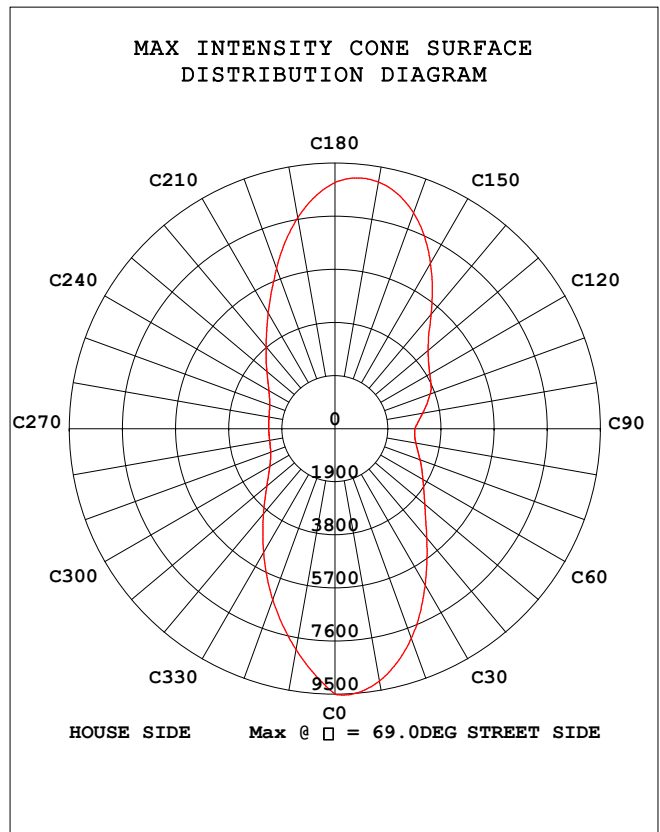
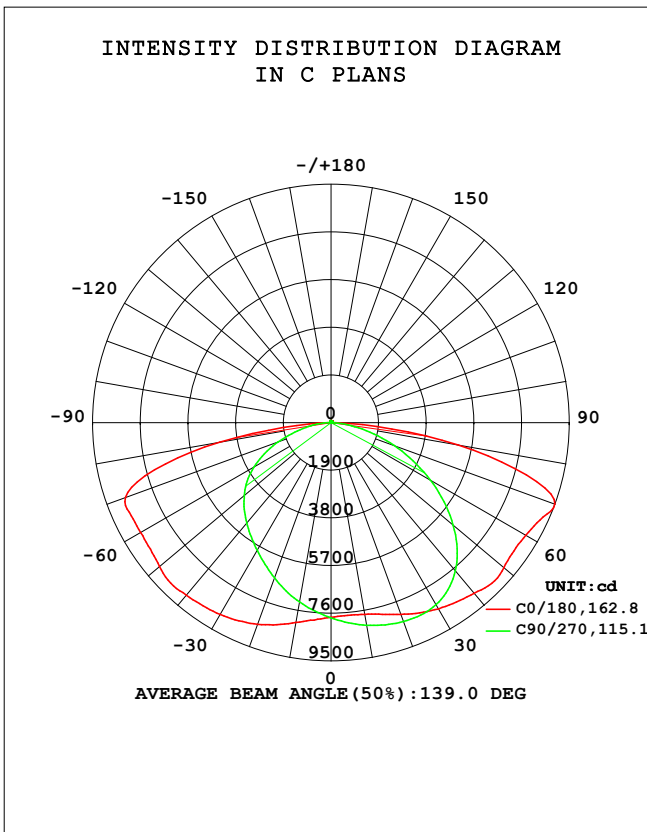


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-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: 172.56 lm/W			
MODEL		Imax(cd)	9499	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	200	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	55.3
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	34227	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	34226.8	MAXIMUM @ (C, \square)	0,69.0	<input type="checkbox"/> house_down(%)	43.8
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	0.9	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	277	<input type="checkbox"/> down(%)	99.1	SLI	25.749

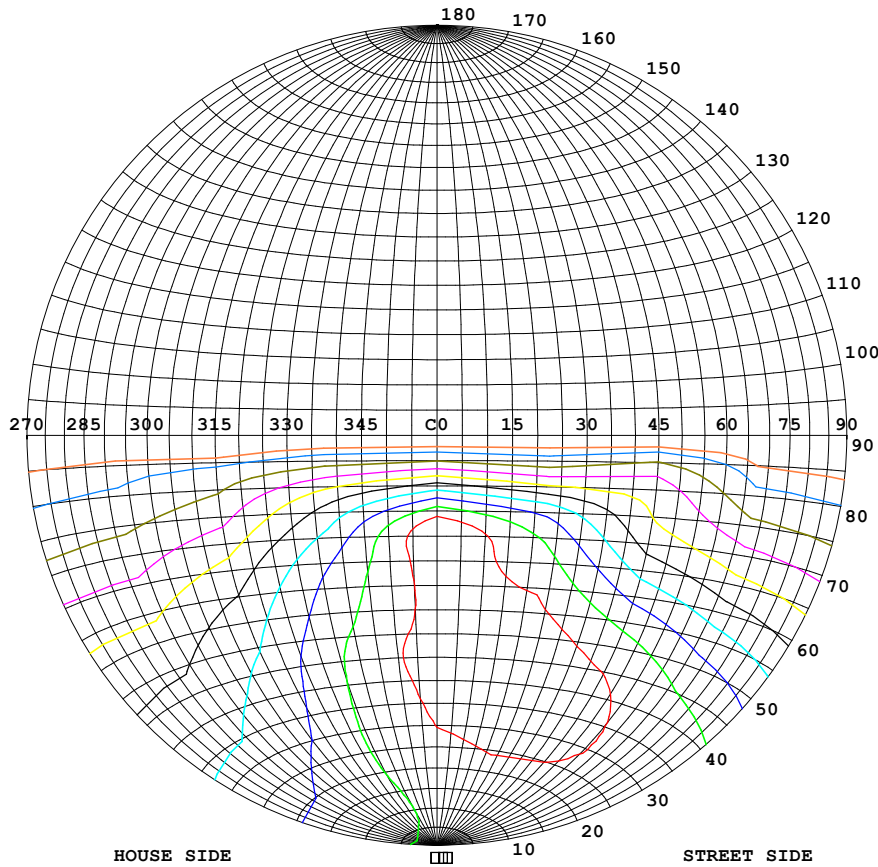


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-27

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:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



Classification:

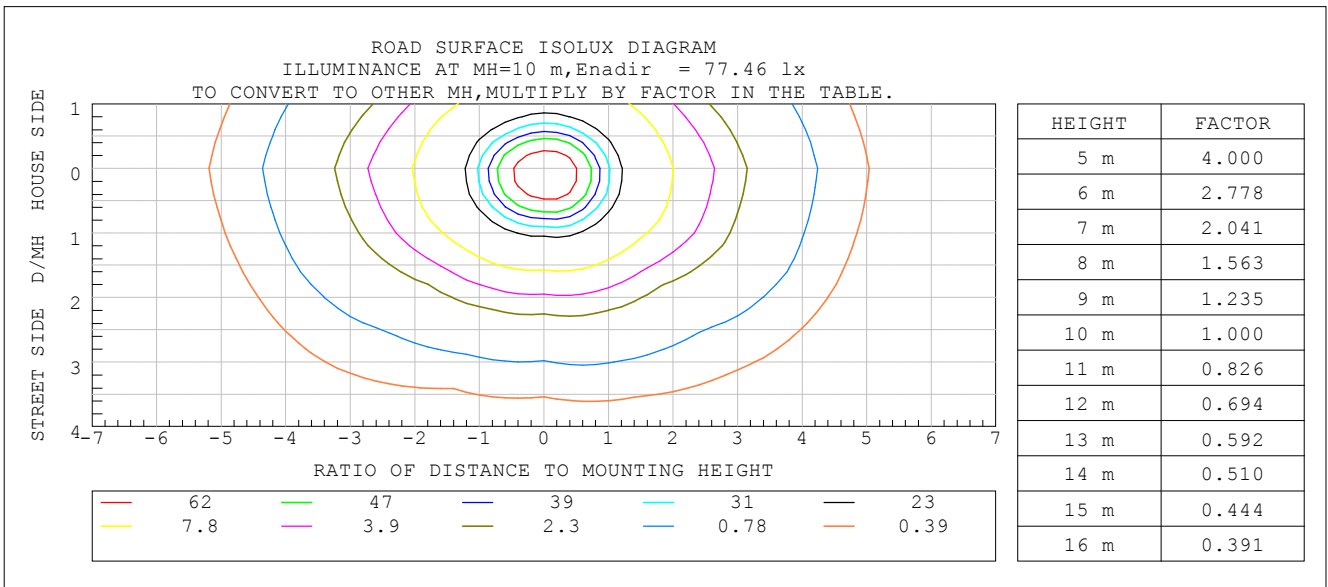
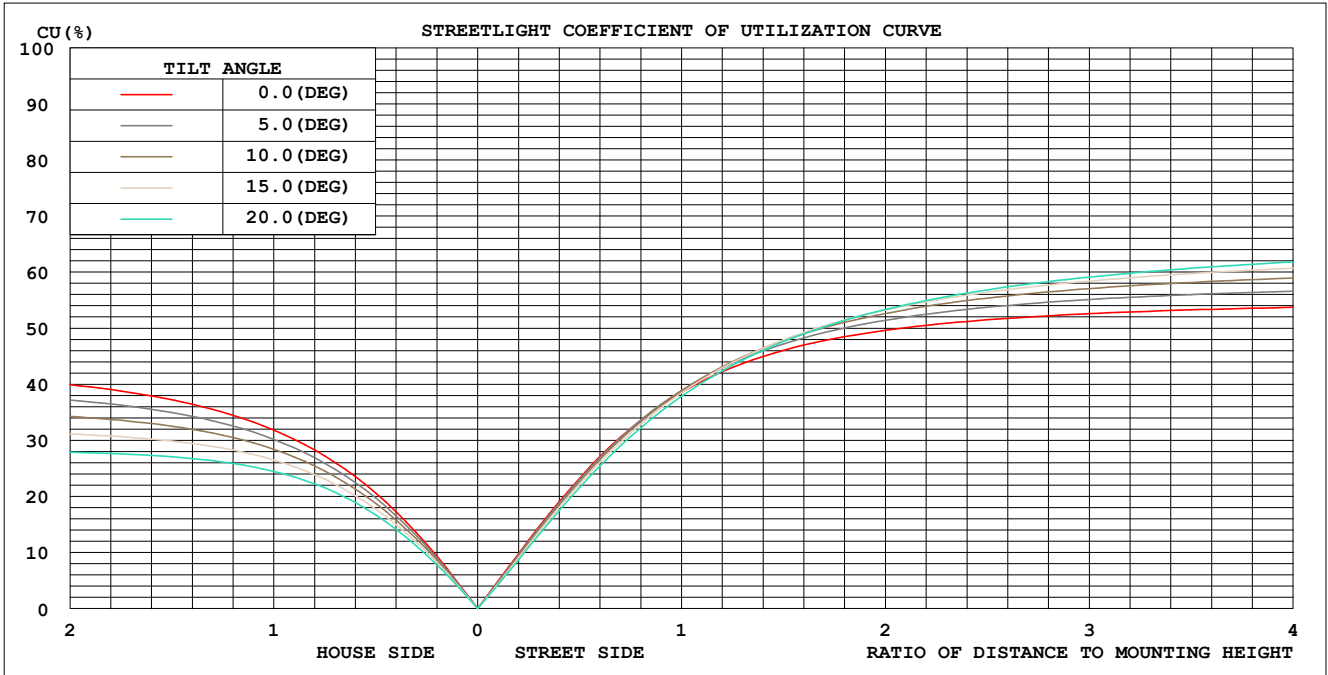
IES:Type VS - Medium
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:150.6cd/klm
 Max.At90:2.703cd/klm
 Max.80-90:150.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9499
90%	8549
80%	7599
70%	6649
60%	5700
50%	4750
40%	3800
30%	2850
20%	1900
10%	950
5%	475

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:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

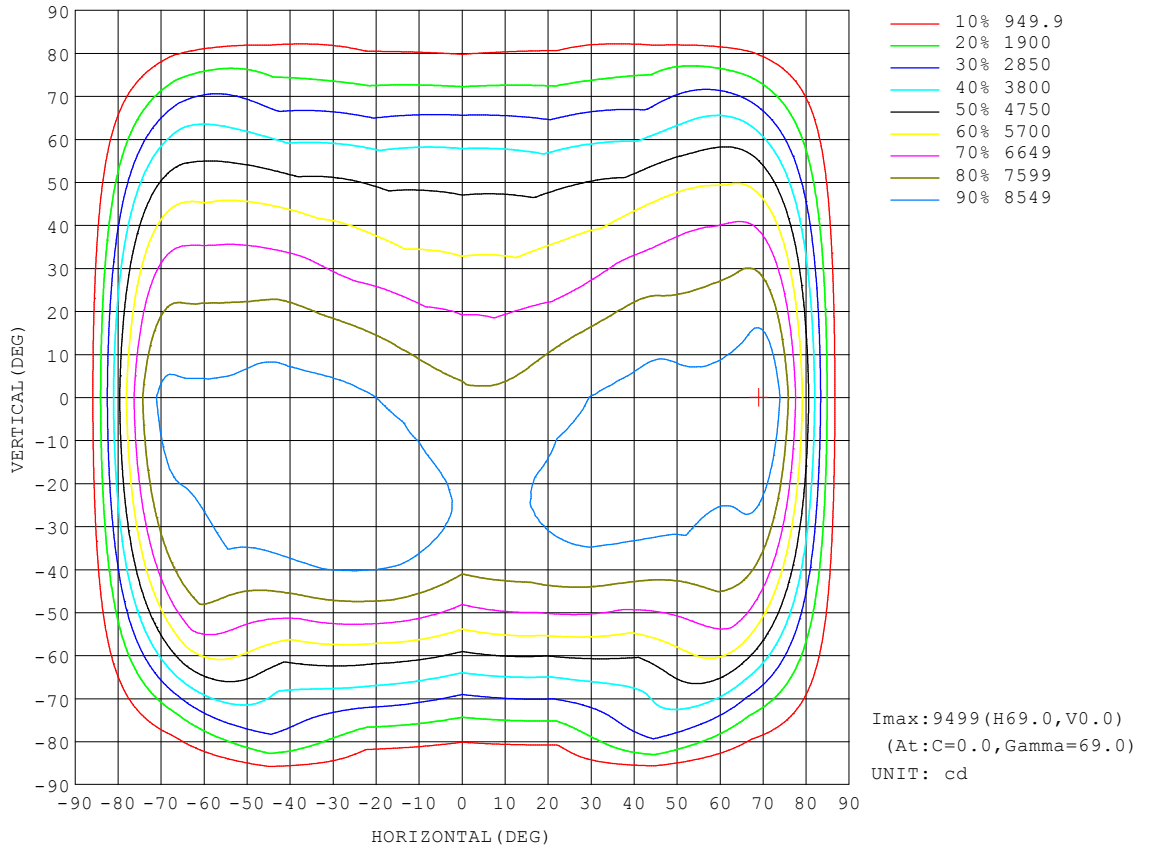
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	7760	8030	8198	8294	8087	7602	7264	7374	0- 10	744.4	744.4	2.17,2.17
20	8132	8376	8439	8874	8550	7359	6591	7058	10- 20	2234	2979	8.7,8.7
30	8570	8708	8374	9252	8828	6957	5885	6648	20- 30	3669	6648	19.4,19.4
40	8877	8754	7707	9245	8973	6385	5227	6151	30- 40	4903	11551	33.7,33.7
50	8998	8041	6358	8510	8923	5813	4520	5642	40- 50	5763	17314	50.6,50.6
60	8969	6404	4570	6773	8768	4806	3558	4779	50- 60	5948	23262	68,68
70	9494	4413	2680	4538	8720	3329	2239	3375	60- 70	5433	28695	83.8,83.8
80	5155	3369	970.1	3163	4512	1718	920.7	1787	70- 80	4021	32716	95.6,95.6
90	35.31	22.65	14.60	92.53	34.09	26.12	19.35	28.34	80- 90	1207	33922	99.1,99.1
100	39.16	27.10	19.66	25.88	42.37	34.01	27.56	37.37	90-100	30.69	33953	99.2,99.2
110	47.20	34.68	26.20	32.47	49.61	42.16	37.17	46.98	100-110	37.64	33991	99.3,99.3
120	54.00	42.61	33.34	39.31	55.85	49.79	46.43	55.74	110-120	42.88	34033	99.4,99.4
130	62.04	50.55	41.36	46.97	63.86	57.90	55.24	63.71	120-130	45.75	34079	99.6,99.6
140	69.86	57.91	49.19	54.74	70.35	64.93	63.13	69.65	130-140	45.57	34125	99.7,99.7
150	74.10	63.98	57.48	61.27	73.74	70.51	70.00	73.97	140-150	40.98	34166	99.8,99.8
160	76.51	69.36	65.30	67.40	76.60	75.23	75.87	77.31	150-160	32.55	34198	99.9,99.9
170	78.44	74.01	72.23	73.27	78.68	77.65	78.79	78.90	160-170	21.16	34219	100,100
180	79.30	77.17	77.30	77.53	79.22	77.11	77.29	77.49	170-180	7.349	34227	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

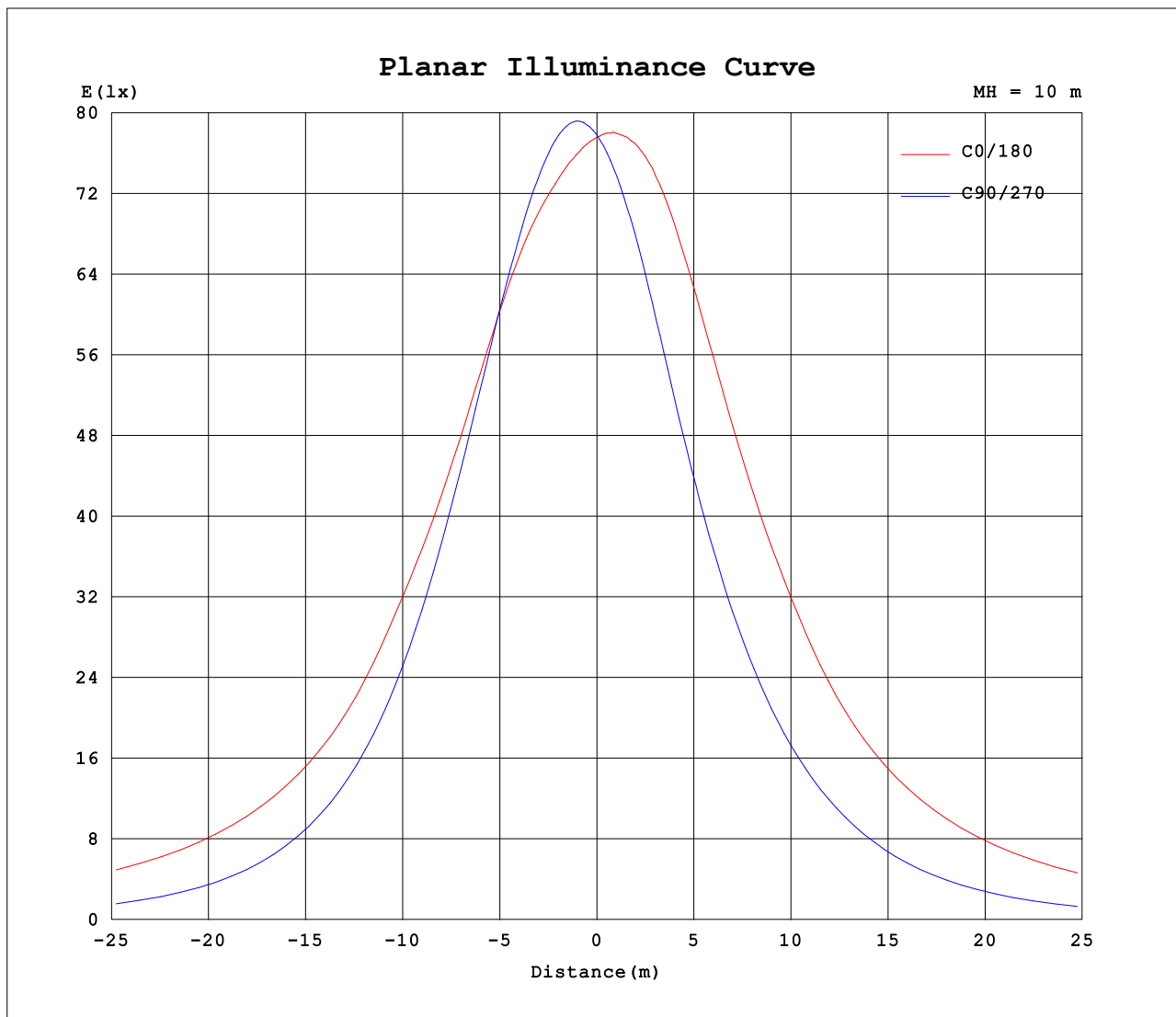
Test:U:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-PRO-200BR_200W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



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



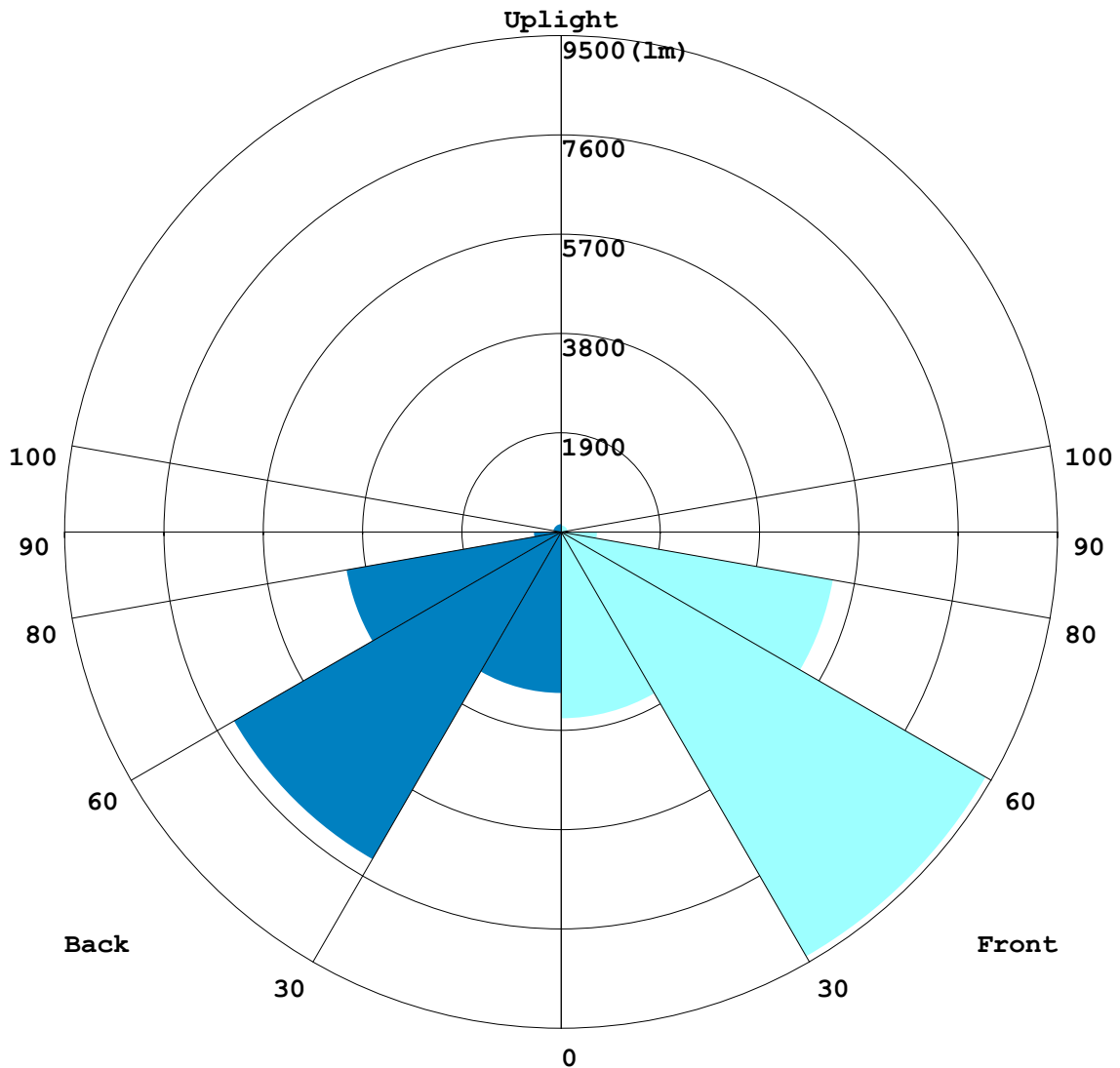
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2023-09-27

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:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-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:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-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)	3566.7	10.4
FM - Front-Medium(30-60)	9382	27.4
FH - Front-High(60-80)	5282.1	15.4
FVH - Front-Very High(80-90)	684.53	2.0
Total Forward Light	19054	55.7

BL - Back-Low(0-30)	3081	9.0
BM - Back-Medium(30-60)	7232.2	21.1
BH - Back-High(60-80)	4171.5	12.2
BVH - Back-Very High(80-90)	522.19	1.5
Total Back Light	15173	44.3

UL - Uplight-Low(90-100)	30.693	0.1
UH - Uplight-High(100-180)	273.88	0.8
Total Up Light	304.58	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15007	165.73	15173
Street Side	18915	138.85	19054

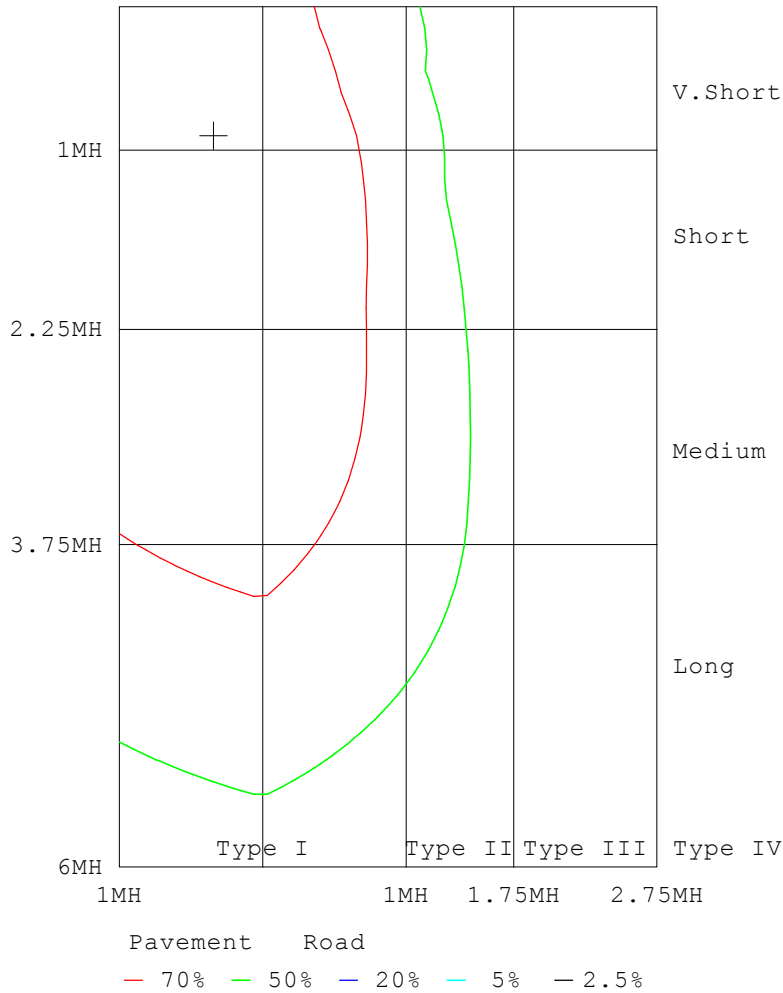
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-09-27

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:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-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:277.2V I:0.7159A P:198.3W PF:0.9835 Freq:59.97Hz Lamp Flux:34226.8x1 lm		
NAME: ASD-LSB5A-HV-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	7756	7764	7773	7782	7782	7745	7761	7770	7756	7764	7773	7782	7782	7745	7761	7770			
5	7710	7807	7886	7958	8007	8006	8019	7981	7898	7791	7685	7593	7534	7501	7551	7635			
10	7760	7918	8030	8120	8198	8250	8294	8245	8087	7861	7602	7381	7264	7239	7374	7578			
15	7908	8106	8193	8245	8345	8476	8590	8564	8333	7949	7498	7125	6945	6948	7220	7596			
20	8132	8357	8376	8341	8439	8670	8874	8844	8550	8027	7359	6821	6591	6638	7058	7678			
25	8365	8600	8560	8395	8462	8814	9096	9065	8712	8048	7180	6485	6234	6316	6870	7762			
30	8570	8809	8708	8391	8374	8878	9252	9215	8828	8007	6957	6136	5885	5999	6648	7813			
35	8721	8965	8778	8275	8134	8843	9310	9304	8907	7930	6687	5794	5552	5669	6399	7814			
40	8877	9082	8754	8038	7707	8635	9245	9369	8973	7839	6385	5473	5227	5343	6151	7796			
45	9059	9133	8522	7626	7117	8190	9003	9368	9043	7704	6121	5144	4893	5014	5925	7729			
50	8998	9045	8041	6999	6358	7504	8510	9227	8923	7470	5813	4768	4520	4637	5642	7540			
55	8908	8776	7332	6161	5499	6582	7775	8964	8794	7169	5380	4294	4084	4175	5266	7299			
60	8969	8453	6404	5172	4570	5521	6773	8658	8768	6813	4806	3725	3558	3641	4779	7053			
65	9188	8056	5381	4134	3612	4504	5644	8307	8786	6295	4103	3065	2932	3010	4146	6665			
70	9494	7491	4413	3148	2680	3540	4538	7787	8720	5579	3329	2400	2239	2368	3375	5987			
75	8059	6396	3791	2147	1789	2475	3713	6458	7287	4708	2492	1714	1511	1714	2550	5103			
80	5155	3938	3369	1202	970	1406	3163	3883	4512	3400	1718	1064	921	1082	1787	3623			
85	1842	1337	1948	454	326	560	1859	1189	1378	1325	742	577	456	566	705	1469			
90	35.3	28.1	22.6	15.9	14.6	16.8	92.5	27.8	34.1	32.6	26.1	21.1	19.4	22.5	28.3	35.1			
95	35.3	30.7	23.7	18.4	16.8	17.8	23.0	30.4	38.2	36.6	30.0	24.5	23.1	26.8	32.7	37.3			
100	39.2	34.3	27.1	21.5	19.7	20.5	25.9	33.6	42.4	40.9	34.0	28.8	27.6	31.6	37.4	41.9			
105	43.4	38.4	30.7	25.0	22.9	23.7	29.1	37.3	46.4	44.7	38.2	33.2	32.4	36.5	42.2	46.1			
110	47.2	42.3	34.7	28.6	26.2	26.9	32.5	40.7	49.6	48.2	42.2	37.5	37.2	41.4	47.0	50.0			
115	50.5	46.0	38.6	32.3	29.6	30.3	35.7	43.7	52.6	51.2	45.9	41.9	41.8	46.1	51.4	54.0			
120	54.0	49.9	42.6	36.2	33.3	33.9	39.3	46.8	55.9	54.3	49.8	46.2	46.4	50.5	55.7	58.0			
125	57.9	53.9	46.6	40.1	37.4	37.7	43.1	50.5	59.6	58.2	53.8	50.6	50.9	54.8	59.8	62.0			
130	62.0	57.9	50.5	44.1	41.4	41.7	47.0	54.5	63.9	62.5	57.9	54.9	55.2	58.9	63.7	66.2			
135	66.3	61.9	54.5	48.2	45.1	45.8	51.1	58.6	67.6	66.3	61.6	58.9	59.3	62.6	67.0	69.7			
140	69.9	65.2	57.9	52.1	49.2	49.8	54.7	62.1	70.3	69.1	64.9	62.7	63.1	66.0	69.6	72.4			
145	72.3	67.7	61.0	56.0	53.4	53.7	58.1	64.8	72.2	71.1	67.8	66.3	66.7	69.0	71.9	74.1			
150	74.1	69.7	64.0	59.7	57.5	57.7	61.3	67.1	73.7	72.9	70.5	69.6	70.0	71.7	74.0	75.5			
155	75.4	71.6	66.8	63.1	61.3	61.4	64.3	69.0	75.1	74.5	73.0	72.6	73.0	74.1	75.6	76.8			
160	76.5	73.3	69.4	66.4	65.3	65.2	67.4	71.1	76.6	76.1	75.2	75.4	75.9	76.4	77.3	78.1			
165	77.6	75.0	71.9	69.6	69.0	68.9	70.5	73.2	77.9	77.4	76.9	77.3	78.0	78.0	78.5	79.1			
170	78.4	76.3	74.0	72.4	72.2	72.1	73.3	75.3	78.7	78.1	77.6	78.0	78.8	78.5	78.9	79.3			
175	79.1	77.4	75.8	74.8	75.1	74.9	75.7	77.0	79.1	78.3	77.7	77.8	78.4	78.1	78.5	79.0			
180	79.3	78.1	77.2	76.7	77.3	76.9	77.5	78.4	79.2	78.2	77.1	76.8	77.3	77.0	77.5	78.4			

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: