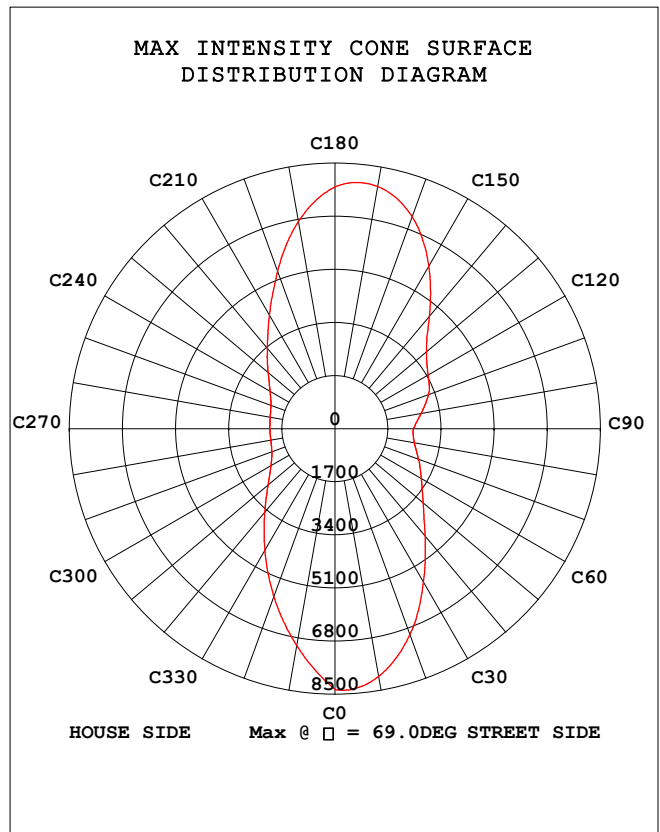
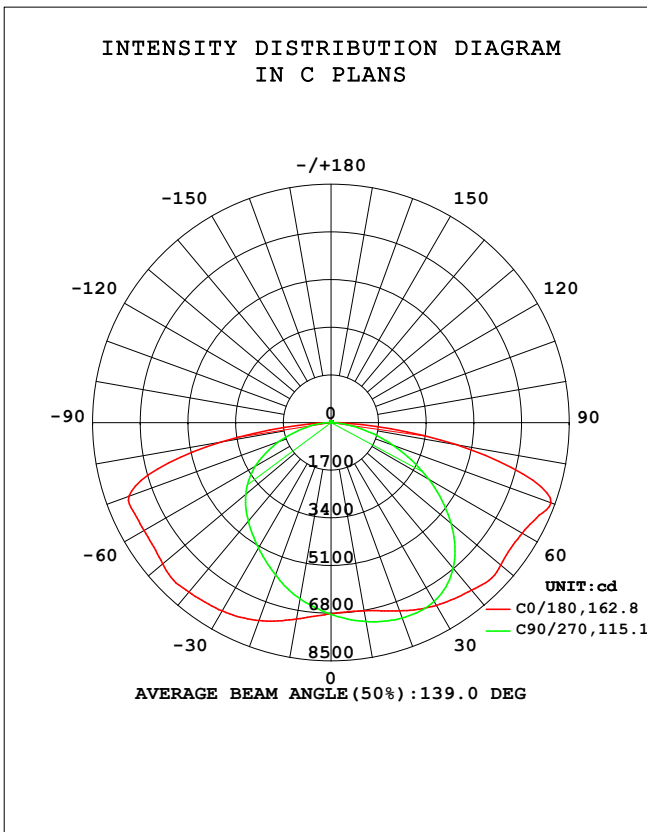


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	TYPE:	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.77 lm/W			
MODEL	ASD-LSB5-200D50BR	Imax (cd)	8346	<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)	30071	<input type="checkbox"/> house_up (%)	0.5
NOMINAL FLUX (lm)	30071.4	MAXIMUM @ (C, <input type="checkbox"/>)	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)	120	<input type="checkbox"/> down (%)	99.1	SLI	25.563

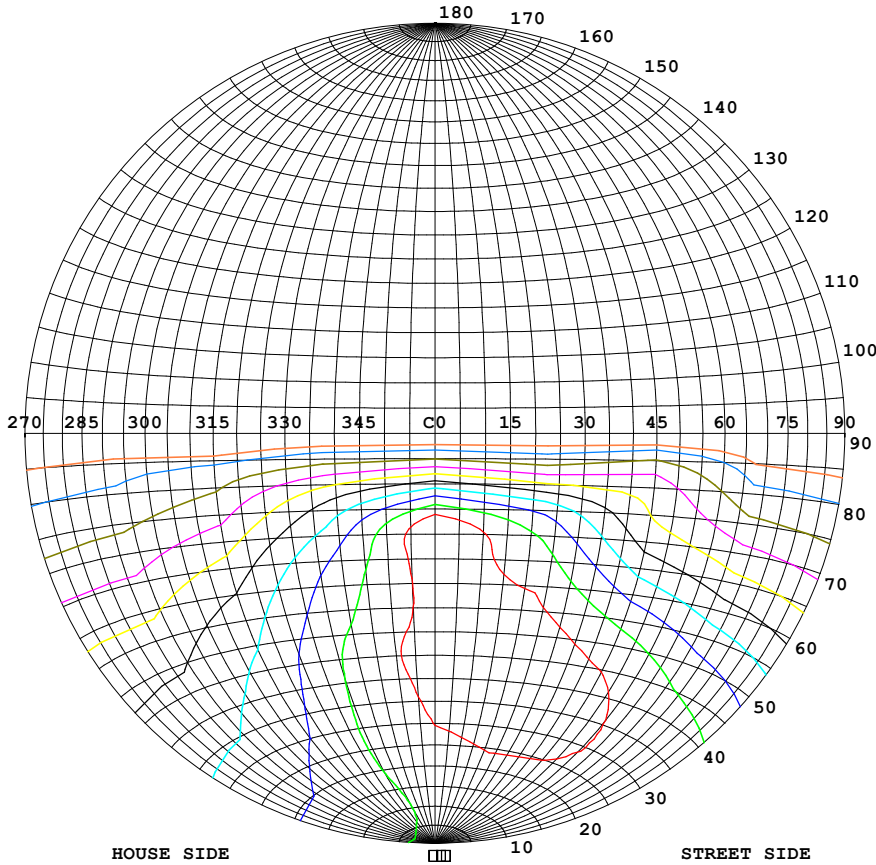


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-10-27

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:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



Classification:

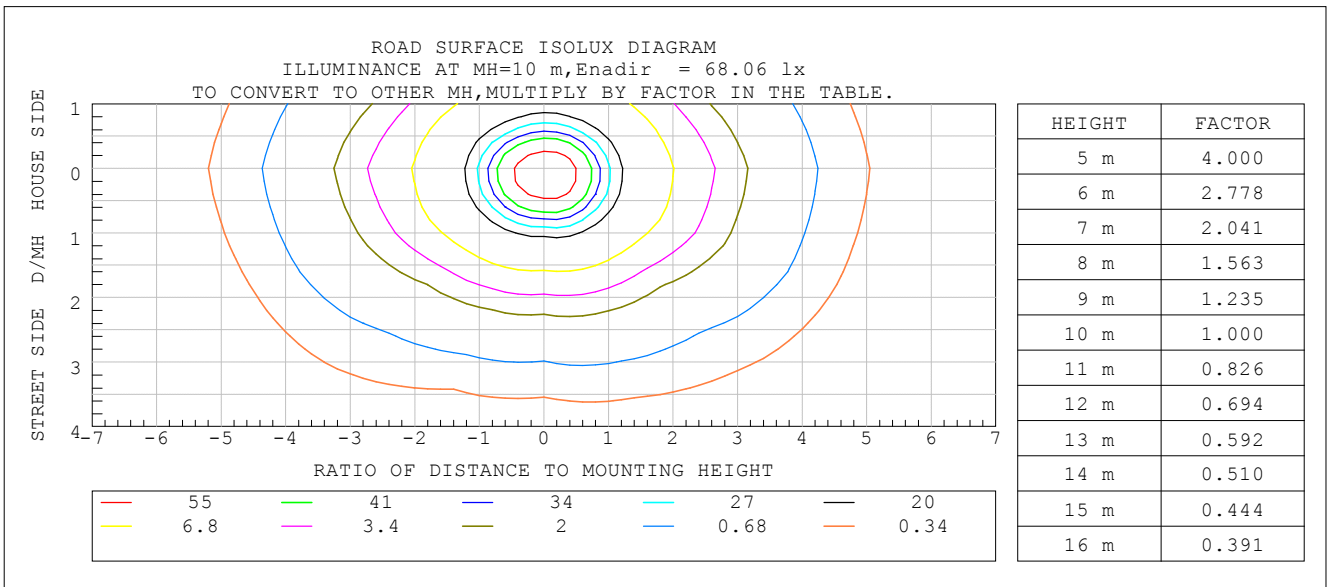
IES:Type VS - Medium
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:150.6cd/klm
 Max.At90:2.703cd/klm
 Max.80-90:150.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	8346
90%	7511
80%	6677
70%	5842
60%	5008
50%	4173
40%	3338
30%	2504
20%	1669
10%	835
5%	417

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-10-27

□ 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: 2023-10-27

□ 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:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

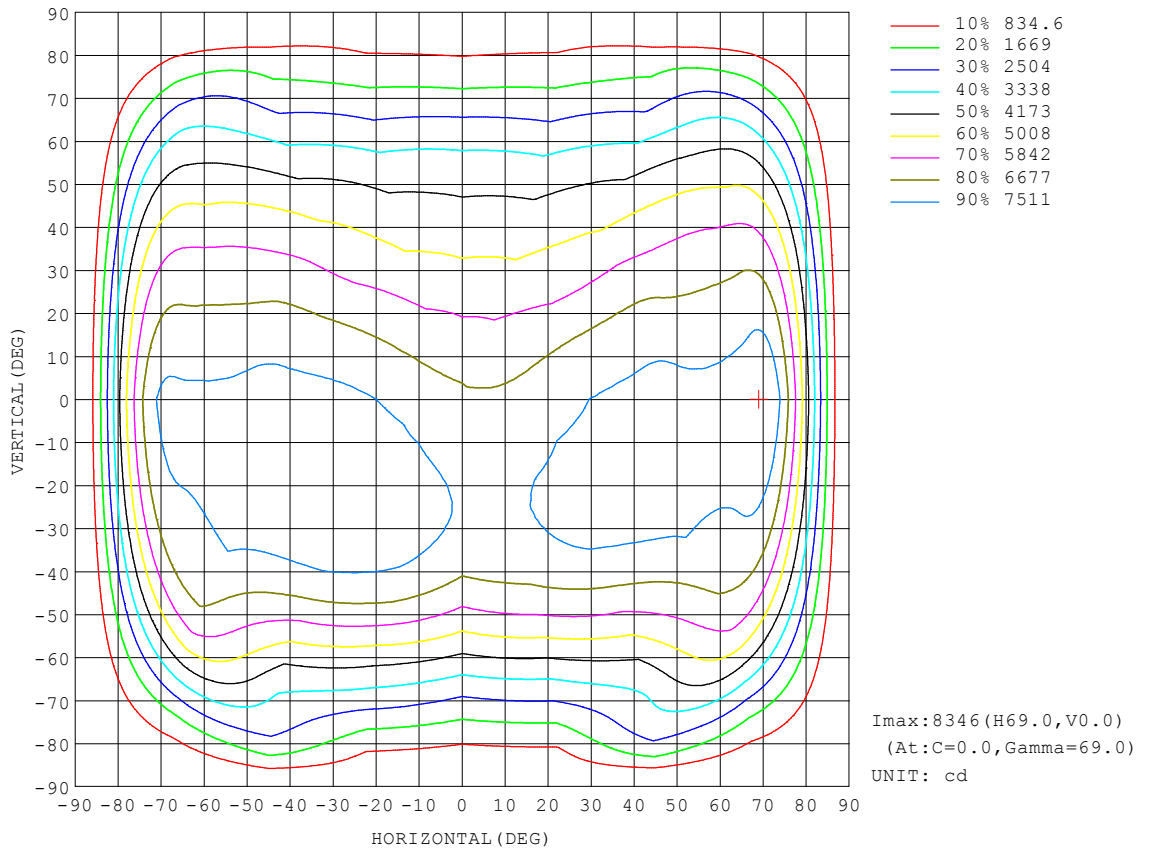
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum,lamp
10	6818	7055	7203	7287	7106	6679	6382	6479	0- 10	654.0	654.0	2.17,2.17
20	7144	7359	7414	7796	7512	6465	5791	6201	10- 20	1963	2617	8.7,8.7
30	7529	7651	7358	8129	7756	6113	5171	5841	20- 30	3224	5841	19.4,19.4
40	7800	7691	6772	8122	7884	5609	4592	5404	30- 40	4308	10148	33.7,33.7
50	7906	7064	5587	7477	7839	5107	3971	4957	40- 50	5064	15212	50.6,50.6
60	7880	5627	4015	5951	7704	4222	3126	4199	50- 60	5226	20438	68,68
70	8342	3877	2354	3987	7662	2925	1967	2965	60- 70	4773	25211	83.8,83.8
80	4529	2960	852.4	2779	3964	1510	808.9	1570	70- 80	3533	28744	95.6,95.6
90	31.03	19.90	12.83	81.29	29.95	22.95	17.00	24.90	80- 90	1060	29804	99.1,99.1
100	34.41	23.81	17.28	22.74	37.23	29.88	24.22	32.83	90-100	26.97	29831	99.2,99.2
110	41.47	30.47	23.02	28.52	43.59	37.04	32.66	41.27	100-110	33.07	29864	99.3,99.3
120	47.44	37.44	29.29	34.53	49.07	43.74	40.79	48.97	110-120	37.68	29902	99.4,99.4
130	54.51	44.41	36.34	41.27	56.11	50.87	48.53	55.97	120-130	40.20	29942	99.6,99.6
140	61.38	50.88	43.22	48.10	61.81	57.05	55.47	61.19	130-140	40.04	29982	99.7,99.7
150	65.10	56.21	50.50	53.83	64.79	61.95	61.50	64.99	140-150	36.01	30018	99.8,99.8
160	67.22	60.94	57.38	59.21	67.30	66.09	66.66	67.93	150-160	28.60	30046	99.9,99.9
170	68.91	65.02	63.46	64.38	69.13	68.22	69.23	69.32	160-170	18.59	30065	100,100
180	69.68	67.80	67.91	68.12	69.60	67.75	67.90	68.08	170-180	6.456	30071	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:2023-10-27

□ 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

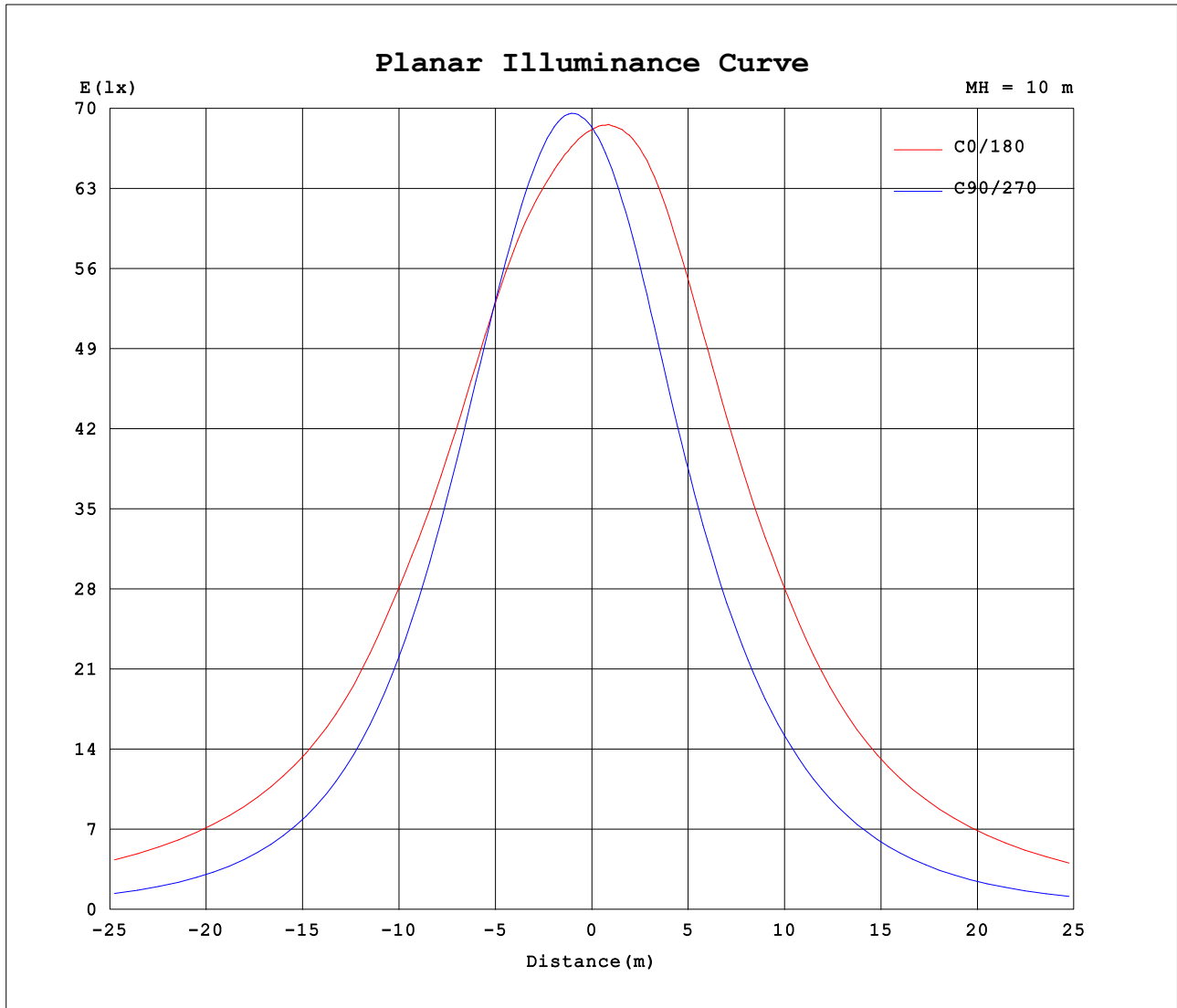
Test:U:120.3V I:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-10-27

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



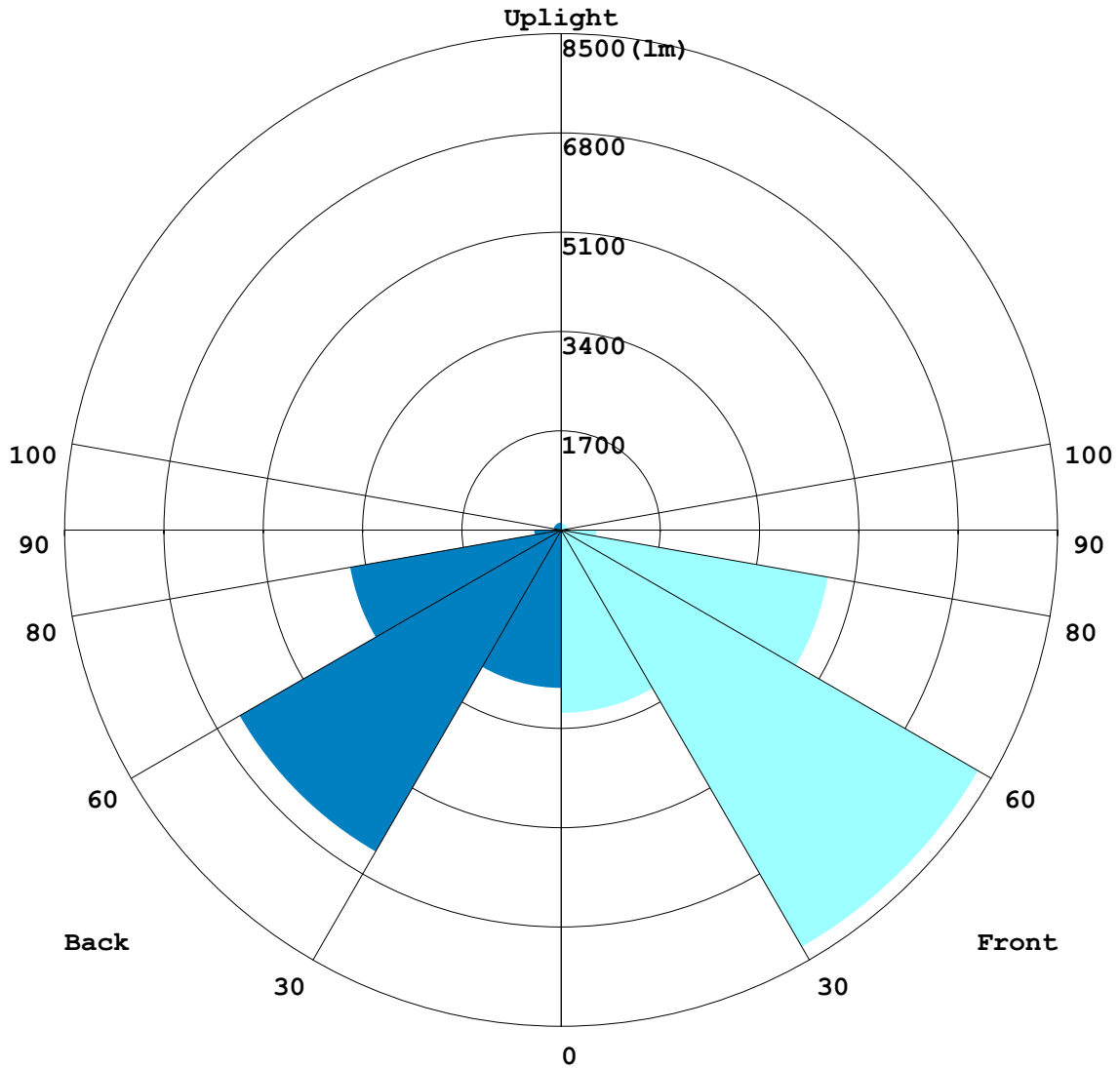
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-10-27

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:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	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:2023-10-27

□ 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:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	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)	3133.7	10.4
FM - Front-Medium(30-60)	8242.9	27.4
FH - Front-High(60-80)	4640.8	15.4
FVH - Front-Very High(80-90)	601.42	2.0
Total Forward Light	16741	55.7

BL - Back-Low(0-30)	2707	9.0
BM - Back-Medium(30-60)	6354.2	21.1
BH - Back-High(60-80)	3665	12.2
BVH - Back-Very High(80-90)	458.79	1.5
Total Back Light	13331	44.3

UL - Uplight-Low(90-100)	26.967	0.1
UH - Uplight-High(100-180)	240.63	0.8
Total Up Light	267.6	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13185	145.61	13331
Street Side	16619	121.99	16741

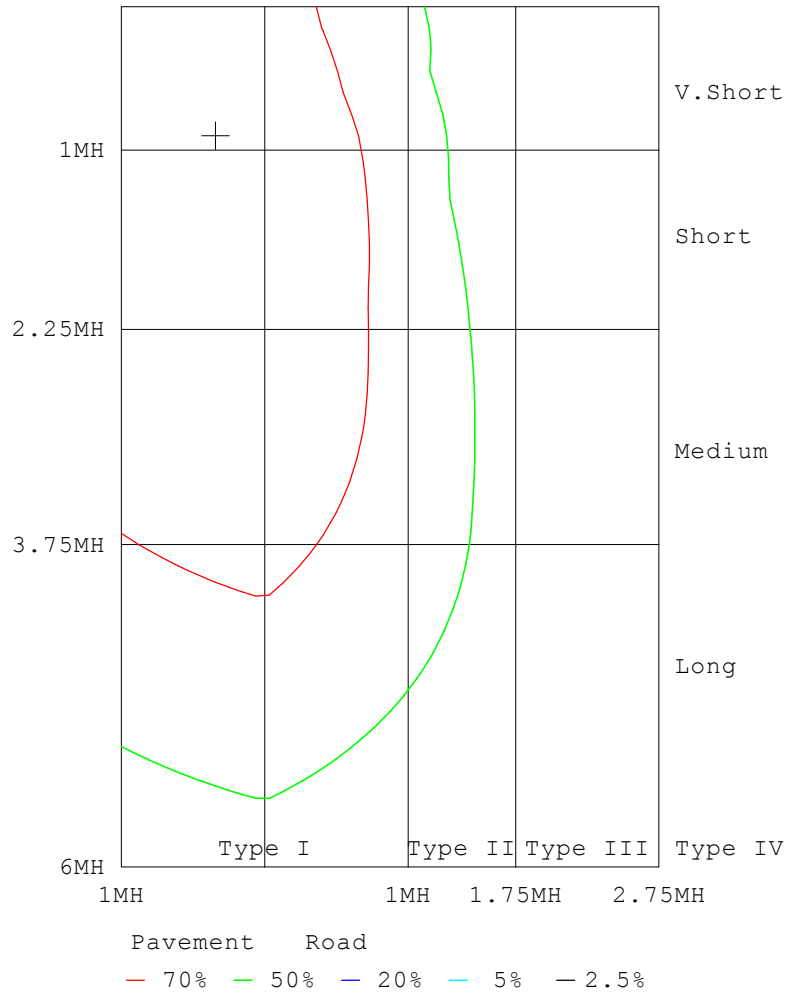
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-10-27

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:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	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:2023-10-27

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:1.659A P:198.1W PF:0.9898 Freq:59.99Hz Lamp Flux:30071.4x1 lm		
NAME: ASD-LSB5-200D50BR	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	6814	6822	6830	6837	6837	6805	6819	6827	6814	6822	6830	6837	6837	6805	6819	6827			
5	6774	6859	6929	6991	7035	7034	7045	7012	6939	6845	6752	6671	6619	6590	6634	6708			
10	6818	6956	7055	7134	7203	7248	7287	7244	7106	6907	6679	6485	6382	6360	6479	6658			
15	6948	7122	7198	7244	7332	7447	7547	7524	7321	6984	6588	6260	6102	6105	6344	6673			
20	7144	7342	7359	7328	7414	7618	7796	7770	7512	7053	6465	5993	5791	5832	6201	6745			
25	7349	7556	7520	7376	7435	7744	7992	7964	7654	7071	6308	5698	5477	5549	6036	6820			
30	7529	7740	7651	7372	7358	7800	8129	8096	7756	7035	6113	5391	5171	5270	5841	6864			
35	7662	7876	7713	7270	7147	7770	8180	8174	7825	6968	5875	5091	4878	4981	5622	6865			
40	7800	7979	7691	7063	6772	7587	8122	8231	7884	6887	5609	4808	4592	4694	5404	6849			
45	7960	8024	7488	6701	6253	7196	7910	8231	7945	6769	5378	4520	4299	4405	5206	6791			
50	7906	7947	7064	6149	5587	6593	7477	8107	7839	6563	5107	4189	3971	4074	4957	6624			
55	7826	7711	6442	5413	4832	5783	6831	7876	7726	6299	4727	3773	3588	3668	4627	6413			
60	7880	7426	5627	4544	4015	4850	5951	7606	7704	5986	4222	3273	3126	3199	4199	6197			
65	8072	7078	4728	3632	3174	3957	4958	7299	7719	5531	3605	2693	2576	2644	3642	5856			
70	8342	6582	3877	2766	2354	3110	3987	6842	7662	4902	2925	2109	1967	2080	2965	5260			
75	7081	5620	3330	1887	1572	2174	3262	5674	6402	4136	2190	1506	1327	1506	2241	4483			
80	4529	3460	2960	1056	852	1236	2779	3412	3964	2987	1510	935	809	951	1570	3183			
85	1618	1175	1711	399	286	492	1633	1045	1211	1164	652	507	401	497	619	1291			
90	31.0	24.7	19.9	14.0	12.8	14.8	81.3	24.4	29.9	28.6	22.9	18.5	17.0	19.8	24.9	30.8			
95	31.0	27.0	20.8	16.2	14.8	15.6	20.2	26.7	33.5	32.1	26.3	21.5	20.3	23.5	28.7	32.8			
100	34.4	30.1	23.8	18.9	17.3	18.0	22.7	29.5	37.2	35.9	29.9	25.3	24.2	27.7	32.8	36.8			
105	38.1	33.7	27.0	22.0	20.1	20.8	25.6	32.8	40.8	39.3	33.6	29.2	28.4	32.1	37.1	40.5			
110	41.5	37.2	30.5	25.1	23.0	23.6	28.5	35.8	43.6	42.3	37.0	33.0	32.7	36.3	41.3	44.0			
115	44.4	40.4	33.9	28.4	26.0	26.6	31.4	38.4	46.2	44.9	40.3	36.8	36.8	40.5	45.2	47.4			
120	47.4	43.8	37.4	31.8	29.3	29.8	34.5	41.1	49.1	47.7	43.7	40.6	40.8	44.4	49.0	50.9			
125	50.8	47.3	40.9	35.3	32.9	33.2	37.9	44.4	52.4	51.1	47.2	44.4	44.7	48.1	52.5	54.5			
130	54.5	50.9	44.4	38.7	36.3	36.6	41.3	47.9	56.1	55.0	50.9	48.2	48.5	51.8	56.0	58.2			
135	58.3	54.4	47.8	42.3	39.6	40.2	44.9	51.5	59.4	58.3	54.2	51.8	52.1	55.0	58.9	61.3			
140	61.4	57.2	50.9	45.8	43.2	43.8	48.1	54.6	61.8	60.7	57.1	55.1	55.5	57.9	61.2	63.6			
145	63.5	59.5	53.6	49.2	46.9	47.2	51.0	57.0	63.4	62.5	59.6	58.2	58.6	60.6	63.2	65.1			
150	65.1	61.2	56.2	52.5	50.5	50.7	53.8	58.9	64.8	64.0	61.9	61.1	61.5	63.0	65.0	66.3			
155	66.2	62.9	58.7	55.4	53.9	54.0	56.5	60.7	66.0	65.4	64.1	63.8	64.2	65.1	66.5	67.4			
160	67.2	64.4	60.9	58.4	57.4	57.3	59.2	62.5	67.3	66.9	66.1	66.3	66.7	67.1	67.9	68.6			
165	68.2	65.9	63.2	61.2	60.7	60.5	61.9	64.4	68.4	68.0	67.5	68.0	68.5	68.5	69.0	69.5			
170	68.9	67.1	65.0	63.6	63.5	63.3	64.4	66.2	69.1	68.6	68.2	68.5	69.2	69.0	69.3	69.7			
175	69.5	68.0	66.6	65.7	66.0	65.8	66.5	67.7	69.5	68.8	68.2	68.3	68.9	68.6	69.0	69.4			
180	69.7	68.6	67.8	67.4	67.9	67.6	68.1	68.8	69.6	68.7	67.8	67.5	67.9	67.6	68.1	68.9			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-10-27

□ 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: