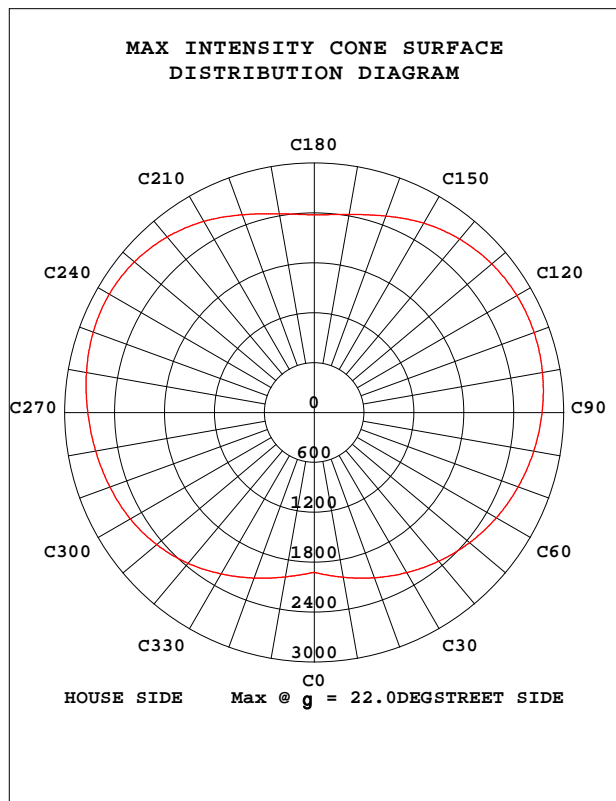
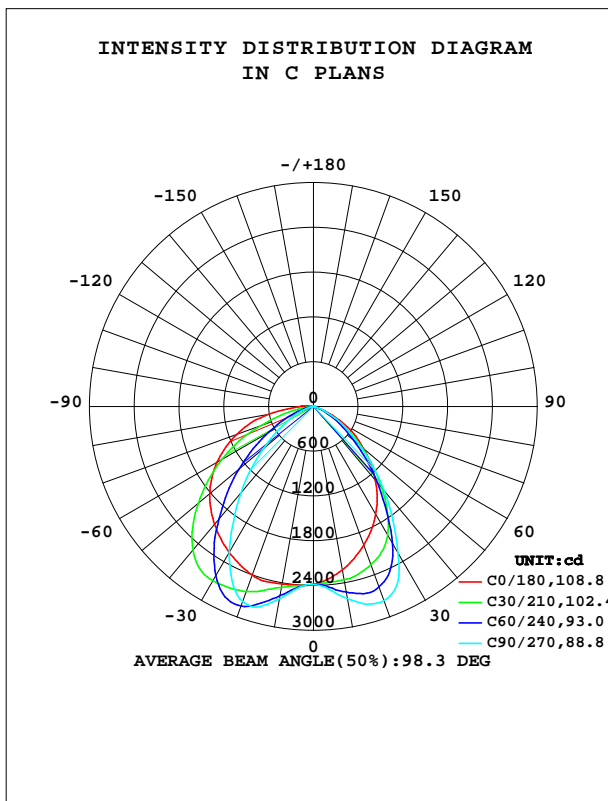


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 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: 120.89 lm/W			
MSDEELA-MV-50DAV-BK(5700K)		Imax(cd)	2848	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)	6093	h house_up(%)	0.5
NOMINAL FLUX(lm)	6092.8	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	13.504

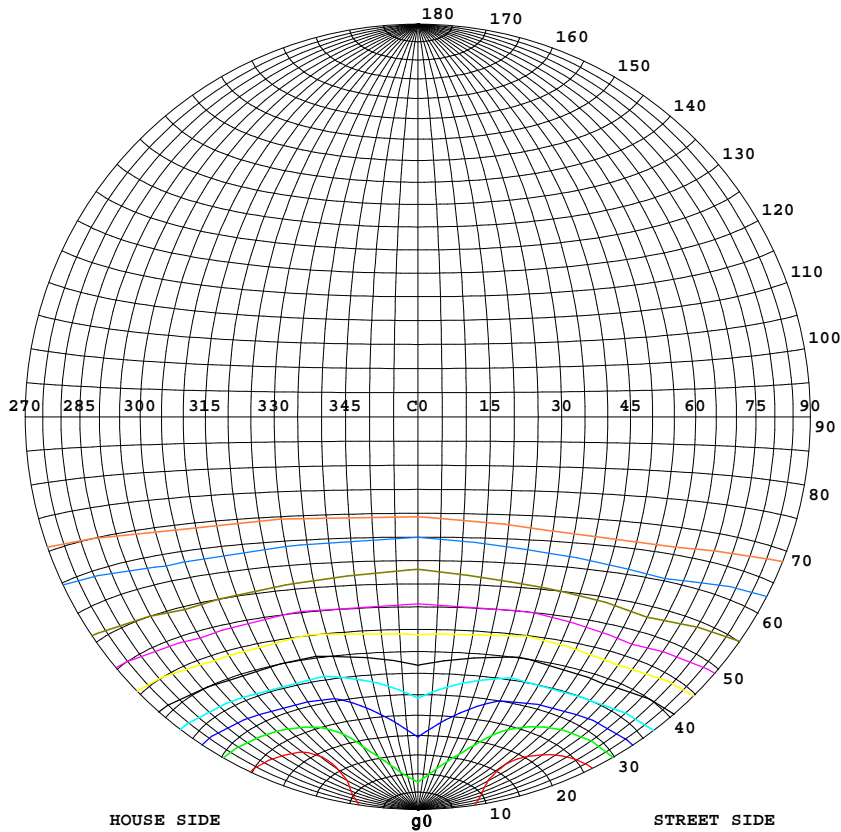


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

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=1.1379]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



Classification:

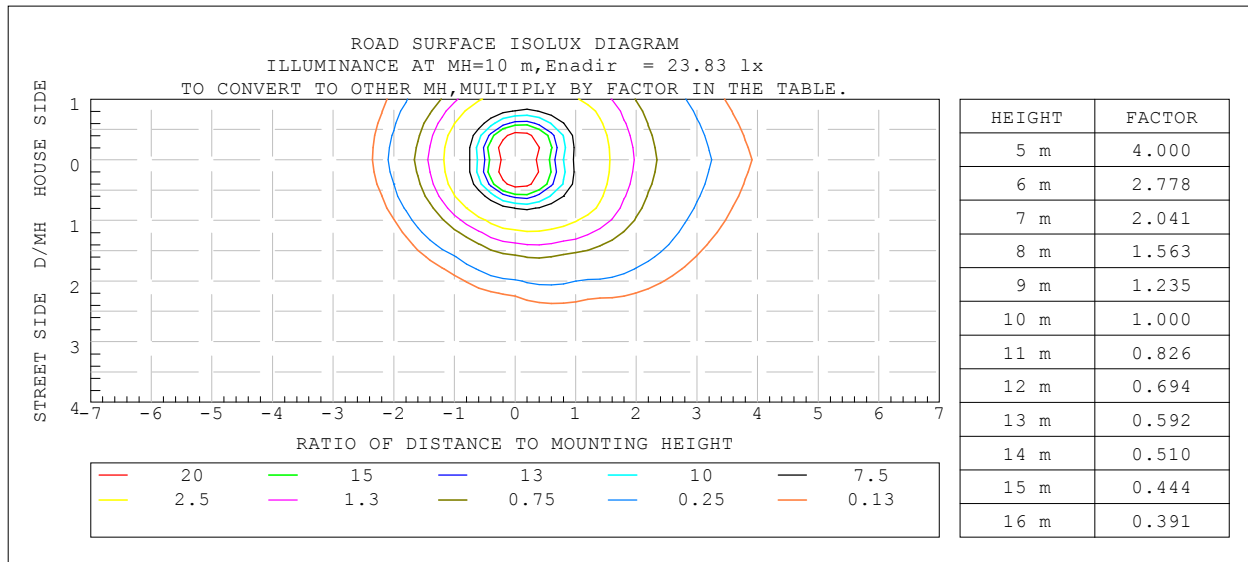
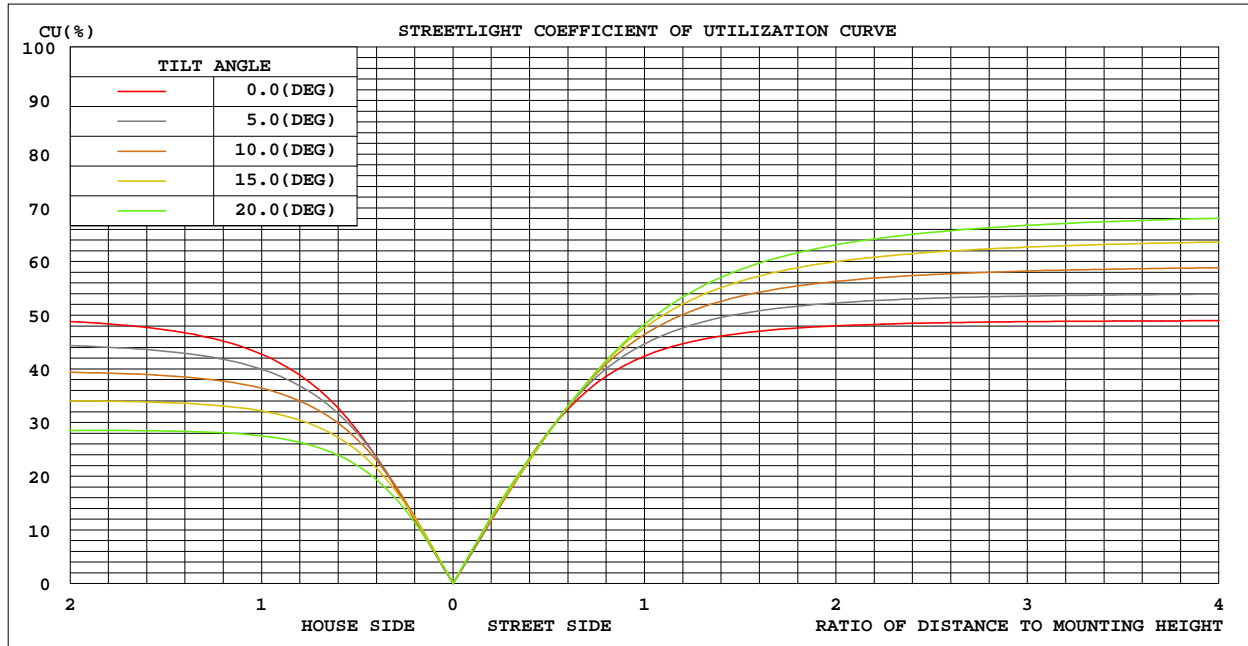
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:99.29cd/klm
 Max.At90:24.11cd/klm
 Max.80-90:99.29cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2848
90%	2563
80%	2278
70%	1994
60%	1709
50%	1424
40%	1139
30%	854
20%	570
10%	285
5%	142

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=1.1379]
 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=1.1379]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

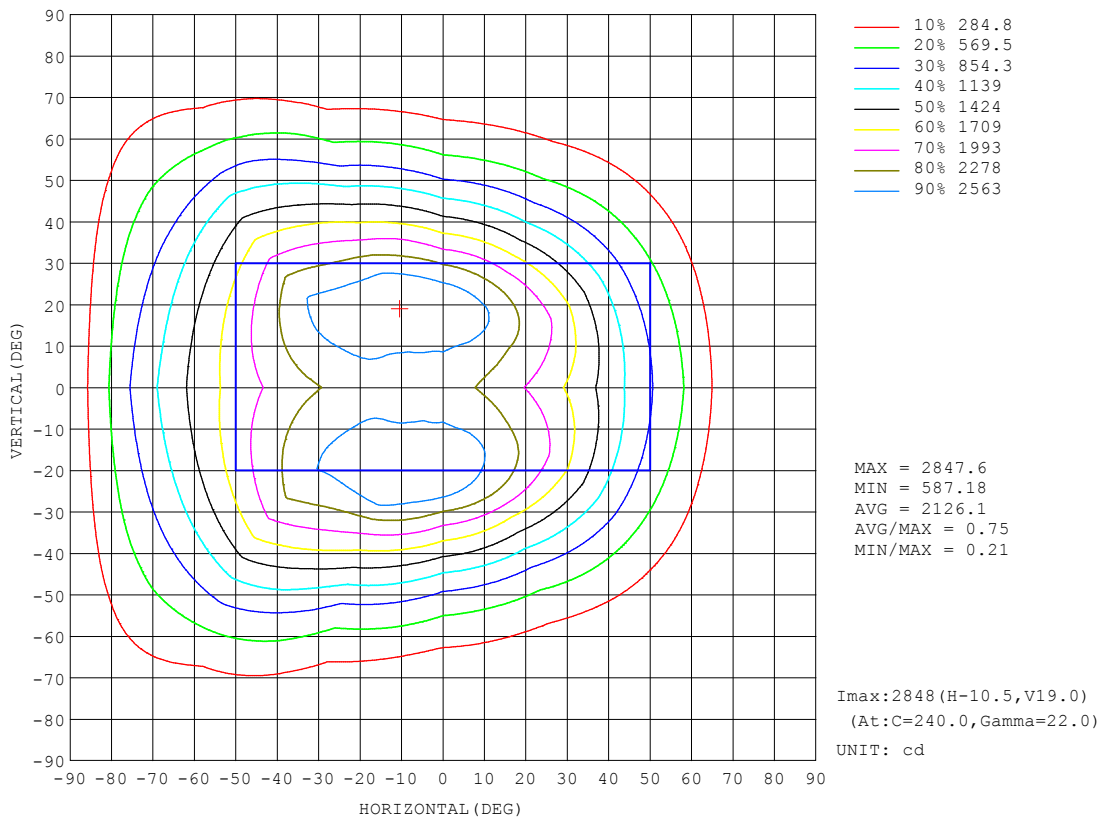
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	2227	2440	2612	2531	2416	2515	2613	2431	0- 10	232.1	232.1	3.81,3.81
20	1975	2412	2768	2711	2403	2740	2779	2442	10- 20	717.9	950.0	15.6,15.6
30	1670	2058	2268	2657	2258	2656	2259	2064	20- 30	1127	2077	34.1,34.1
40	1290	1384	1486	2206	2062	2240	1511	1422	30- 40	1260	3336	54.8,54.8
50	876.0	777.5	810.5	1649	1817	1658	868.3	825.4	40- 50	1123	4460	73.2,73.2
60	484.3	338.2	392.8	1037	1490	1059	423.8	388.6	50- 60	833.5	5293	86.9,86.9
70	120.8	73.43	109.1	509.0	1092	512.6	155.4	129.0	60- 70	498.9	5792	95.1,95.1
80	6.078	2.377	2.863	124.7	605.0	134.6	19.12	7.860	70- 80	208.6	6001	98.5,98.5
90	1.738	1.151	0.2839	7.477	146.9	25.08	1.686	1.209	80- 90	47.47	6048	99.3,99.3
100	3.324	1.881	0.7046	2.309	24.24	7.872	0.6283	1.843	90-100	16.35	6064	99.5,99.5
110	5.117	3.190	1.843	1.930	2.544	3.621	3.028	3.395	100-110	3.286	6068	99.6,99.6
120	6.760	4.909	3.052	3.035	3.698	2.705	3.197	4.579	110-120	3.422	6071	99.6,99.6
130	8.004	6.718	5.048	4.647	5.307	4.259	4.575	6.318	120-130	4.218	6075	99.7,99.7
140	8.802	8.099	7.084	6.299	6.990	5.953	6.721	7.634	130-140	4.919	6080	99.8,99.8
150	9.393	9.126	8.063	7.496	7.059	7.135	7.752	8.873	140-150	4.830	6085	99.9,99.9
160	9.901	9.792	8.898	9.231	8.502	9.124	8.573	9.756	150-160	3.953	6089	99.9,99.9
170	10.38	10.54	9.859	9.757	11.02	9.622	9.753	10.57	160-170	2.766	6092	100,100
180	10.84	10.74	10.75	10.93	10.93	10.82	10.90	10.99	170-180	1.022	6093	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=1.1379]
 Remarks:

ISOCANDELA DIAGRAM

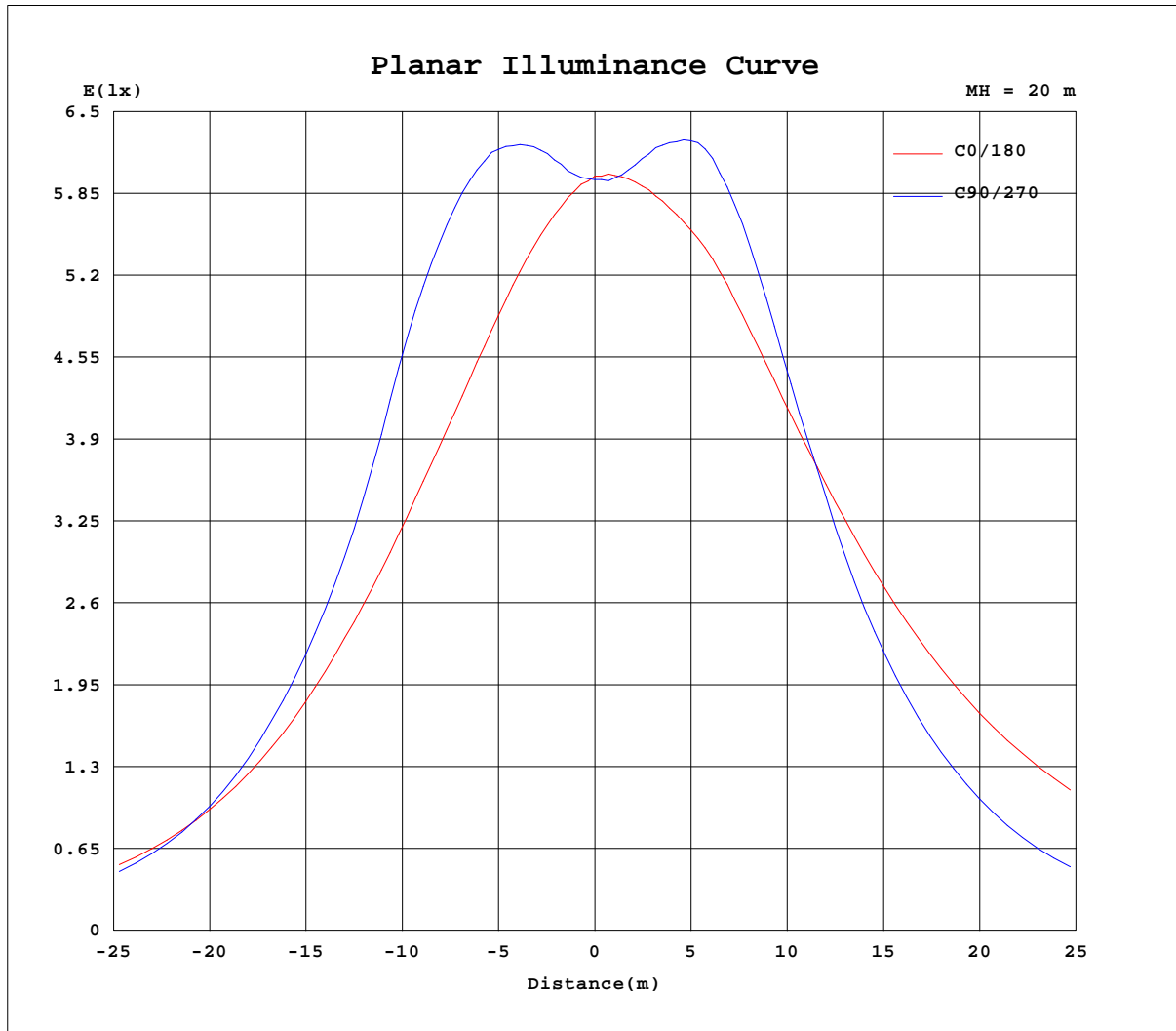
Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



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=1.1379]
 Remarks:

Planar Illuminance Curve



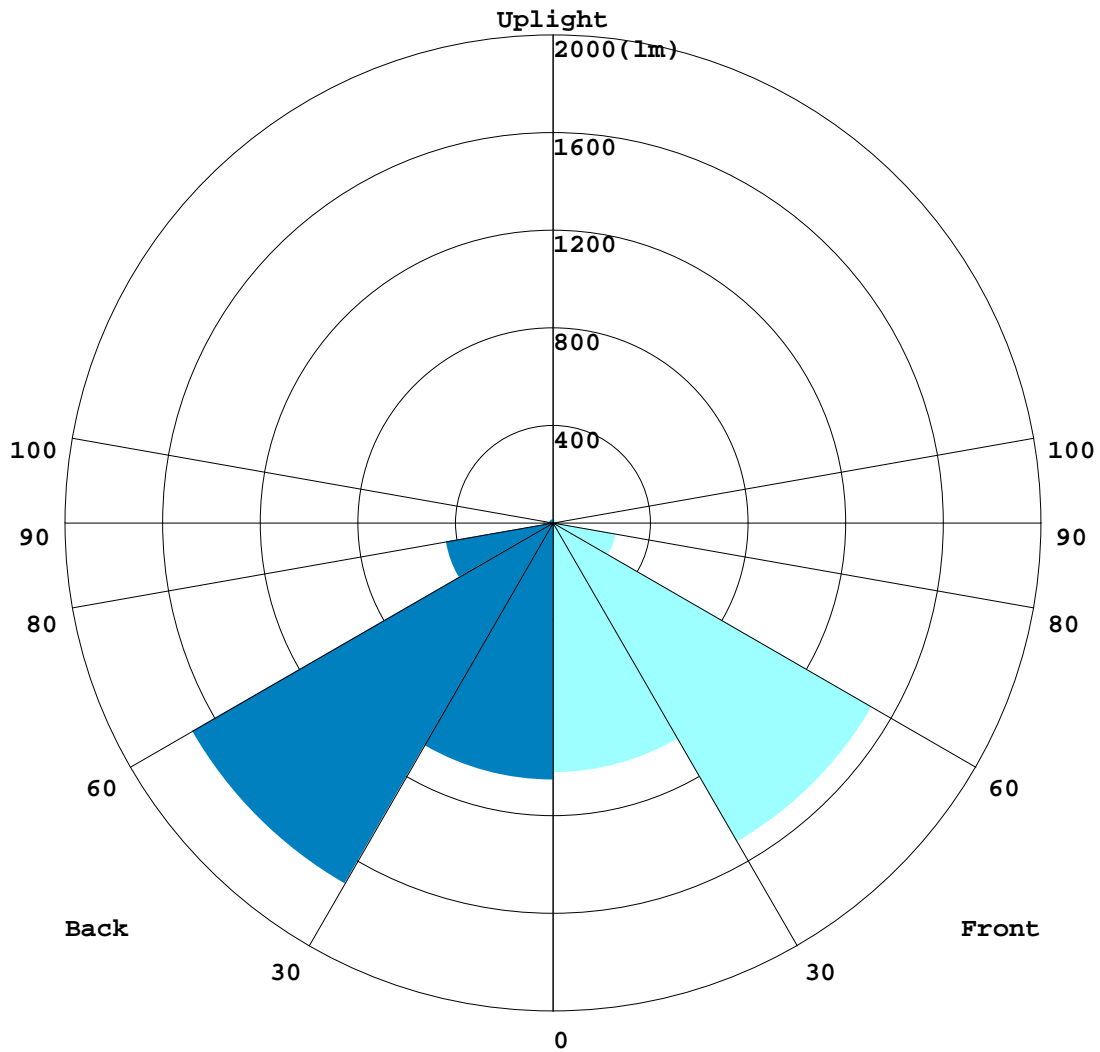
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-13

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=1.1379]
 Remarks:

LCS REPORT

Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 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=1.1379]
 Remarks:

BUG REPORT

Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 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)	1023.1	16.8
FM - Front-Medium(30-60)	1509.3	24.8
FH - Front-High(60-80)	261.75	4.3
FVH - Front-Very High(80-90)	7.5116	0.1
Total Forward Light	2817.9	46.2

BL - Back-Low(0-30)	1053.6	17.3
BM - Back-Medium(30-60)	1707.1	28.0
BH - Back-High(60-80)	445.75	7.3
BVH - Back-Very High(80-90)	39.954	0.7
Total Back Light	3274.9	53.8

UL - Uplight-Low(90-100)	16.354	0.3
UH - Uplight-High(100-180)	28.415	0.5
Total Up Light	44.77	0.7

BUG(Back,Up,Glare) Rating	B3-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3246.4	28.531	3274.9
Street Side	2801.7	16.238	2817.9

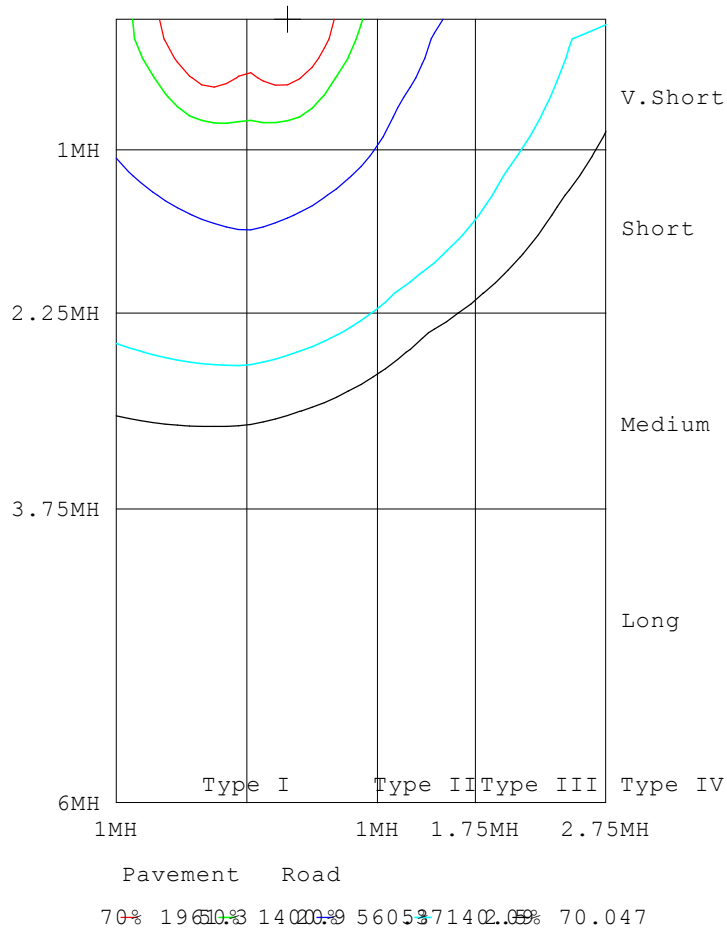
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-13

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=1.1379]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 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=1.1379]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.15V I:0.4220A P:50.400W PF:0.9920 Freq:60.00Hz Lamp Flux:6092.8x1 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	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386						
5	2317	2365	2431	2463	2451	2415	2405	2410	2433	2445	2408	2355						
10	2227	2357	2524	2612	2591	2471	2416	2459	2571	2613	2515	2348						
15	2108	2326	2596	2743	2710	2558	2430	2549	2727	2777	2609	2323						
20	1975	2255	2570	2768	2798	2624	2403	2638	2843	2779	2615	2269						
25	1835	2155	2431	2646	2800	2637	2338	2677	2809	2581	2429	2182						
30	1670	1992	2124	2268	2677	2636	2258	2695	2617	2259	2101	2026						
35	1492	1730	1705	1859	2330	2587	2165	2657	2323	1866	1766	1763						
40	1290	1431	1336	1486	1944	2468	2062	2511	1968	1511	1396	1448						
45	1084	1128	1000	1119	1596	2293	1943	2290	1632	1183	1068	1149						
50	876	848	707	811	1250	2048	1817	2014	1302	868	783	868						
55	694	586	480	573	914	1754	1662	1716	985	618	545	621						
60	484	372	304	393	646	1429	1490	1418	700	424	364	413						
65	281	205	168	215	427	1082	1298	1104	464	275	232	254						
70	121	72.8	74.1	109	254	764	1092	744	281	155	127	131						
75	22.4	10.8	6.63	36.8	119	463	876	449	141	65.8	48.9	39.7						
80	6.08	2.78	1.98	2.86	44.5	205	605	208	61.2	19.1	10.7	4.97						
85	4.49	1.38	0.79	0.96	6.50	38.2	314	33.0	18.1	5.21	2.98	1.49						
90	1.74	1.60	0.70	0.28	0.80	14.2	147	38.8	11.4	1.69	0.92	1.50						
95	2.54	1.85	0.79	0.62	1.68	12.5	126	39.0	6.32	0.62	0.81	1.82						
100	3.32	2.60	1.16	0.70	1.53	3.08	24.2	13.2	2.51	0.63	1.13	2.56						
105	4.14	3.31	1.76	2.06	2.67	1.87	3.46	3.33	5.91	1.88	2.10	2.98						
110	5.12	4.02	2.36	1.84	1.71	2.15	2.54	2.49	4.76	3.03	3.10	3.69						
115	5.94	5.29	3.17	2.27	2.14	2.57	3.09	2.59	2.47	3.47	3.25	4.87						
120	6.76	5.78	4.04	3.05	2.93	3.14	3.70	2.91	2.50	3.20	3.76	5.40						
125	7.42	6.49	5.17	3.97	3.79	3.84	4.47	3.58	3.28	3.53	4.78	6.13						
130	8.00	7.18	6.25	5.05	4.69	4.60	5.31	4.36	4.16	4.57	5.85	6.78						
135	8.51	7.71	7.22	6.05	5.59	5.41	6.14	5.22	5.06	5.64	6.82	7.25						
140	8.80	8.26	7.94	7.08	6.35	6.25	6.99	6.06	5.85	6.72	7.43	7.84						
145	9.10	8.57	8.29	7.77	6.92	6.72	7.84	6.55	6.54	7.36	7.81	8.23						
150	9.39	9.73	8.52	8.06	7.73	7.26	7.06	6.87	7.41	7.75	8.30	9.45						
155	9.64	9.20	8.97	8.53	8.37	7.84	7.82	7.54	8.09	8.25	8.85	9.18						
160	9.90	9.95	9.63	8.90	9.05	9.42	8.50	9.43	8.82	8.57	9.56	9.95						
165	10.1	10.4	9.49	9.29	8.98	10.1	10.7	10.3	8.81	9.06	10.1	10.6						
170	10.4	10.9	10.2	9.86	9.76	9.76	11.0	9.70	9.54	9.75	10.3	10.8						
175	12.7	12.3	11.6	10.5	10.6	10.5	10.5	10.5	10.4	10.4	11.4	12.3						
180	10.8	10.8	10.7	10.8	11.0	10.9	10.9	10.8	10.9	10.9	11.1	10.9						

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=1.1379]
 Remarks: