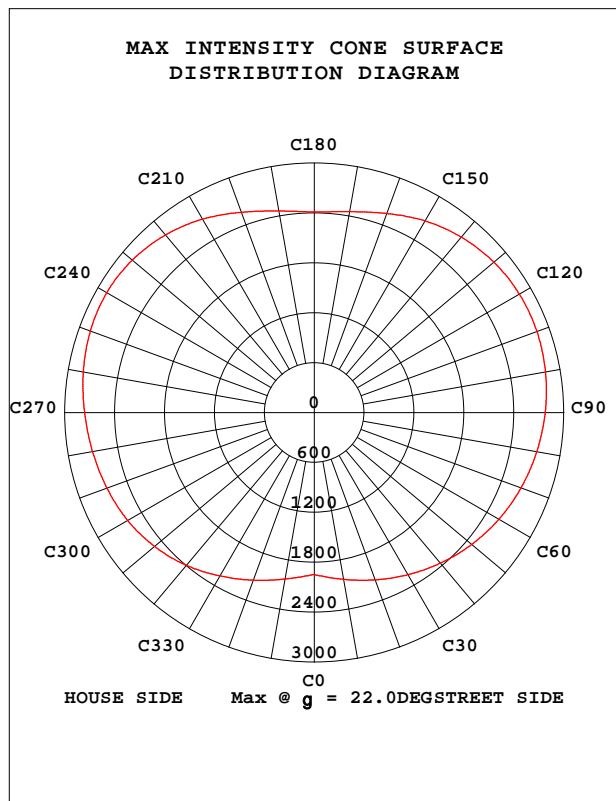
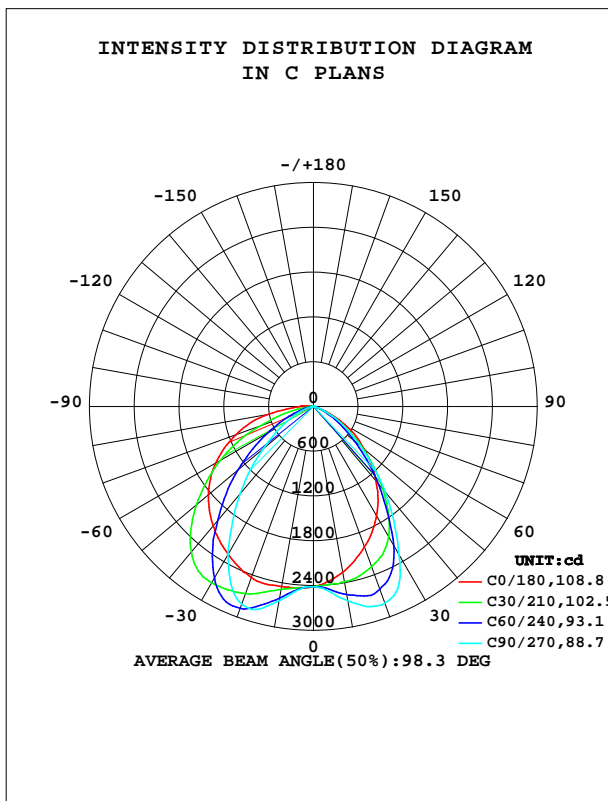


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 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: 126.94 lm/W			
MSDEELA-MV-50DAV-BK(5000K)		Imax(cd)	2884	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)	6174	h house_up(%)	0.5
NOMINAL FLUX(lm)	6173.98	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	13.513

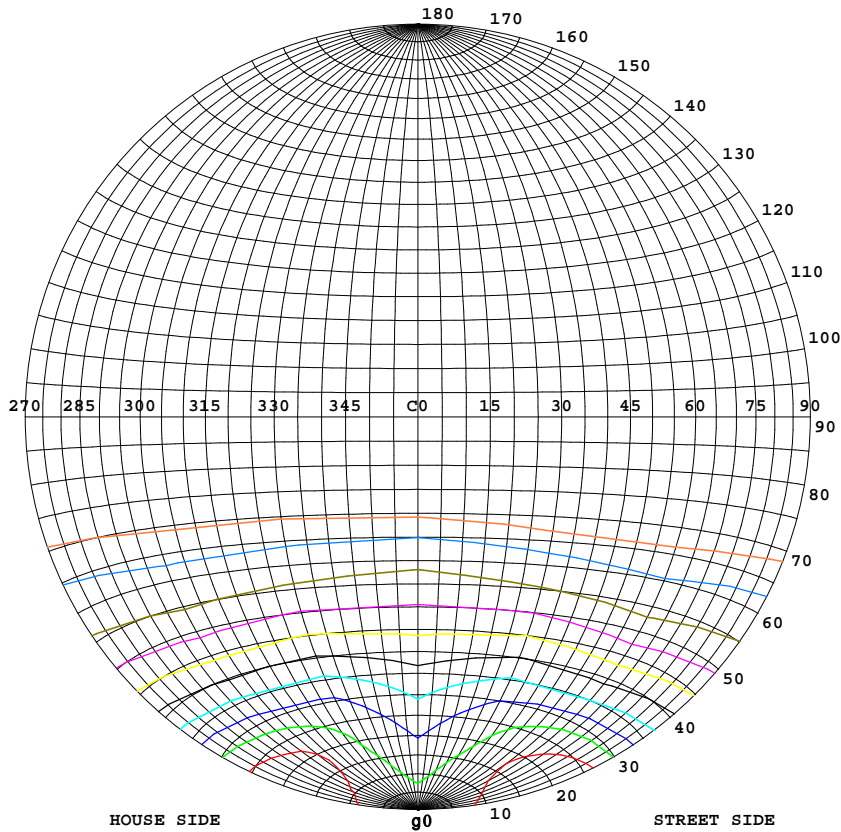


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-13

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=1.1540]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



Classification:

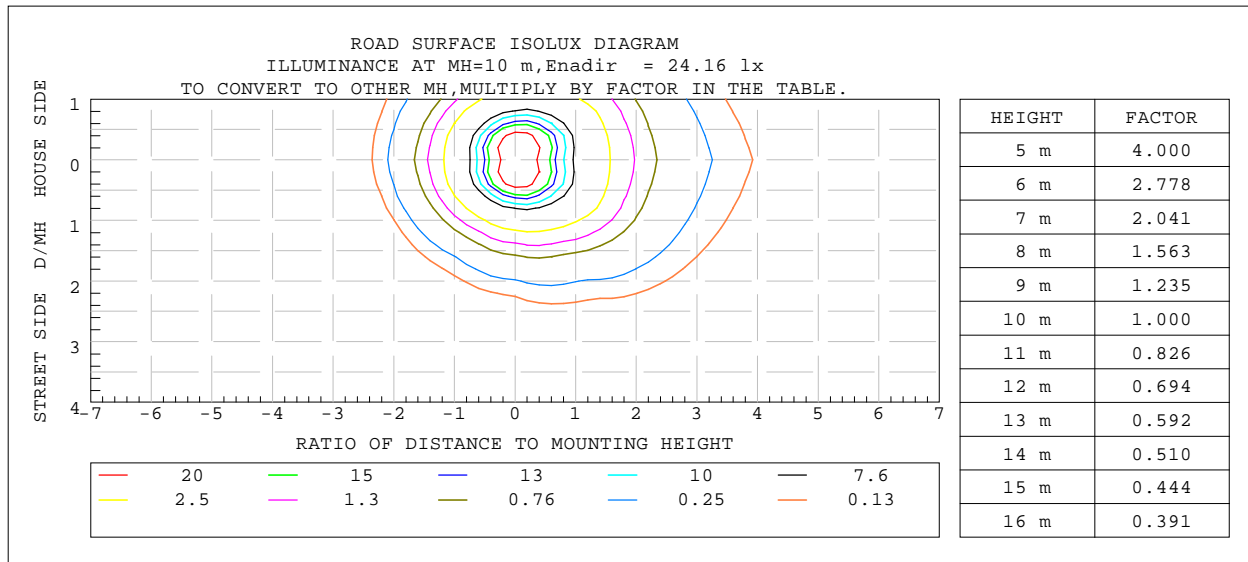
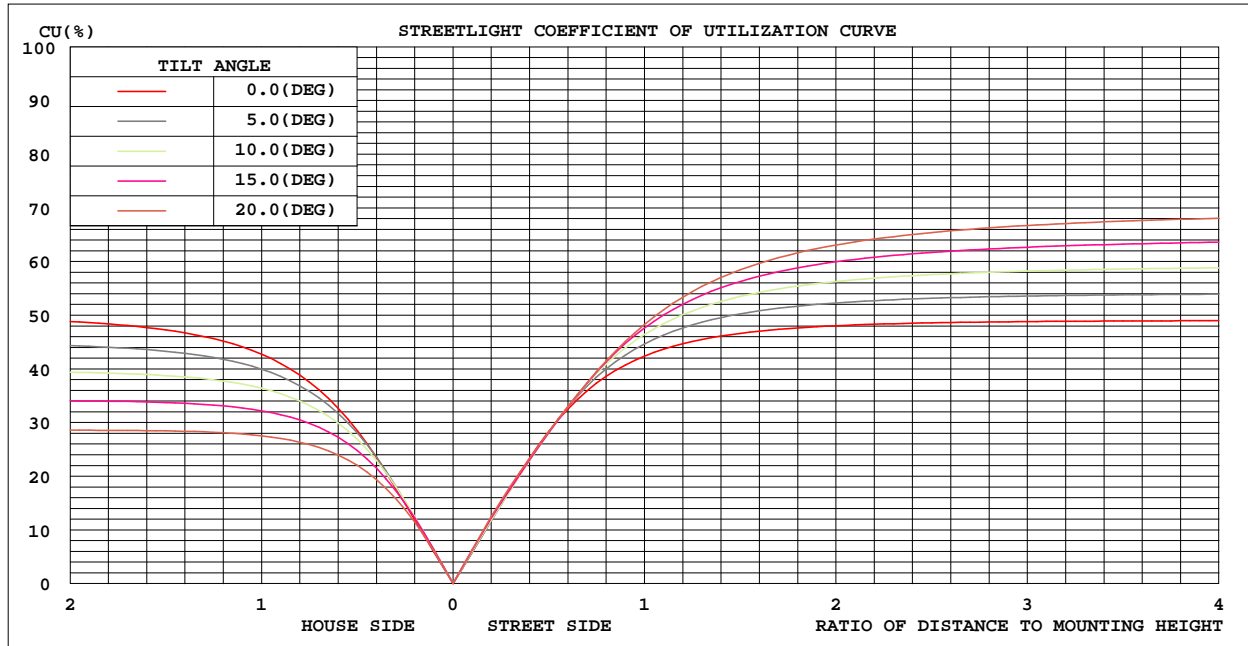
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:99.32cd/klm
 Max.At90:24.25cd/klm
 Max.80-90:99.32cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2884
90%	2595
80%	2307
70%	2018
60%	1730
50%	1442
40%	1153
30%	865
20%	577
10%	288
5%	144

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=1.1540]
 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=1.1540]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

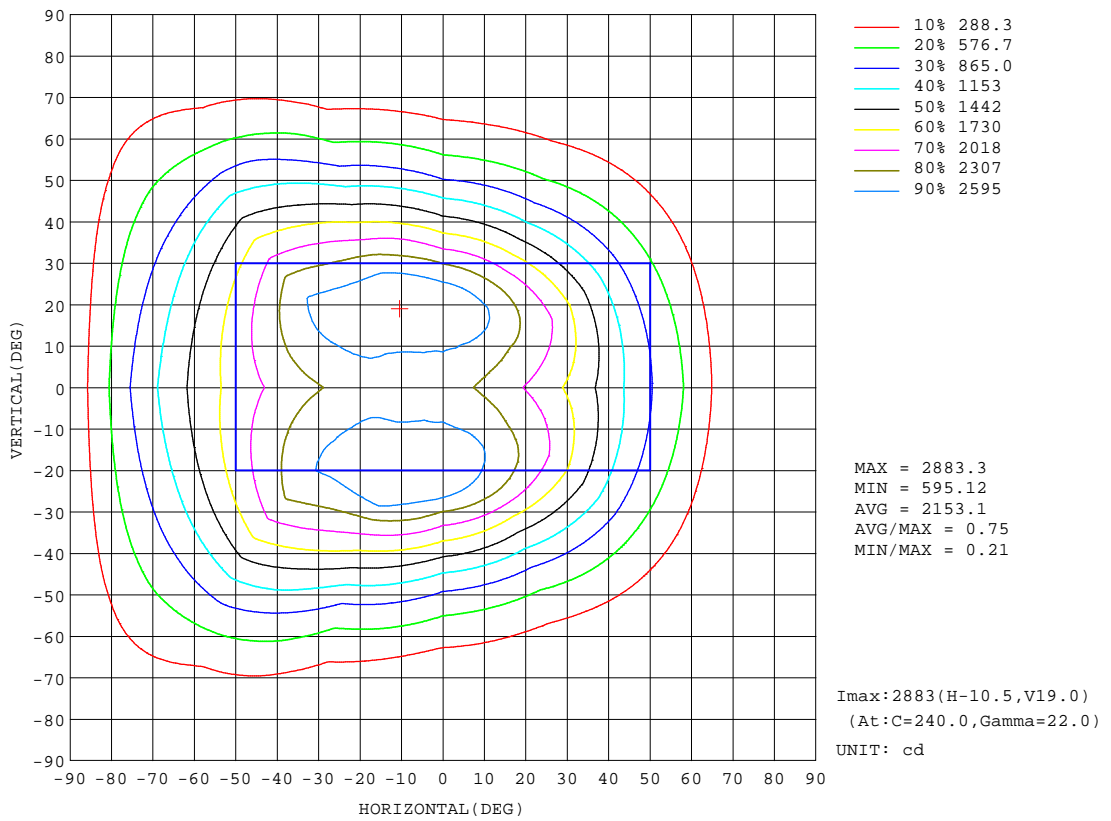
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	2255	2471	2640	2560	2446	2546	2644	2470	0- 10	235.1	235.1	3.81,3.81
20	1999	2444	2802	2746	2437	2772	2819	2475	10- 20	726.9	962.0	15.6,15.6
30	1692	2088	2296	2693	2288	2692	2294	2095	20- 30	1142	2104	34.1,34.1
40	1306	1402	1504	2238	2091	2270	1530	1444	30- 40	1277	3381	54.8,54.8
50	886.2	786.7	819.8	1672	1841	1681	876.5	836.1	40- 50	1138	4520	73.2,73.2
60	489.9	342.1	398.8	1053	1511	1072	428.5	393.7	50- 60	844.3	5364	86.9,86.9
70	121.8	74.52	110.5	515.9	1108	519.1	157.2	130.9	60- 70	505.4	5869	95.1,95.1
80	6.117	2.461	2.997	126.4	613.2	136.6	19.54	7.716	70- 80	211.1	6080	98.5,98.5
90	1.725	1.213	0.3907	7.690	149.7	25.57	1.824	1.280	80- 90	48.11	6129	99.3,99.3
100	3.356	1.996	0.7946	2.373	24.87	7.985	0.7446	1.923	90-100	16.66	6145	99.5,99.5
110	5.209	3.354	1.943	1.980	2.536	3.702	3.210	3.336	100-110	3.376	6149	99.6,99.6
120	6.899	5.080	3.191	3.083	3.693	2.815	3.311	4.664	110-120	3.510	6152	99.6,99.6
130	8.185	6.881	5.184	4.701	5.306	4.368	4.790	6.405	120-130	4.317	6156	99.7,99.7
140	9.023	8.257	7.211	6.404	7.045	6.144	6.853	7.767	130-140	5.020	6161	99.8,99.8
150	9.598	9.341	8.288	7.593	7.095	7.265	7.961	9.045	140-150	4.924	6166	99.9,99.9
160	9.989	10.02	9.032	9.403	8.593	9.336	8.811	9.906	150-160	4.027	6170	99.9,99.9
170	10.45	10.77	10.00	9.878	11.10	9.880	9.974	10.77	160-170	2.816	6173	100,100
180	11.00	10.97	11.00	11.06	10.98	10.94	11.06	11.11	170-180	1.039	6174	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=1.1540]
 Remarks:

ISOCANDELA DIAGRAM

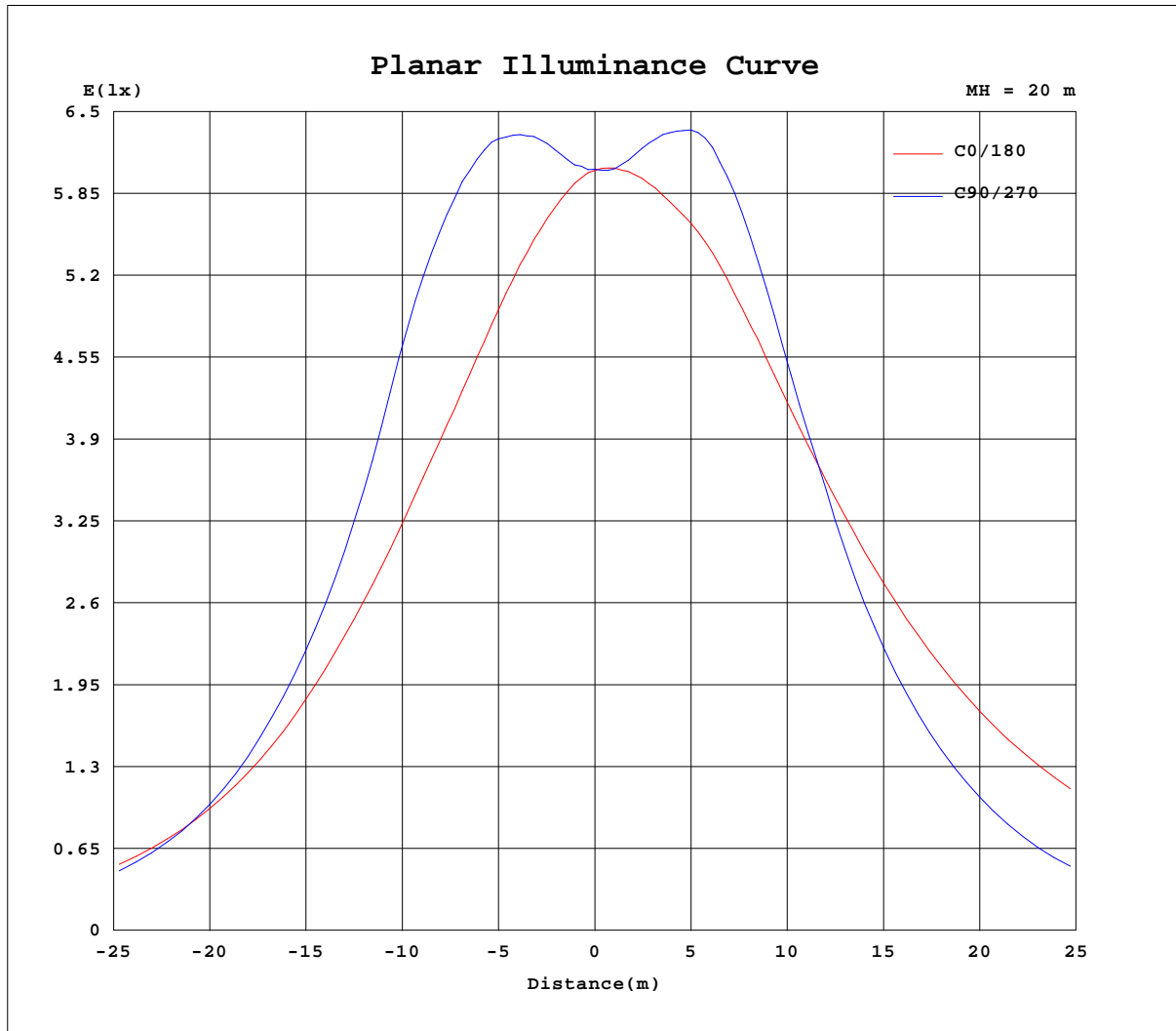
Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



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=1.1540]
 Remarks:

Planar Illuminance Curve



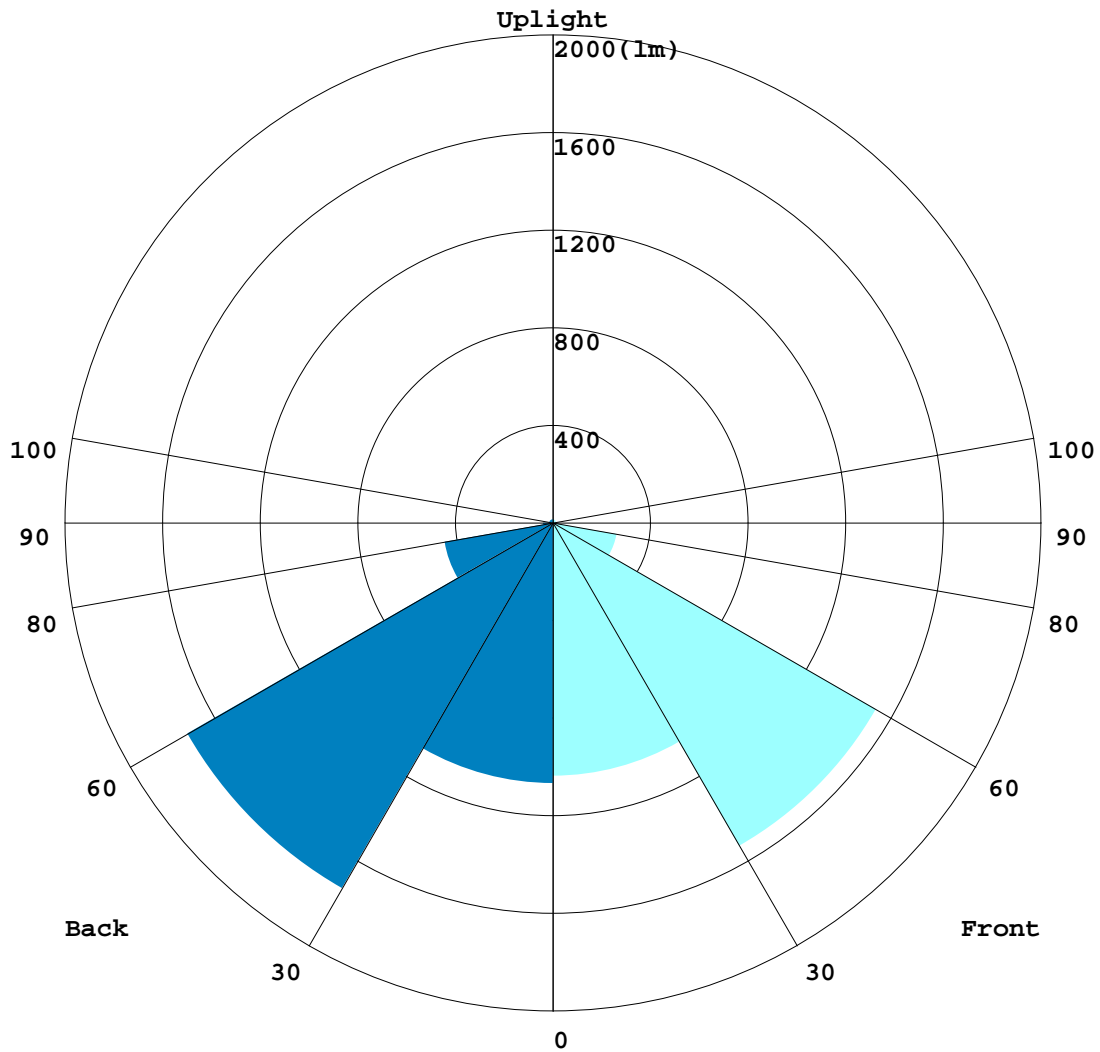
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-13

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=1.1540]
 Remarks:

LCS REPORT

Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 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=1.1540]
 Remarks:

BUG REPORT

Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 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)	1036.8	16.8
FM - Front-Medium(30-60)	1530.2	24.8
FH - Front-High(60-80)	265.59	4.3
FVH - Front-Very High(80-90)	7.6434	0.1
Total Forward Light	2856.8	46.3

BL - Back-Low(0-30)	1067.5	17.3
BM - Back-Medium(30-60)	1729.5	28.0
BH - Back-High(60-80)	450.91	7.3
BVH - Back-Very High(80-90)	40.463	0.7
Total Back Light	3317.4	53.7

UL - Uplight-Low(90-100)	16.658	0.3
UH - Uplight-High(100-180)	29.029	0.5
Total Up Light	45.687	0.7

BUG(Back,Up,Glare) Rating	B3-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3288.3	29.062	3317.4
Street Side	2840.2	16.626	2856.8

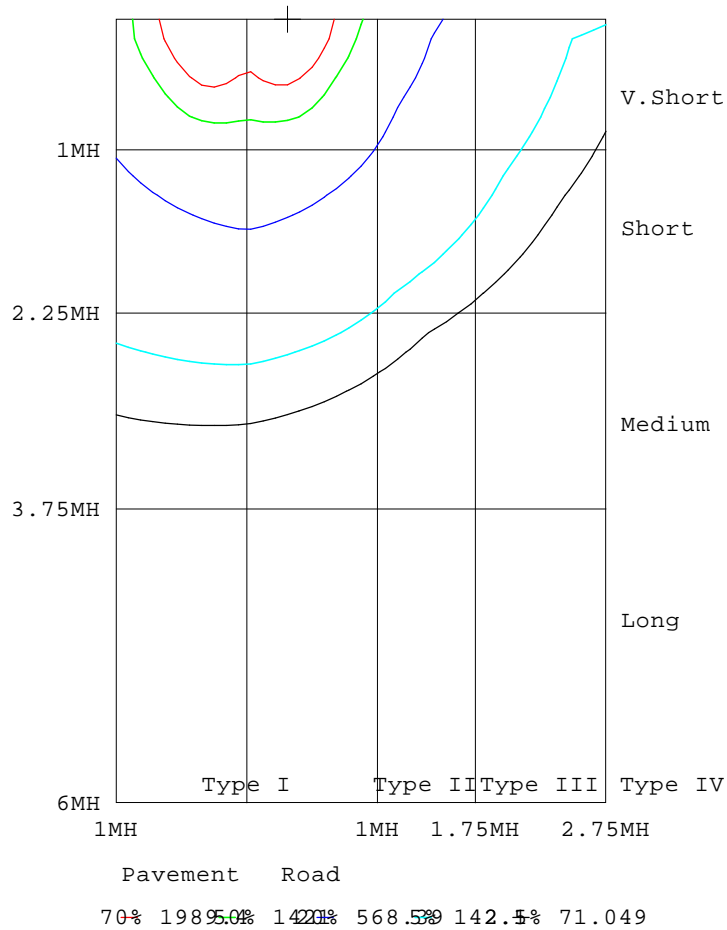
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-09-13

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=1.1540]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 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=1.1540]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.4080A P:48.640W PF:0.9920 Freq:60.00Hz Lamp Flux:6173.98x1 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	2416	2416	2416	2416	2416	2416	2416	2416	2416	2416	2416	2416						
5	2352	2394	2460	2491	2485	2446	2440	2438	2461	2472	2440	2383						
10	2255	2387	2555	2640	2621	2499	2446	2489	2603	2644	2563	2378						
15	2137	2355	2627	2776	2747	2591	2464	2577	2759	2810	2644	2353						
20	1999	2283	2606	2802	2835	2657	2437	2667	2876	2819	2653	2297						
25	1859	2193	2464	2683	2838	2671	2372	2711	2850	2620	2463	2210						
30	1692	2018	2157	2296	2717	2669	2288	2728	2656	2294	2136	2055						
35	1511	1756	1728	1884	2365	2624	2193	2692	2361	1892	1792	1788						
40	1306	1449	1355	1504	1975	2500	2091	2545	1995	1530	1417	1470						
45	1098	1147	1013	1133	1617	2323	1970	2323	1654	1198	1083	1165						
50	886	858	716	820	1268	2077	1841	2044	1318	877	793	880						
55	703	594	486	580	926	1778	1685	1743	996	624	552	629						
60	490	376	308	399	655	1451	1511	1438	707	428	369	418						
65	284	208	171	217	433	1096	1315	1119	469	278	236	257						
70	122	74.0	75.1	111	257	775	1108	754	284	157	129	133						
75	22.3	11.0	6.72	37.3	121	470	889	456	143	66.6	49.3	39.7						
80	6.12	2.88	2.04	3.00	45.2	208	613	211	62.1	19.5	10.4	5.05						
85	4.52	1.45	0.84	1.06	6.59	38.5	319	33.6	18.5	5.44	2.99	1.56						
90	1.72	1.67	0.75	0.39	0.85	14.5	150	39.5	11.7	1.82	0.99	1.57						
95	2.52	1.97	0.86	0.70	1.76	12.8	129	39.6	6.50	0.73	0.85	1.89						
100	3.36	2.76	1.23	0.79	1.58	3.17	24.9	13.4	2.61	0.74	1.20	2.65						
105	4.22	3.48	1.86	2.17	2.70	1.93	3.46	3.49	6.14	2.06	1.97	3.07						
110	5.21	4.24	2.47	1.94	1.76	2.20	2.54	2.62	4.78	3.21	2.88	3.79						
115	6.04	5.46	3.29	2.37	2.18	2.63	3.08	2.74	2.49	3.58	3.43	5.00						
120	6.90	5.94	4.22	3.19	2.96	3.20	3.69	3.07	2.56	3.31	3.83	5.49						
125	7.62	6.67	5.35	4.13	3.77	3.90	4.46	3.74	3.33	3.71	4.88	6.26						
130	8.19	7.37	6.39	5.18	4.72	4.68	5.31	4.52	4.21	4.79	5.91	6.90						
135	8.72	7.87	7.36	6.20	5.68	5.56	6.16	5.39	5.13	5.83	6.90	7.45						
140	9.02	8.43	8.08	7.21	6.44	6.37	7.05	6.27	6.02	6.85	7.54	7.99						
145	9.27	8.84	8.46	7.95	7.06	6.84	7.88	6.70	6.66	7.53	7.93	8.35						
150	9.60	9.98	8.71	8.29	7.85	7.33	7.09	7.06	7.47	7.96	8.43	9.66						
155	9.78	9.45	9.22	8.70	8.54	7.94	7.85	7.74	8.28	8.43	9.01	9.31						
160	9.99	10.1	9.90	9.03	9.19	9.61	8.59	9.64	9.03	8.81	9.70	10.1						
165	10.3	10.6	9.71	9.40	9.12	10.4	10.8	10.5	9.01	9.32	10.2	10.7						
170	10.5	11.0	10.5	10.0	9.82	9.94	11.1	9.95	9.81	9.97	10.5	11.0						
175	12.8	12.5	11.9	10.7	10.8	10.8	10.5	10.7	10.5	10.6	11.6	12.4						
180	11.0	11.0	11.0	11.0	11.0	11.1	11.0	10.9	11.0	11.1	11.1	11.2						

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=1.1540]
 Remarks: