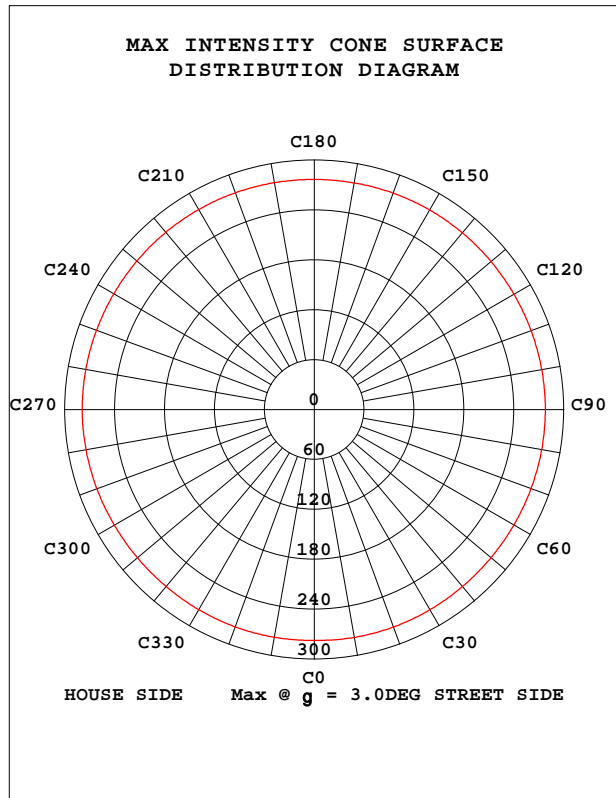
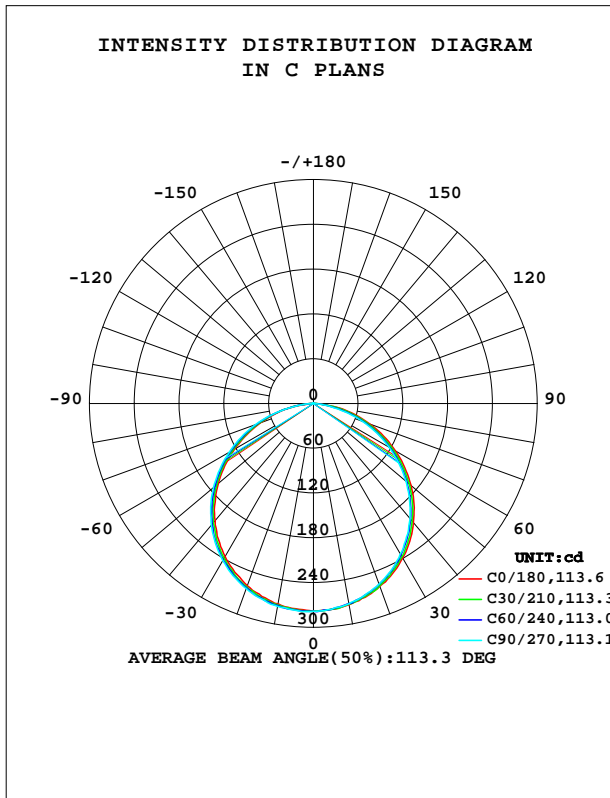


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.70 lm/W			
MODEL	ASD-JBSR-4D12AC-WH(5000K)	I _{max} (cd)	279.1	h street_up(%)	0.2
NOMINAL POWER(W)	10	LOR(%)	100.0	h street_down(%)	48.7
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	801.0	h house_up(%)	0.2
NOMINAL FLUX(lm)	801.045	MAXIMUM @(C,g)	270,3.0	h house_down(%)	51.0
LAMPS INSIDE	1	h up(%)	0.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		h down(%)	99.7	SLI	16.413

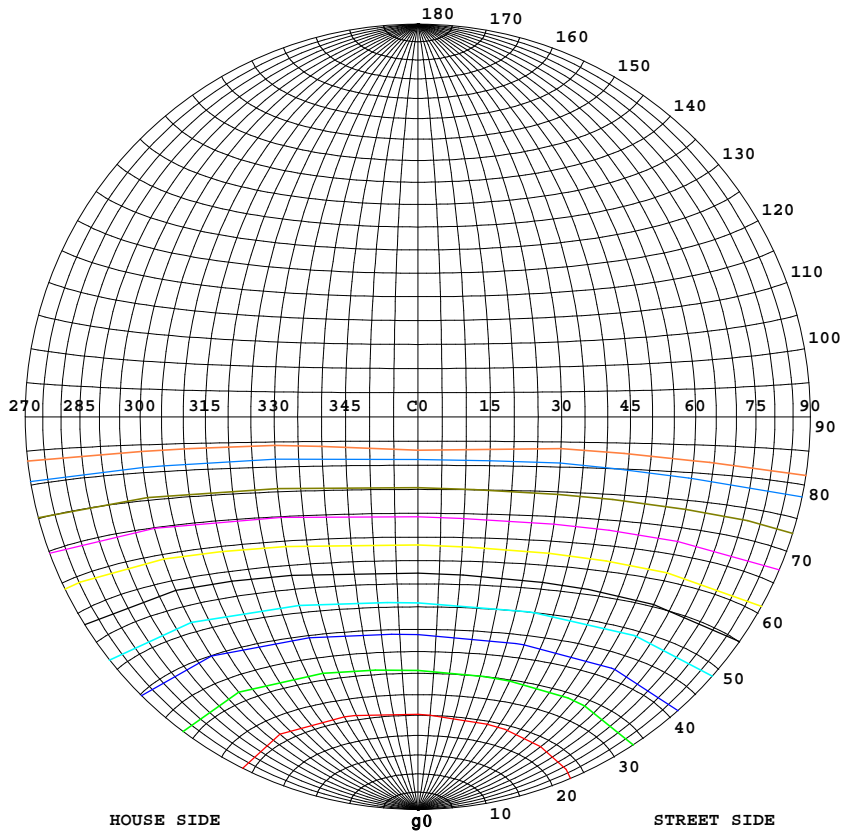


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-08-21

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:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



Classification:

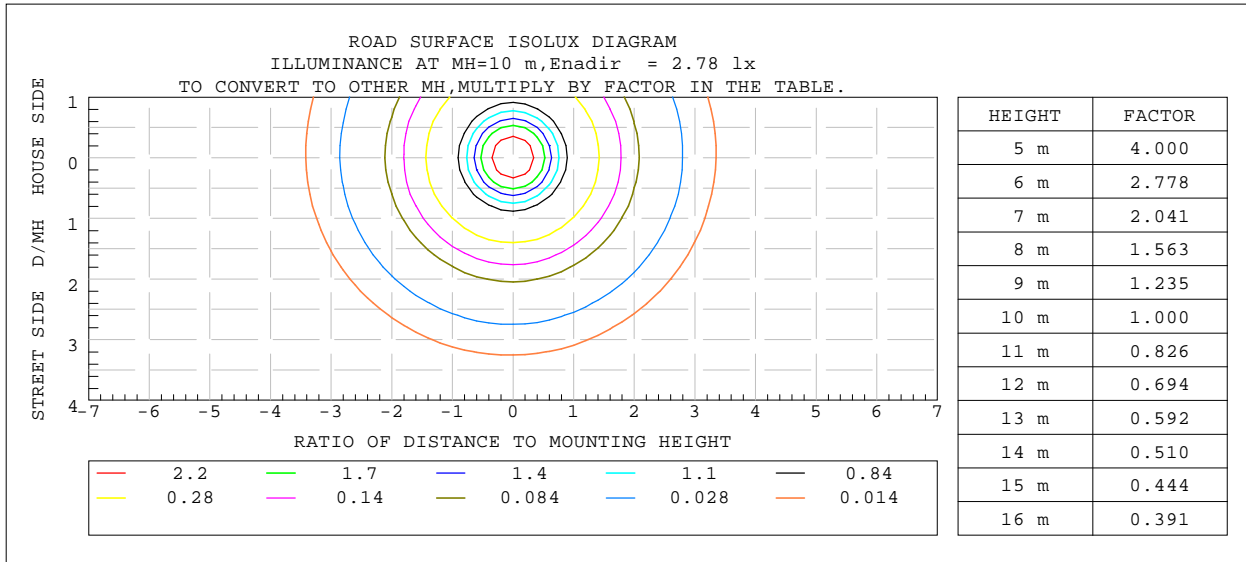
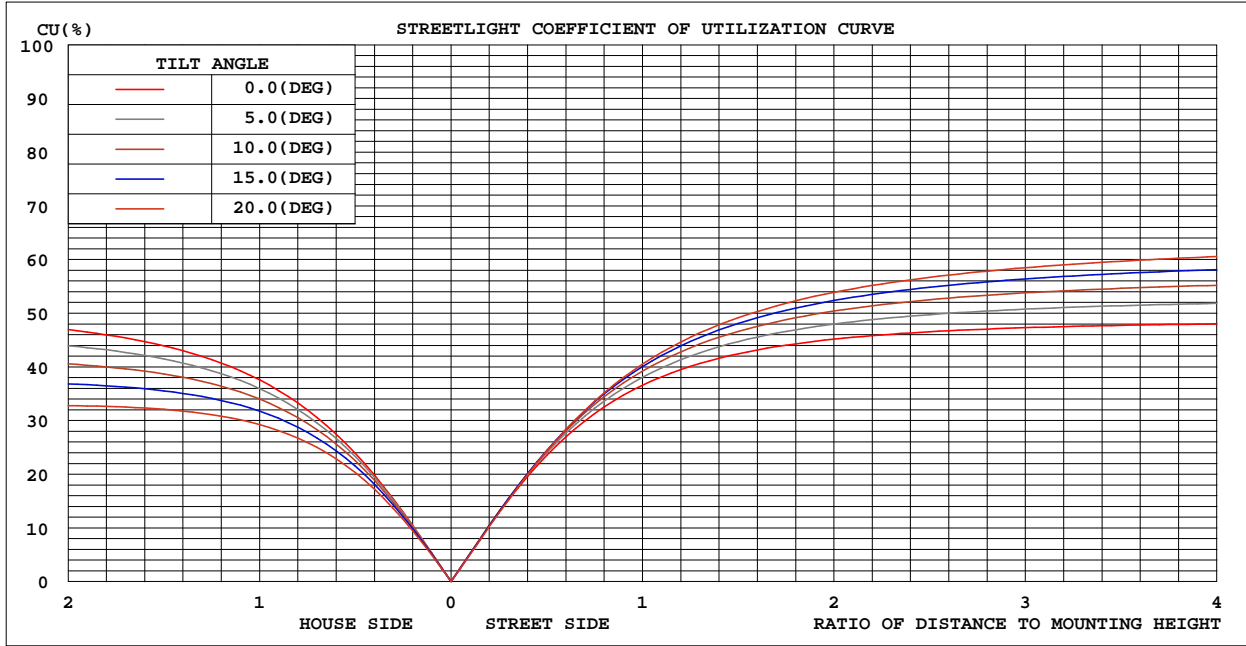
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:44.29cd/klm
 Max.At90:0.6010cd/klm
 Max.80-90:44.29cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	279
90%	251
80%	223
70%	195
60%	167
50%	140
40%	112
30%	84
20%	56
10%	28
5%	14

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-08-21

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: 2024-08-21

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:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

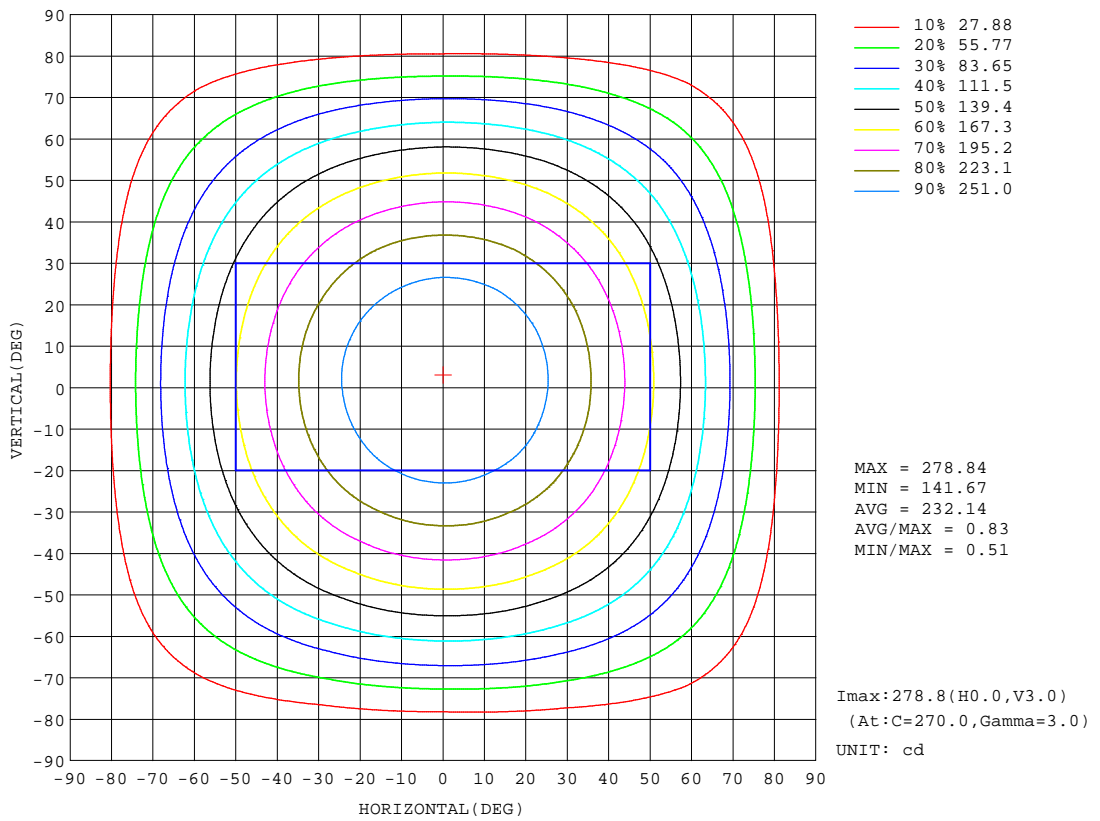
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	273.9	272.7	272.7	272.2	272.7	274.6	275.9	275.1	0- 10	26.34	26.34	3.29,3.29
20	260.6	258.8	257.4	257.8	259.6	262.2	263.8	263.2	10- 20	75.75	102.1	12.7,12.7
30	239.1	235.9	232.9	233.9	236.6	240.9	243.0	242.3	20- 30	115.4	217.5	27.2,27.2
40	208.6	204.3	201.5	201.6	205.3	210.0	212.9	212.4	30- 40	139.9	357.4	44.6,44.6
50	170.7	165.4	161.8	161.9	166.4	171.1	174.6	174.5	40- 50	145.3	502.7	62.8,62.8
60	126.9	120.8	116.9	116.9	121.9	126.4	130.5	130.4	50- 60	130.9	633.6	79.1,79.1
70	80.33	74.07	69.42	69.81	74.91	78.96	82.12	82.84	60- 70	99.18	732.8	91.5,91.5
80	35.48	27.23	19.70	22.82	29.73	31.58	30.32	33.85	70- 80	55.49	788.3	98.4,98.4
90	0.1086	0.0172	0.0172	0.0171	0.0570	0.0457	0.0631	0.2520	80- 90	10.04	798.3	99.7,99.7
100	0.0625	0.0998	0.1370	0.1139	0.1880	0.1312	0.1726	0.1111	90-100	0.0929	798.4	99.7,99.7
110	0.2218	0.2509	0.2854	0.2678	0.3587	0.2966	0.2509	0.2708	100-110	0.2036	798.6	99.7,99.7
120	0.3698	0.3993	0.4507	0.4160	0.5238	0.4591	0.4049	0.4218	110-120	0.3478	799.0	99.7,99.7
130	0.4951	0.5276	0.5706	0.5442	0.6604	0.5932	0.5533	0.5615	120-130	0.4461	799.4	99.8,99.8
140	0.6031	0.6188	0.6791	0.6498	0.7401	0.6930	0.6673	0.6668	130-140	0.4735	799.9	99.9,99.9
150	0.6999	0.7272	0.7874	0.7494	0.8425	0.7985	0.7758	0.7722	140-150	0.4477	800.3	99.9,99.9
160	0.7911	0.8412	0.8901	0.8457	0.8965	0.8745	0.8443	0.8353	150-160	0.3742	800.7	100,100
170	0.8991	0.9297	0.9699	0.9318	0.9801	0.9525	0.9299	0.9176	160-170	0.2519	801.0	100,100
180	0.9847	1.018	0.9927	0.9917	0.9961	1.012	0.9984	0.9831	170-180	0.0917	801.0	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:2024-08-21

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

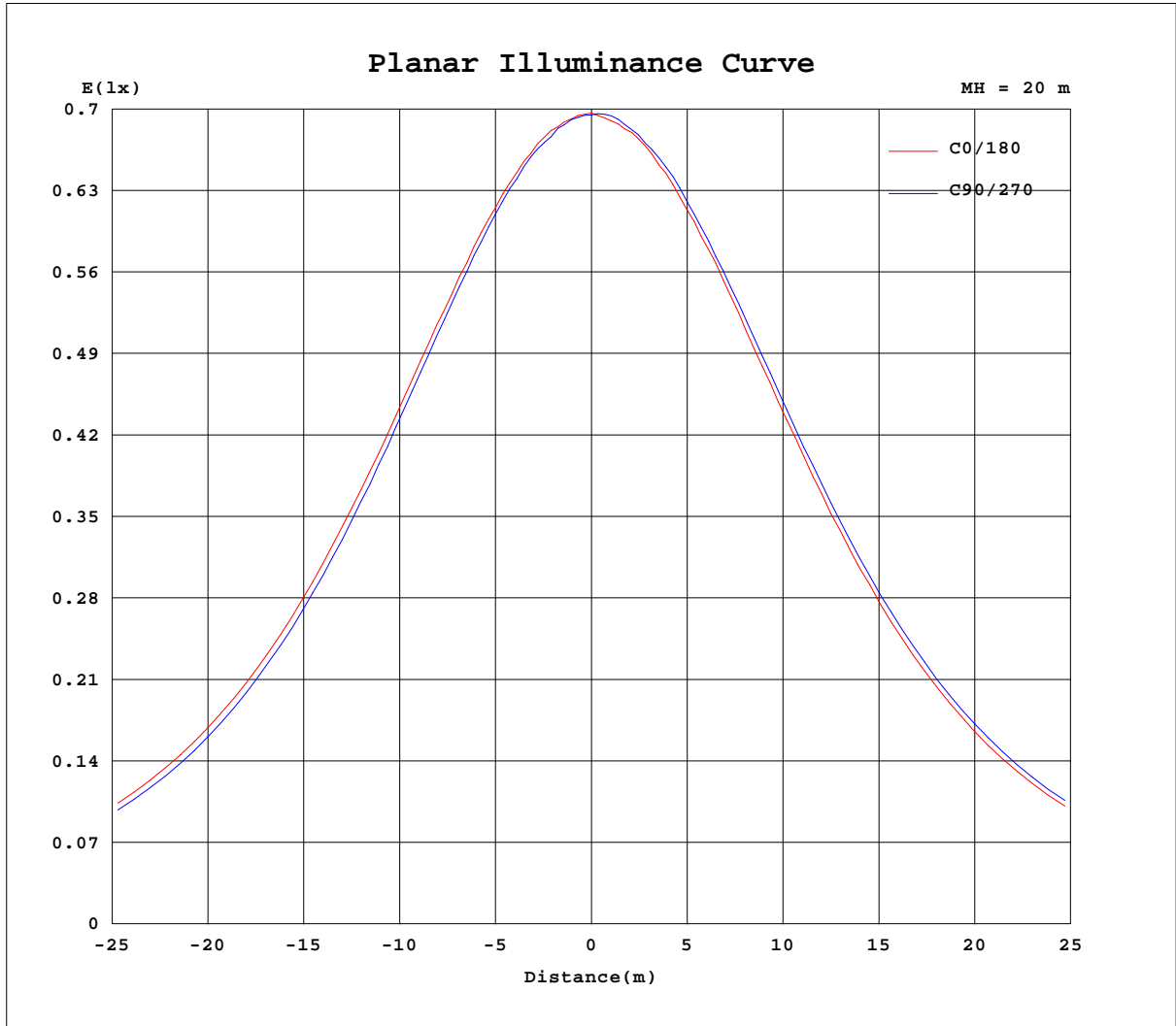
Test:U:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-08-21

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



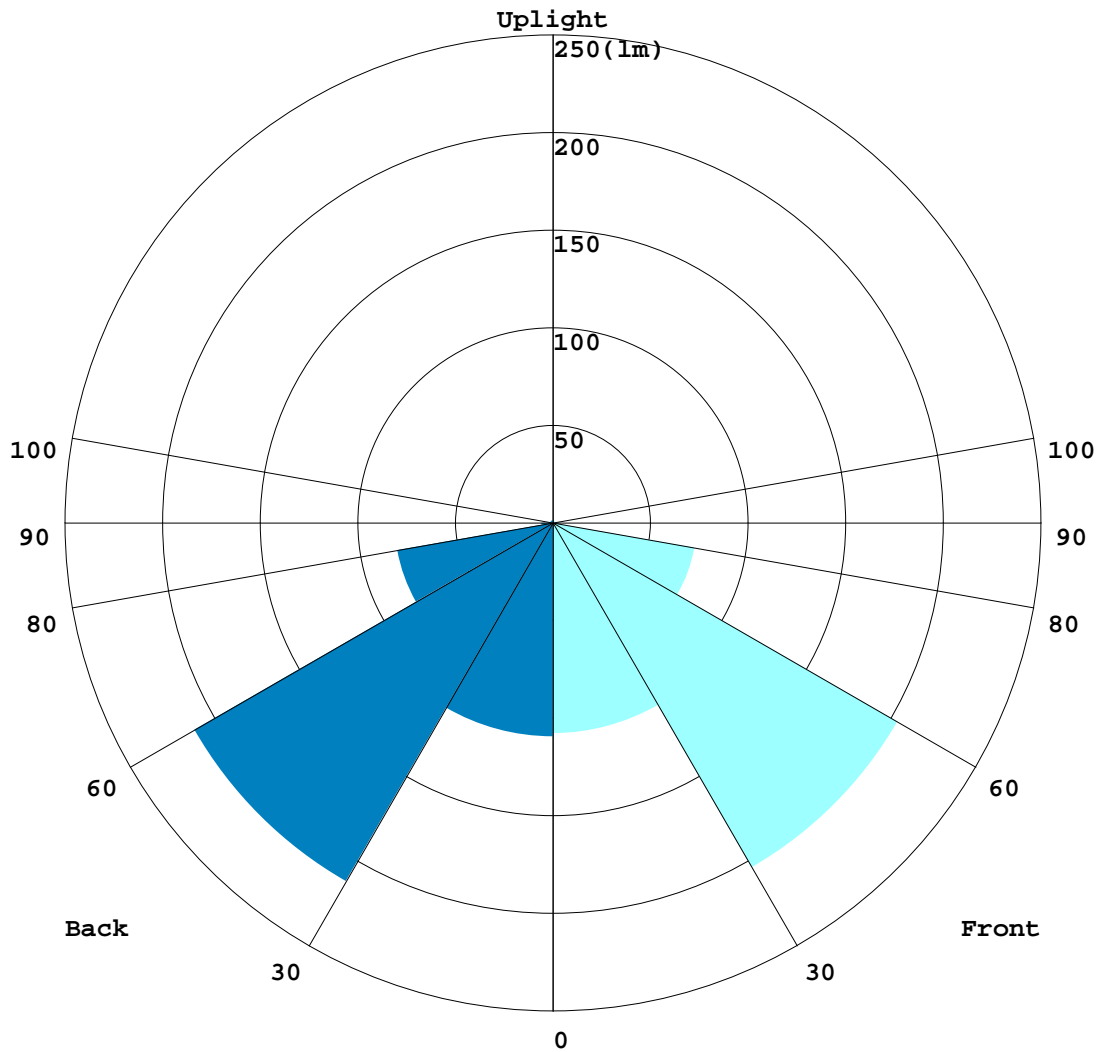
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-08-21

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:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	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:2024-08-21

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:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	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)	107.94	13.5
FM - Front-Medium(30-60)	203.92	25.5
FH - Front-High(60-80)	73.7	9.2
FVH - Front-Very High(80-90)	4.1584	0.5
Total Forward Light	391.01	48.8

BL - Back-Low(0-30)	109.58	13.7
BM - Back-Medium(30-60)	212.17	26.5
BH - Back-High(60-80)	80.971	10.1
BVH - Back-Very High(80-90)	5.8855	0.7
Total Back Light	410.04	51.2

UL - Uplight-Low(90-100)	0.092931	0.0
UH - Uplight-High(100-180)	2.6365	0.3
Total Up Light	2.7294	0.3

BUG(Back,Up,Glare) Rating	B0-U1-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	408.6	1.4351	410.04
Street Side	389.71	1.2943	391.01

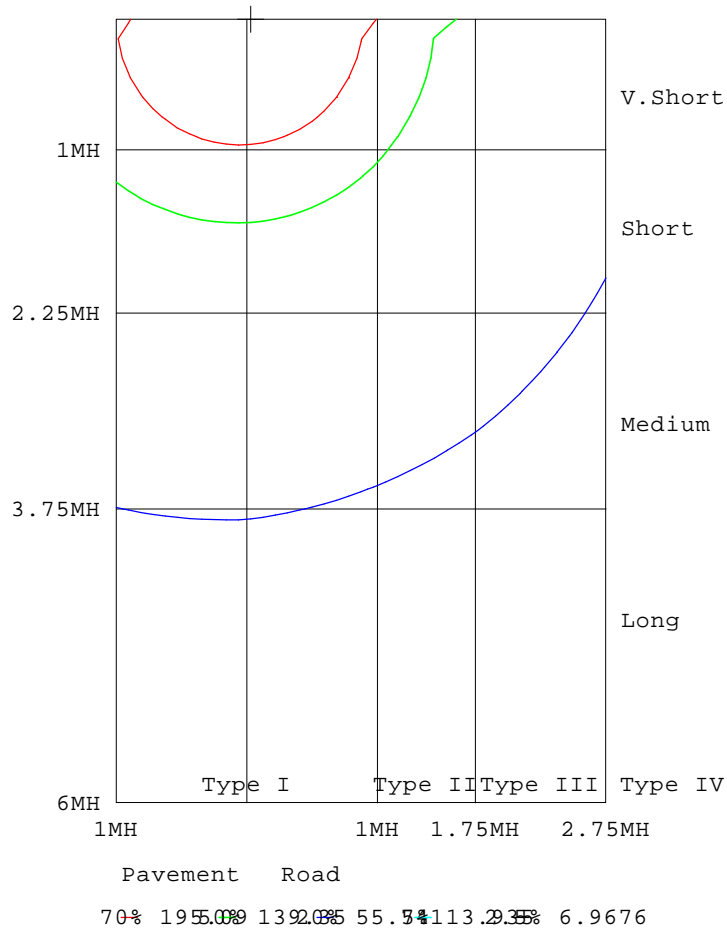
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-08-21

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:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	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:2024-08-21

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:120.12V I:0.0987A P:11.660W PF:0.9832 Freq:60.00Hz Lamp Flux:801.045x1 lm		
NAME: ASD-JBSR-4D12AC-WH(5000K)	TYPE:	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	278	278	278	278	278	278	278	278	278	278	278	278						
5	277	277	277	277	276	276	276	277	278	278	278	278						
10	274	273	272	273	272	273	273	274	275	276	275	275						
15	268	268	266	266	265	267	268	269	270	271	270	271						
20	261	260	258	257	257	259	260	261	263	264	264	263						
25	251	249	248	247	246	247	250	252	254	255	254	254						
30	239	237	234	233	233	235	237	240	242	243	243	242						
35	225	222	219	218	217	220	222	225	228	229	229	228						
40	209	206	203	201	200	203	205	209	211	213	213	212						
45	191	188	184	182	181	184	187	189	193	195	195	193						
50	171	167	163	162	161	163	166	169	173	175	175	174						
55	149	146	141	140	139	141	145	148	151	153	154	152						
60	127	123	119	117	116	118	122	125	128	131	131	130						
65	104	99.7	95.1	93.7	92.0	94.8	98.4	101	104	107	107	106						
70	80.3	76.4	71.8	69.4	68.3	71.3	74.9	77.3	80.7	82.1	82.9	82.8						
75	57.3	53.4	47.7	44.0	44.3	48.4	52.1	54.3	56.4	56.4	58.1	58.8						
80	35.5	31.2	23.3	19.7	20.0	25.7	29.7	32.1	31.0	30.3	32.4	35.2						
85	8.51	8.45	1.95	0.20	0.15	4.28	5.86	8.83	8.48	7.67	8.44	10.4						
90	0.11	0.01	0.02	0.02	0.02	0.02	0.06	0.06	0.03	0.06	0.02	0.48						
95	0.02	0.07	0.02	0.07	0.02	0.06	0.12	0.06	0.09	0.36	0.51	0.04						
100	0.06	0.12	0.08	0.14	0.09	0.14	0.19	0.12	0.14	0.17	0.14	0.09						
105	0.14	0.19	0.15	0.21	0.15	0.21	0.27	0.20	0.23	0.16	0.21	0.16						
110	0.22	0.27	0.23	0.29	0.24	0.29	0.36	0.28	0.31	0.25	0.30	0.24						
115	0.30	0.35	0.30	0.38	0.31	0.37	0.44	0.37	0.39	0.33	0.38	0.32						
120	0.37	0.43	0.37	0.45	0.39	0.44	0.52	0.45	0.47	0.40	0.44	0.40						
125	0.44	0.50	0.46	0.51	0.46	0.50	0.58	0.52	0.54	0.48	0.52	0.48						
130	0.50	0.55	0.51	0.57	0.52	0.57	0.66	0.59	0.60	0.55	0.58	0.55						
135	0.55	0.60	0.56	0.63	0.57	0.62	0.71	0.63	0.66	0.61	0.63	0.60						
140	0.60	0.64	0.60	0.68	0.63	0.67	0.74	0.68	0.71	0.67	0.69	0.64						
145	0.65	0.70	0.66	0.73	0.67	0.72	0.80	0.73	0.75	0.72	0.73	0.70						
150	0.70	0.74	0.72	0.79	0.73	0.76	0.84	0.78	0.82	0.78	0.80	0.74						
155	0.74	0.79	0.78	0.85	0.79	0.81	0.88	0.83	0.86	0.81	0.83	0.78						
160	0.79	0.84	0.84	0.89	0.82	0.87	0.90	0.87	0.88	0.84	0.86	0.82						
165	0.84	0.88	0.89	0.94	0.87	0.91	0.94	0.90	0.93	0.88	0.88	0.85						
170	0.90	0.94	0.92	0.97	0.90	0.96	0.98	0.95	0.96	0.93	0.94	0.90						
175	0.93	0.98	0.96	0.99	0.96	0.98	0.99	0.99	1.00	0.96	0.98	0.94						
180	0.98	1.02	1.02	0.99	0.99	0.99	1.00	1.02	1.01	1.00	1.00	0.97						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-08-21

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: