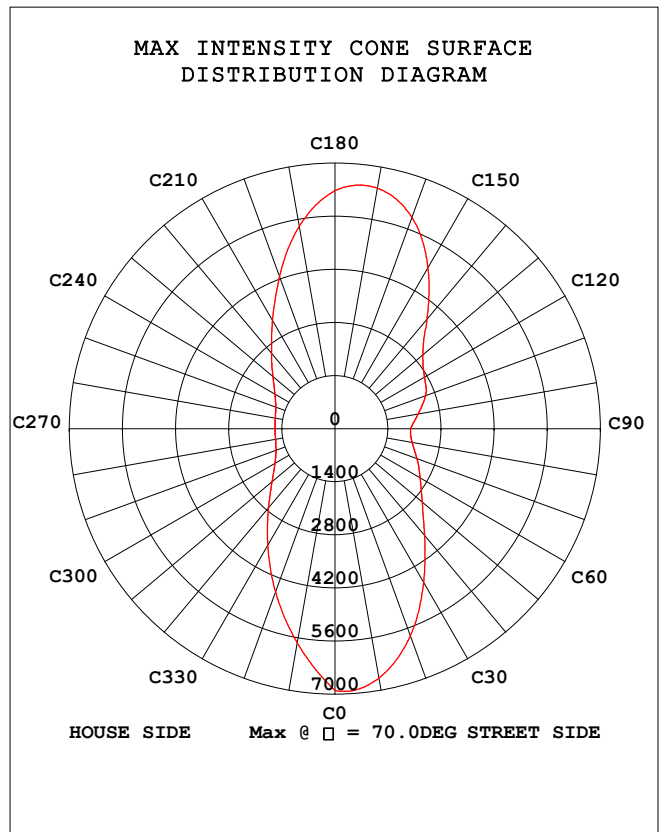
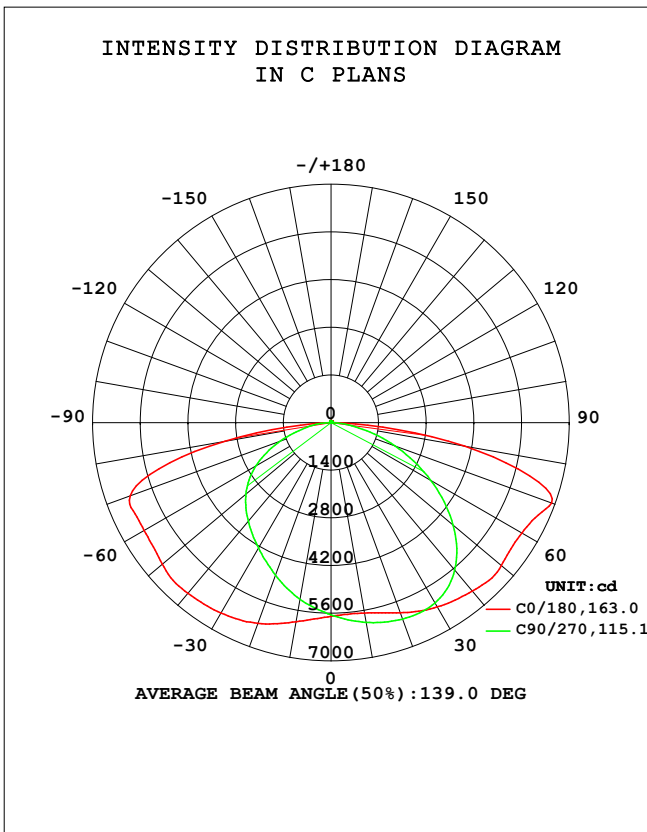


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-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: 168.44 lm/W			
MODEL		Imax(cd)	6896	<input type="checkbox"/> street_up(%)	0.4
NOMINAL POWER(W)	150	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	55.7
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	24914	<input type="checkbox"/> house_up(%)	0.5
NOMINAL FLUX(lm)	24914.2	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)	120	<input type="checkbox"/> down(%)	99.1	SLI	25.318

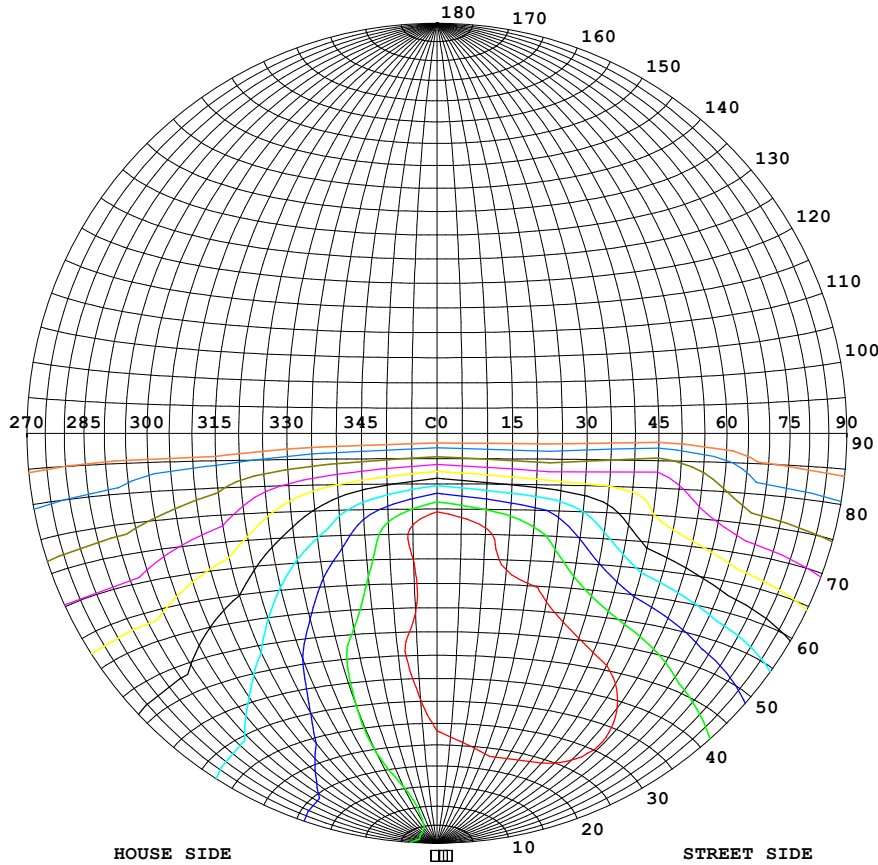


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-27

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:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-PRO-150BR_150W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



Classification:

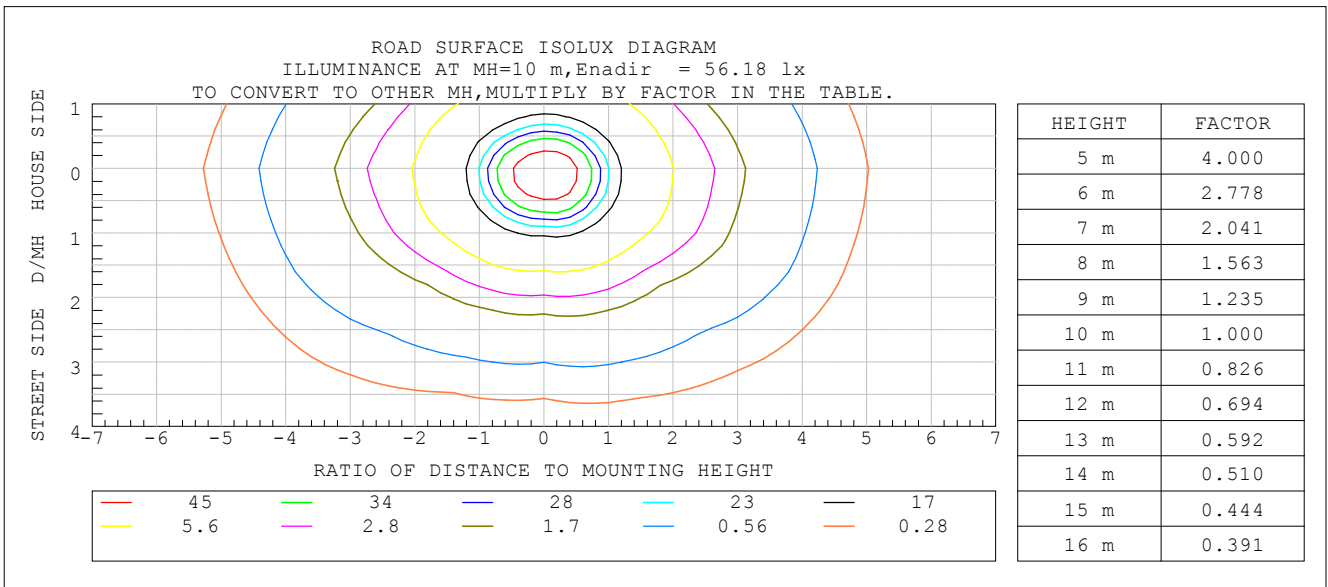
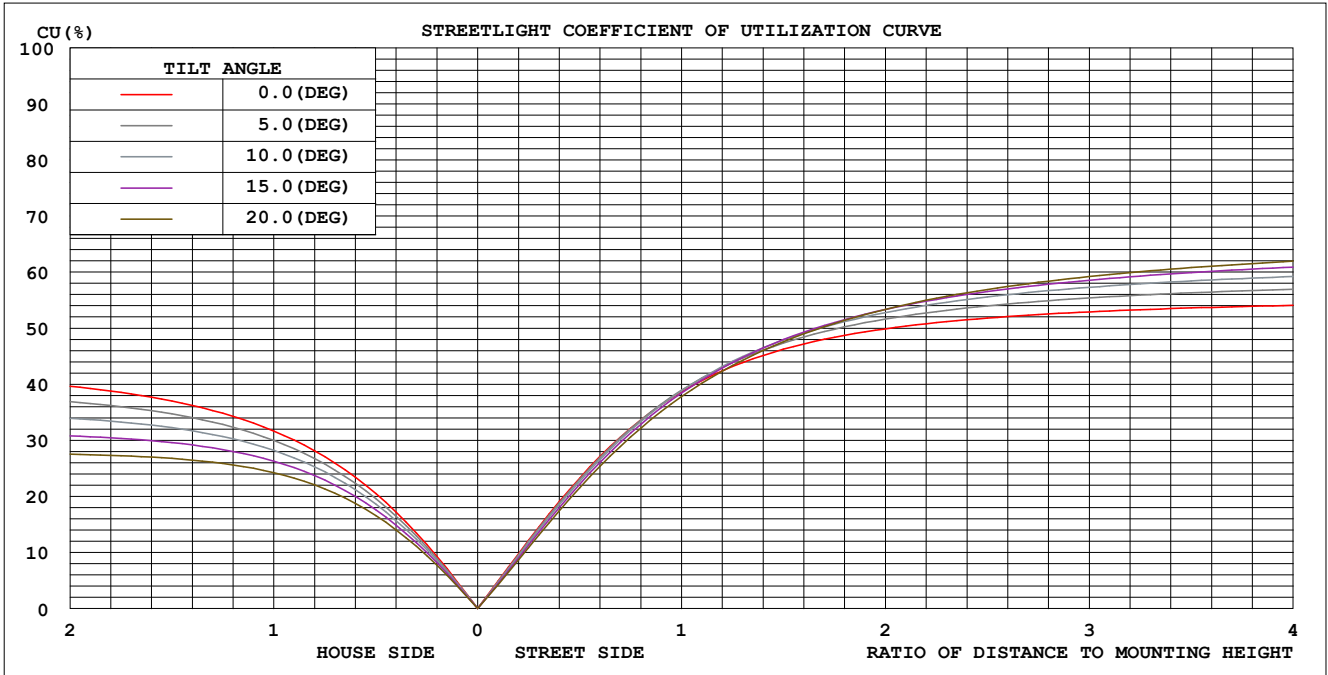
IES:Type VS - Medium
 CIE:Narrow - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:159.7cd/klm
 Max.At90:3.924cd/klm
 Max.80-90:159.7cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6896
90%	6207
80%	5517
70%	4827
60%	4138
50%	3448
40%	2759
30%	2069
20%	1379
10%	690
5%	345

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:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-PRO-150BR_150W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:

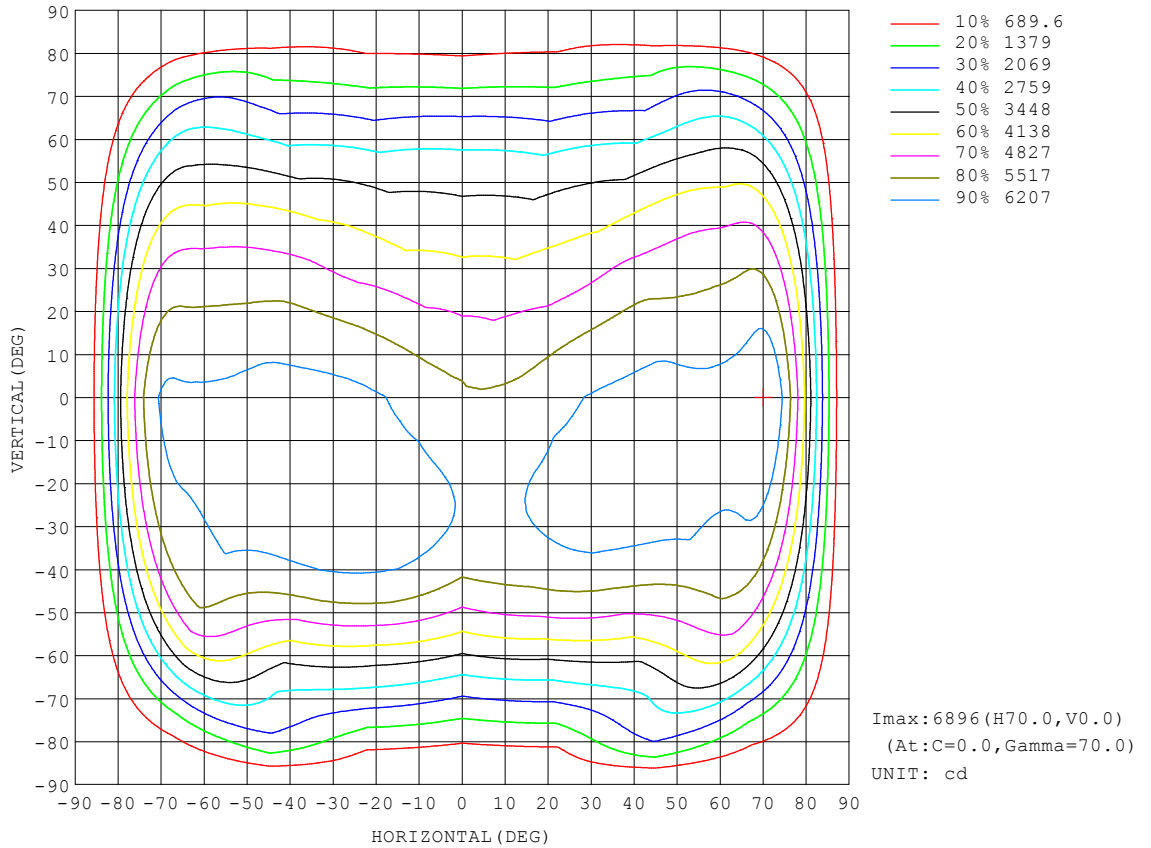
mm	C0	C45	C90	C135	C180	C225	C270	C315	mm	□ zone	□ total	%lum,lamp
10	5679	5848	5954	6015	5940	5538	5268	5331	0- 10	541.2	541.2	2.17,2.17
20	5942	6101	6142	6442	6273	5351	4772	5089	10- 20	1624	2165	8.69,8.69
30	6248	6347	6113	6722	6458	5053	4262	4787	20- 30	2667	4832	19.4,19.4
40	6459	6404	5653	6725	6542	4628	3785	4429	30- 40	3565	8397	33.7,33.7
50	6531	5932	4685	6212	6468	4205	3266	4067	40- 50	4193	12589	50.5,50.5
60	6478	4770	3384	4956	6337	3446	2555	3434	50- 60	4332	16921	67.9,67.9
70	6896	3294	1997	3311	6276	2358	1584	2417	60- 70	3952	20874	83.8,83.8
80	3979	2478	732.3	2275	3166	1192	639.8	1285	70- 80	2934	23808	95.6,95.6
90	70.42	97.77	11.07	76.89	25.11	19.36	14.26	20.80	80- 90	884.2	24692	99.1,99.1
100	28.40	19.44	14.12	18.66	31.15	25.21	20.35	27.29	90-100	22.91	24715	99.2,99.2
110	34.21	24.89	18.83	23.41	36.39	31.15	27.38	34.26	100-110	27.42	24742	99.3,99.3
120	39.28	30.65	24.02	28.35	40.96	36.72	34.15	40.60	110-120	31.22	24774	99.4,99.4
130	45.20	36.43	29.81	33.88	46.86	42.59	40.51	46.36	120-130	33.30	24807	99.6,99.6
140	50.96	41.84	35.48	39.49	51.50	47.63	46.20	50.70	130-140	33.16	24840	99.7,99.7
150	54.05	46.35	41.46	44.21	53.95	51.66	51.16	53.77	140-150	29.81	24870	99.8,99.8
160	55.80	50.34	47.24	48.71	56.05	54.95	55.33	56.20	150-160	23.67	24893	99.9,99.9
170	57.26	53.77	52.33	53.00	57.55	56.65	57.33	57.27	160-170	15.38	24909	100,100
180	57.94	56.14	56.05	56.15	58.05	56.20	56.12	56.16	170-180	5.342	24914	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

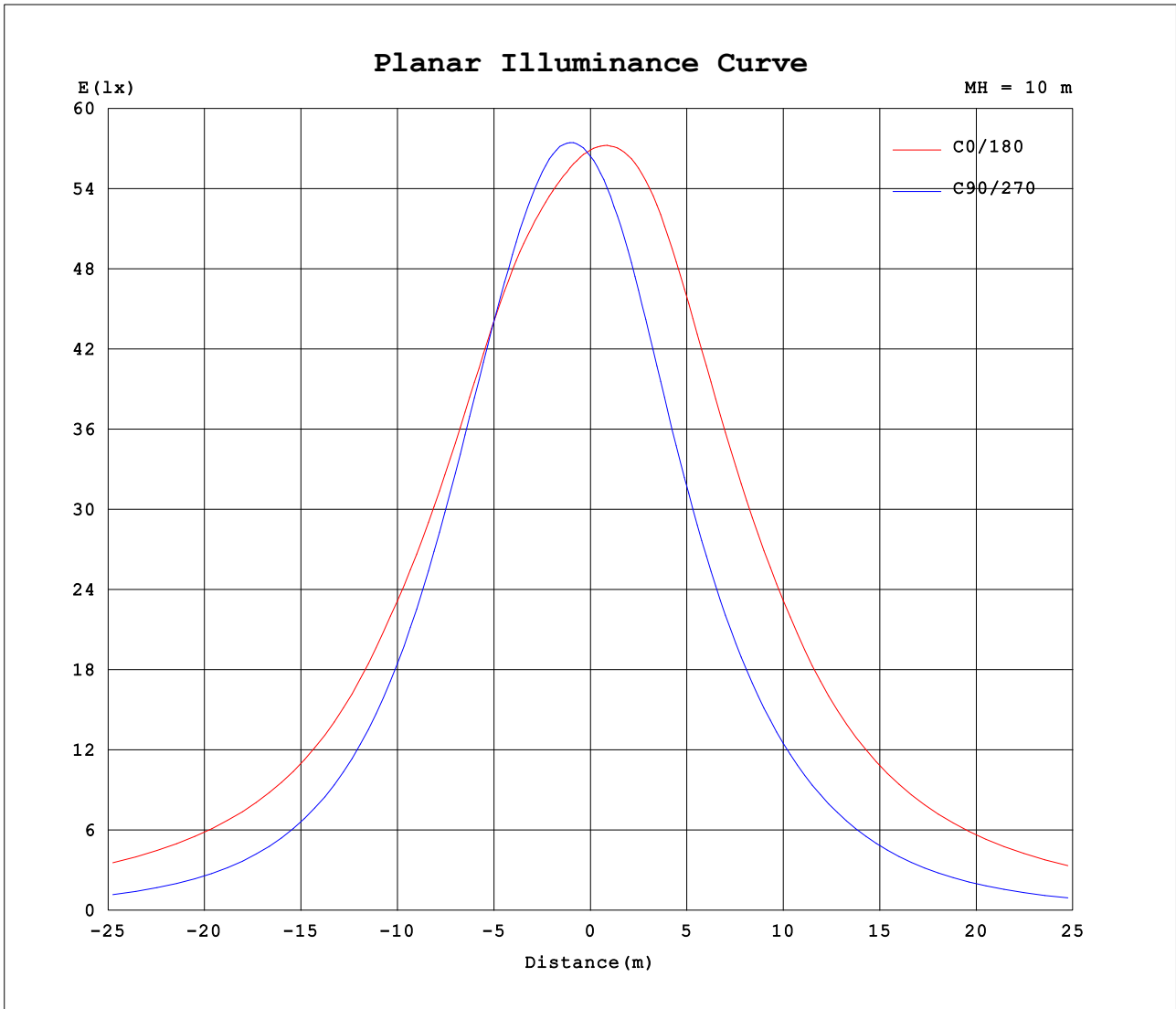
Test:U:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-PRO-150BR_150W_5000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.26*0.22	Shielding Angle:



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



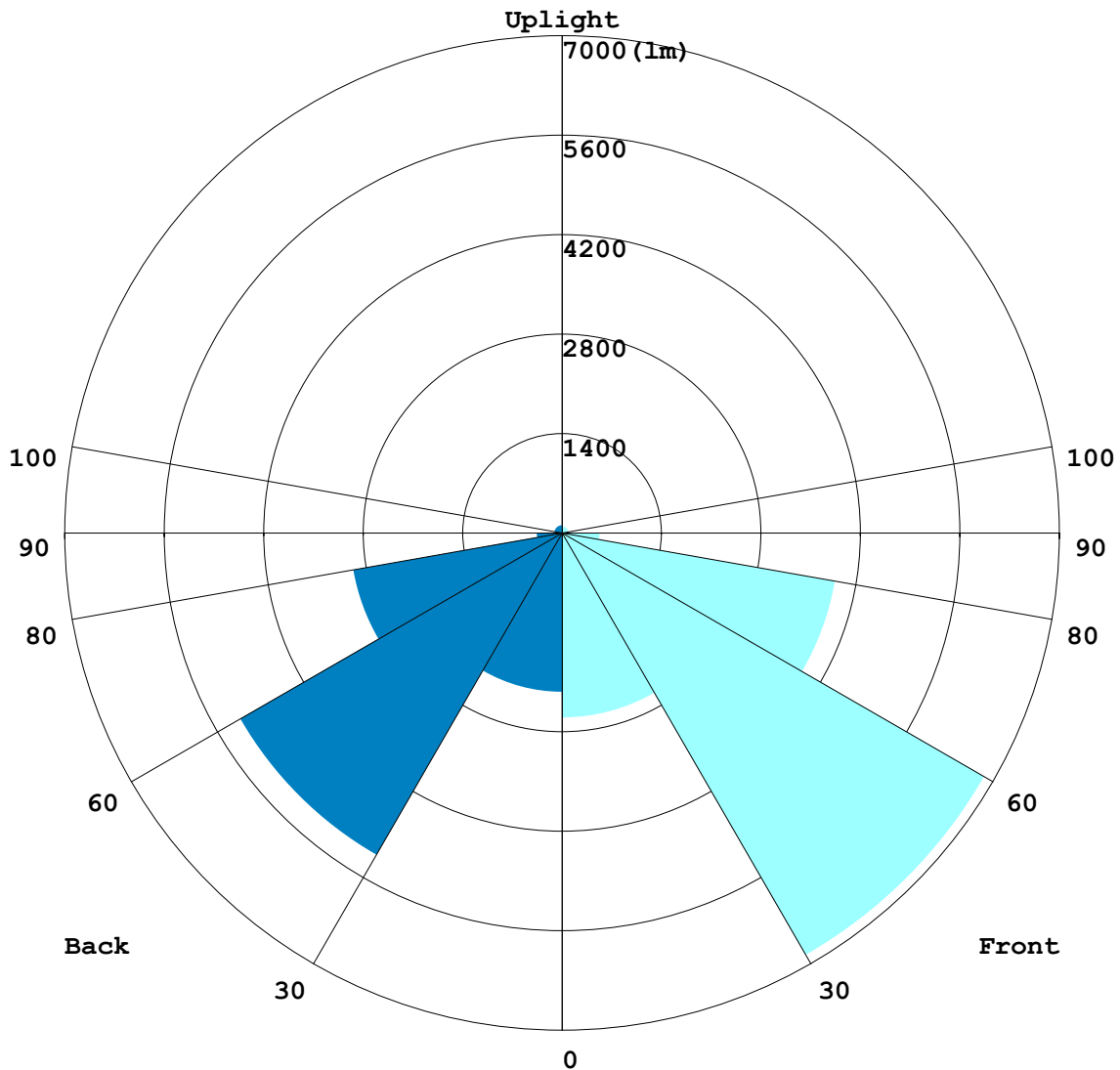
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: lianghaizhu
 Test Date: 2023-09-27

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:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-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:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-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)	2595.5	10.4
FM - Front-Medium(30-60)	6860.6	27.5
FH - Front-High(60-80)	3899.9	15.7
FVH - Front-Very High(80-90)	529.01	2.1
Total Forward Light	13986	56.1

BL - Back-Low(0-30)	2236.3	9.0
BM - Back-Medium(30-60)	5228.8	21.0
BH - Back-High(60-80)	2986.8	12.0
BVH - Back-Very High(80-90)	355.15	1.4
Total Back Light	10928	43.9

UL - Uplight-Low(90-100)	22.906	0.1
UH - Uplight-High(100-180)	199.3	0.8
Total Up Light	222.2	0.9

BUG(Back,Up,Glare) Rating	B4-U3-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10807	121.34	10928
Street Side	13885	100.86	13986

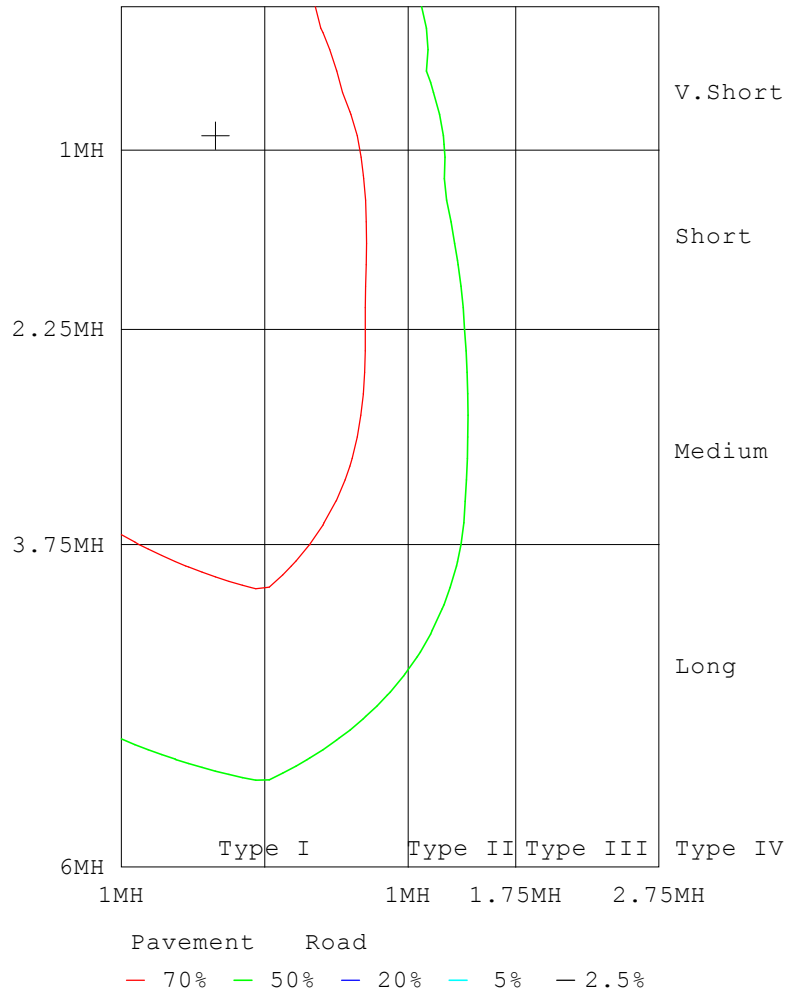
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:lianghaizhu
 Test Date:2023-09-27

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:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-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:120.6V I:1.228A P:147.9W PF:0.9899 Freq:59.98Hz Lamp Flux:24914.2x1 lm		
NAME: ASD-LSB5A-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	5690	5670	5665	5653	5643	5617	5619	5614	5690	5670	5665	5653	5643	5617	5619	5614			
5	5651	5699	5745	5784	5812	5807	5800	5769	5791	5695	5598	5518	5468	5430	5465	5512			
10	5679	5779	5848	5904	5954	5992	6015	5969	5940	5749	5538	5365	5268	5237	5331	5466			
15	5780	5914	5966	6002	6067	6157	6233	6193	6115	5811	5461	5171	5030	5025	5211	5477			
20	5942	6090	6101	6073	6142	6303	6442	6403	6273	5861	5351	4946	4772	4792	5089	5533			
25	6111	6273	6234	6118	6165	6413	6610	6571	6384	5868	5214	4699	4508	4563	4951	5590			
30	6248	6424	6347	6123	6113	6471	6722	6680	6458	5834	5053	4444	4262	4329	4787	5624			
35	6361	6534	6413	6057	5951	6453	6766	6754	6509	5767	4846	4200	4020	4092	4605	5627			
40	6459	6617	6404	5892	5653	6310	6725	6807	6542	5690	4628	3960	3785	3858	4429	5617			
45	6555	6654	6255	5613	5228	6008	6564	6819	6561	5584	4438	3720	3538	3618	4273	5576			
50	6531	6596	5932	5172	4685	5509	6212	6726	6468	5405	4205	3439	3266	3342	4067	5434			
55	6456	6419	5430	4586	4065	4841	5685	6532	6369	5185	3877	3085	2942	3007	3791	5266			
60	6478	6193	4770	3868	3384	4073	4956	6328	6337	4916	3446	2661	2555	2615	3434	5090			
65	6617	5921	4023	3101	2682	3322	4125	6085	6351	4525	2929	2178	2093	2154	2971	4802			
70	6896	5546	3294	2374	1997	2612	3311	5720	6276	3996	2358	1695	1584	1689	2417	4312			
75	6035	4817	2773	1638	1329	1824	2696	4741	5232	3357	1757	1192	1062	1213	1841	3681			
80	3979	3120	2478	924	732	1039	2275	2838	3166	2345	1192	737	640	768	1285	2601			
85	1529	1114	1563	368	253	409	1336	866	903	831	432	378	308	388	493	1035			
90	70.4	27.2	97.8	12.1	11.1	15.2	76.9	20.2	25.1	23.8	19.4	15.5	14.3	16.6	20.8	25.3			
95	25.6	22.2	17.0	13.2	12.1	12.8	16.5	22.0	28.1	27.0	22.3	18.2	17.0	19.7	23.9	27.2			
100	28.4	24.7	19.4	15.4	14.1	14.7	18.7	24.3	31.1	30.1	25.2	21.4	20.3	23.2	27.3	30.5			
105	31.5	27.6	22.0	17.9	16.4	17.0	21.0	27.0	34.0	33.0	28.3	24.6	23.9	26.8	30.8	33.6			
110	34.2	30.5	24.9	20.5	18.8	19.4	23.4	29.4	36.4	35.4	31.2	27.8	27.4	30.4	34.3	36.4			
115	36.7	33.3	27.8	23.2	21.3	21.8	25.8	31.5	38.6	37.6	33.9	30.9	30.8	33.8	37.5	39.2			
120	39.3	36.1	30.6	26.0	24.0	24.4	28.3	33.8	41.0	39.9	36.7	34.1	34.2	37.0	40.6	42.1			
125	42.1	39.0	33.6	28.9	27.0	27.2	31.1	36.5	43.7	42.8	39.6	37.2	37.4	40.1	43.5	45.1			
130	45.2	41.9	36.4	31.8	29.8	30.0	33.9	39.4	46.9	45.9	42.6	40.3	40.5	43.1	46.4	48.1			
135	48.3	44.9	39.3	34.8	32.5	33.0	36.8	42.3	49.5	48.6	45.3	43.3	43.4	45.7	48.7	50.6			
140	51.0	47.3	41.8	37.6	35.5	35.9	39.5	44.8	51.5	50.6	47.6	46.0	46.2	48.1	50.7	52.6			
145	52.8	49.2	44.2	40.4	38.5	38.8	41.9	46.8	52.9	52.1	49.7	48.5	48.8	50.3	52.4	53.9			
150	54.0	50.7	46.3	43.2	41.5	41.6	44.2	48.4	53.9	53.3	51.7	50.9	51.2	52.2	53.8	54.8			
155	54.9	52.0	48.4	45.7	44.4	44.4	46.4	49.9	54.9	54.4	53.4	53.0	53.3	54.0	55.0	55.7			
160	55.8	53.4	50.3	48.2	47.2	47.2	48.7	51.4	56.0	55.6	55.0	55.0	55.3	55.6	56.2	56.7			
165	56.6	54.6	52.2	50.5	50.0	49.9	51.0	52.9	57.0	56.5	56.1	56.4	56.8	56.7	57.1	57.4			
170	57.3	55.7	53.8	52.6	52.3	52.2	53.0	54.5	57.6	57.0	56.6	56.8	57.3	57.1	57.3	57.5			
175	57.8	56.4	55.1	54.4	54.4	54.2	54.8	55.7	57.9	57.1	56.6	56.5	57.0	56.7	57.0	57.2			
180	57.9	57.0	56.1	55.8	56.0	55.8	56.2	56.7	58.0	57.0	56.2	55.7	56.1	55.8	56.2	56.7			

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: