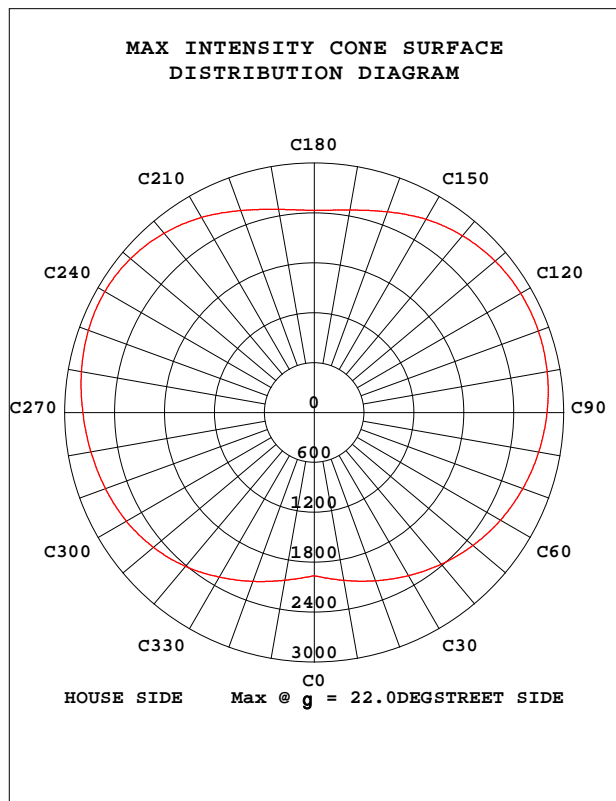
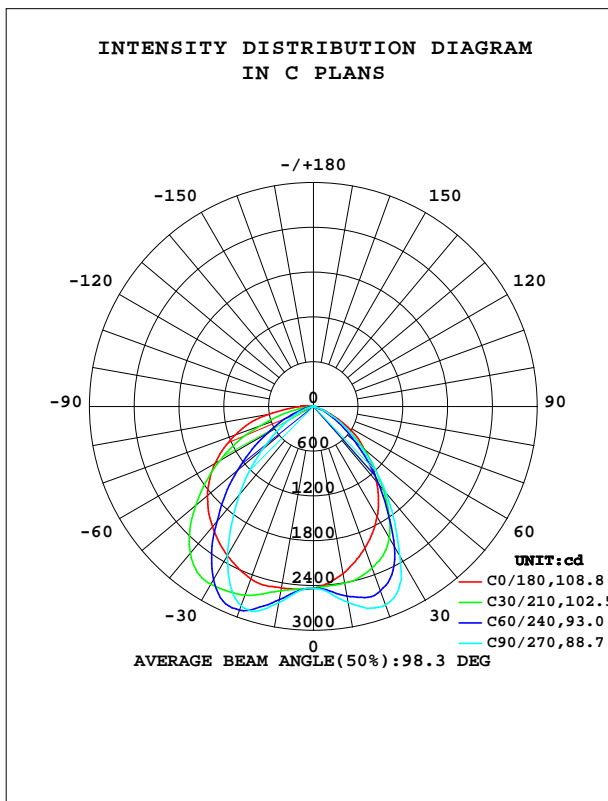


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.69 lm/W			
MSDEELA-MV-50DAV-BK(4000K)		Imax(cd)	2910	h street_up(%)	0.3
NOMINAL POWER(W)	50	LOR(%)	100.0	h street_down(%)	46.0
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	6223	h house_up(%)	0.5
NOMINAL FLUX(lm)	6223	MAXIMUM @(C,g)	240,22.0	h house_down(%)	53.3
LAMPS INSIDE	1	h up(%)	0.7	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120.0	h down(%)	99.3	SLI	13.534

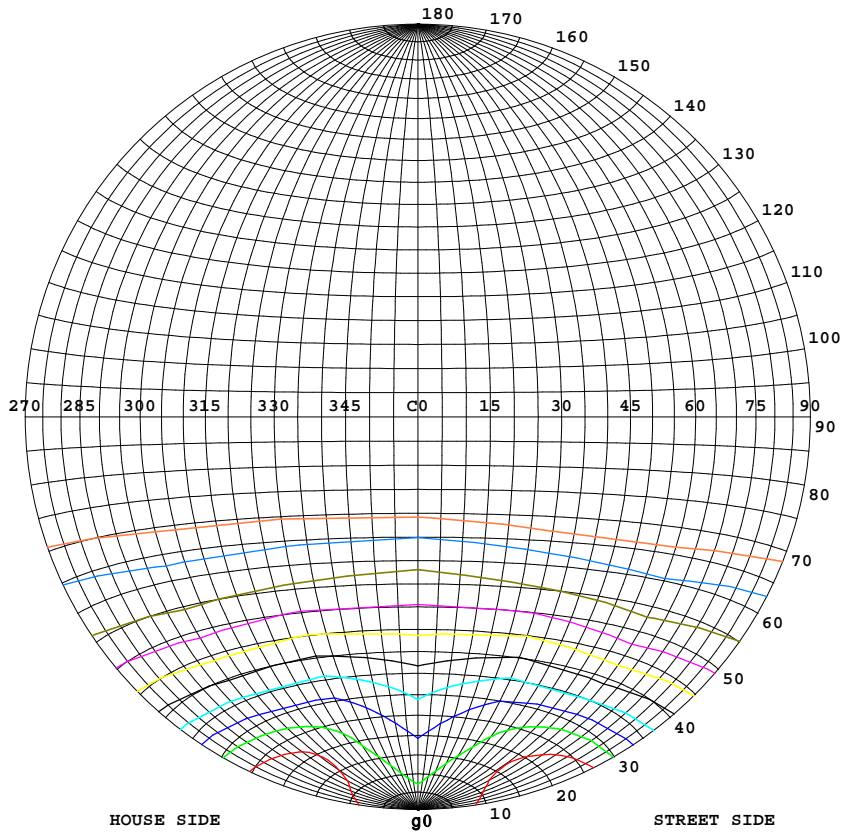


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-13

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=1.1575]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



Classification:

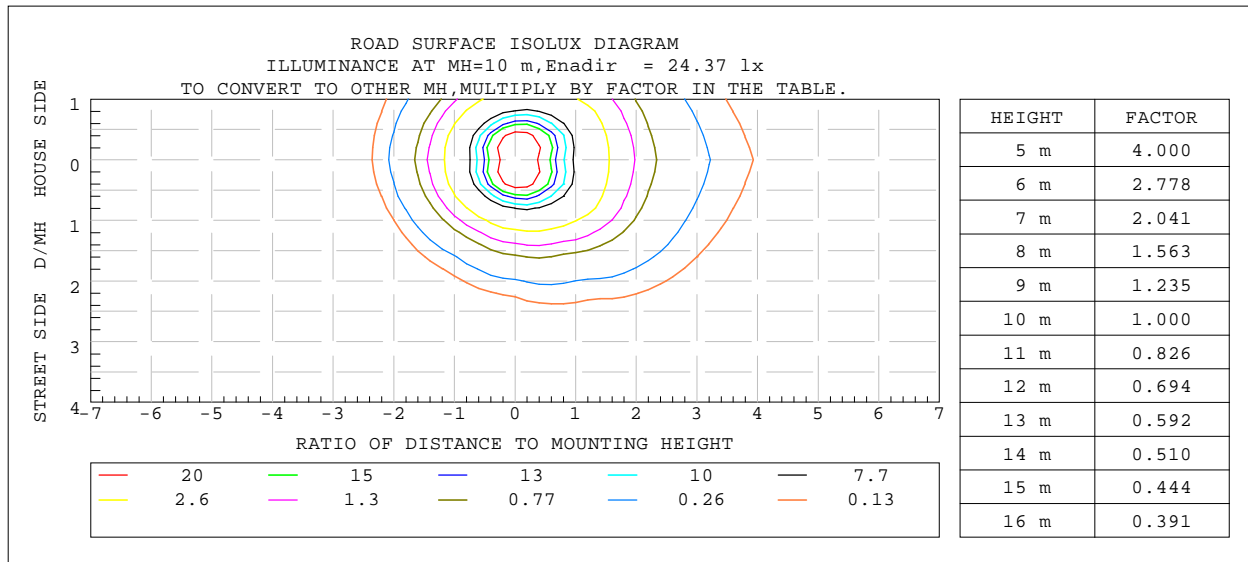
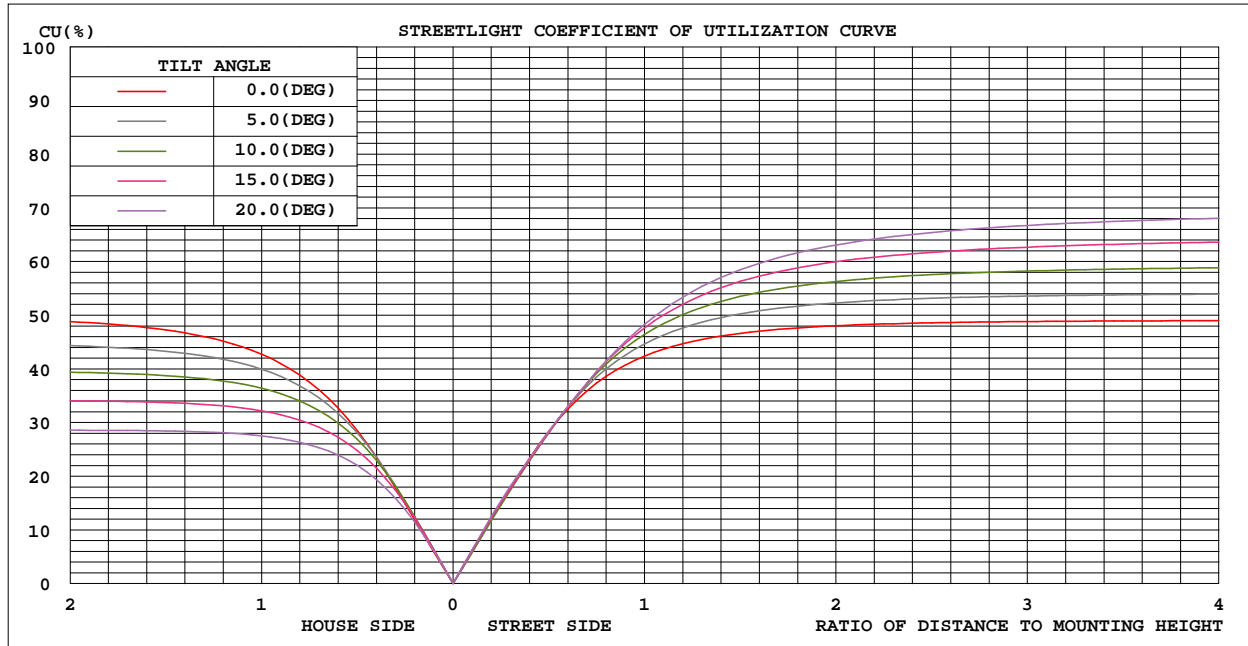
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:99.24cd/klm
 Max.At90:24.21cd/klm
 Max.80-90:99.24cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2910
90%	2619
80%	2328
70%	2037
60%	1746
50%	1455
40%	1164
30%	873
20%	582
10%	291
5%	146

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=1.1575]
 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: 2022-09-13

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.700m [K=1.1575]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

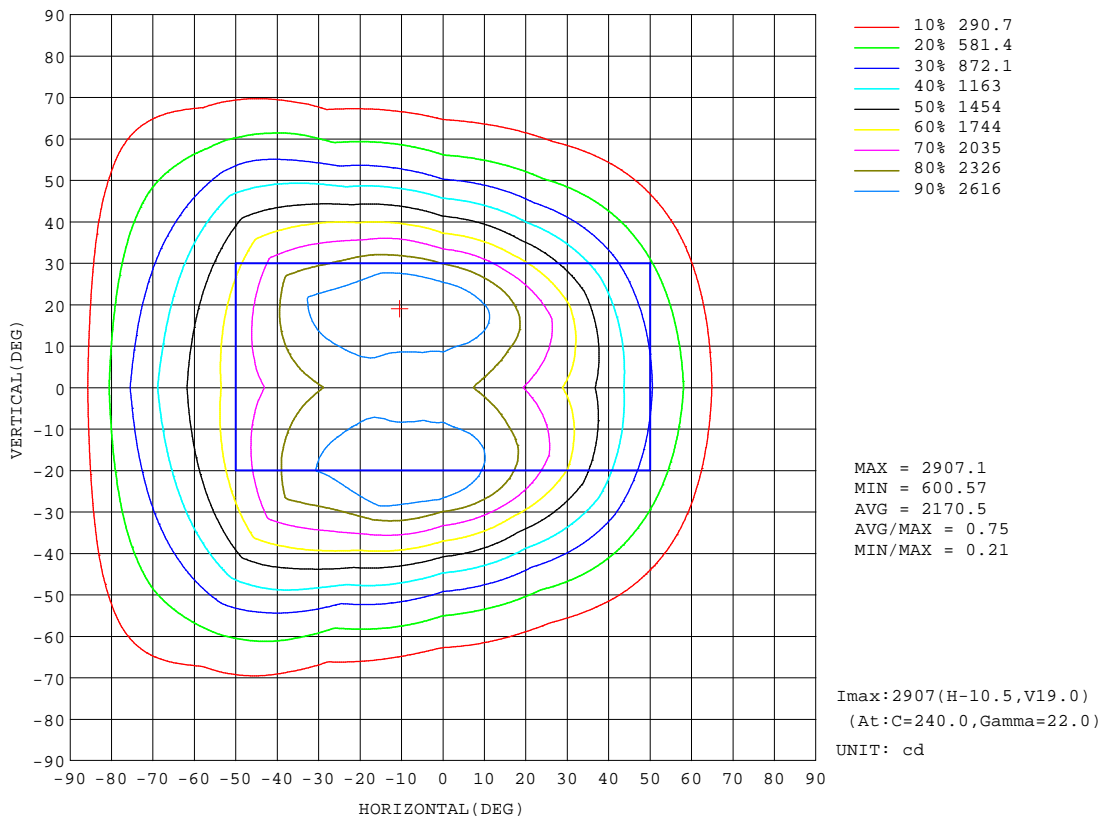
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	2275	2492	2663	2581	2469	2568	2665	2481	0- 10	237.0	237.0	3.81,3.81
20	2018	2463	2824	2769	2457	2796	2838	2493	10- 20	732.8	969.8	15.6,15.6
30	1706	2104	2317	2714	2306	2714	2311	2109	20- 30	1151	2121	34.1,34.1
40	1318	1413	1516	2255	2105	2288	1544	1453	30- 40	1287	3408	54.8,54.8
50	894.7	794.0	826.6	1684	1853	1695	885.4	842.7	40- 50	1147	4556	73.2,73.2
60	494.9	345.4	400.8	1060	1523	1081	432.3	396.6	50- 60	851.1	5407	86.9,86.9
70	123.3	75.19	111.5	519.9	1115	523.6	158.6	131.4	60- 70	509.3	5916	95.1,95.1
80	6.215	2.465	2.959	127.2	617.6	137.6	19.72	8.133	70- 80	212.8	6129	98.5,98.5
90	1.756	1.220	0.3149	7.666	150.7	25.73	1.800	1.259	80- 90	48.43	6177	99.3,99.3
100	3.389	1.987	0.7640	2.368	24.89	8.009	0.7066	1.913	90-100	16.74	6194	99.5,99.5
110	5.260	3.357	1.919	1.984	2.572	3.682	3.245	3.529	100-110	3.404	6197	99.6,99.6
120	6.988	5.111	3.155	3.090	3.771	2.815	3.311	4.701	110-120	3.529	6201	99.6,99.6
130	8.281	6.967	5.282	4.767	5.400	4.371	4.771	6.438	120-130	4.348	6205	99.7,99.7
140	9.075	8.394	7.351	6.494	7.085	6.140	6.898	7.861	130-140	5.076	6210	99.8,99.8
150	9.681	9.442	8.327	7.668	7.249	7.346	7.998	9.079	140-150	4.966	6215	99.9,99.9
160	10.19	10.06	9.005	9.464	8.720	9.362	8.840	9.980	150-160	4.056	6219	99.9,99.9
170	10.55	10.77	10.08	9.984	11.23	9.974	10.00	10.81	160-170	2.833	6222	100,100
180	11.05	11.04	11.14	11.18	11.03	11.09	11.16	11.15	170-180	1.045	6223	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:2022-09-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=1.1575]
 Remarks:

ISOCANDELA DIAGRAM

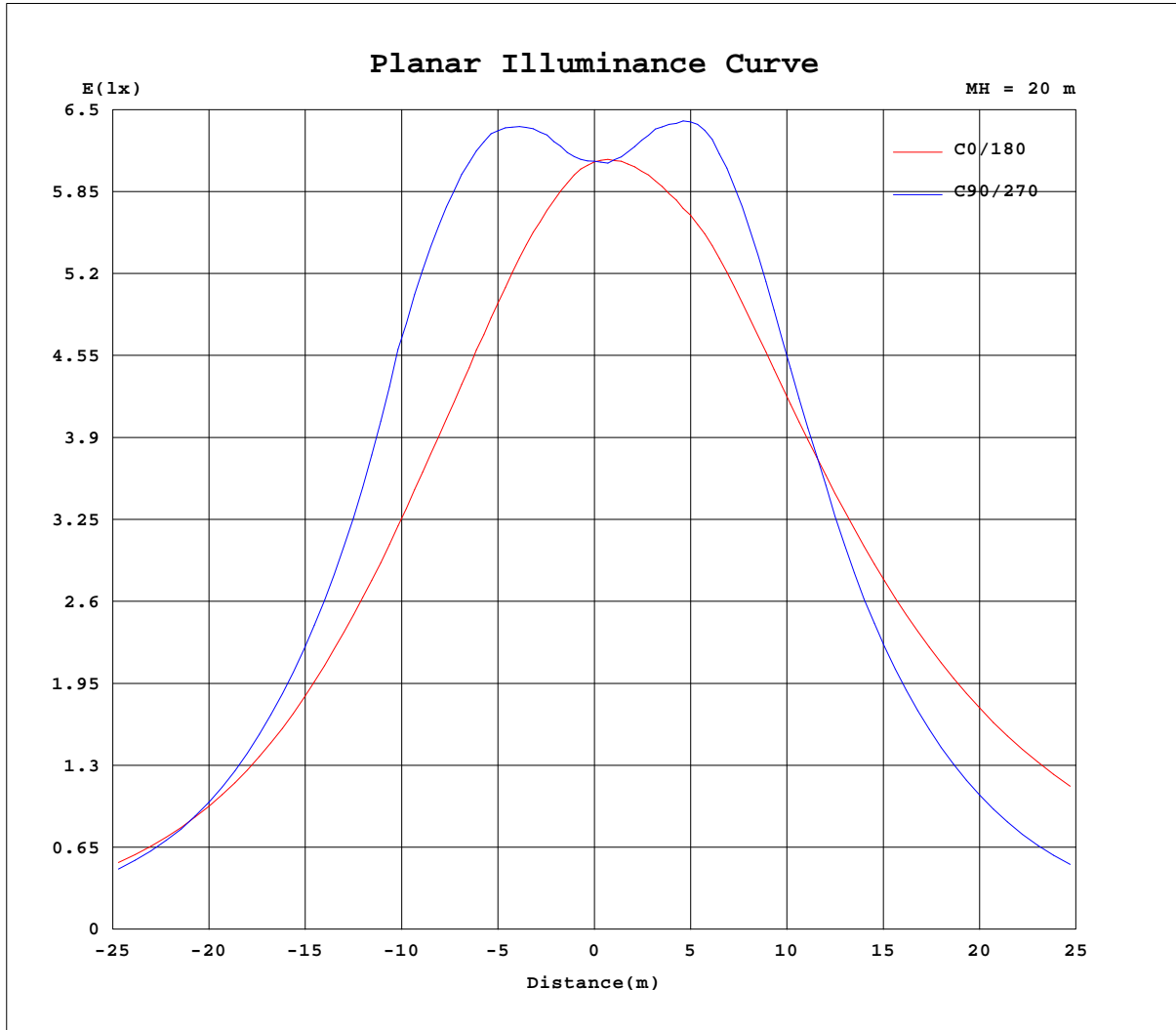
Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.1575]
 Remarks:

Planar Illuminance Curve



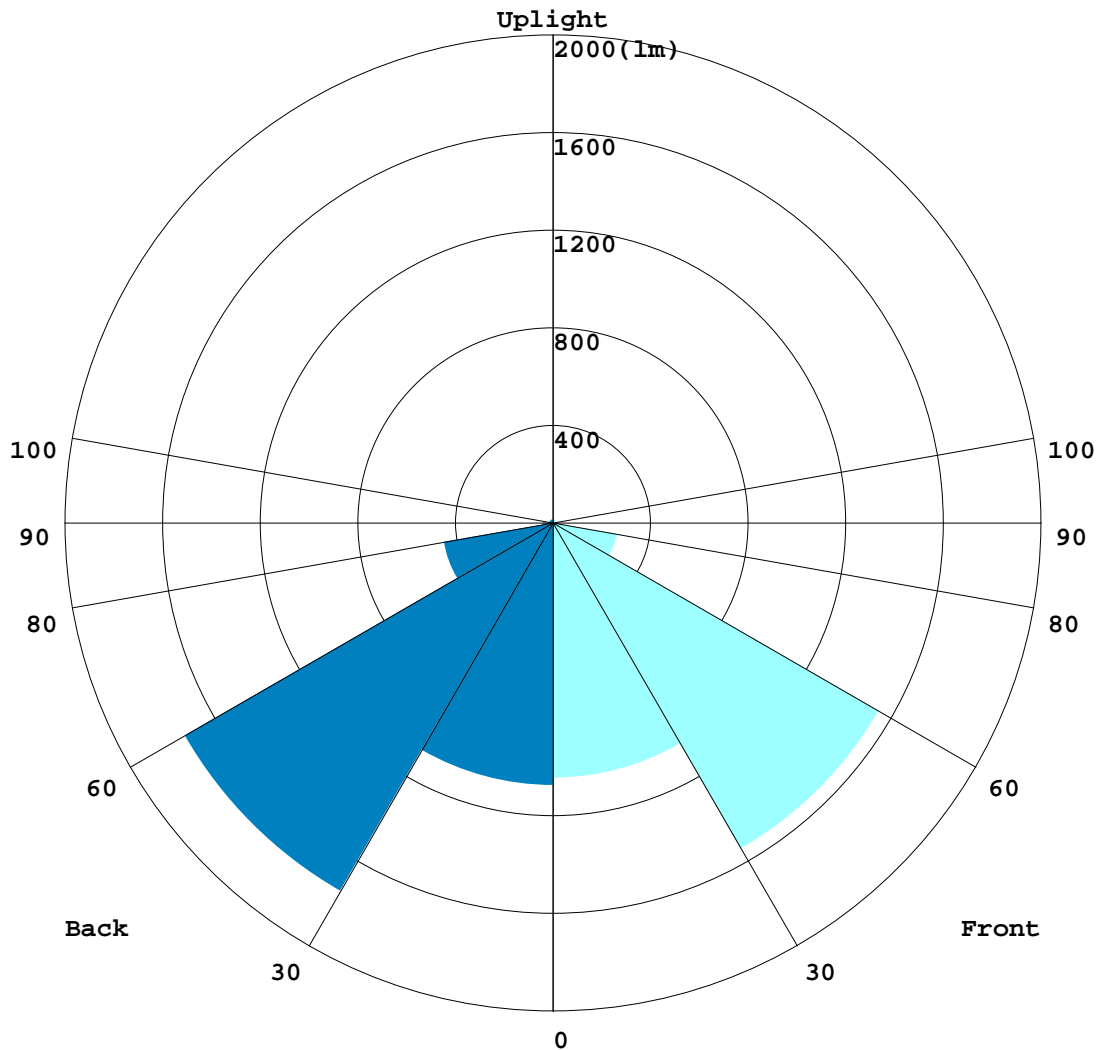
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.1575]
 Remarks:

LCS REPORT

Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=1.1575]
 Remarks:

BUG REPORT

Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1045.1	16.8
FM - Front-Medium(30-60)	1542.8	24.8
FH - Front-High(60-80)	267.7	4.3
FVH - Front-Very High(80-90)	7.6811	0.1
Total Forward Light	2880	46.3

BL - Back-Low(0-30)	1076	17.3
BM - Back-Medium(30-60)	1743	28.0
BH - Back-High(60-80)	454.34	7.3
BVH - Back-Very High(80-90)	40.744	0.7
Total Back Light	3343.3	53.7

UL - Uplight-Low(90-100)	16.739	0.3
UH - Uplight-High(100-180)	29.257	0.5
Total Up Light	45.995	0.7

BUG(Back,Up,Glare) Rating	B3-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3314	29.248	3343.3
Street Side	2863.2	16.748	2880

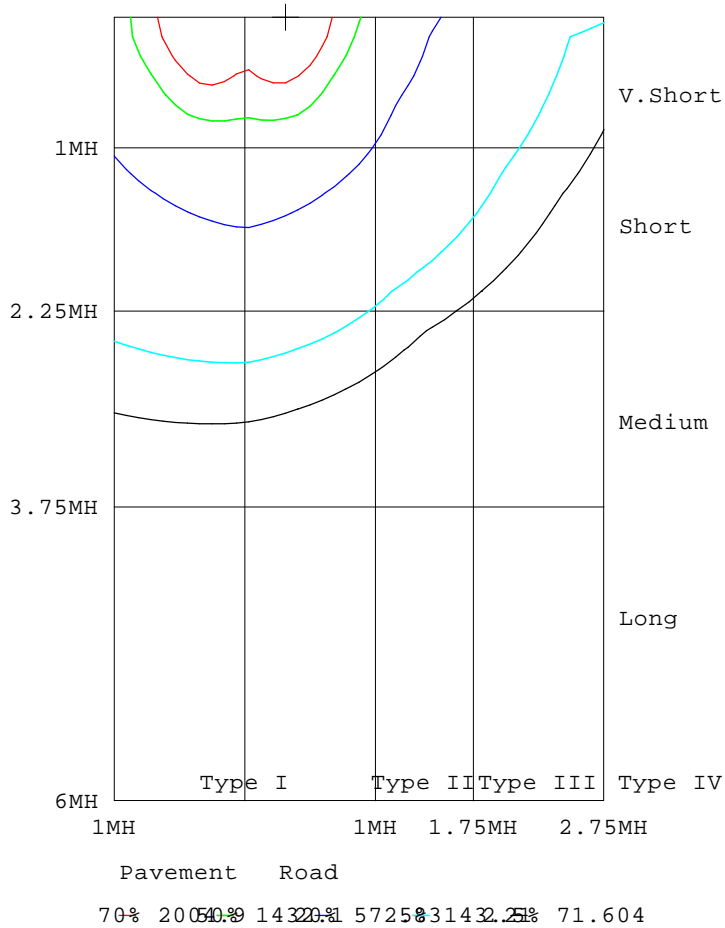
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-13

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.700m [K=1.1575]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=1.1575]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.17V I:0.3930A P:46.900W PF:0.9918 Freq:60.00Hz Lamp Flux:6223x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2436	2436	2436	2436	2436	2436	2436	2436	2436	2436	2436	2436						
5	2371	2413	2481	2512	2501	2465	2457	2456	2483	2494	2457	2401						
10	2275	2407	2577	2663	2642	2520	2469	2509	2626	2665	2567	2395						
15	2154	2372	2651	2800	2766	2607	2483	2596	2780	2834	2663	2374						
20	2018	2299	2627	2824	2858	2680	2457	2689	2903	2838	2673	2313						
25	1875	2204	2487	2705	2858	2690	2388	2732	2871	2640	2484	2228						
30	1706	2034	2174	2317	2736	2692	2306	2750	2678	2311	2149	2069						
35	1524	1770	1745	1899	2382	2642	2213	2713	2378	1907	1805	1803						
40	1318	1461	1365	1516	1988	2522	2105	2566	2010	1544	1425	1481						
45	1107	1156	1021	1144	1631	2340	1990	2345	1669	1206	1090	1174						
50	895	865	723	827	1278	2091	1853	2062	1329	885	798	887						
55	709	598	491	584	932	1791	1699	1756	1005	629	556	634						
60	495	380	311	401	660	1460	1523	1450	712	432	371	422						
65	287	210	172	219	436	1104	1325	1129	473	280	237	259						
70	123	74.4	75.9	111	260	780	1115	761	286	159	129	133						
75	22.7	11.1	6.95	37.5	122	473	894	459	144	67.1	50.2	39.6						
80	6.22	2.86	2.07	2.96	45.7	209	618	213	62.4	19.7	11.3	5.00						
85	4.58	1.42	0.85	1.00	6.75	38.6	320	33.9	18.7	5.44	3.15	1.49						
90	1.76	1.68	0.76	0.31	0.87	14.5	151	39.7	11.8	1.80	1.02	1.50						
95	2.55	1.96	0.86	0.65	1.79	12.8	129	39.9	6.49	0.71	0.91	1.81						
100	3.39	2.73	1.25	0.76	1.61	3.13	24.9	13.5	2.56	0.71	1.21	2.61						
105	4.27	3.45	1.87	2.13	2.76	1.88	3.51	3.48	6.21	2.06	2.33	3.03						
110	5.26	4.21	2.50	1.92	1.80	2.17	2.57	2.60	4.76	3.24	3.28	3.78						
115	6.14	5.44	3.32	2.36	2.22	2.61	3.14	2.72	2.47	3.60	3.30	4.99						
120	6.99	5.97	4.25	3.16	3.00	3.18	3.77	3.07	2.56	3.31	3.90	5.51						
125	7.72	6.72	5.40	4.13	3.86	3.91	4.55	3.74	3.31	3.69	4.92	6.28						
130	8.28	7.46	6.48	5.28	4.80	4.74	5.40	4.54	4.21	4.77	5.99	6.89						
135	8.82	7.99	7.50	6.35	5.76	5.56	6.26	5.43	5.15	5.82	7.00	7.45						
140	9.07	8.54	8.25	7.35	6.60	6.38	7.09	6.28	6.00	6.90	7.68	8.04						
145	9.32	8.90	8.58	8.02	7.19	6.84	7.99	6.69	6.69	7.58	8.03	8.39						
150	9.68	10.0	8.86	8.33	7.96	7.38	7.25	7.10	7.59	8.00	8.50	9.66						
155	9.88	9.45	9.32	8.72	8.61	8.03	7.98	7.72	8.30	8.48	9.10	9.32						
160	10.2	10.1	10.00	9.00	9.22	9.70	8.72	9.72	9.00	8.84	9.87	10.1						
165	10.3	10.5	9.81	9.41	9.14	10.4	10.9	10.6	9.07	9.30	10.4	10.8						
170	10.6	11.0	10.5	10.1	9.91	10.1	11.2	10.1	9.84	10.0	10.6	11.0						
175	12.9	12.5	11.9	10.8	10.8	10.9	10.6	10.7	10.6	10.7	11.8	12.4						
180	11.1	11.0	11.0	11.1	11.1	11.2	11.0	11.1	11.1	11.2	11.2	11.1						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.700m [K=1.1575]
 Remarks: