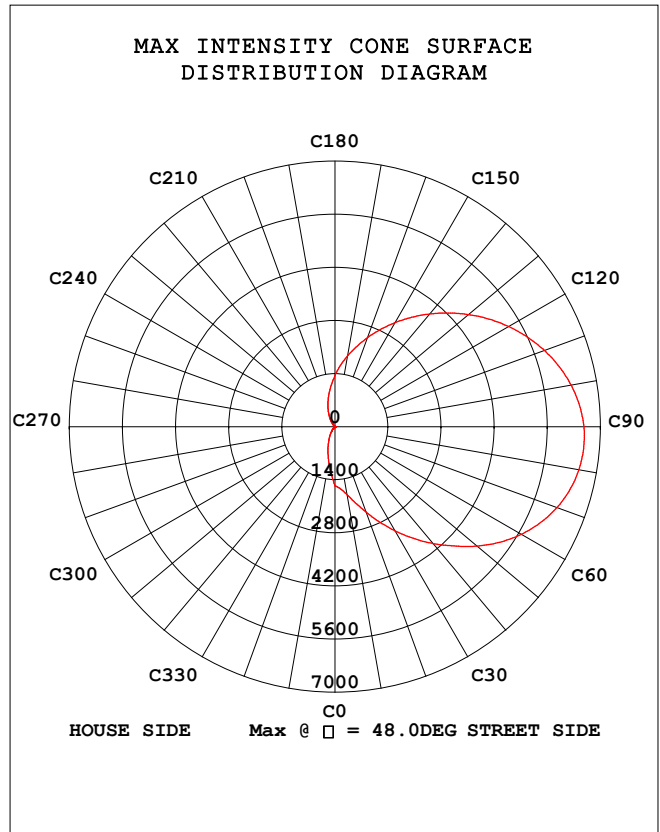
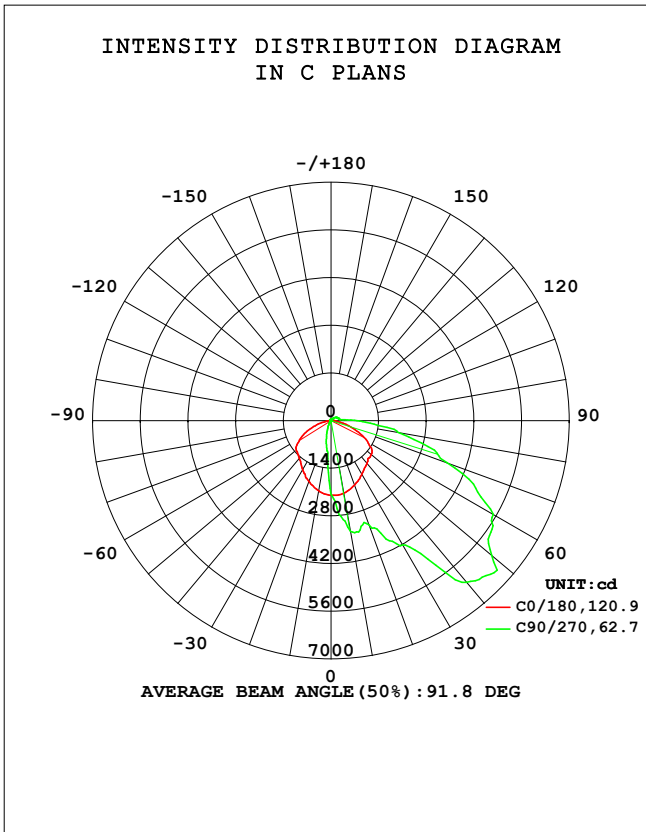


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.45 lm/W			
MODEL		Imax(cd)	6564	<input type="checkbox"/> street_up(%)	4.0
NOMINAL POWER(W)	80	LOR(%)	100.0	<input type="checkbox"/> street_down(%)	85.1
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	10239	<input type="checkbox"/> house_up(%)	1.2
NOMINAL FLUX(lm)	10239.1	MAXIMUM @ (C, <input type="checkbox"/> )	90,48.0	<input type="checkbox"/> house_down(%)	9.7
LAMPS INSIDE	1	<input type="checkbox"/> up(%)	5.1	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	<input type="checkbox"/> down(%)	94.9	SLI	21.034

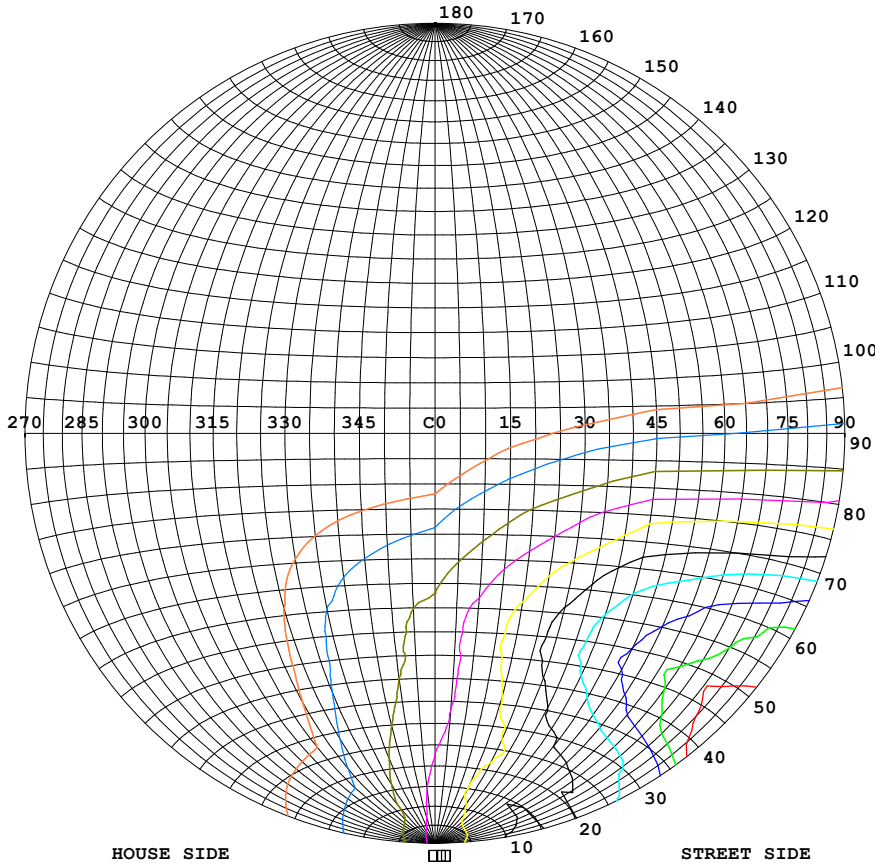


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2024-08-07

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:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:



**Classification:**

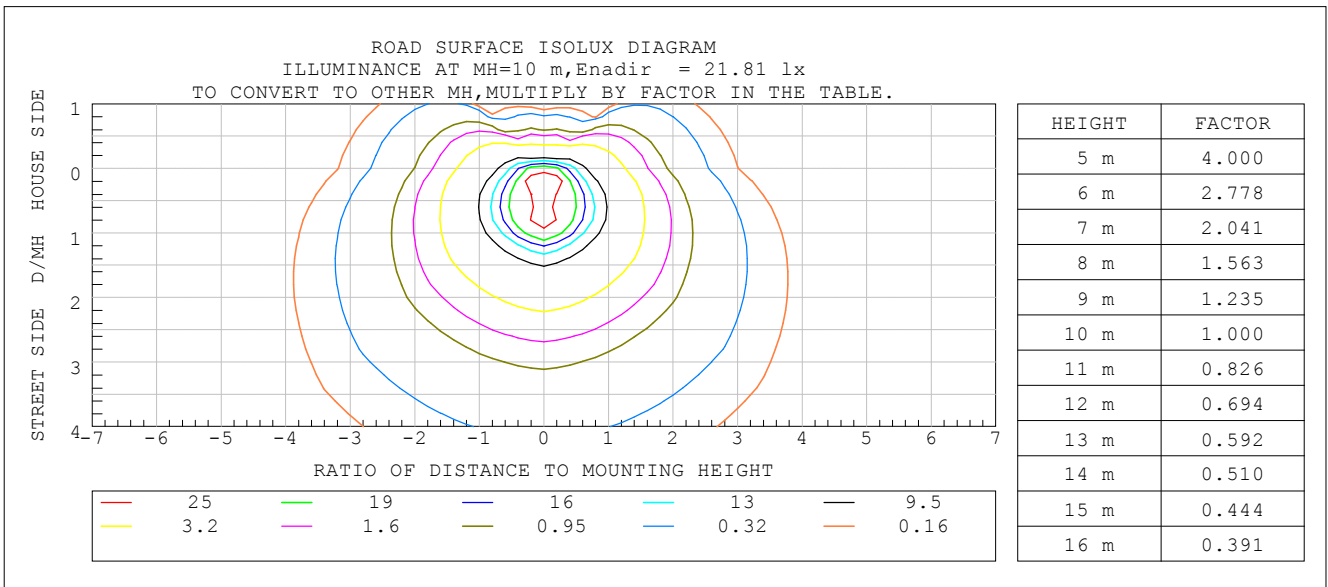
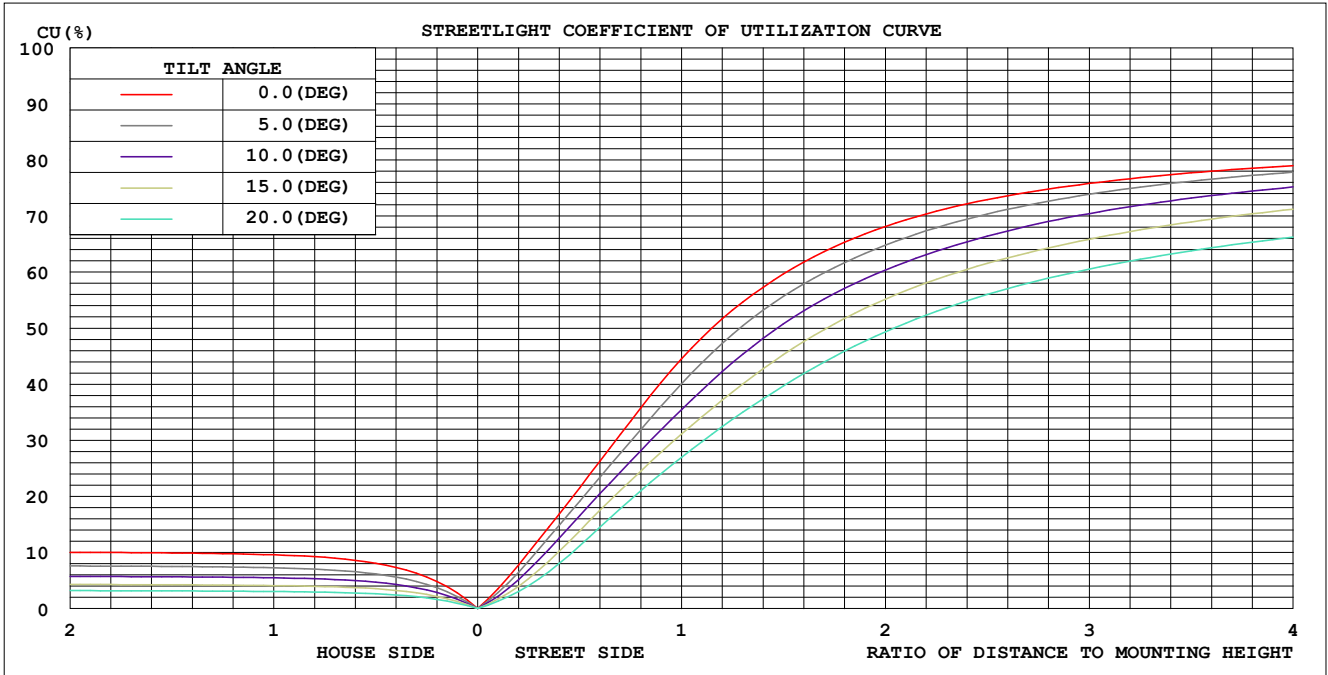
IES:Type IV - Very Short  
 CIE:Average - Short  
 IES:None cut-off  
 CIE:Non-cut-off  
 Max.At80:194.5cd/klm  
 Max.At90:74.85cd/klm  
 Max.80-90:194.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	6564
90%	5908
80%	5251
70%	4595
60%	3938
50%	3282
40%	2626
30%	1969
20%	1313
10%	656
5%	328

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-08-07

□ 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: 2024-08-07

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:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

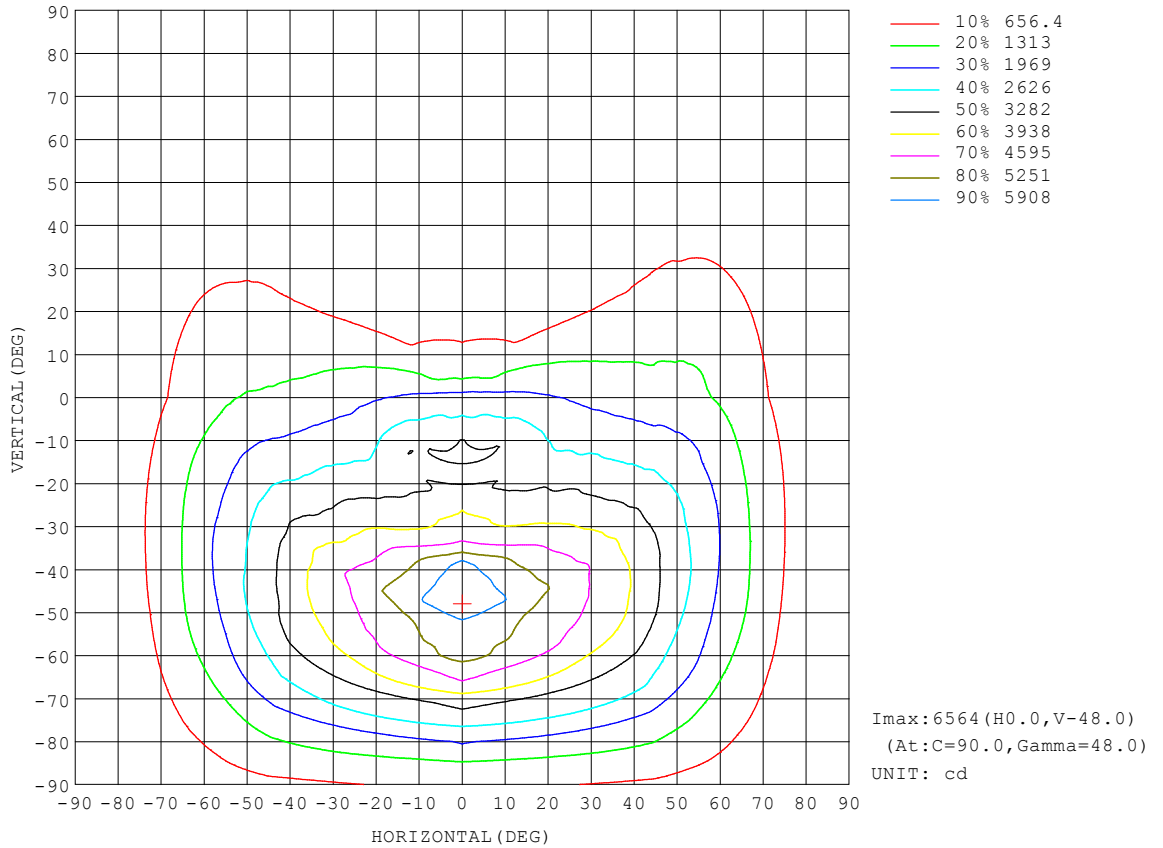
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum,lamp
10	2166	2931	3308	2911	2098	905.9	793.1	909.5	0- 10	191.7	191.7	1.87,1.87
20	2020	3247	3256	3246	1908	527.1	360.6	556.7	10- 20	557.4	749.1	7.32,7.32
30	1818	3316	4214	3195	1670	255.2	149.1	278.7	20- 30	853.3	1602	15.6,15.6
40	1652	3983	6198	3759	1459	115.9	58.60	130.6	30- 40	1265	2868	28,28
50	1539	4400	6168	4143	1346	38.36	2.724	52.27	40- 50	1731	4599	44.9,44.9
60	1239	3952	5508	3660	1030	13.57	4.223	18.57	50- 60	1863	6462	63.1,63.1
70	720.2	2958	3620	2773	584.1	13.65	7.261	17.36	60- 70	1645	8106	79.2,79.2
80	241.7	1694	1991	1564	177.7	14.88	12.55	18.49	70- 80	1099	9205	89.9,89.9
90	48.85	585.5	766.4	550.2	44.26	19.47	20.76	23.08	80- 90	507.8	9713	94.9,94.9
100	49.47	163.6	254.6	162.7	47.11	25.24	31.17	30.39	90-100	166.4	9880	96.5,96.5
110	49.61	140.8	220.5	136.1	46.91	31.12	41.23	37.49	100-110	95.29	9975	97.4,97.4
120	43.24	129.6	194.2	124.7	41.03	35.11	48.51	42.81	110-120	84.91	10060	98.2,98.2
130	43.94	105.8	149.9	102.4	42.10	36.71	49.47	44.31	120-130	69.96	10130	98.9,98.9
140	42.08	77.01	88.90	74.86	41.75	36.87	47.50	44.16	130-140	49.25	10179	99.4,99.4
150	35.40	53.06	42.93	54.72	35.74	34.97	43.30	40.56	140-150	31.43	10210	99.7,99.7
160	28.80	36.69	32.31	38.67	29.09	31.26	37.48	35.49	150-160	17.81	10228	99.9,99.9
170	23.53	22.12	23.31	25.21	23.87	27.20	30.51	30.90	160-170	8.530	10237	100,100
180	21.93	22.42	23.48	27.19	21.97	22.40	23.53	27.19	170-180	2.333	10239	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:2024-08-07

□ 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

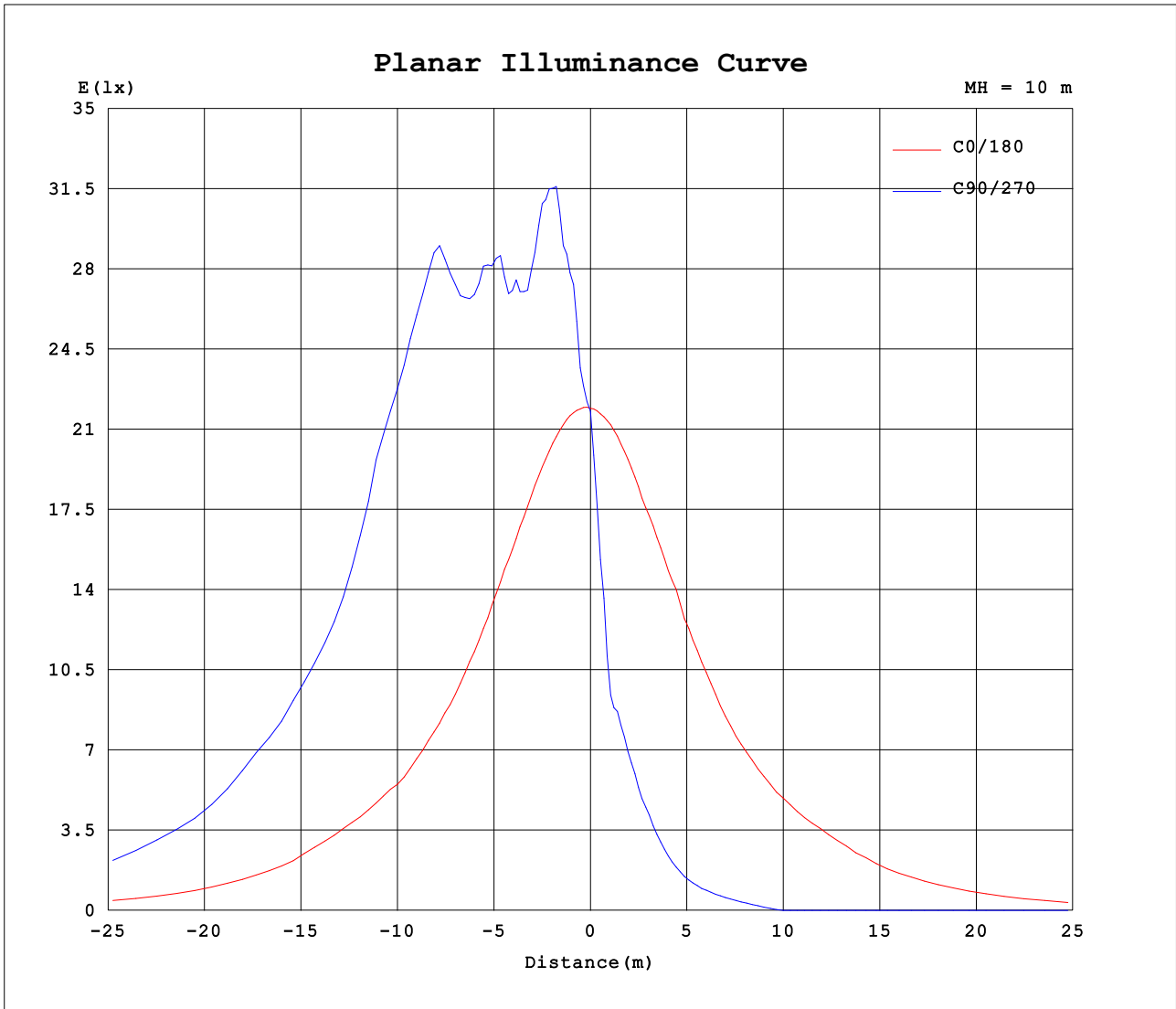
Test:U:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2024-08-07

□ 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



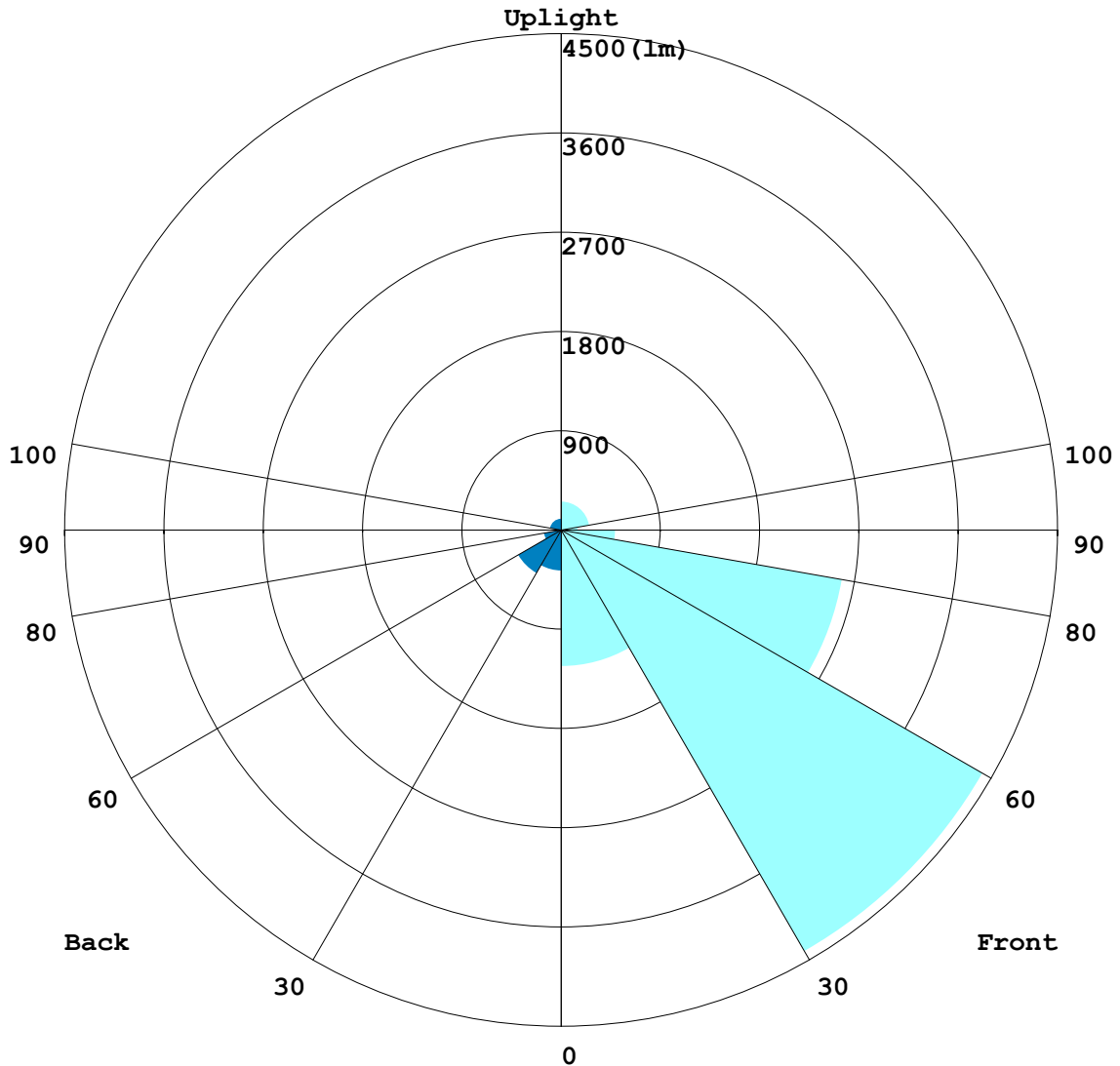
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: lianghaizhu  
 Test Date: 2024-08-07

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:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*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:2024-08-07

□ 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:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1233.3	12.0
FM - Front-Medium(30-60)	4409.2	43.1
FH - Front-High(60-80)	2584.1	25.2
FVH - Front-Very High(80-90)	488.98	4.8
Total Forward Light	9123.1	89.1

BL - Back-Low(0-30)	369.06	3.6
BM - Back-Medium(30-60)	450.03	4.4
BH - Back-High(60-80)	159.54	1.6
BVH - Back-Very High(80-90)	18.826	0.2
Total Back Light	1116	10.9

UL - Uplight-Low(90-100)	166.45	1.6
UH - Uplight-High(100-180)	359.52	3.5
Total Up Light	525.97	5.1

BUG(Back,Up,Glare) Rating	B1-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	997.46	118.55	1116
Street Side	8715.7	407.42	9123.1

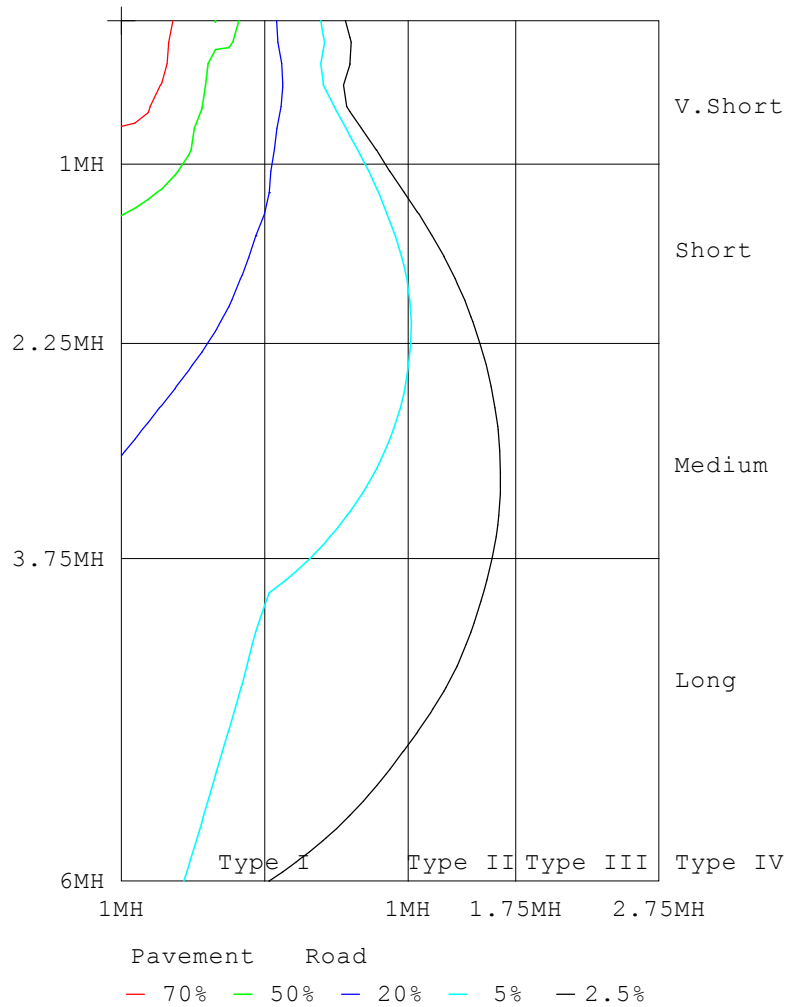
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:lianghaizhu  
Test Date:2024-08-07

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:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*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:2024-08-07

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:120.8V I:0.6513A P:78.49W PF:0.9973 Freq:59.98Hz Lamp Flux:10239.1x1 lm		
NAME: ASD-WLS-A80BR-PC-80W-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:0.28*0.17	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	45	90	135	180	225	270	315										
0	2192	2171	2177	2184	2192	2171	2177	2184										
5	2198	2476	2764	2468	2163	1425	1124	1468										
10	2166	2931	3308	2911	2098	906	793	910										
15	2105	3260	3318	3269	1997	721	542	740										
20	2020	3247	3256	3246	1908	527	361	557										
25	1926	3045	3840	2973	1796	373	228	400										
30	1818	3316	4214	3195	1670	255	149	279										
35	1718	3697	4970	3563	1545	172	104	190										
40	1652	3983	6198	3759	1459	116	58.6	131										
45	1560	4304	6443	4093	1388	74.0	2.57	88.1										
50	1539	4400	6168	4143	1346	38.4	2.72	52.3										
55	1467	4277	5726	3986	1223	13.7	3.32	20.1										
60	1239	3952	5508	3660	1030	13.6	4.22	18.6										
65	989	3527	4693	3336	824	13.8	5.50	17.8										
70	720	2958	3620	2773	584	13.6	7.26	17.4										
75	470	2427	2955	2266	362	13.7	9.56	17.6										
80	242	1694	1991	1564	178	14.9	12.5	18.5										
85	93.4	1083	1282	1000	70.2	17.0	16.4	20.4										
90	48.8	586	766	550	44.3	19.5	20.8	23.1										
95	47.5	291	374	292	44.8	22.3	25.9	26.6										
100	49.5	164	255	163	47.1	25.2	31.2	30.4										
105	50.5	144	231	140	47.9	28.3	36.5	34.1										
110	49.6	141	220	136	46.9	31.1	41.2	37.5										
115	46.3	134	213	131	43.7	33.4	45.4	40.5										
120	43.2	130	194	125	41.0	35.1	48.5	42.8										
125	43.1	119	179	115	41.0	36.1	49.5	43.8										
130	43.9	106	150	102	42.1	36.7	49.5	44.3										
135	43.7	91.4	104	88.9	42.5	37.0	48.8	44.7										
140	42.1	77.0	88.9	74.9	41.8	36.9	47.5	44.2										
145	39.0	65.5	65.7	64.8	39.2	36.2	45.5	42.6										
150	35.4	53.1	42.9	54.7	35.7	35.0	43.3	40.6										
155	32.0	46.1	37.5	48.6	32.3	33.2	40.8	38.0										
160	28.8	36.7	32.3	38.7	29.1	31.3	37.5	35.5										
165	25.8	27.1	29.2	29.7	26.2	29.4	34.3	33.3										
170	23.5	22.1	23.3	25.2	23.9	27.2	30.5	30.9										
175	22.1	20.4	20.0	24.7	22.3	24.8	27.0	28.8										
180	21.9	22.4	23.5	27.2	22.0	22.4	23.5	27.2										

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:lianghaizhu  
 Test Date:2024-08-07

□ 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: