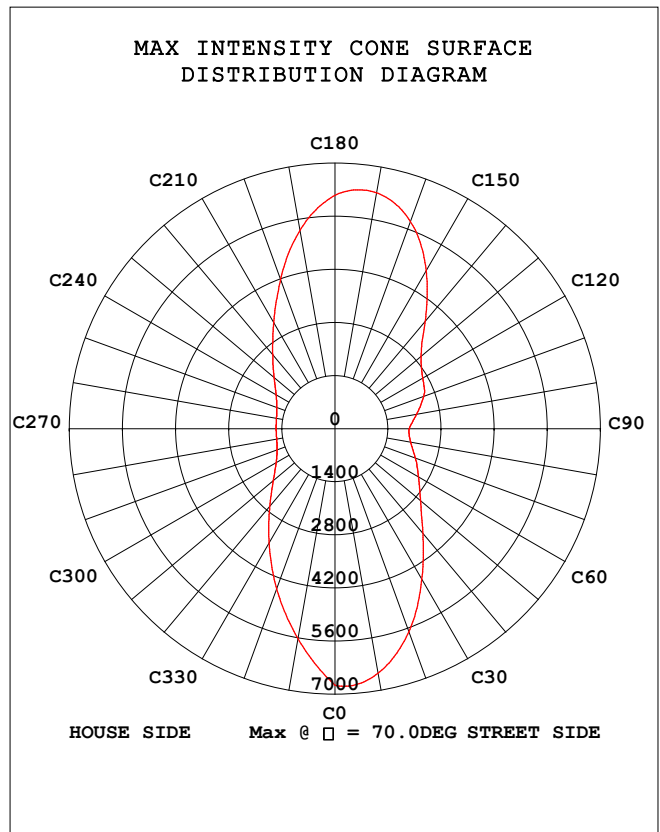
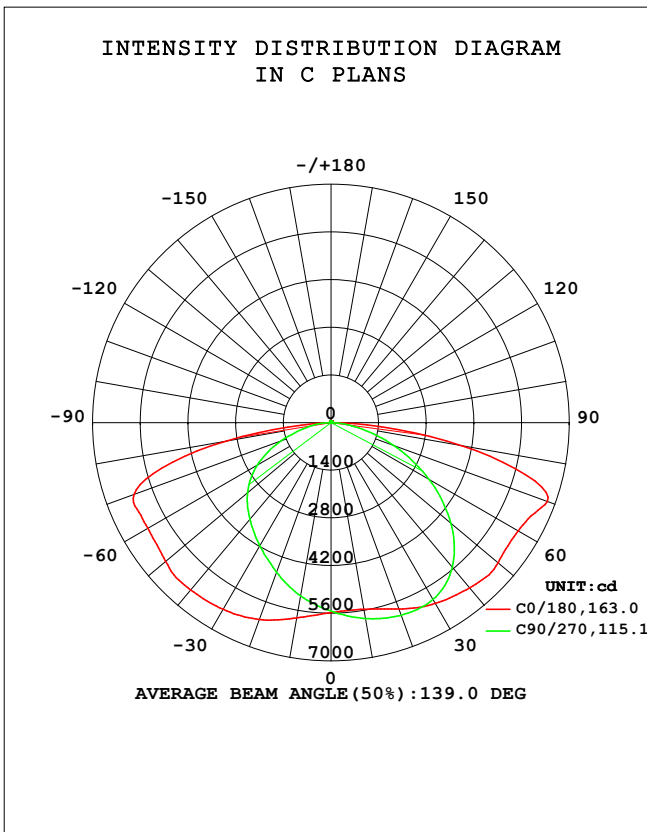


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:277.2V I:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.31 lm/W			
MODEL		Imax(cd)	6763	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	150	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	55.7
RATED VOLTAGE(V)	277-480	TOTAL FLUX(lm)	24433	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	24432.9	MAXIMUM @ (C, <input type="checkbox"/>)	0,70.0	<input type="checkbox"/> house_down(%)	43.4
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	25.290

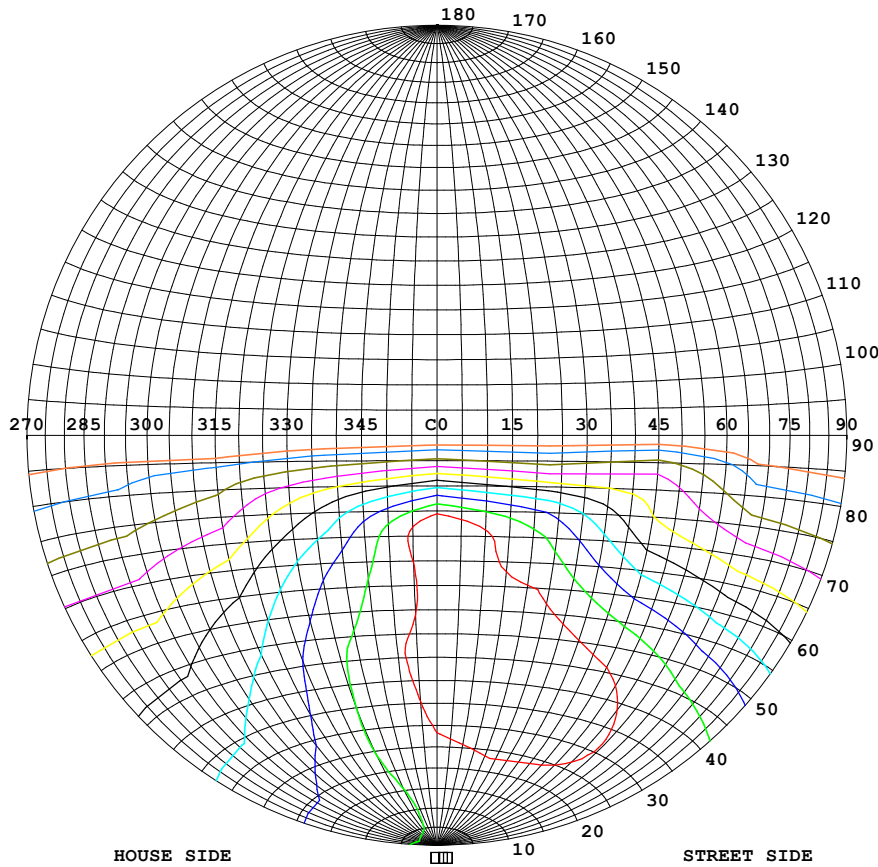


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

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:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



Classification:

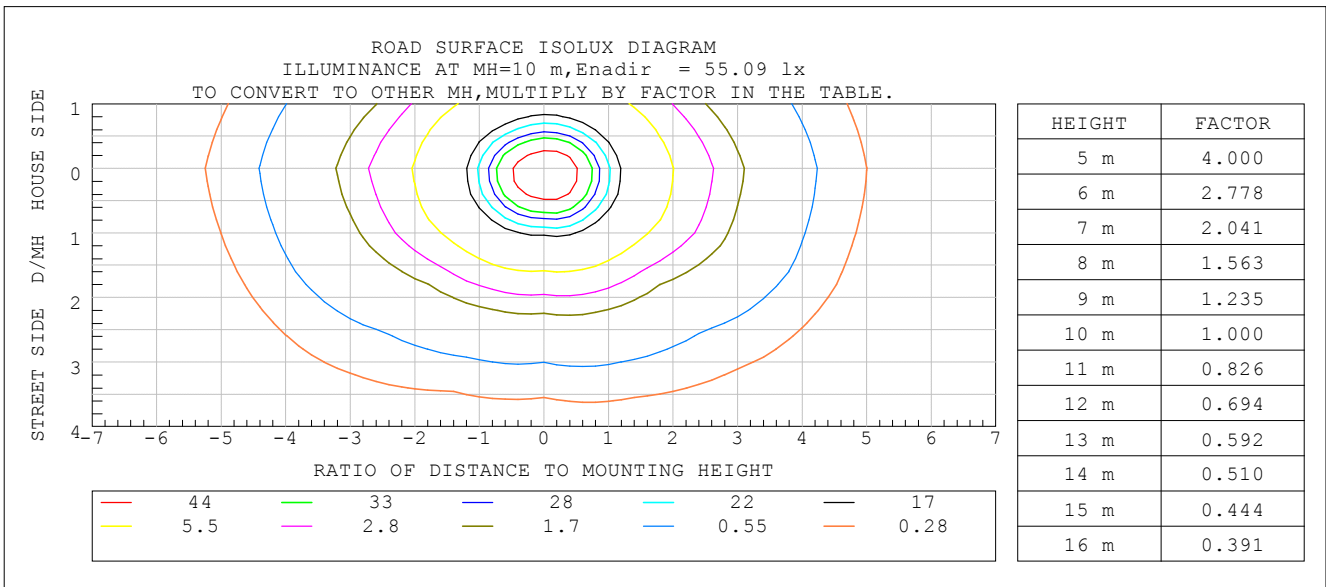
IES:Type VS - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:159.7cd/klm
 Max.At90:3.924cd/klm
 Max.80-90:159.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6763
90%	6087
80%	5411
70%	4734
60%	4058
50%	3382
40%	2705
30%	2029
20%	1353
10%	676
5%	338

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:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

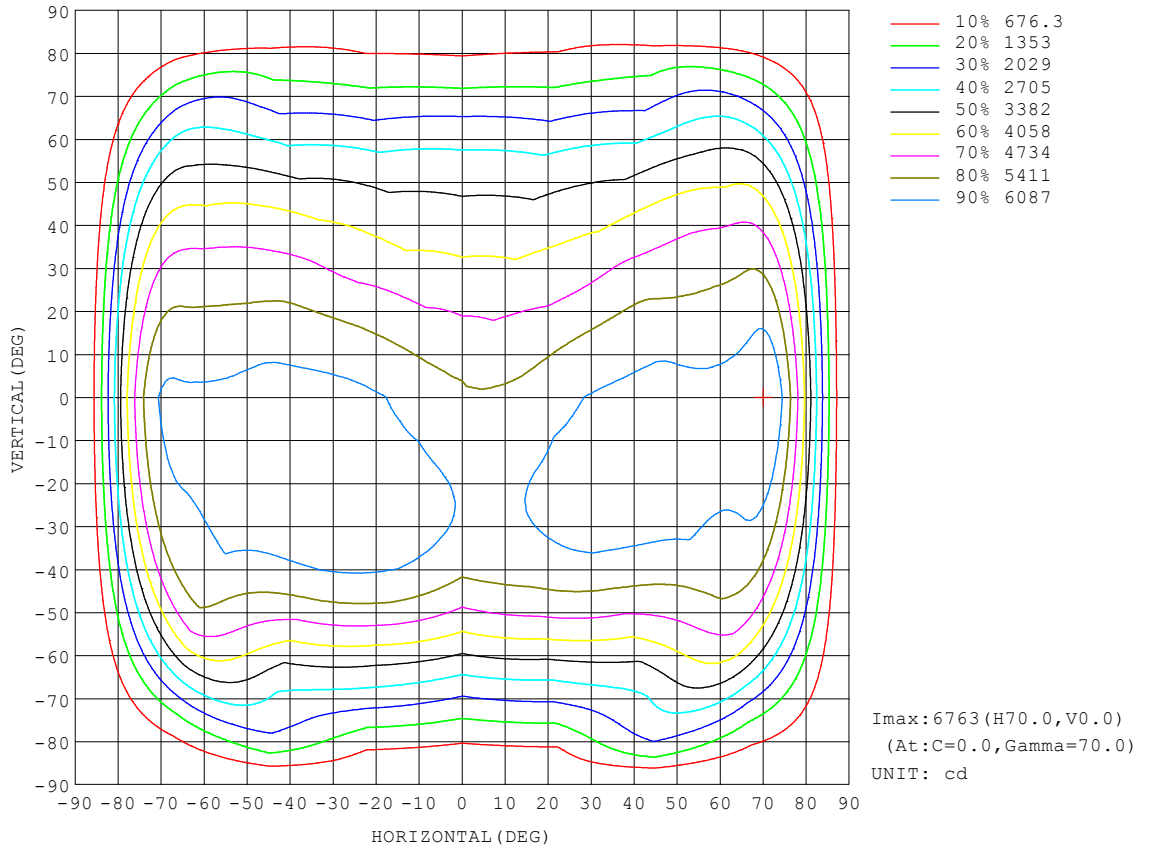
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	5569	5735	5839	5899	5825	5431	5166	5228	0- 10	530.7	530.7	2.17,2.17
20	5827	5983	6023	6317	6152	5248	4680	4991	10- 20	1593	2123	8.69,8.69
30	6127	6224	5995	6592	6333	4955	4179	4694	20- 30	2615	4738	19.4,19.4
40	6334	6281	5544	6595	6416	4539	3712	4343	30- 40	3496	8235	33.7,33.7
50	6405	5817	4595	6092	6343	4123	3203	3989	40- 50	4112	12346	50.5,50.5
60	6353	4678	3319	4861	6214	3379	2505	3367	50- 60	4248	16594	67.9,67.9
70	6763	3230	1958	3247	6154	2312	1554	2371	60- 70	3876	20470	83.8,83.8
80	3902	2430	718.2	2231	3105	1169	627.5	1260	70- 80	2878	23348	95.6,95.6
90	69.06	95.88	10.85	75.40	24.62	18.98	13.99	20.40	80- 90	867.1	24215	99.1,99.1
100	27.85	19.06	13.84	18.29	30.55	24.72	19.95	26.76	90-100	22.46	24237	99.2,99.2
110	33.55	24.41	18.47	22.96	35.69	30.55	26.85	33.59	100-110	26.89	24264	99.3,99.3
120	38.52	30.05	23.55	27.80	40.17	36.01	33.49	39.81	110-120	30.61	24295	99.4,99.4
130	44.33	35.73	29.24	33.23	45.95	41.77	39.72	45.46	120-130	32.66	24328	99.6,99.6
140	49.97	41.03	34.79	38.73	50.51	46.71	45.31	49.72	130-140	32.52	24360	99.7,99.7
150	53.00	45.45	40.66	43.36	52.91	50.66	50.18	52.74	140-150	29.23	24389	99.8,99.8
160	54.72	49.36	46.33	47.77	54.96	53.89	54.26	55.11	150-160	23.21	24413	99.9,99.9
170	56.16	52.73	51.32	51.98	56.44	55.55	56.22	56.16	160-170	15.08	24428	100,100
180	56.83	55.06	54.96	55.07	56.93	55.11	55.03	55.07	170-180	5.239	24433	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

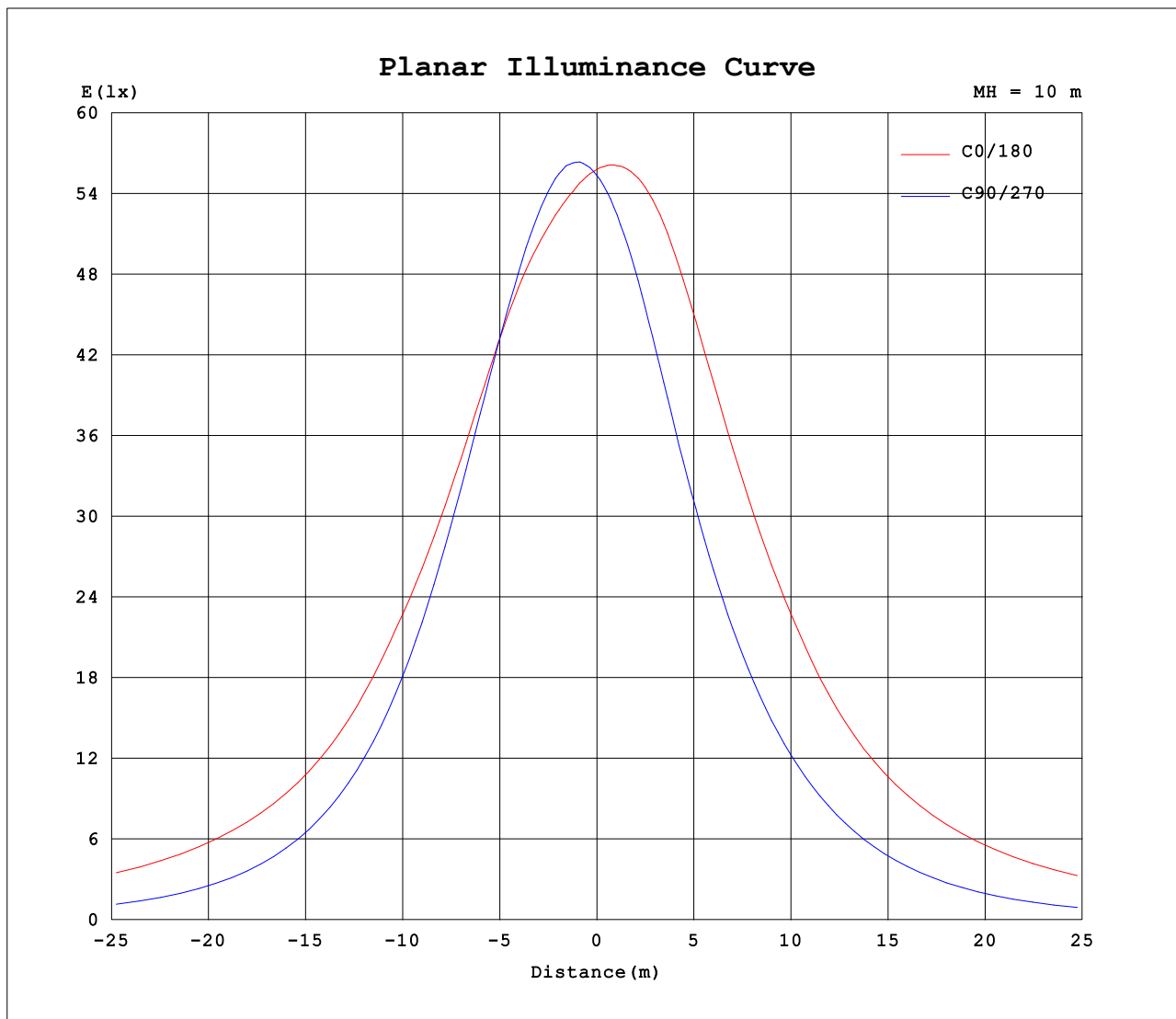
Test:U:277.2V I:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



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



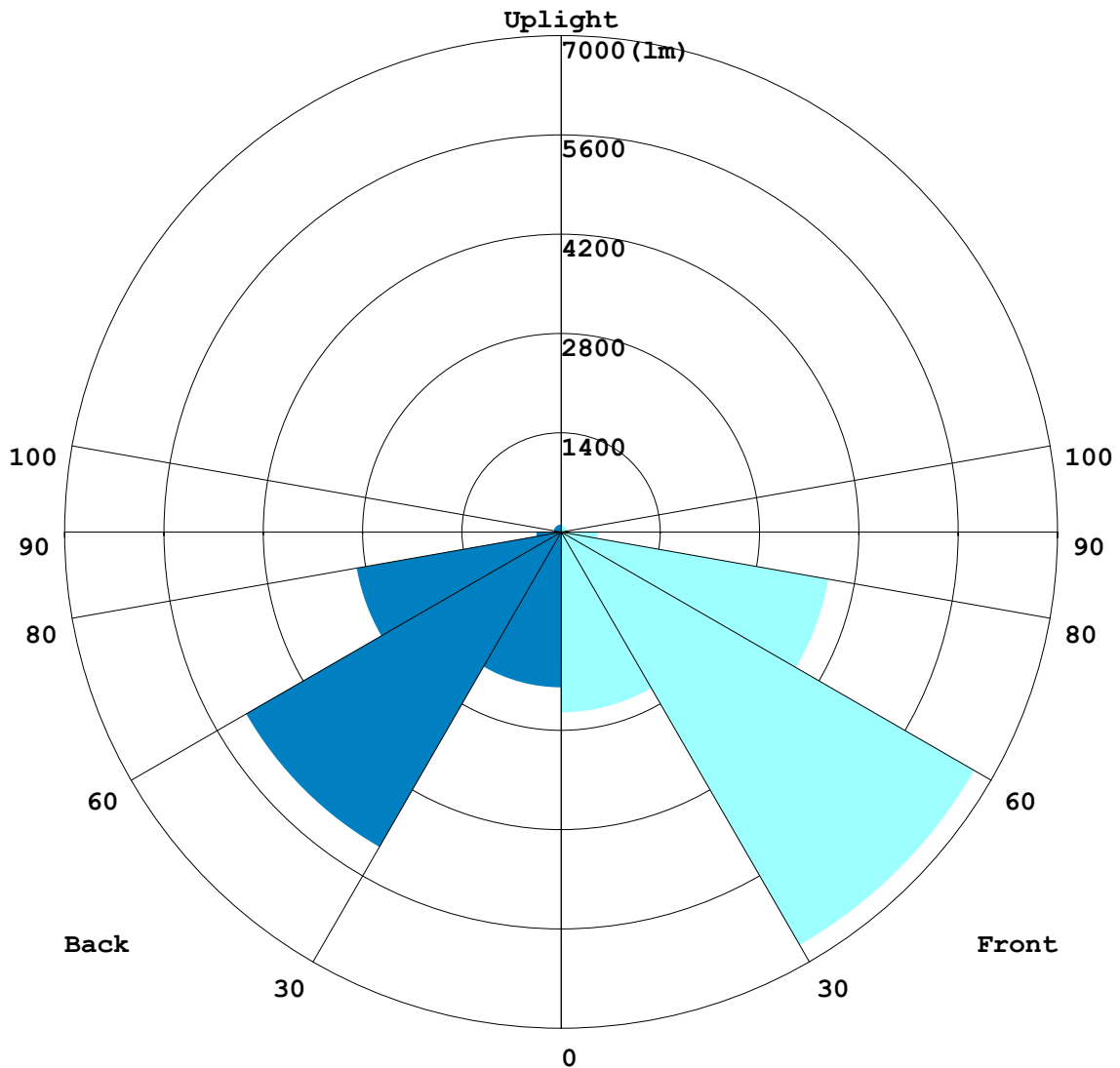
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27DEG
Operators: lianghaizhu
Test Date: 2023-09-27

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:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_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:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_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)	2545.3	10.4
FM - Front-Medium(30-60)	6728.1	27.5
FH - Front-High(60-80)	3824.6	15.7
FVH - Front-Very High(80-90)	518.79	2.1
Total Forward Light	13716	56.1

BL - Back-Low(0-30)	2193.1	9.0
BM - Back-Medium(30-60)	5127.8	21.0
BH - Back-High(60-80)	2929.1	12.0
BVH - Back-Very High(80-90)	348.29	1.4
Total Back Light	10717	43.9

UL - Uplight-Low(90-100)	22.463	0.1
UH - Uplight-High(100-180)	195.45	0.8
Total Up Light	217.91	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10598	119	10717
Street Side	13617	98.912	13716

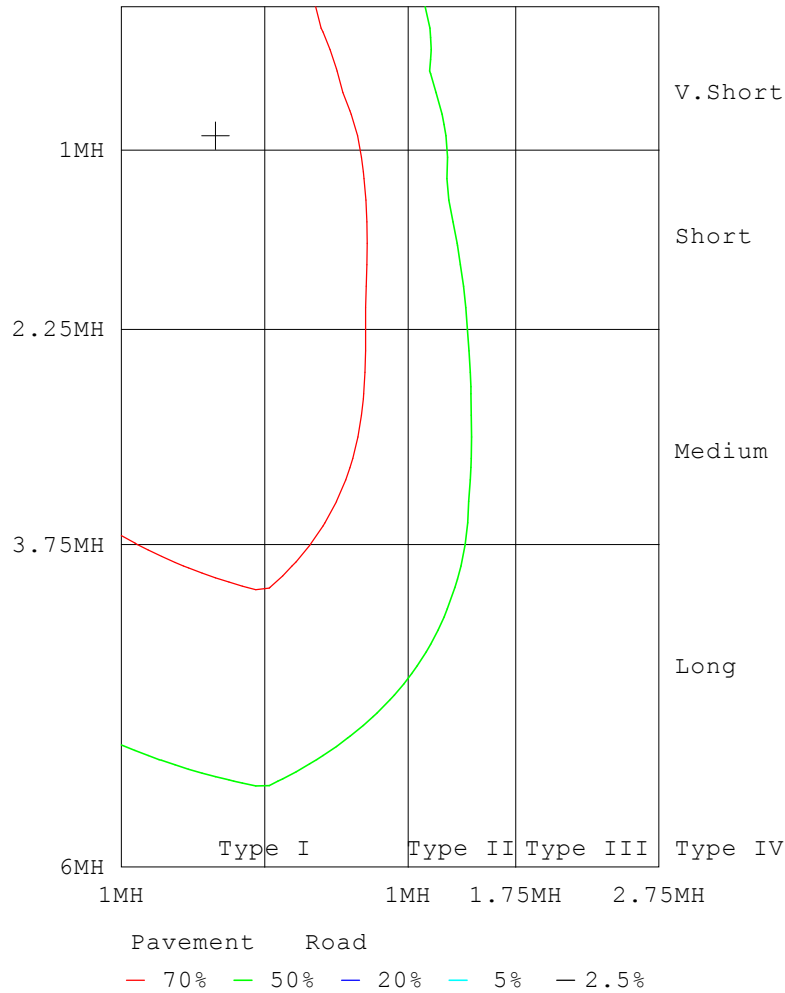
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2023-09-27

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:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_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:0.5354A P:146.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24432.9x1 lm		
NAME: ASD-LSB5A-HV-PRO-150BR_150W_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	5580	5561	5556	5544	5534	5509	5510	5506	5580	5561	5556	5544	5534	5509	5510	5506			
5	5542	5589	5634	5672	5700	5695	5688	5658	5679	5585	5490	5411	5362	5325	5359	5406			
10	5569	5667	5735	5790	5839	5877	5899	5854	5825	5638	5431	5262	5166	5136	5228	5361			
15	5668	5800	5850	5886	5950	6038	6112	6073	5997	5699	5355	5071	4933	4928	5111	5371			
20	5827	5972	5983	5956	6023	6182	6317	6280	6152	5748	5248	4851	4680	4700	4991	5426			
25	5993	6151	6114	6000	6046	6289	6483	6444	6261	5755	5113	4608	4421	4475	4855	5482			
30	6127	6299	6224	6005	5995	6346	6592	6550	6333	5722	4955	4358	4179	4246	4694	5516			
35	6238	6408	6289	5940	5836	6329	6635	6623	6383	5656	4753	4119	3943	4013	4516	5518			
40	6334	6489	6281	5778	5544	6188	6595	6675	6416	5580	4539	3884	3712	3783	4343	5509			
45	6429	6526	6134	5504	5127	5892	6437	6687	6434	5476	4352	3649	3470	3548	4191	5468			
50	6405	6469	5817	5072	4595	5402	6092	6596	6343	5301	4123	3372	3203	3277	3989	5329			
55	6332	6295	5325	4498	3986	4748	5575	6406	6246	5085	3802	3025	2886	2949	3717	5165			
60	6353	6073	4678	3794	3319	3994	4861	6206	6214	4821	3379	2610	2505	2565	3367	4991			
65	6489	5807	3946	3041	2630	3258	4046	5968	6228	4438	2872	2136	2052	2112	2914	4710			
70	6763	5439	3230	2328	1958	2562	3247	5610	6154	3919	2312	1662	1554	1657	2371	4228			
75	5918	4724	2719	1607	1303	1789	2644	4650	5131	3292	1723	1169	1041	1190	1805	3610			
80	3902	3059	2430	906	718	1019	2231	2784	3105	2300	1169	722	627	753	1260	2550			
85	1499	1092	1533	361	248	401	1310	849	885	815	424	371	302	381	483	1015			
90	69.1	26.7	95.9	11.9	10.9	14.9	75.4	19.8	24.6	23.3	19.0	15.2	14.0	16.3	20.4	24.8			
95	25.1	21.7	16.7	12.9	11.8	12.5	16.2	21.5	27.5	26.5	21.8	17.9	16.7	19.3	23.4	26.7			
100	27.9	24.3	19.1	15.1	13.8	14.5	18.3	23.8	30.5	29.6	24.7	21.0	20.0	22.8	26.8	29.9			
105	30.9	27.1	21.6	17.6	16.1	16.7	20.6	26.4	33.4	32.3	27.8	24.1	23.4	26.3	30.2	32.9			
110	33.6	29.9	24.4	20.1	18.5	19.0	23.0	28.8	35.7	34.7	30.6	27.2	26.8	29.8	33.6	35.7			
115	36.0	32.6	27.2	22.8	20.9	21.4	25.3	30.9	37.8	36.9	33.2	30.3	30.2	33.1	36.8	38.4			
120	38.5	35.4	30.1	25.5	23.6	24.0	27.8	33.1	40.2	39.1	36.0	33.4	33.5	36.3	39.8	41.3			
125	41.3	38.3	32.9	28.3	26.4	26.7	30.5	35.8	42.9	42.0	38.9	36.5	36.6	39.3	42.7	44.2			
130	44.3	41.1	35.7	31.2	29.2	29.5	33.2	38.6	46.0	45.1	41.8	39.6	39.7	42.2	45.5	47.1			
135	47.4	44.0	38.6	34.1	31.9	32.4	36.1	41.5	48.6	47.7	44.4	42.4	42.6	44.8	47.8	49.7			
140	50.0	46.4	41.0	36.9	34.8	35.2	38.7	43.9	50.5	49.6	46.7	45.1	45.3	47.2	49.7	51.5			
145	51.8	48.2	43.3	39.7	37.7	38.0	41.1	45.9	51.8	51.0	48.8	47.6	47.9	49.3	51.3	52.8			
150	53.0	49.7	45.5	42.4	40.7	40.8	43.4	47.5	52.9	52.3	50.7	49.9	50.2	51.2	52.7	53.8			
155	53.9	51.0	47.4	44.8	43.5	43.5	45.5	48.9	53.9	53.4	52.3	52.0	52.3	53.0	53.9	54.7			
160	54.7	52.3	49.4	47.2	46.3	46.3	47.8	50.4	55.0	54.5	53.9	53.9	54.3	54.5	55.1	55.6			
165	55.5	53.5	51.2	49.5	49.0	48.9	50.0	51.9	55.9	55.4	55.0	55.3	55.7	55.6	56.0	56.3			
170	56.2	54.6	52.7	51.6	51.3	51.2	52.0	53.4	56.4	55.9	55.6	55.7	56.2	56.0	56.2	56.4			
175	56.7	55.3	54.1	53.3	53.4	53.2	53.7	54.7	56.8	56.0	55.5	55.4	55.9	55.6	55.9	56.1			
180	56.8	55.9	55.1	54.7	55.0	54.7	55.1	55.6	56.9	55.9	55.1	54.7	55.0	54.7	55.1	55.6			

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: