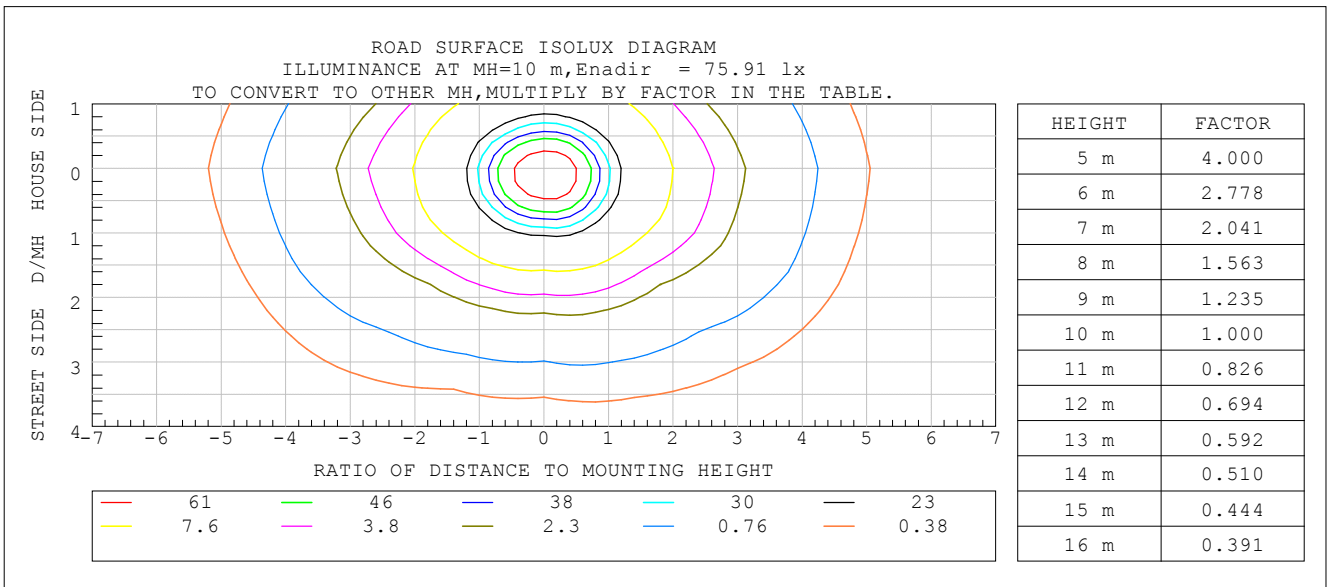
IES:Type VS - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:152.2cd/klm
 Max.At90:1.013cd/klm
 Max.80-90:152.2cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	9212
90%	8291
80%	7370
70%	6449
60%	5527
50%	4606
40%	3685
30%	2764
20%	1842
10%	921
5%	461

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

□ 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: 22.5DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2023-09-27

□ 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:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

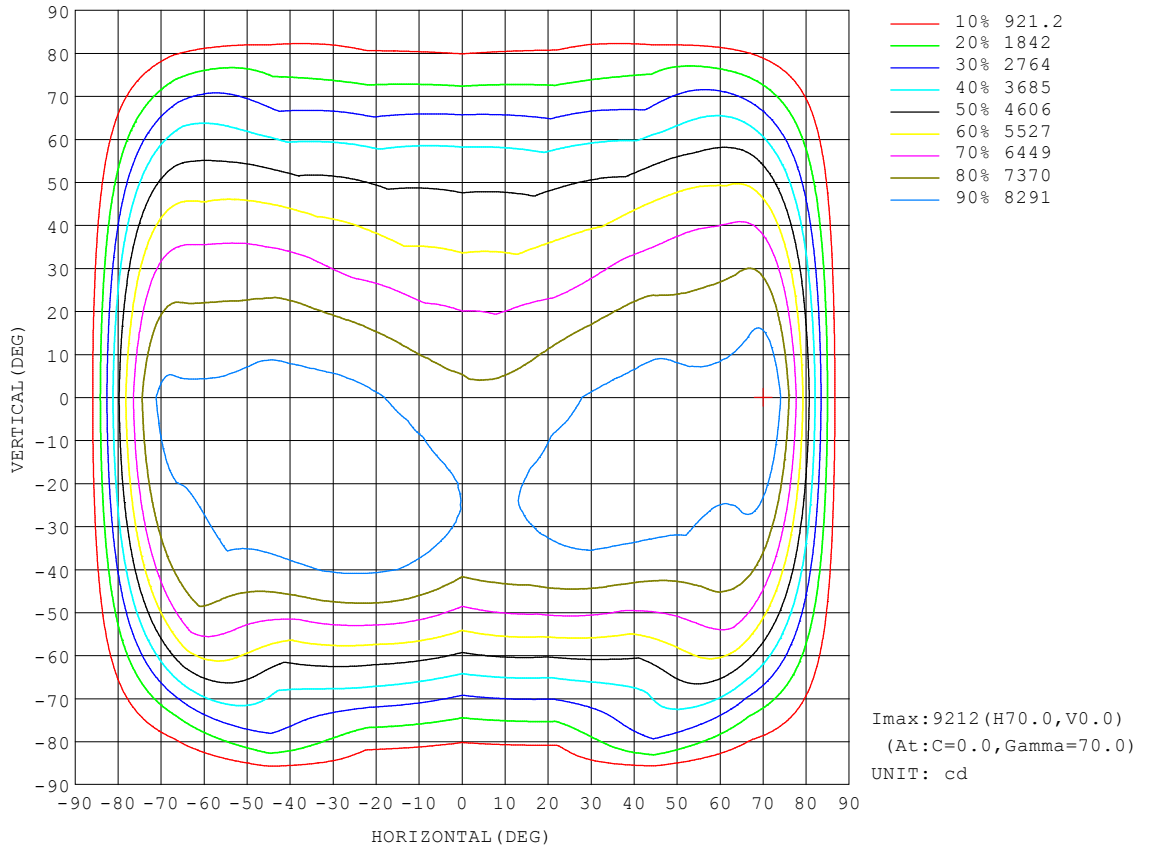
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum,lamp
10	7595	7864	8024	8127	7921	7441	7120	7221	0- 10	728.7	728.7	2.18,2.18
20	7953	8191	8264	8683	8368	7203	6452	6912	10- 20	2187	2915	8.73,8.73
30	8361	8500	8202	9034	8632	6816	5758	6507	20- 30	3589	6504	19.5,19.5
40	8648	8543	7548	9035	8745	6239	5114	6007	30- 40	4790	11295	33.8,33.8
50	8728	7846	6223	8308	8668	5666	4423	5494	40- 50	5620	16915	50.6,50.6
60	8678	6245	4478	6609	8497	4695	3486	4656	50- 60	5796	22711	68,68
70	9212	4286	2631	4406	8459	3237	2196	3293	60- 70	5287	27998	83.8,83.8
80	5083	3239	952.1	3027	4450	1681	903.9	1745	70- 80	3922	31920	95.6,95.6
90	33.12	23.07	14.28	20.73	33.22	25.48	18.94	27.61	80- 90	1184	33103	99.1,99.1
100	38.09	26.42	19.21	25.20	41.25	33.11	26.93	36.38	90-100	29.68	33133	99.2,99.2
110	45.89	33.83	25.59	31.63	48.30	41.10	36.33	45.78	100-110	36.69	33170	99.3,99.3
120	52.57	41.54	32.58	38.32	54.42	48.53	45.38	54.36	110-120	41.81	33212	99.4,99.4
130	60.45	49.30	40.42	45.81	62.22	56.46	53.98	62.13	120-130	44.62	33256	99.6,99.6
140	68.10	56.49	48.09	53.42	68.62	63.39	61.70	67.94	130-140	44.46	33301	99.7,99.7
150	72.21	62.42	56.17	59.75	71.89	68.88	68.49	72.13	140-150	39.99	33341	99.8,99.8
160	74.67	67.78	63.76	65.79	74.74	73.42	74.15	75.49	150-160	31.77	33372	99.9,99.9
170	76.58	72.29	70.62	71.49	76.78	75.83	76.96	77.05	160-170	20.66	33393	100,100
180	77.43	75.39	75.53	75.74	77.40	75.34	75.46	75.69	170-180	7.177	33400	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-09-27

□ 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

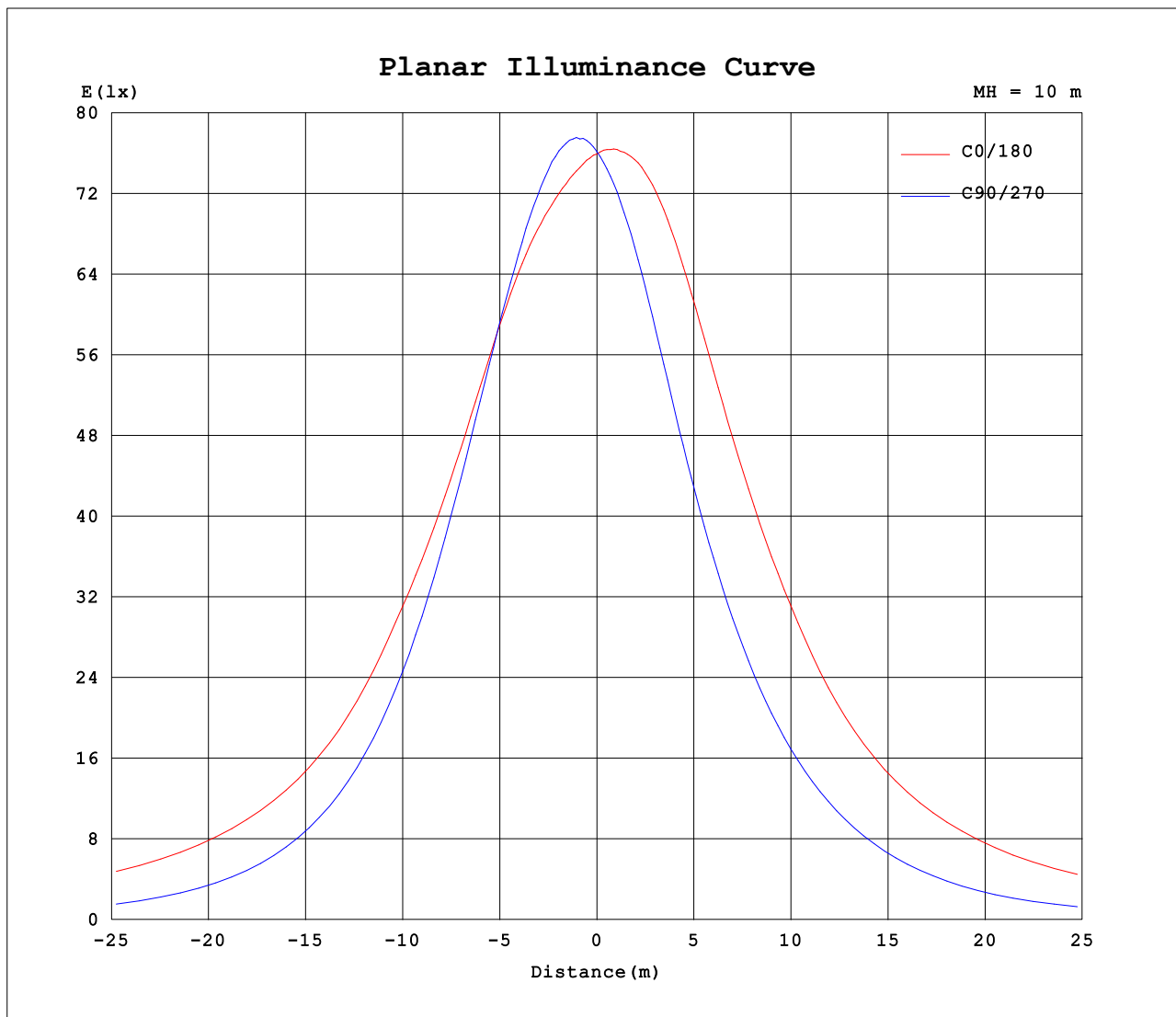
Test:U:120.3V I:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

□ 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



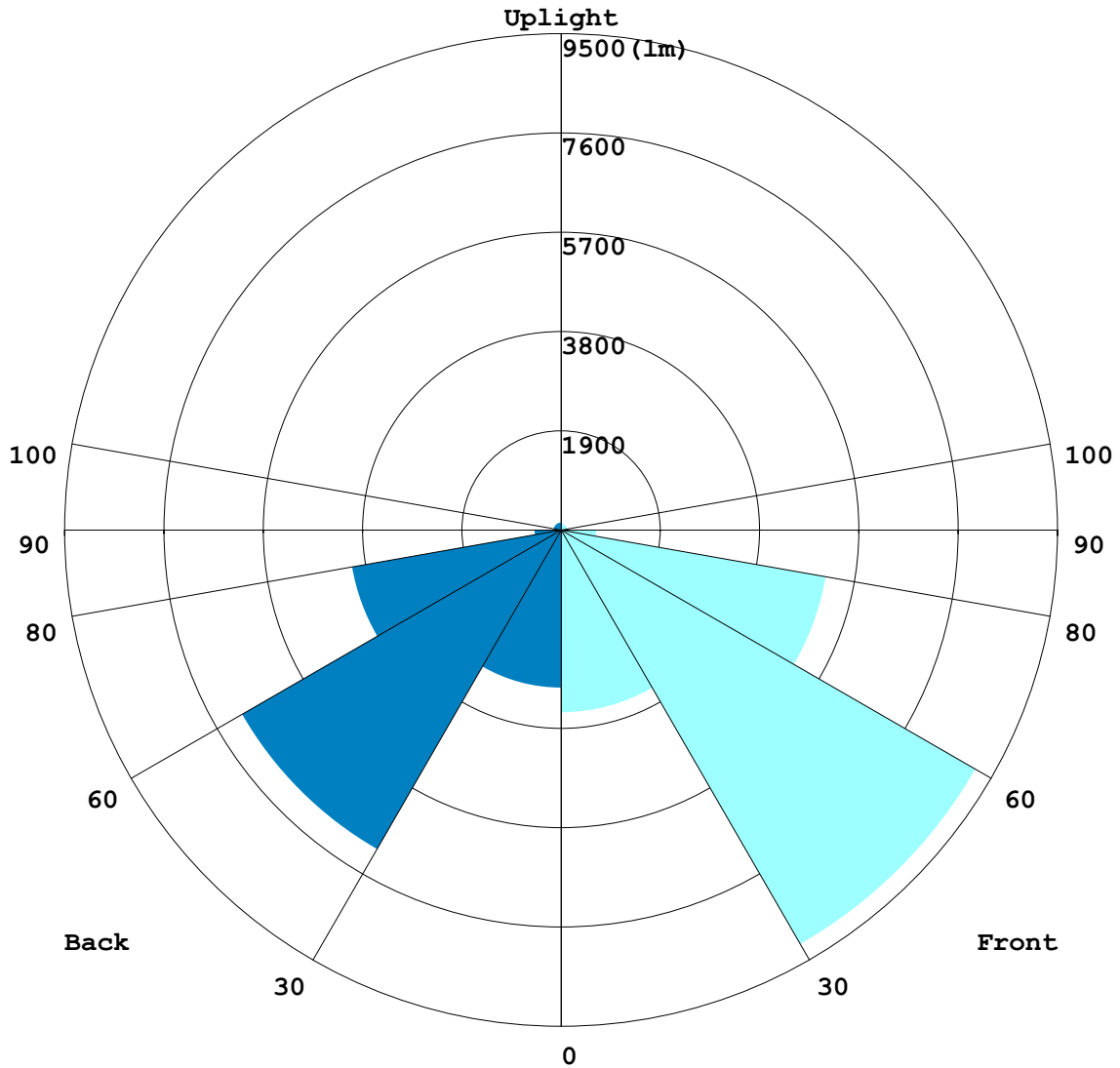
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-09-27

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:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

□ 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:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3489	10.4
FM - Front-Medium(30-60)	9153.2	27.4
FH - Front-High(60-80)	5146.7	15.4
FVH - Front-Very High(80-90)	673.43	2.0
Total Forward Light	18597	55.7

BL - Back-Low(0-30)	3015.2	9.0
BM - Back-Medium(30-60)	7053.2	21.1
BH - Back-High(60-80)	4062.6	12.2
BVH - Back-Very High(80-90)	510.1	1.5
Total Back Light	14803	44.3

UL - Uplight-Low(90-100)	29.677	0.1
UH - Uplight-High(100-180)	267.17	0.8
Total Up Light	296.85	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14641	161.73	14803
Street Side	18462	135.12	18597

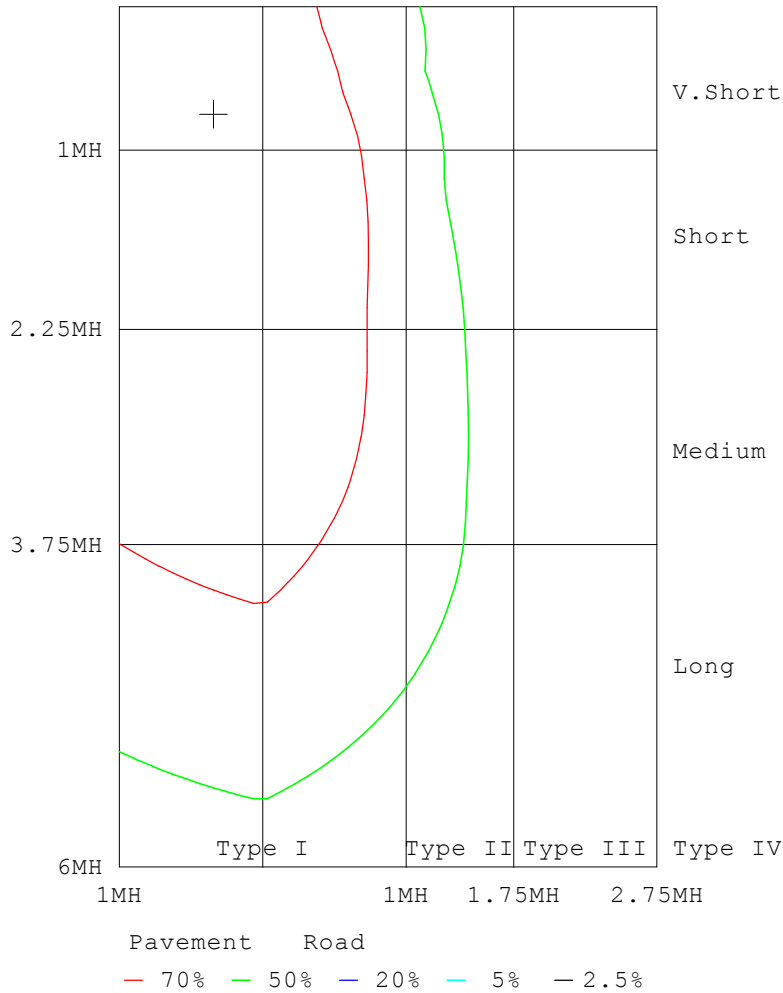
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-09-27

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:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

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:1.630A P:198.3W PF:0.9878 Freq:59.98Hz Lamp Flux:33400.3x1 lm		
NAME: ASD-LSB5A-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	7592	7614	7622	7617	7617	7591	7605	7604	7592	7614	7622	7617	7617	7591	7605	7604			
5	7545	7643	7727	7790	7832	7844	7850	7800	7731	7630	7529	7442	7383	7344	7393	7469			
10	7595	7751	7864	7947	8024	8076	8127	8069	7921	7700	7441	7229	7120	7087	7221	7414			
15	7744	7930	8022	8076	8166	8292	8410	8364	8156	7790	7341	6978	6803	6803	7069	7433			
20	7953	8171	8191	8166	8264	8483	8683	8647	8368	7859	7203	6677	6452	6498	6912	7508			
25	8169	8404	8366	8212	8277	8629	8898	8853	8526	7874	7026	6345	6090	6185	6725	7593			
30	8361	8596	8500	8203	8202	8690	9034	8994	8632	7831	6816	6000	5758	5866	6507	7629			
35	8512	8743	8583	8103	7961	8648	9091	9083	8694	7752	6538	5671	5436	5549	6254	7622			
40	8648	8838	8543	7872	7548	8450	9035	9125	8745	7649	6239	5350	5114	5221	6007	7592			
45	8794	8875	8316	7469	6973	8033	8789	9116	8801	7505	5970	5029	4784	4897	5776	7503			
50	8728	8781	7846	6857	6223	7342	8308	8984	8668	7272	5666	4655	4423	4532	5494	7314			
55	8639	8521	7153	6040	5383	6446	7588	8714	8542	6972	5246	4200	3994	4086	5132	7080			
60	8678	8199	6245	5061	4478	5399	6609	8421	8497	6629	4695	3647	3486	3567	4656	6838			
65	8885	7819	5244	4048	3541	4404	5496	8081	8506	6128	4002	3006	2849	2947	4038	6455			
70	9212	7278	4286	3058	2631	3462	4406	7598	8459	5426	3237	2353	2196	2318	3293	5800			
75	7881	6233	3644	2107	1756	2424	3574	6368	7124	4585	2436	1683	1482	1680	2486	4936			
80	5083	3881	3239	1178	952	1379	3027	3913	4450	3341	1681	1045	904	1060	1745	3487			
85	1831	1314	1901	445	320	551	1792	1244	1364	1306	731	568	450	554	696	1394			
90	33.1	27.4	23.1	15.6	14.3	16.4	20.7	27.3	33.2	32.3	25.5	20.6	18.9	22.0	27.6	33.8			
95	34.3	29.9	23.1	18.0	16.4	17.3	22.3	29.5	37.2	35.6	29.2	23.9	22.5	26.2	31.8	36.5			
100	38.1	33.4	26.4	21.0	19.2	20.0	25.2	32.6	41.3	39.8	33.1	28.2	26.9	30.9	36.4	40.9			
105	42.2	37.3	30.0	24.4	22.4	23.1	28.4	36.1	45.1	43.6	37.2	32.5	31.6	35.7	41.1	45.1			
110	45.9	41.2	33.8	27.9	25.6	26.3	31.6	39.5	48.3	46.9	41.1	36.7	36.3	40.4	45.8	48.9			
115	49.1	44.8	37.7	31.5	29.0	29.6	34.9	42.4	51.2	49.8	44.7	40.9	40.9	45.0	50.1	52.7			
120	52.6	48.6	41.5	35.3	32.6	33.1	38.3	45.4	54.4	52.9	48.5	45.2	45.4	49.4	54.4	56.6			
125	56.4	52.5	45.5	39.2	36.6	36.8	42.0	49.0	58.0	56.7	52.4	49.4	49.8	53.5	58.3	60.6			
130	60.5	56.4	49.3	43.1	40.4	40.7	45.8	52.9	62.2	61.0	56.5	53.6	54.0	57.5	62.1	64.7			
135	64.7	60.3	53.1	47.0	44.0	44.7	49.8	57.0	65.9	64.6	60.1	57.6	58.0	61.1	65.3	68.1			
140	68.1	63.5	56.5	50.9	48.1	48.7	53.4	60.4	68.6	67.3	63.4	61.3	61.7	64.5	67.9	70.6			
145	70.5	66.0	59.6	54.8	52.1	52.5	56.7	63.1	70.4	69.3	66.3	64.7	65.2	67.4	70.2	72.4			
150	72.2	68.0	62.4	58.3	56.2	56.4	59.8	65.3	71.9	71.1	68.9	68.0	68.5	70.0	72.1	73.7			
155	73.5	69.8	65.1	61.6	60.0	60.0	62.7	67.2	73.2	72.7	71.2	70.9	71.4	72.4	73.8	74.9			
160	74.7	71.6	67.8	64.9	63.8	63.7	65.8	69.3	74.7	74.3	73.4	73.7	74.2	74.6	75.5	76.3			
165	75.7	73.2	70.2	68.0	67.5	67.3	68.8	71.4	76.0	75.6	75.1	75.6	76.2	76.2	76.7	77.2			
170	76.6	74.6	72.3	70.7	70.6	70.4	71.5	73.4	76.8	76.2	75.8	76.2	77.0	76.8	77.0	77.4			
175	77.2	75.5	74.1	73.1	73.4	73.1	73.9	75.2	77.2	76.5	75.8	75.9	76.6	76.3	76.7	77.2			
180	77.4	76.3	75.4	75.0	75.5	75.2	75.7	76.5	77.4	76.4	75.3	75.0	75.5	75.2	75.7	76.5			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

□ 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: