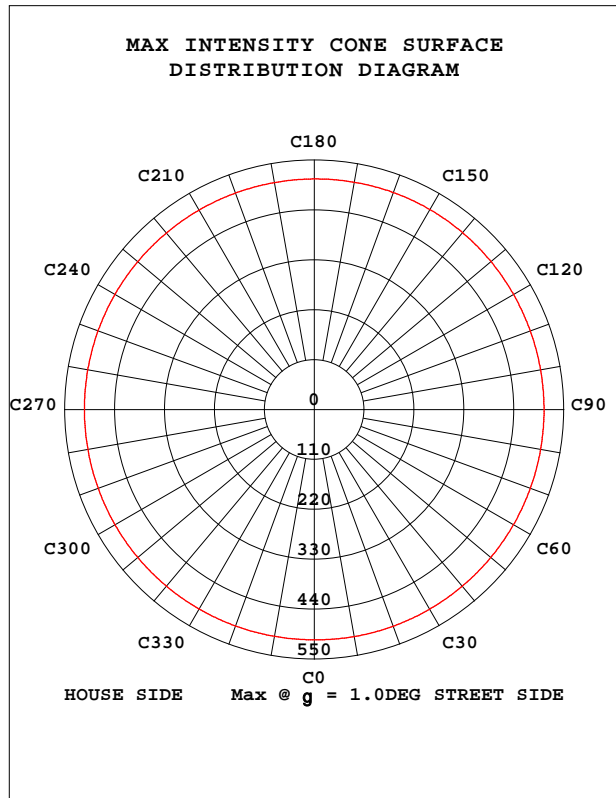
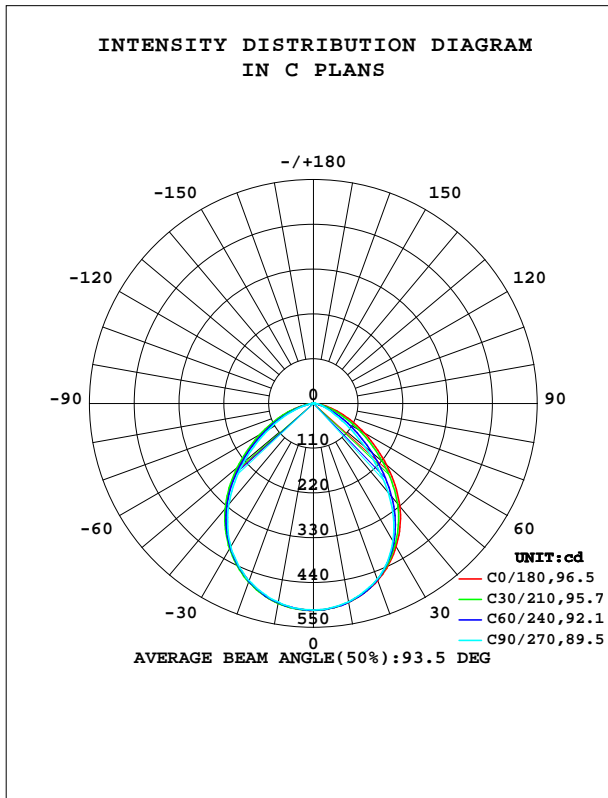


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.30 lm/W			
MODEL:DL7-4DA13AC(13W,5000K)		Imax(cd)	509.5	h street_up(%)	0.3
NOMINAL POWER(W)	13	LOR(%)	100.0	h street_down(%)	47.4
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1100	h house_up(%)	0.2
NOMINAL FLUX(lm)	1100.25	MAXIMUM @(C,g)	150,1.0	h house_down(%)	52.2
LAMPS INSIDE	1	h up(%)	0.4	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	h down(%)	99.6	SLI	15.661

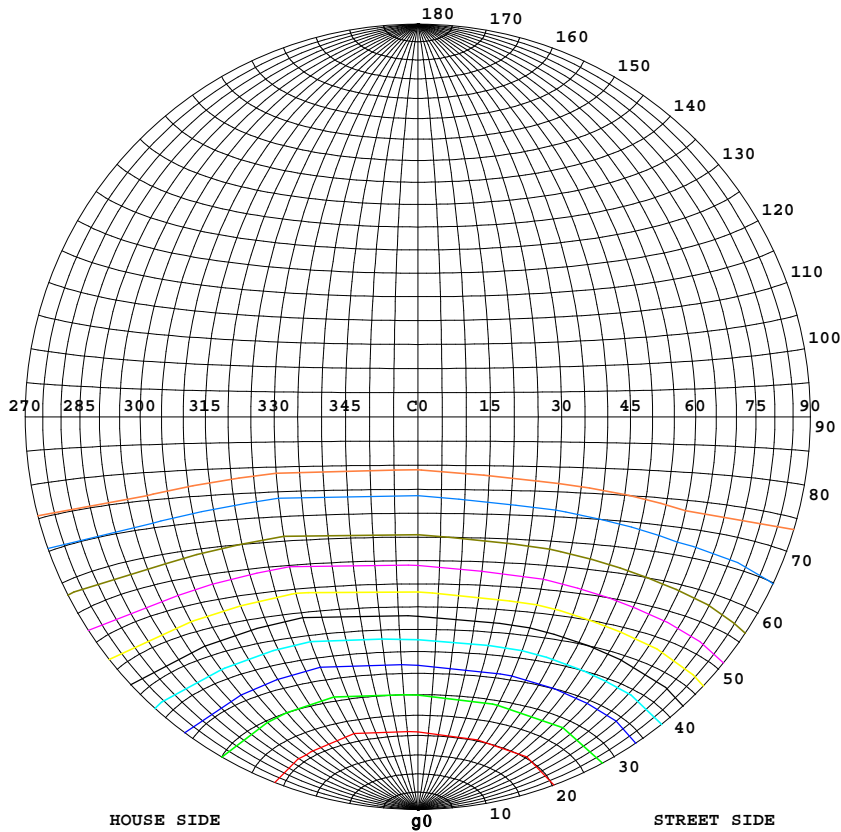


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0345]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



Classification:

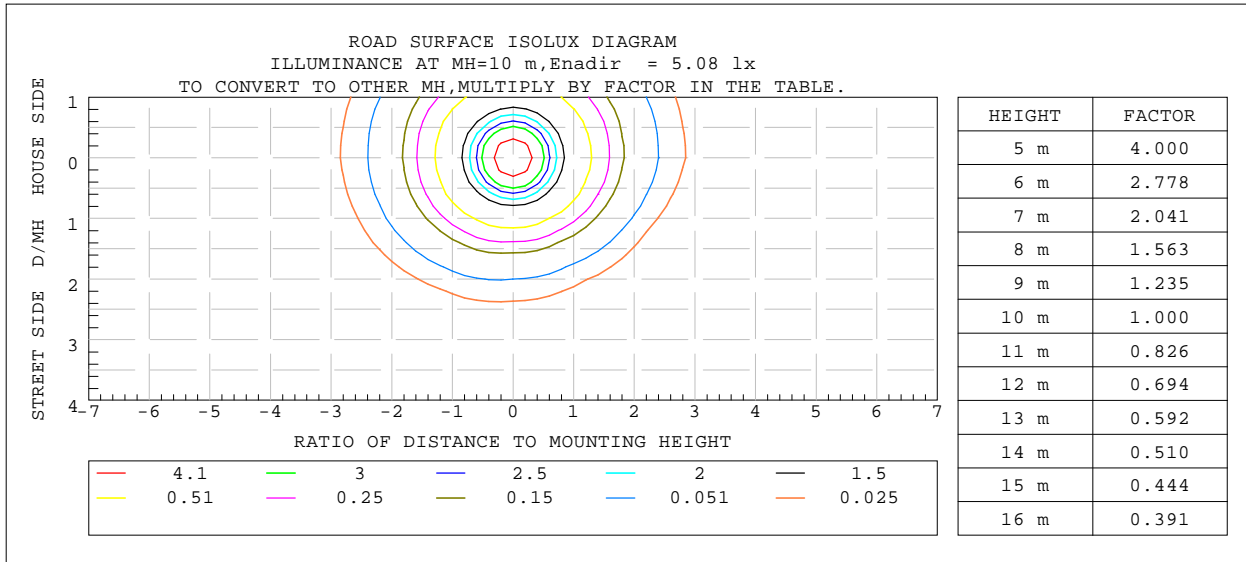
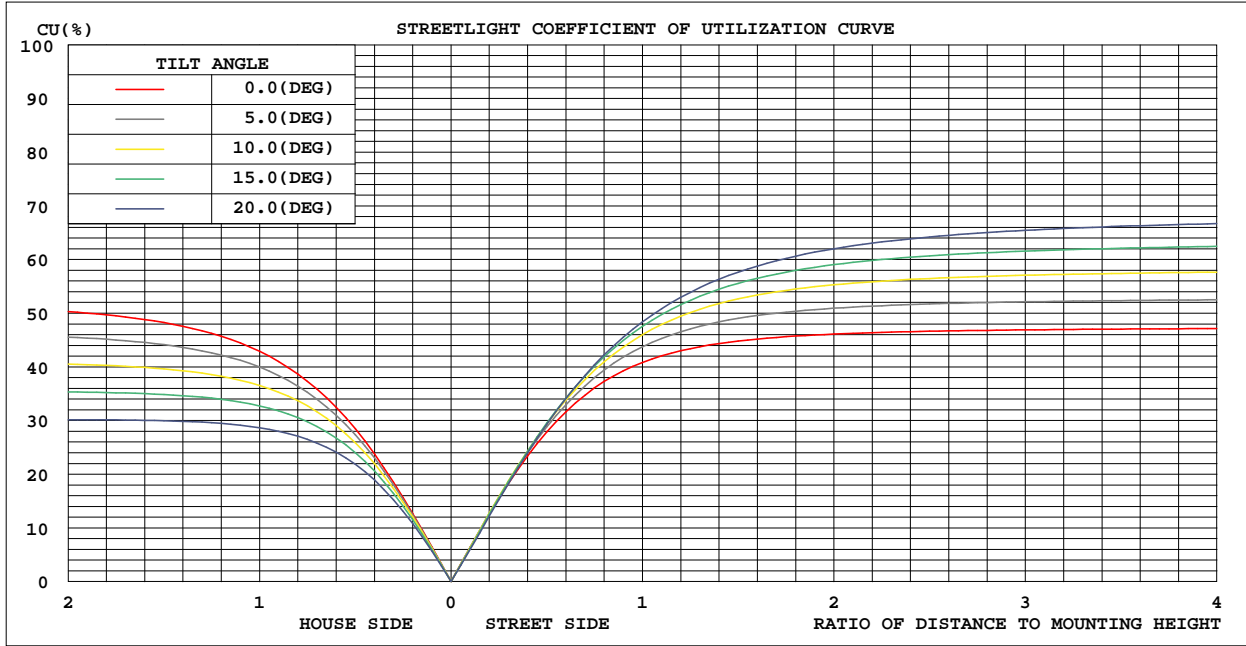
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:18.29cd/klm
 Max.At90:0.8478cd/klm
 Max.80-90:18.29cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	510
90%	459
80%	408
70%	357
60%	306
50%	255
40%	204
30%	153
20%	102
10%	51
5%	25

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0345]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 25 November 2024

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 8.700m [K=1.0345]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

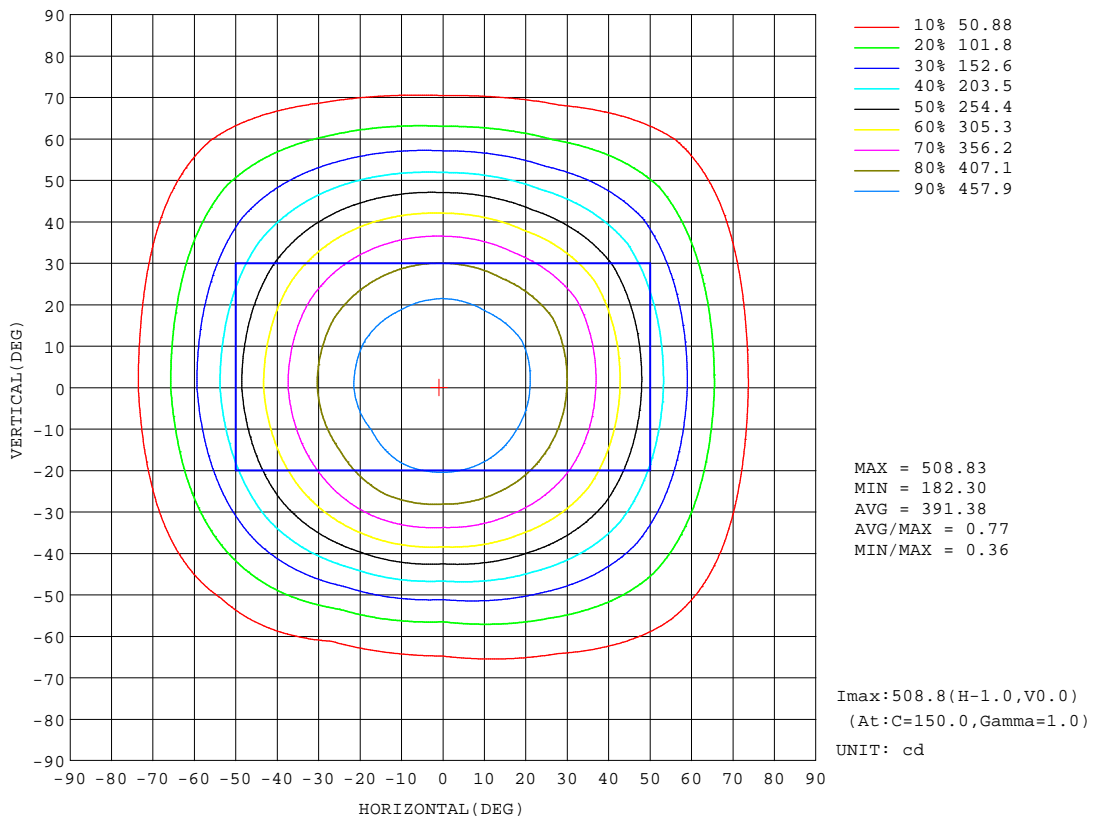
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	496.3	495.7	494.7	495.3	498.0	497.7	494.9	497.0	0- 10	47.92	47.92	4.36,4.36
20	462.7	460.3	458.6	459.8	464.6	466.0	462.6	465.6	10- 20	135.9	183.9	16.7,16.7
30	406.2	398.0	390.9	400.2	409.1	410.8	406.2	409.4	20- 30	200.7	384.5	34.9,34.9
40	330.3	310.5	286.1	309.3	334.8	334.9	324.2	331.6	30- 40	227.8	612.4	55.7,55.7
50	234.4	204.4	164.7	195.7	240.0	239.4	222.1	233.8	40- 50	207.6	819.9	74.5,74.5
60	143.9	112.7	75.61	96.56	147.4	145.0	126.1	139.1	50- 60	150.4	970.3	88.2,88.2
70	72.10	47.87	32.81	34.67	72.15	67.13	53.19	64.62	60- 70	85.71	1056	96,96
80	20.05	11.47	12.54	12.22	15.35	14.54	10.45	15.75	70- 80	34.03	1090	99.1,99.1
90	0.0030	0	0.0000	0.5377	0	0.0087	0.1651	0.1569	80- 90	5.232	1095	99.6,99.6
100	0.0171	0.3492	0.3622	0.6727	0.1369	0.0485	0	0.0602	90-100	0.3167	1096	99.6,99.6
110	0.2047	0.7054	2.633	1.644	0.3535	0.2567	0.1250	0.1883	100-110	0.6620	1096	99.6,99.6
120	0.4552	0.4965	2.052	0.7140	0.6382	0.5277	0.3978	0.4564	110-120	0.6500	1097	99.7,99.7
130	0.7230	0.7331	0.9881	0.7502	0.9459	0.8303	0.7162	0.7615	120-130	0.6473	1098	99.8,99.8
140	0.9566	0.9671	1.092	1.021	1.174	1.107	1.023	1.038	130-140	0.7073	1098	99.8,99.8
150	1.167	1.201	1.274	1.226	1.373	1.318	1.274	1.269	140-150	0.7222	1099	99.9,99.9
160	1.384	1.415	1.450	1.437	1.538	1.503	1.467	1.457	150-160	0.6271	1100	99.9,99.9
170	1.612	1.652	1.678	1.657	1.715	1.686	1.655	1.643	160-170	0.4393	1100	100,100
180	1.794	1.811	1.803	1.805	1.800	1.806	1.791	1.805	170-180	0.1647	1100	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0345]
 Remarks:

ISOCANDELA DIAGRAM

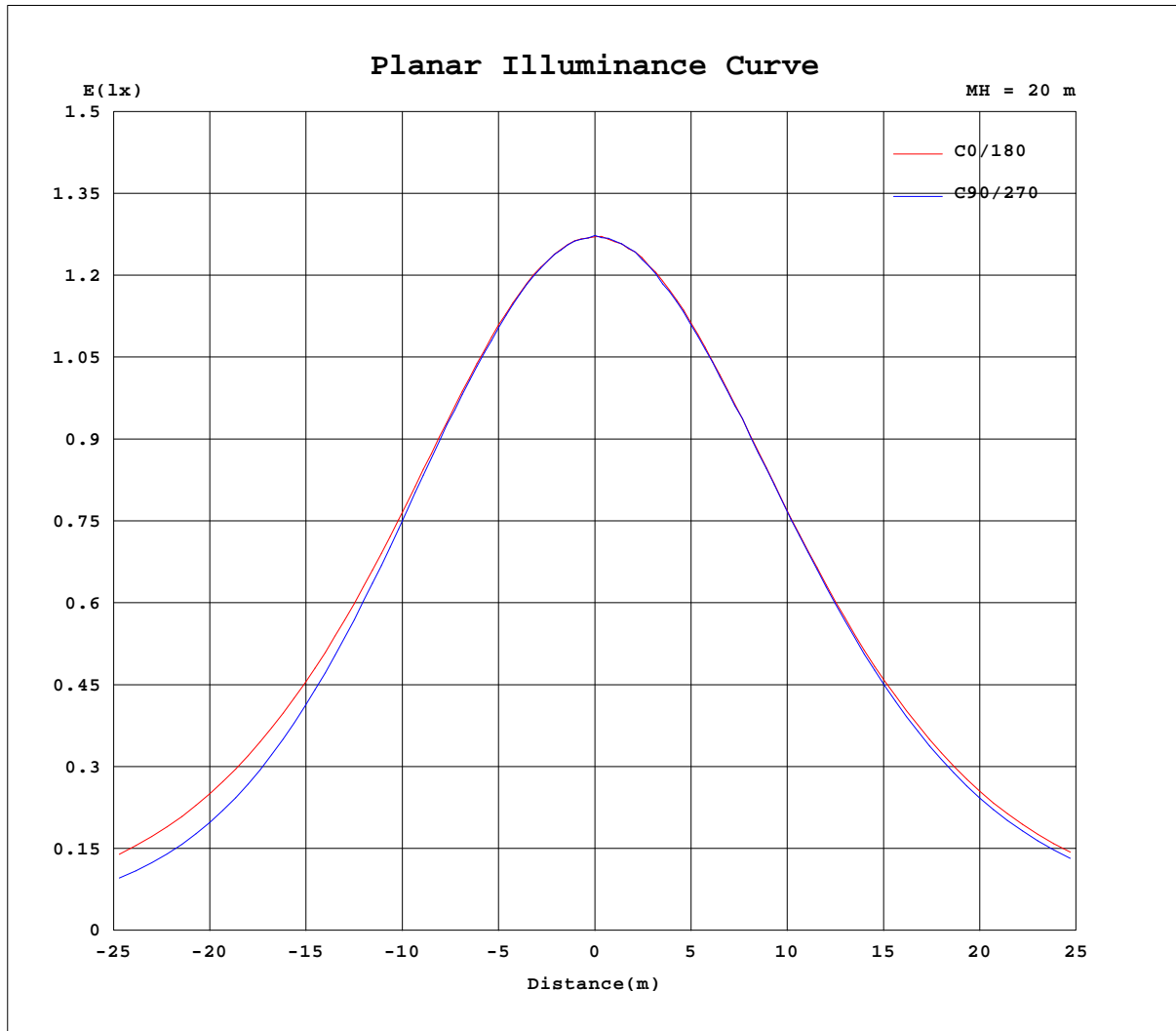
Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0345]
 Remarks:

Planar Illuminance Curve



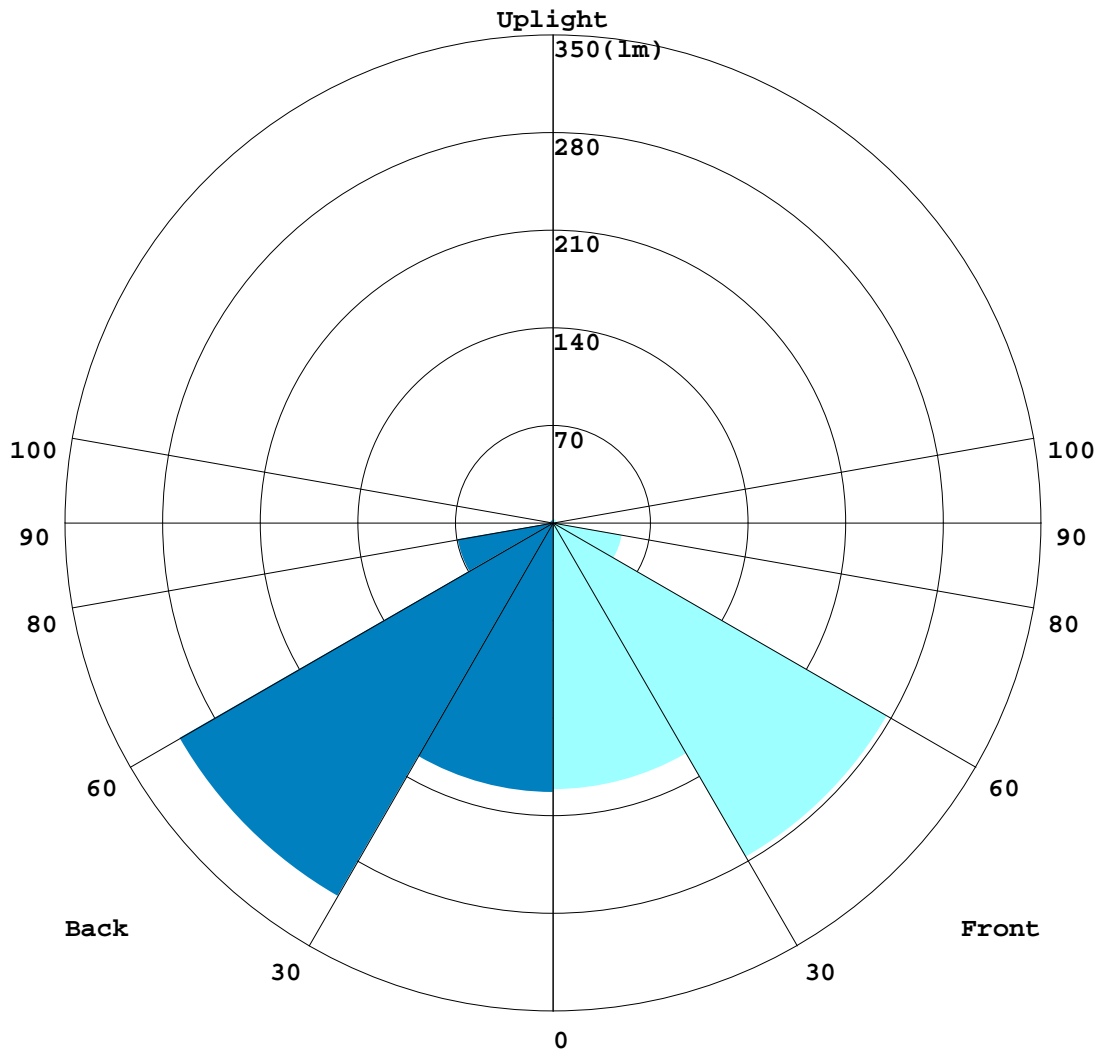
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0345]
 Remarks:

LCS REPORT

Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0345]
 Remarks:

BUG REPORT

Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	191.21	17.4
FM - Front-Medium(30-60)	276.69	25.1
FH - Front-High(60-80)	50.438	4.6
FVH - Front-Very High(80-90)	2.8094	0.3
Total Forward Light	524.13	47.6

BL - Back-Low(0-30)	193.31	17.6
BM - Back-Medium(30-60)	309.12	28.1
BH - Back-High(60-80)	69.303	6.3
BVH - Back-Very High(80-90)	2.4228	0.2
Total Back Light	576.12	52.4

UL - Uplight-Low(90-100)	0.31672	0.0
UH - Uplight-High(100-180)	4.6199	0.4
Total Up Light	4.9366	0.4

BUG(Back,Up,Glare) Rating	B1-U1-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	574.17	1.9497	576.12
Street Side	521.15	2.9869	524.13

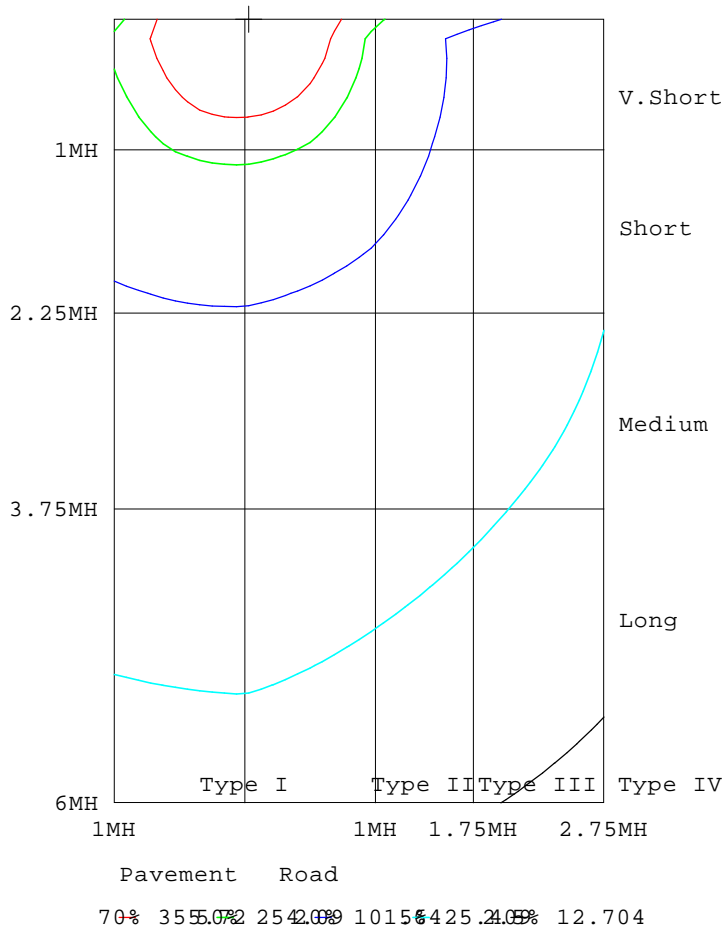
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:25 November 2024

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.700m [K=1.0345]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0345]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.08V I:0.1235A P:12.898W PF:0.9860 Freq:60.00Hz Lamp Flux:1100.25x1 lm		
NAME:	TYPE:13W 5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	508	508	508	508	508	508	508	508	508	508	508	508						
5	505	504	504	503	505	504	505	506	505	505	505	506						
10	496	495	496	495	496	495	498	499	497	495	496	498						
15	482	481	482	479	482	480	484	485	484	482	481	486						
20	463	460	460	459	461	458	465	467	465	463	462	469						
25	437	434	431	430	436	432	439	442	439	438	437	444						
30	406	401	395	391	400	400	409	412	409	406	405	414						
35	370	364	350	343	355	363	373	377	373	368	367	380						
40	330	322	299	286	300	318	335	338	332	324	324	339						
45	284	272	243	224	238	268	289	293	285	274	275	294						
50	234	221	188	165	177	215	240	244	234	222	223	244						
55	187	172	139	115	124	162	192	196	185	172	174	195						
60	144	128	97.3	75.6	79.9	113	147	152	138	126	128	150						
65	105	90.1	63.9	49.9	48.9	71.8	107	111	96.1	86.3	88.6	109						
70	72.1	58.0	37.7	32.8	31.4	37.9	72.1	74.1	60.1	53.2	55.7	73.5						
75	44.1	32.3	19.5	22.4	23.5	15.5	42.8	42.7	30.9	27.0	29.2	43.6						
80	20.1	13.8	9.17	12.5	13.4	11.1	15.3	18.0	11.1	10.4	11.4	20.1						
85	4.63	3.61	2.64	5.85	6.91	4.79	3.80	3.65	1.33	1.55	2.06	5.77						
90	0.00	0.00	0.00	0.00	0.14	0.93	0.00	0.01	0.01	0.17	0.02	0.30						
95	0.00	0.00	0.13	0.41	1.04	2.66	0.05	0.00	0.00	0.48	0.41	0.00						
100	0.02	0.43	0.27	0.36	0.29	1.05	0.14	0.05	0.05	0.00	0.02	0.10						
105	0.10	0.17	1.65	1.86	3.47	1.01	0.23	0.15	0.14	0.03	0.09	0.09						
110	0.20	0.27	1.14	2.63	2.59	0.70	0.35	0.28	0.23	0.12	0.19	0.19						
115	0.32	0.38	0.74	2.47	1.28	0.41	0.48	0.40	0.37	0.26	0.30	0.30						
120	0.46	0.51	0.48	2.05	0.90	0.53	0.64	0.54	0.52	0.40	0.45	0.46						
125	0.59	0.64	0.58	1.46	0.79	0.68	0.79	0.68	0.67	0.56	0.63	0.62						
130	0.72	0.76	0.70	0.99	0.70	0.80	0.95	0.84	0.82	0.72	0.76	0.76						
135	0.84	0.88	0.83	0.91	0.90	0.92	1.07	0.99	0.97	0.88	0.92	0.92						
140	0.96	0.99	0.95	1.09	1.01	1.03	1.17	1.11	1.10	1.02	1.07	1.01						
145	1.06	1.11	1.06	1.19	1.09	1.13	1.28	1.21	1.23	1.15	1.20	1.15						
150	1.17	1.22	1.18	1.27	1.21	1.24	1.37	1.30	1.34	1.27	1.30	1.24						
155	1.28	1.33	1.29	1.37	1.30	1.35	1.46	1.39	1.44	1.37	1.41	1.34						
160	1.38	1.43	1.40	1.45	1.41	1.46	1.54	1.49	1.51	1.47	1.48	1.44						
165	1.50	1.54	1.52	1.57	1.51	1.57	1.66	1.57	1.60	1.58	1.59	1.52						
170	1.61	1.66	1.64	1.68	1.62	1.69	1.71	1.68	1.69	1.65	1.67	1.61						
175	1.72	1.77	1.74	1.77	1.74	1.80	1.78	1.77	1.76	1.72	1.78	1.73						
180	1.79	1.81	1.81	1.80	1.80	1.81	1.80	1.81	1.80	1.79	1.81	1.80						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:25 November 2024

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
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