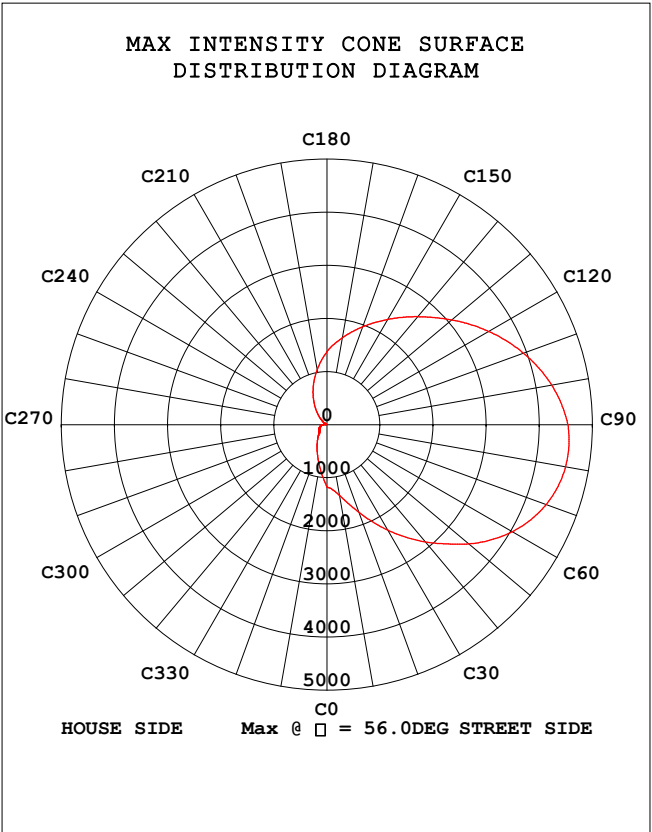
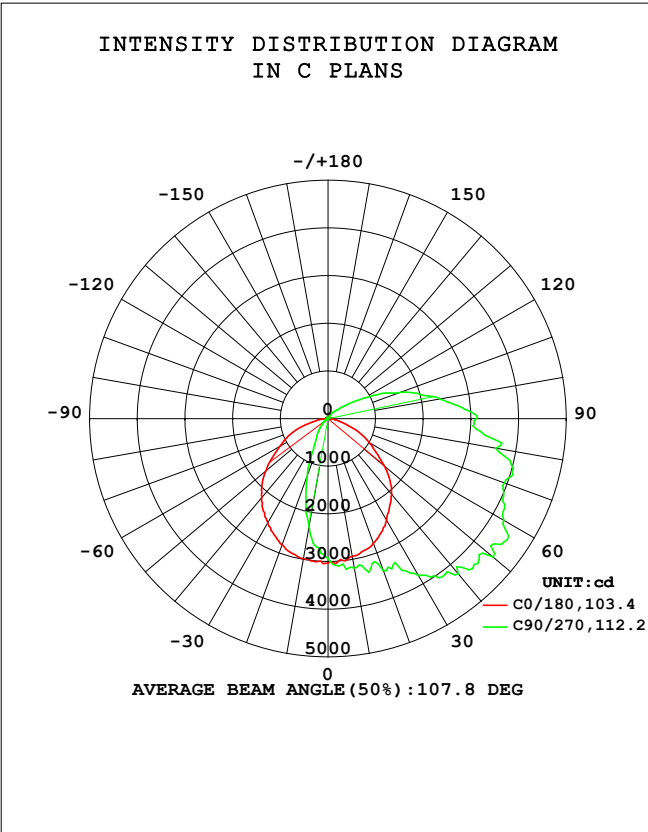


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 152.05 lm/W
MODEL		Imax(cd)	4537	☐ street_up(%)	14.2	
NOMINAL POWER(W)	80	LOR(%)	100.0	☐ street_down(%)	68.9	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	11973	☐ house_up(%)	0.8	
NOMINAL FLUX(lm)	11973.3	MAXIMUM @ (C, ☐)	90,56.0	☐ house_down(%)	16.1	
LAMPS INSIDE	1	☐ up(%)	15.0	76 FLASHAREA(m2)	0.05000	
TEST VOLTAGE(V)	120	☐ down(%)	85.0	SLI	20.317	

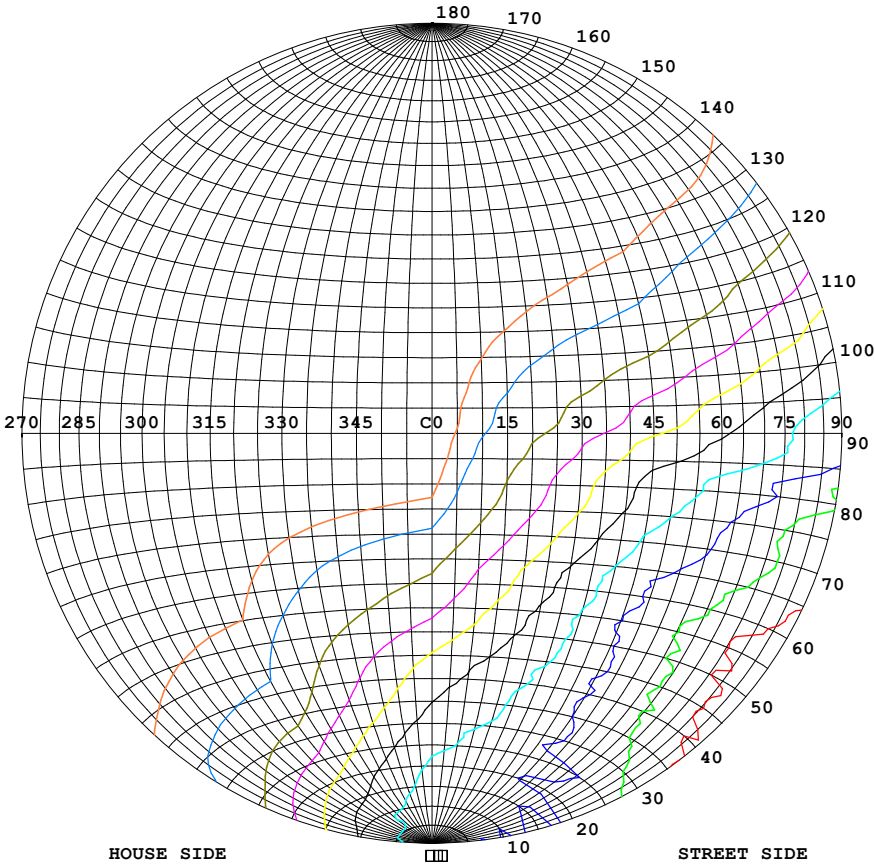


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

☐ 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:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:



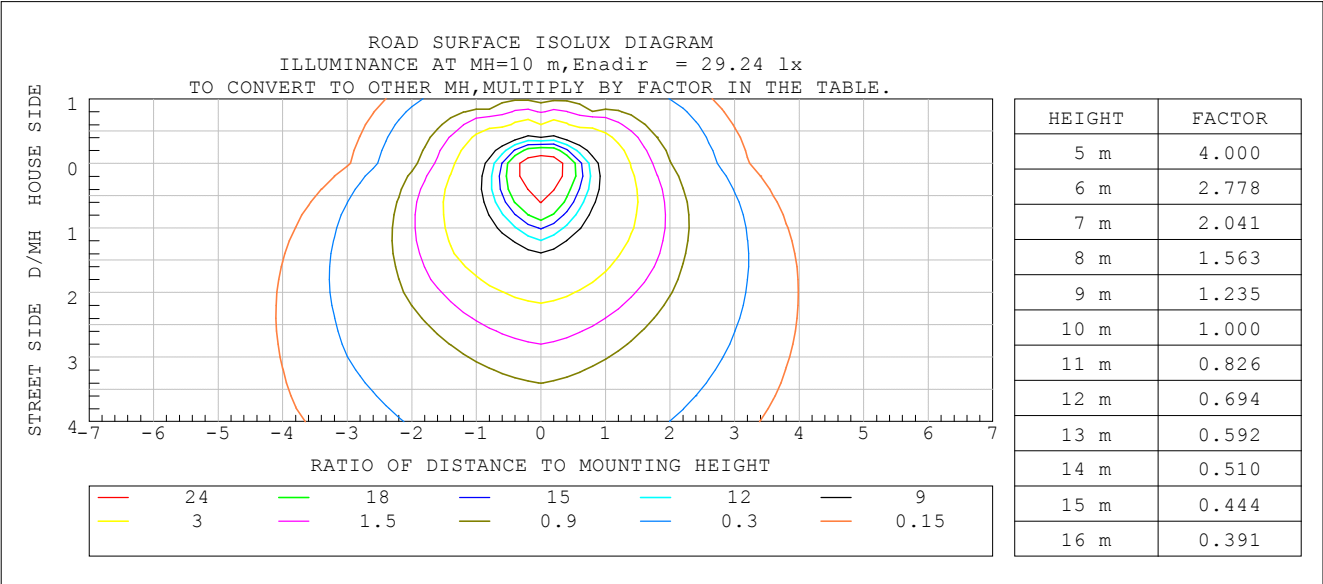
Classification:
IES:Type IV - Very Short
CIE:Broad - Short
IES:None cut-off
CIE:Non-cut-off
Max.At80:298.8cd/klm
Max.At90:260.4cd/klm
Max.80-90:307.8cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4537
90%	4083
80%	3630
70%	3176
60%	2722
50%	2269
40%	1815
30%	1361
20%	907
10%	454
5%	227

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

☐ 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: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

□ 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:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

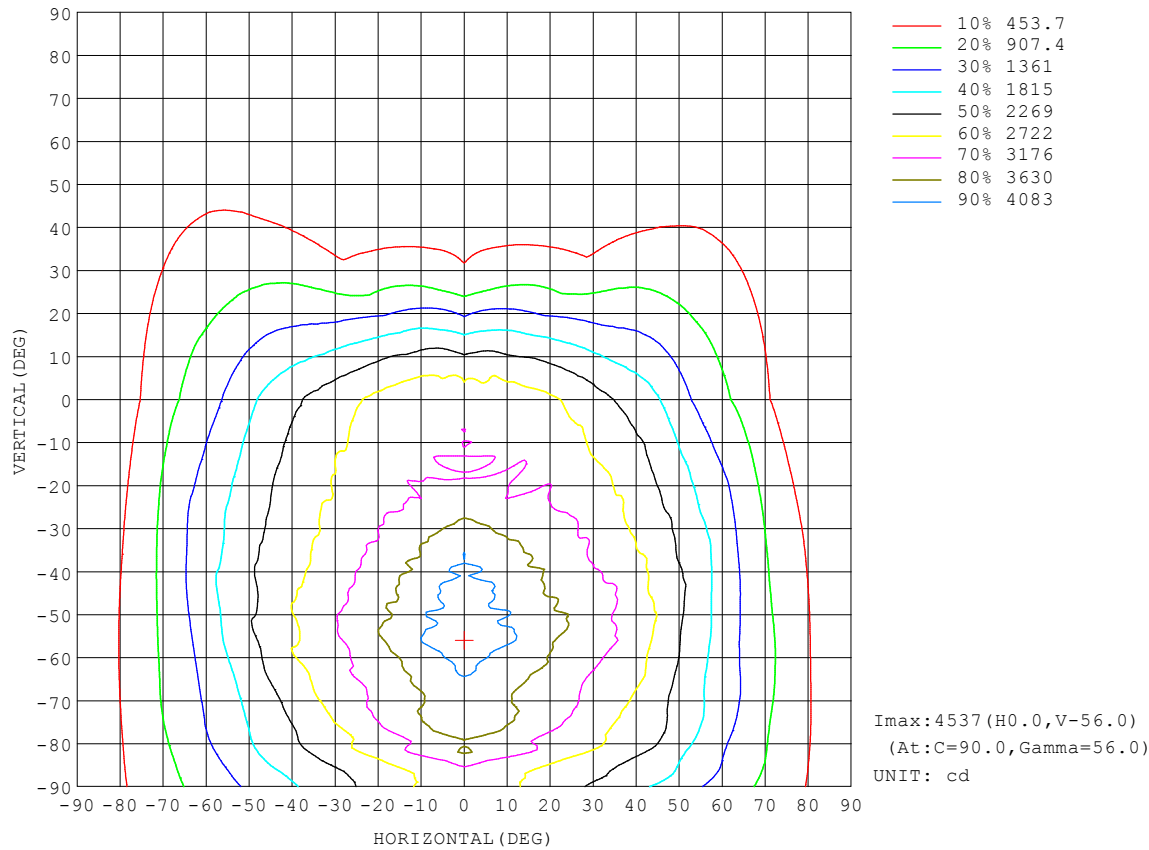
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	2936	3150	3189	2960	2985	2630	2317	2579	0- 10	277.8	277.8	2.32,2.32
20	2784	3190	3392	3026	2821	1942	1294	1889	10- 20	757.0	1035	8.64,8.64
30	2462	3128	3805	2918	2536	1092	506.8	1116	20- 30	1082	2117	17.7,17.7
40	2079	3146	4254	2943	2171	503.1	274.1	527.5	30- 40	1305	3422	28.6,28.6
50	1534	3150	4515	2836	1706	283.6	135.5	310.7	40- 50	1459	4881	40.8,40.8
60	989.3	3093	4256	2835	1165	147.9	72.65	165.8	50- 60	1527	6409	53.5,53.5
70	514.0	2755	3943	2513	724.3	68.93	27.34	79.46	60- 70	1449	7858	65.6,65.6
80	165.7	2425	3577	2097	246.8	31.39	21.12	36.59	70- 80	1278	9135	76.3,76.3
90	52.39	1759	3118	1598	55.83	25.57	25.50	25.73	80- 90	1041	10177	85,85
100	41.12	1157	2390	999.7	40.86	25.03	29.48	26.97	90-100	775.2	10952	91.5,91.5
110	43.36	599.8	1624	531.1	50.76	25.96	32.25	26.30	100-110	505.1	11457	95.7,95.7
120	40.95	295.5	865.6	267.2	45.86	27.13	33.75	26.56	110-120	276.4	11733	98,98
130	33.92	146.3	366.4	138.1	37.07	28.30	34.15	26.97	120-130	131.1	11864	99.1,99.1
140	27.22	64.47	185.2	64.87	28.02	28.81	33.95	27.26	130-140	59.16	11923	99.6,99.6
150	23.11	34.01	59.97	35.81	22.77	28.91	32.87	27.10	140-150	27.71	11951	99.8,99.8
160	21.96	19.75	28.34	21.25	21.63	28.04	30.94	26.83	150-160	13.14	11964	99.9,99.9
170	23.18	20.27	18.67	20.88	23.02	26.32	27.75	26.25	160-170	6.730	11971	100,100
180	23.74	23.68	23.40	24.38	23.73	23.74	23.45	24.38	170-180	2.243	11973	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

□ 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

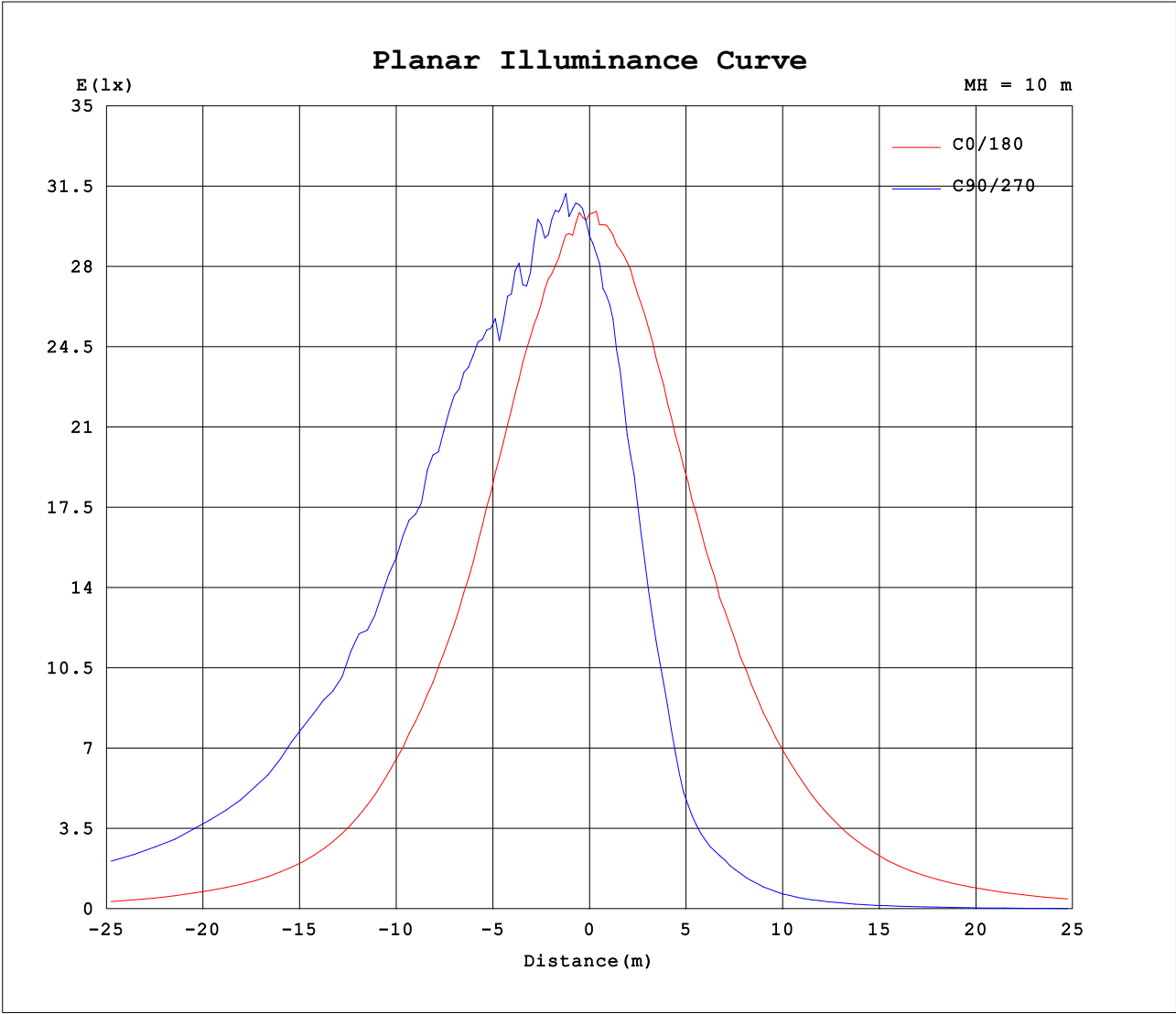
Test:U:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

☐ 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



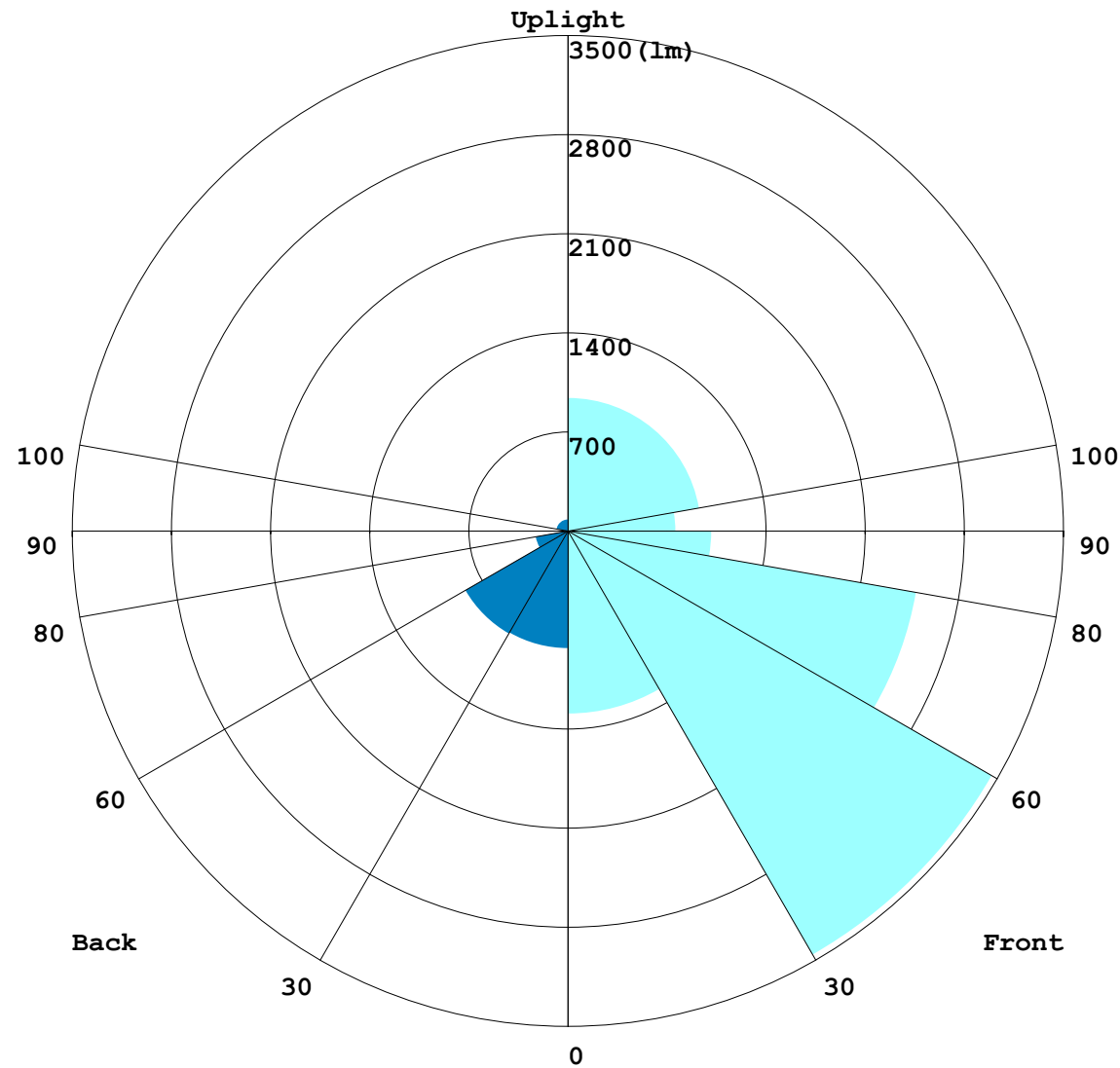
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

☐ 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:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

☐ 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:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1289.4	10.8
FM - Front-Medium(30-60)	3455.9	28.9
FH - Front-High(60-80)	2495.8	20.8
FVH - Front-Very High(80-90)	1012.4	8.5
Total Forward Light	9952.9	83.1

BL - Back-Low(0-30)	827.25	6.9
BM - Back-Medium(30-60)	836.4	7.0
BH - Back-High(60-80)	230.67	1.9
BVH - Back-Very High(80-90)	28.831	0.2
Total Back Light	2020.4	16.9

UL - Uplight-Low(90-100)	775.2	6.5
UH - Uplight-High(100-180)	1021.5	8.5
Total Up Light	1796.7	15.0

BUG(Back,Up,Glare) Rating	B2-U4-G?
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1923.2	97.286	2020.4
Street Side	8253.5	1699.4	9952.9

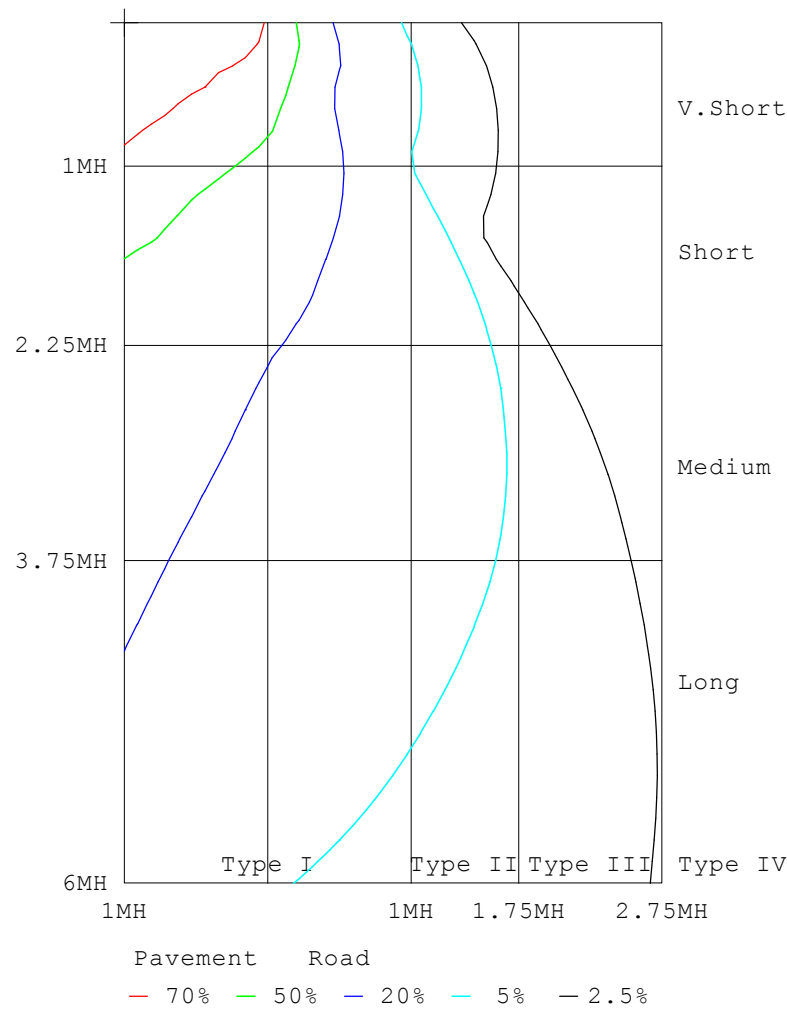
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

☐ 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:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

☐ 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:120.4V I:0.6555A P:78.74W PF:0.9973 Freq:59.98Hz Lamp Flux:11973.3x1 lm		
NAME: ASD-WLP01-80D50-PC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.27*0.17	Shielding Angle:

Table--1									UNIT: cd									
C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	3030	2999	2933	2916	3030	2999	2933	2916										
5	2970	3116	3086	3034	3015	2819	2706	2760										
10	2936	3150	3189	2960	2985	2630	2317	2579										
15	2873	3094	3336	3085	2926	2322	1814	2227										
20	2784	3190	3392	3026	2821	1942	1294	1889										
25	2640	3034	3325	3043	2688	1497	788	1483										
30	2462	3128	3805	2918	2536	1092	507	1116										
35	2258	3176	4074	2956	2369	713	388	758										
40	2079	3146	4254	2943	2171	503	274	527										
45	1846	3112	4328	2864	1960	380	188	401										
50	1534	3150	4515	2836	1706	284	136	311										
55	1235	3163	4511	2826	1430	206	100	228										
60	989	3093	4256	2835	1165	148	72.7	166										
65	767	2966	4034	2682	960	103	54.9	117										
70	514	2755	3943	2513	724	68.9	27.3	79.5										
75	296	2547	4029	2268	468	44.1	18.9	52.4										
80	166	2425	3577	2097	247	31.4	21.1	36.6										
85	88.9	2121	3222	1926	120	27.1	23.3	31.9										
90	52.4	1759	3118	1598	55.8	25.6	25.5	25.7										
95	41.6	1490	2808	1262	39.3	24.6	27.6	27.5										
100	41.1	1157	2390	1000	40.9	25.0	29.5	27.0										
105	42.4	853	1995	753	46.9	25.5	31.0	26.6										
110	43.4	600	1624	531	50.8	26.0	32.2	26.3										
115	42.9	419	1257	372	50.5	26.5	33.1	26.4										
120	40.9	295	866	267	45.9	27.1	33.7	26.6										
125	37.6	209	564	195	41.2	27.8	34.0	26.7										
130	33.9	146	366	138	37.1	28.3	34.1	27.0										
135	30.3	98.3	247	96.2	32.2	28.6	34.1	27.2										
140	27.2	64.5	185	64.9	28.0	28.8	33.9	27.3										
145	24.8	46.8	108	48.2	24.9	29.0	33.5	27.2										
150	23.1	34.0	60.0	35.8	22.8	28.9	32.9	27.1										
155	22.2	24.7	38.8	26.8	21.7	28.6	32.0	27.0										
160	22.0	19.8	28.3	21.2	21.6	28.0	30.9	26.8										
165	22.5	18.5	21.5	19.3	22.3	27.3	29.5	26.7										
170	23.2	20.3	18.7	20.9	23.0	26.3	27.7	26.2										
175	23.6	22.0	21.0	22.7	23.4	25.1	25.6	25.4										
180	23.7	23.7	23.4	24.4	23.7	23.7	23.4	24.4										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:lianghaizhu
Test Date:2024-02-22

□ 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: