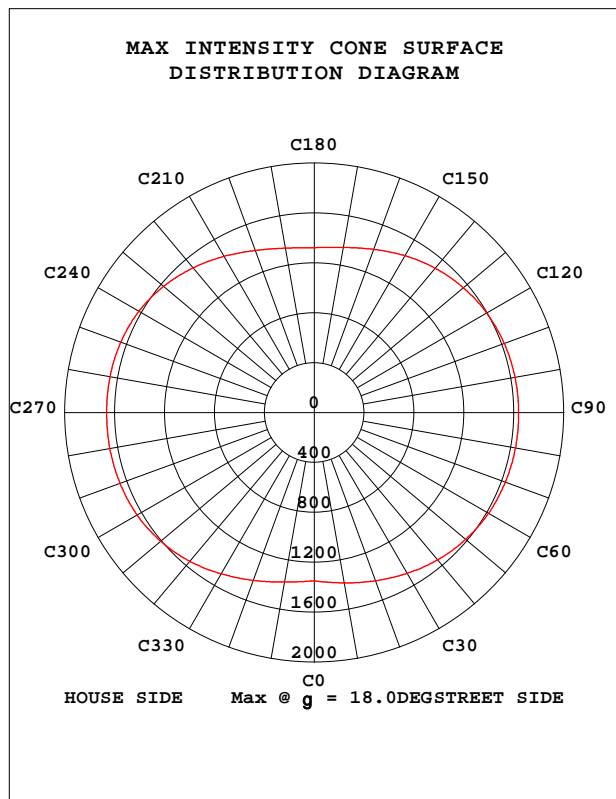
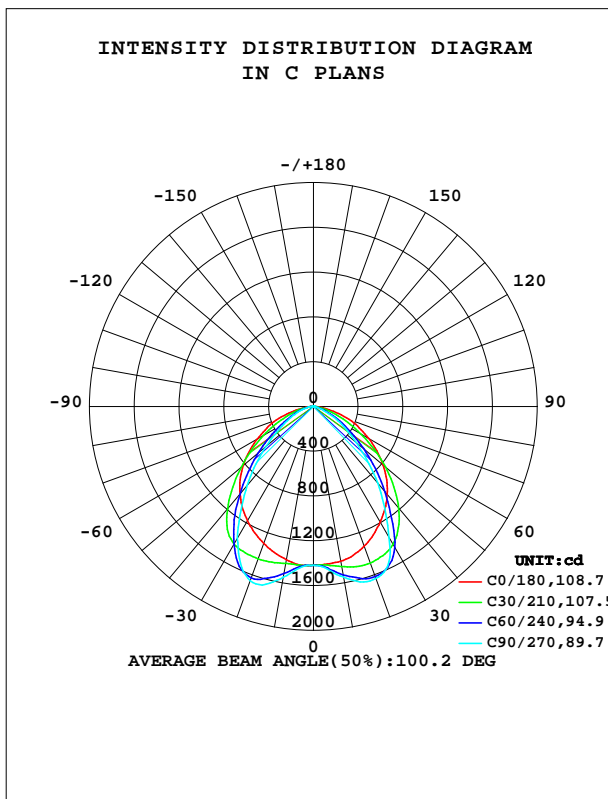


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 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: 121.03 lm/W			
MSDEELA-MV-30DAV-BK(5700K)		Imax(cd)	1665	h street_up(%)	0.2
NOMINAL POWER(W)	30	LOR(%)	100.0	h street_down(%)	48.8
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	3646	h house_up(%)	0.2
NOMINAL FLUX(lm)	3645.4	MAXIMUM @(C,g )	270,18.0	h house_down(%)	50.8
LAMPS INSIDE	1	h up(%)	0.5	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120.0	h down(%)	99.6	SLI	18.021

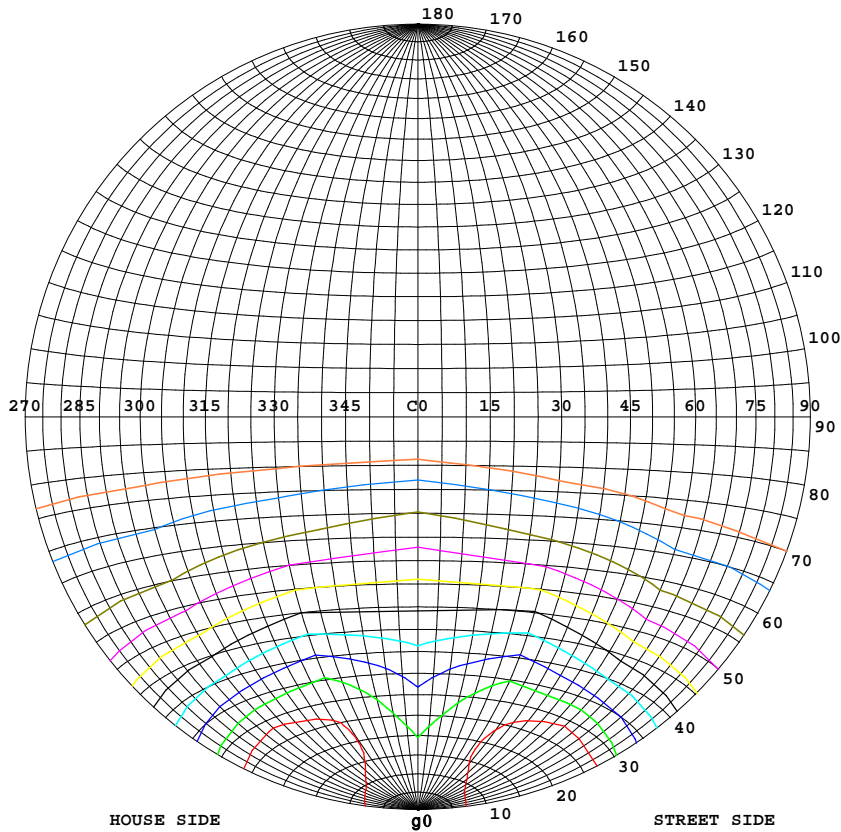


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

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=0.9862]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



**Classification:**

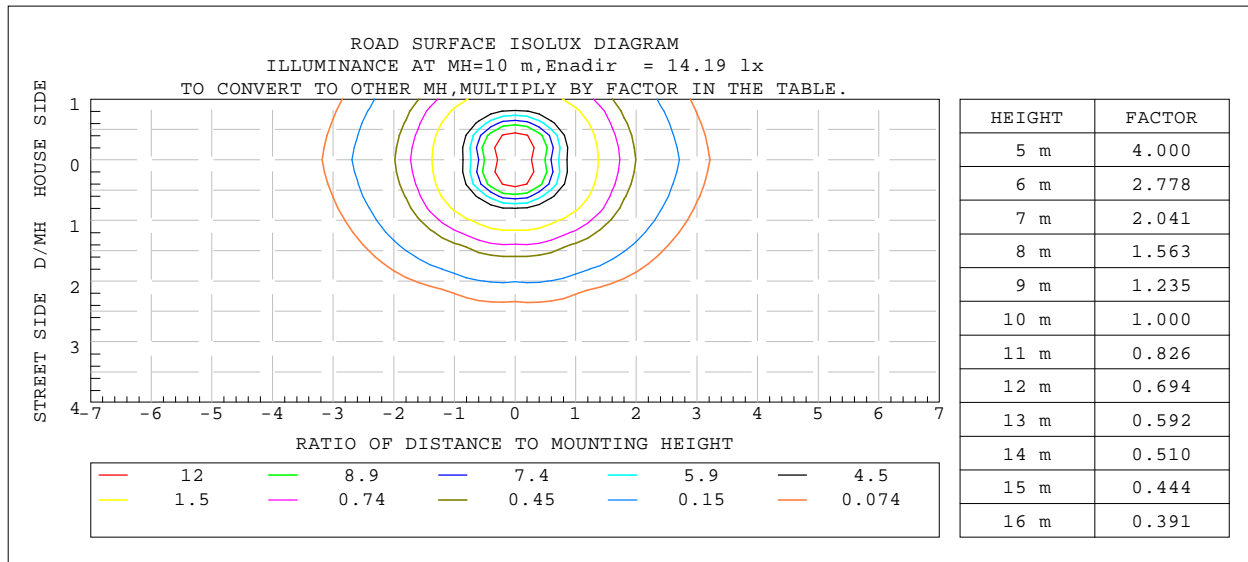
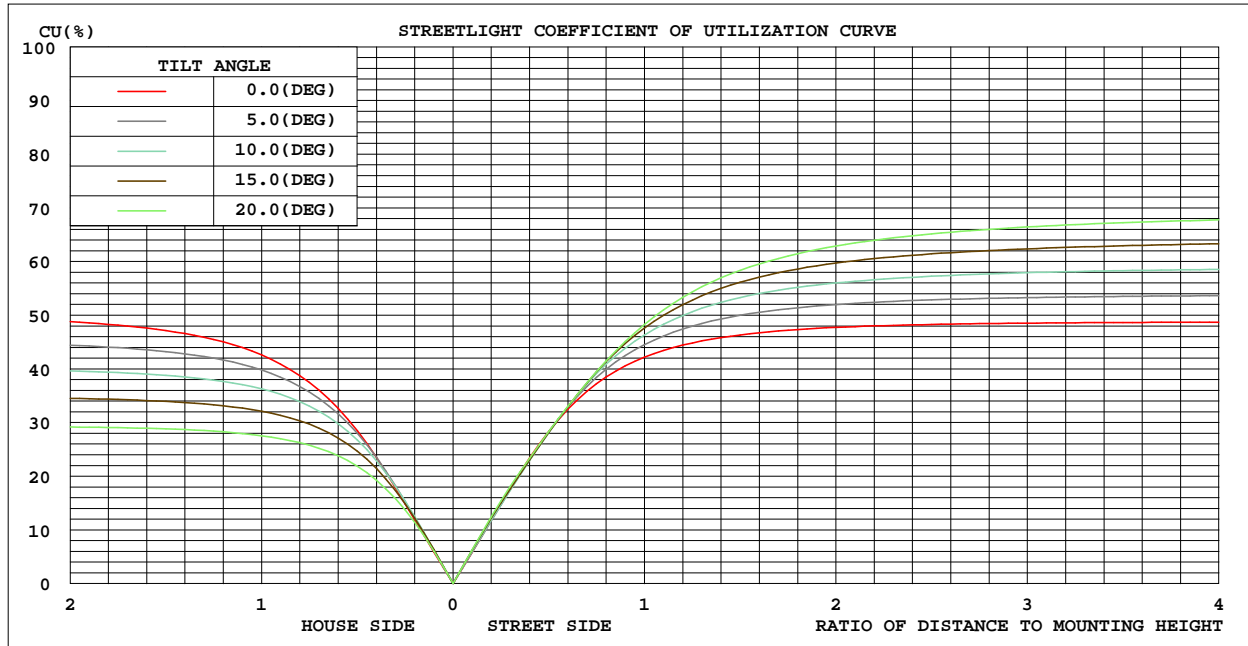
IES:Type I - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:32.39cd/klm  
 Max.At90:1.713cd/klm  
 Max.80-90:32.39cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1665
90%	1498
80%	1332
70%	1165
60%	999
50%	832
40%	666
30%	499
20%	333
10%	166
5%	83

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

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=0.9862]  
 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: 2022-09-12

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=0.9862]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:

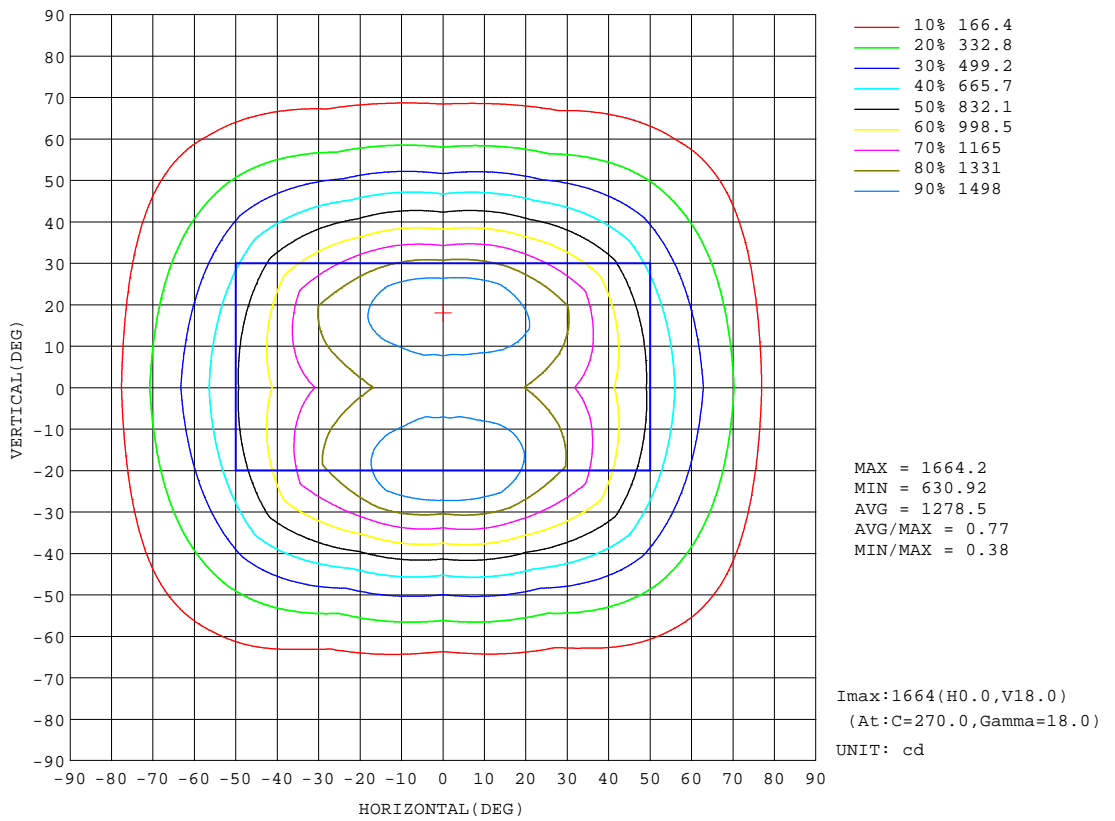
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1404	1490	1546	1482	1391	1469	1549	1479	0- 10	138.3	138.3	3.79,3.79
20	1328	1552	1636	1524	1302	1539	1656	1571	10- 20	429.1	567.4	15.6,15.6
30	1194	1437	1353	1421	1180	1420	1361	1441	20- 30	678.2	1246	34.2,34.2
40	1025	1089	893.5	1084	1022	1108	920.7	1107	30- 40	763.1	2009	55.1,55.1
50	812.1	712.6	498.6	716.8	817.8	742.1	549.6	732.9	40- 50	676.9	2686	73.7,73.7
60	568.3	389.4	257.1	394.2	578.6	428.1	290.9	416.6	50- 60	494.2	3180	87.2,87.2
70	340.2	164.0	83.13	168.9	353.1	206.9	147.9	199.4	60- 70	295.0	3475	95.3,95.3
80	104.5	27.68	0.7302	32.21	118.1	76.39	54.60	70.78	70- 80	129.8	3605	98.9,98.9
90	1.663	0.4887	0.1038	0.6174	2.450	5.649	5.501	4.583	80- 90	24.38	3629	99.5,99.6
100	0.9535	0.5202	0.3371	0.6684	0.9965	0.6315	0.3468	0.5907	90-100	0.8296	3630	99.6,99.6
110	1.763	1.141	0.7726	1.409	1.775	1.380	0.9632	1.334	100-110	0.9971	3631	99.6,99.6
120	2.597	1.988	1.483	2.368	2.713	2.410	1.999	2.321	110-120	1.747	3633	99.6,99.6
130	3.541	2.932	2.416	3.355	3.637	3.510	3.372	3.410	120-130	2.476	3635	99.7,99.7
140	4.371	3.890	3.515	4.179	4.482	4.367	4.611	4.410	130-140	2.904	3638	99.8,99.8
150	4.942	4.638	4.478	4.821	5.286	5.029	5.374	5.075	140-150	2.879	3641	99.9,99.9
160	5.430	5.332	5.276	5.534	5.934	5.635	5.783	5.645	150-160	2.422	3643	99.9,99.9
170	5.959	6.209	6.210	6.332	6.385	6.303	6.379	6.195	160-170	1.655	3645	100,100
180	6.696	6.874	7.022	6.842	6.639	6.825	7.007	6.868	170-180	0.6224	3646	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:2022-09-12

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=0.9862]  
 Remarks:

ISOCANDELA DIAGRAM

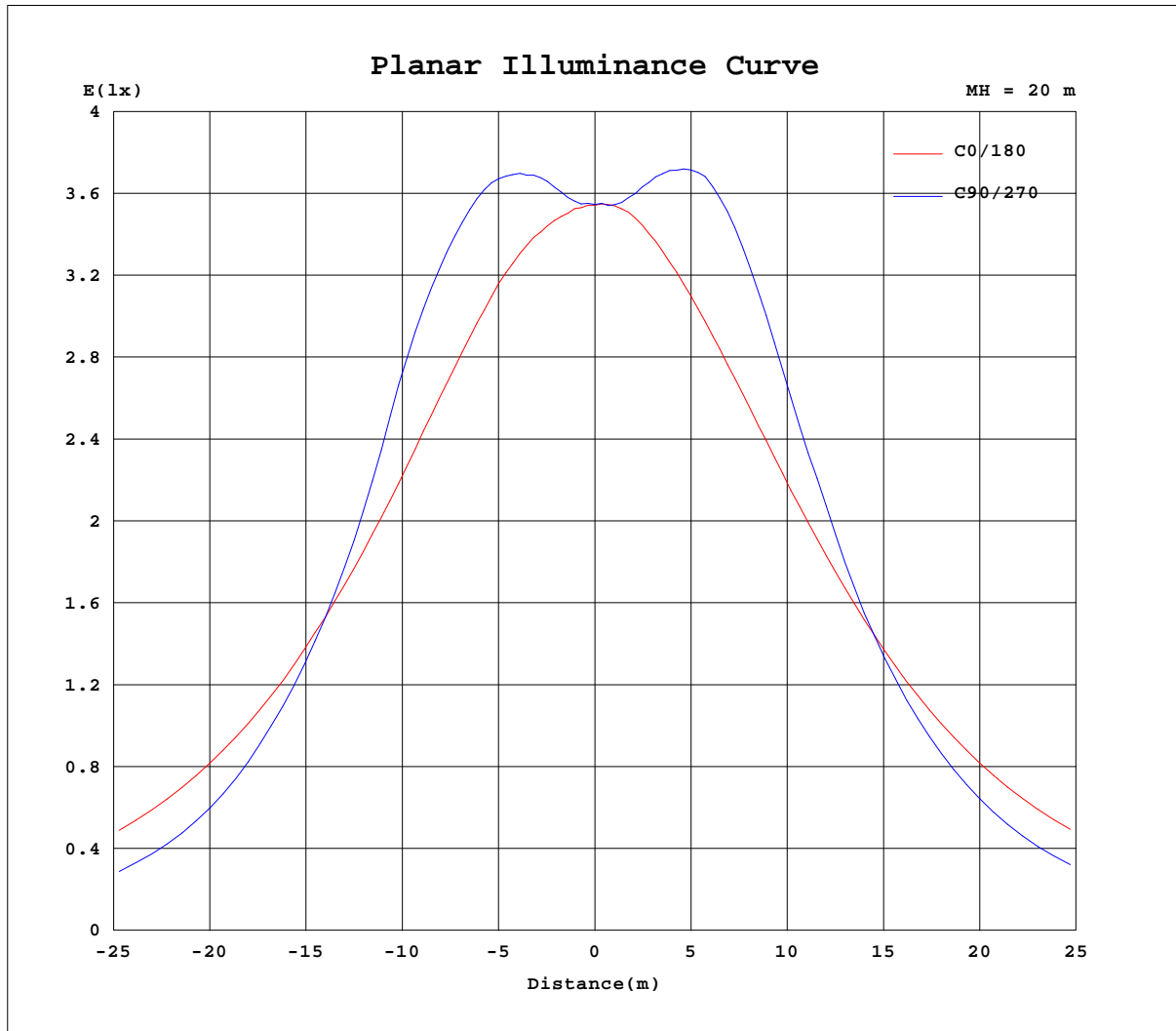
Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTNG CORP	SUR.: 0.1*0.05	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

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=0.9862]  
 Remarks:

Planar Illuminance Curve



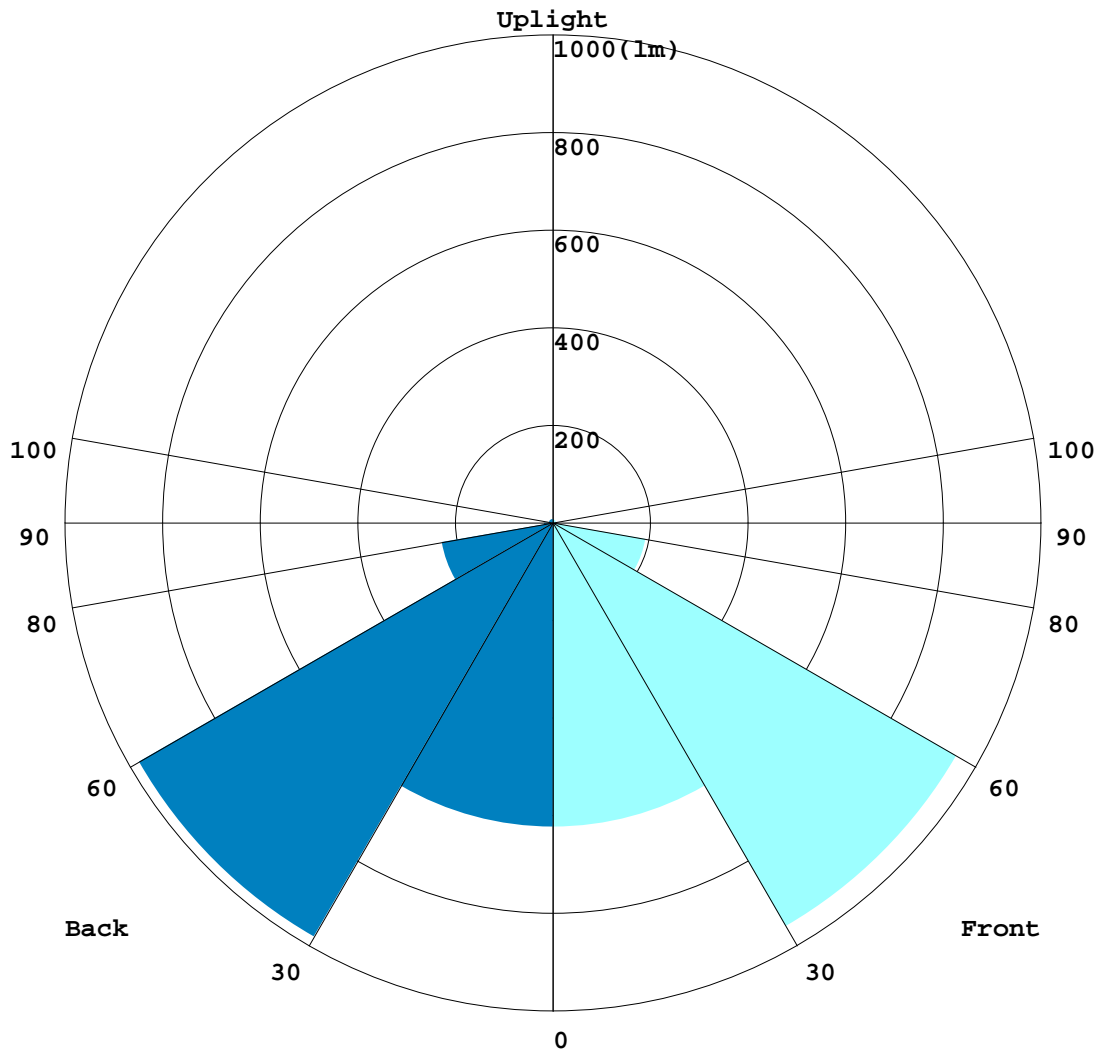
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-09-12

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=0.9862]  
 Remarks:

LCS REPORT

Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 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:2022-09-12

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=0.9862]  
 Remarks:

## BUG REPORT

Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 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)	622.76	17.1
FM - Front-Medium(30-60)	954.68	26.2
FH - Front-High(60-80)	193.54	5.3
FVH - Front-Very High(80-90)	6.1666	0.2
Total Forward Light	1784.9	49.0

BL - Back-Low(0-30)	622.84	17.1
BM - Back-Medium(30-60)	979.51	26.9
BH - Back-High(60-80)	231.31	6.3
BVH - Back-Very High(80-90)	18.209	0.5
Total Back Light	1860.6	51.0

UL - Uplight-Low(90-100)	0.82956	0.0
UH - Uplight-High(100-180)	15.703	0.4
Total Up Light	16.533	0.5

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1851.9	8.7582	1860.6
Street Side	1777.1	7.7745	1784.9

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-09-12

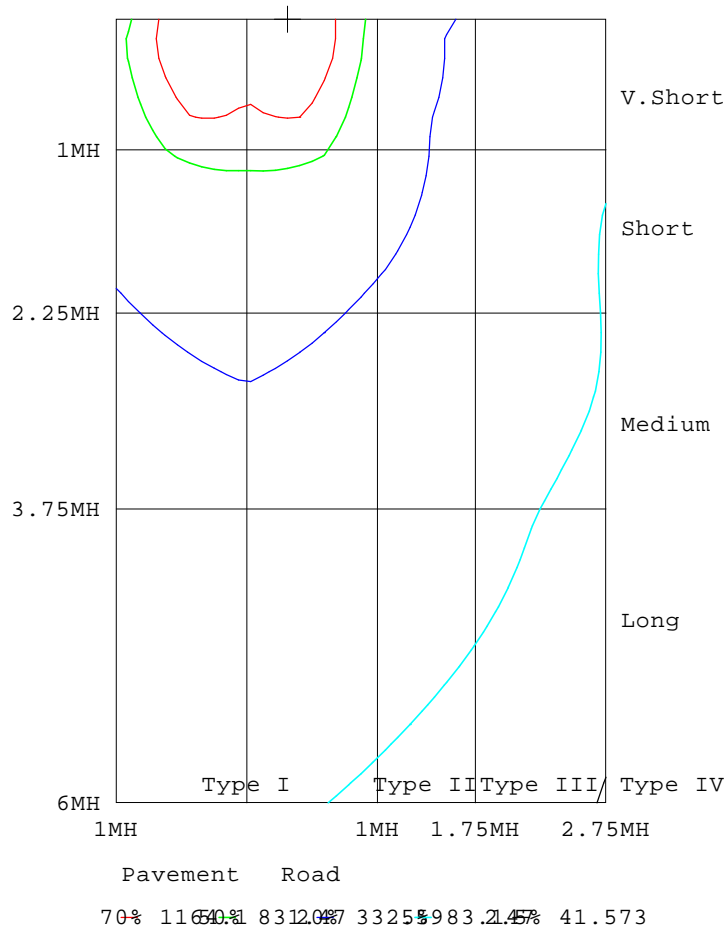
g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.700m [K=0.9862]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 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:2022-09-12

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=0.9862]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.08V I:0.2550A P:30.120W PF:0.9830 Freq:60.00Hz Lamp Flux:3645.4x1 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	1419	1419	1419	1419	1419	1419	1419	1419	1419	1419	1419	1419						
5	1413	1422	1448	1460	1451	1428	1422	1421	1437	1449	1434	1417						
10	1404	1453	1526	1546	1524	1439	1391	1424	1513	1549	1516	1442						
15	1377	1481	1586	1622	1572	1451	1350	1439	1586	1644	1598	1479						
20	1328	1487	1617	1636	1596	1452	1302	1448	1630	1656	1646	1496						
25	1265	1470	1580	1571	1559	1436	1244	1441	1573	1543	1585	1490						
30	1194	1422	1453	1353	1443	1398	1180	1419	1420	1361	1435	1446						
35	1115	1324	1219	1113	1206	1313	1106	1340	1235	1128	1245	1345						
40	1025	1185	994	894	982	1186	1022	1195	1022	921	1025	1189						
45	926	1018	785	677	779	1028	927	1021	824	729	821	1011						
50	812	839	586	499	583	851	818	842	642	550	636	830						
55	691	661	421	360	421	670	701	673	479	403	472	659						
60	568	488	291	257	292	496	579	515	341	291	334	500						
65	453	340	191	144	194	348	462	370	239	209	233	355						
70	340	220	108	83.1	110	227	353	248	166	148	162	237						
75	211	124	49.5	31.3	51.5	133	225	157	112	96.8	108	147						
80	105	46.9	8.44	0.73	9.53	54.9	118	86.6	66.2	54.6	62.8	78.8						
85	29.2	6.48	0.40	0.04	0.41	8.72	39.7	32.6	29.1	23.9	26.5	25.2						
90	1.66	0.77	0.21	0.10	0.24	1.00	2.45	5.05	6.24	5.50	5.66	3.51						
95	0.68	0.35	0.28	0.19	0.32	0.51	0.93	0.52	0.34	0.20	0.24	0.54						
100	0.95	0.56	0.48	0.34	0.53	0.80	1.00	0.73	0.53	0.35	0.43	0.76						
105	1.34	0.85	0.75	0.53	0.83	1.17	1.37	1.08	0.84	0.61	0.71	1.13						
110	1.76	1.21	1.08	0.77	1.20	1.62	1.77	1.52	1.24	0.96	1.07	1.60						
115	2.20	1.62	1.47	1.09	1.66	2.06	2.23	2.01	1.75	1.43	1.53	2.09						
120	2.60	2.06	1.92	1.48	2.20	2.54	2.71	2.51	2.31	2.00	2.01	2.64						
125	3.08	2.49	2.43	1.92	2.77	3.00	3.20	3.00	2.96	2.67	2.58	3.20						
130	3.54	2.90	2.96	2.42	3.31	3.40	3.64	3.46	3.56	3.37	3.17	3.65						
135	4.00	3.31	3.56	2.95	3.79	3.73	4.06	3.82	4.10	4.02	3.81	4.06						
140	4.37	3.70	4.08	3.51	4.24	4.12	4.48	4.17	4.57	4.61	4.34	4.48						
145	4.60	4.07	4.46	4.06	4.55	4.49	4.91	4.59	4.92	5.03	4.76	4.85						
150	4.94	4.44	4.84	4.48	4.76	4.88	5.29	4.93	5.13	5.37	5.06	5.09						
155	5.28	4.82	5.14	4.87	5.07	5.20	5.66	5.28	5.36	5.67	5.39	5.38						
160	5.43	5.29	5.37	5.28	5.44	5.62	5.93	5.65	5.62	5.78	5.66	5.63						
165	5.71	5.67	5.72	5.67	5.86	5.98	6.15	5.92	5.94	5.94	5.97	5.86						
170	5.96	6.15	6.26	6.21	6.26	6.40	6.38	6.24	6.36	6.38	6.30	6.09						
175	6.24	6.70	6.89	6.77	6.66	6.63	6.62	6.61	6.82	6.76	6.87	6.47						
180	6.70	6.82	6.93	7.02	6.89	6.79	6.64	6.70	6.95	7.01	6.99	6.75						

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-09-12

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
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 Remarks: