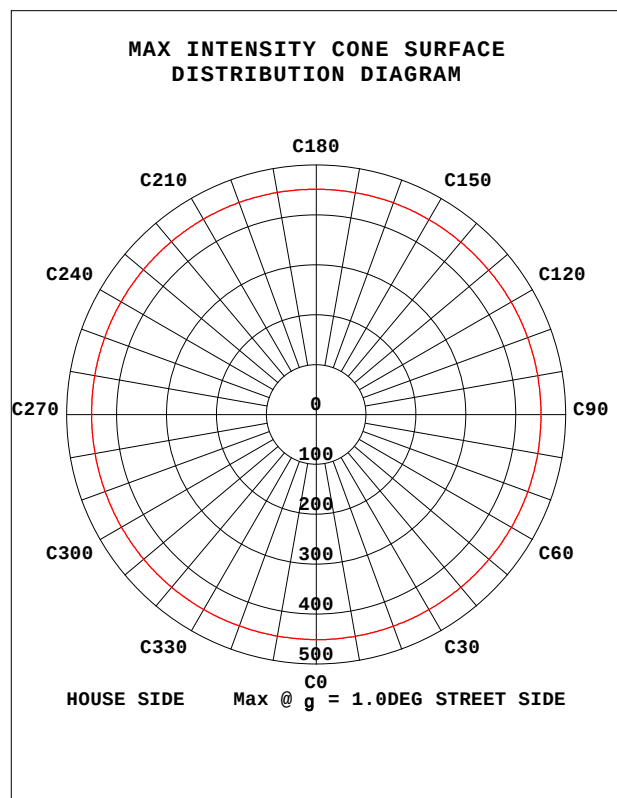
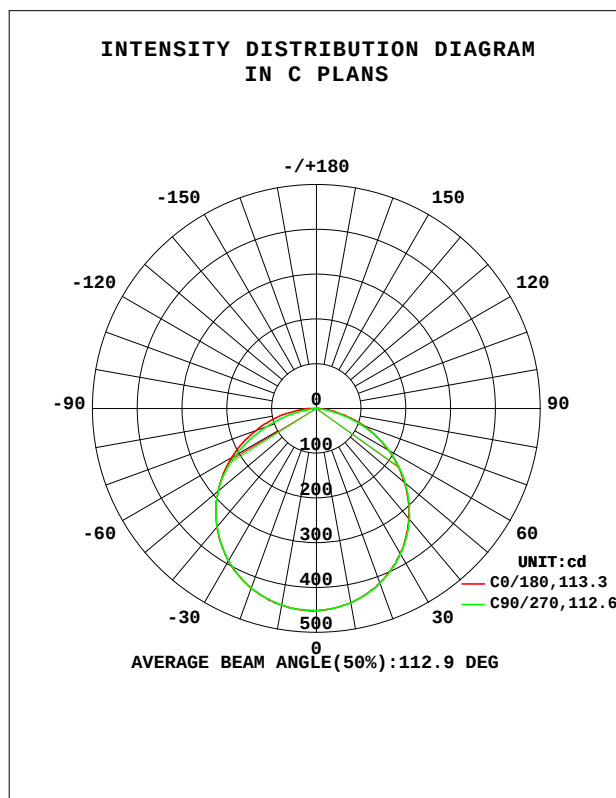


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.41 lm/W			
MODEL ASD-JBR-6D15AC-XX-EM		Imax(cd)	452.4	h street_up(%)	0.2
NOMINAL POWER(W)	15	LOR(%)	100.0	h street_down(%)	48.5
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1287	h house_up(%)	0.2
NOMINAL FLUX(lm)	1287.25	MAXIMUM @(C, g)	203,1.0	h house_down(%)	51.1
LAMPS INSIDE	1	h up(%)	0.4	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	h down(%)	99.6	SLI	17.152

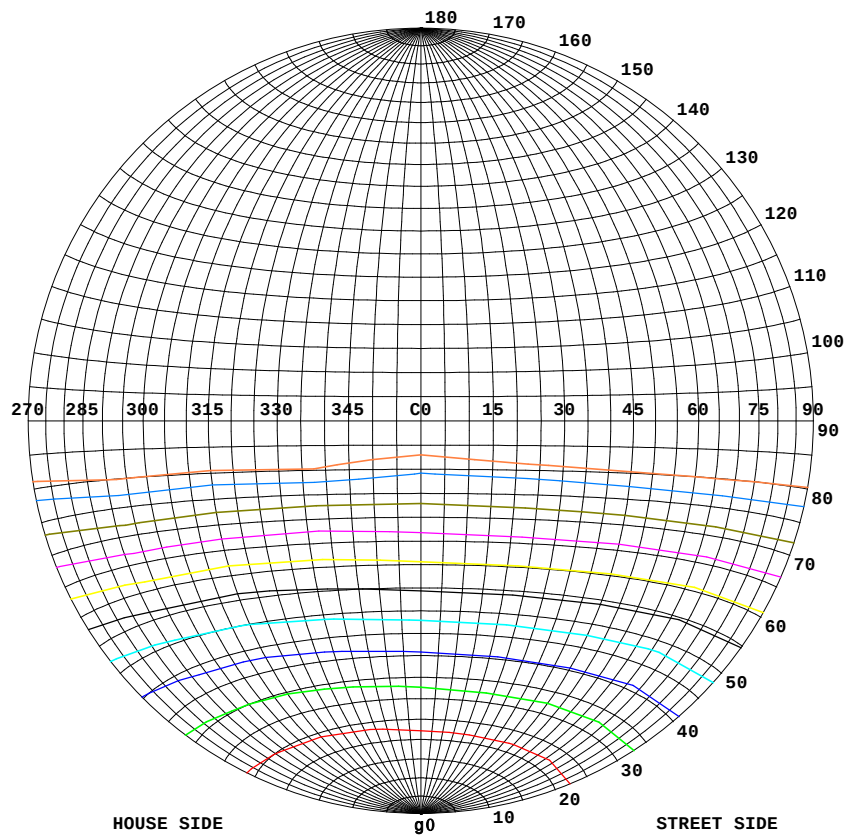


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:18 January 2025

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.700m [K=1.0115]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



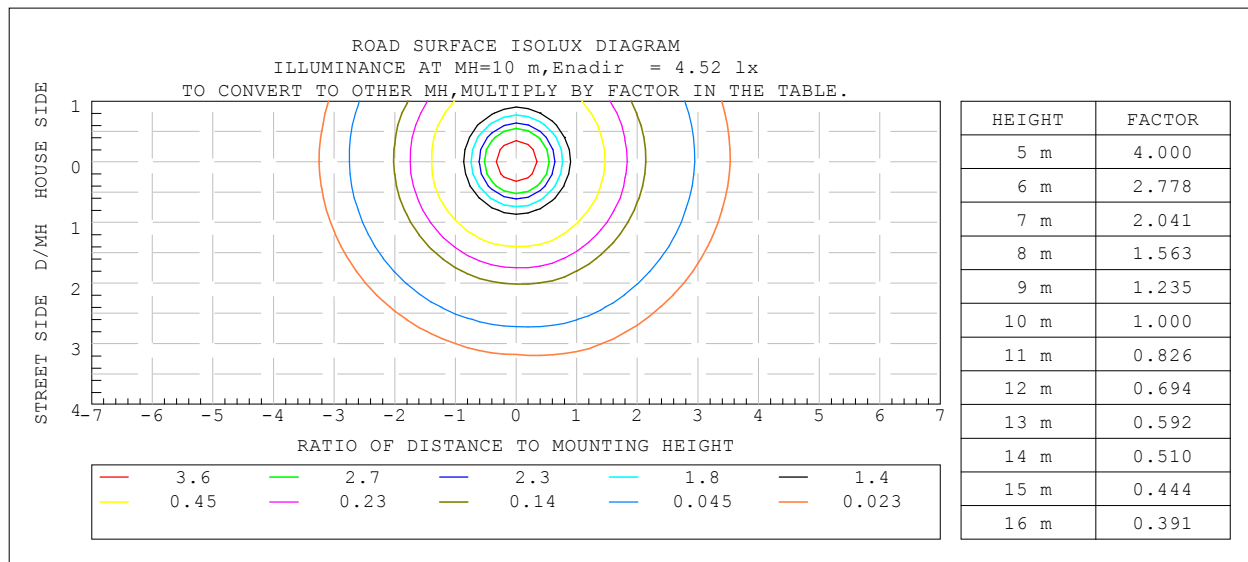
Classification:

IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:54.04cd/klm
 Max.At90:7.007cd/klm
 Max.80-90:54.04cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	452
90%	407
80%	362
70%	317
60%	271
50%	226
40%	181
30%	136
20%	90
10%	45
5%	23

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:18 January 2025

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0115]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 18 January 2025

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 8.700m [K=1.0115]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

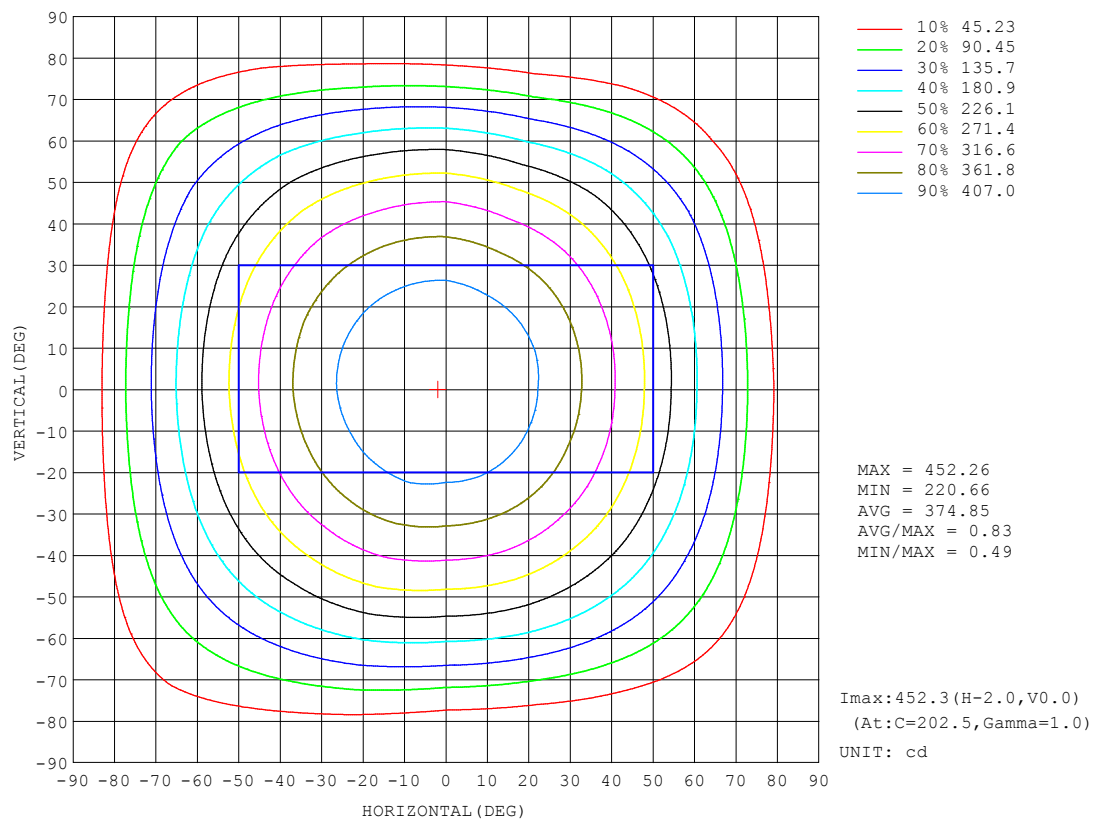
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	440.7	439.8	440.6	443.6	445.6	447.5	445.9	443.5	0- 10	42.71	42.71	3.32,3.32
20	414.3	414.4	414.7	421.5	426.6	429.3	426.3	420.7	10- 20	122.6	165.3	12.8,12.8
30	374.4	374.1	375.4	384.9	393.9	395.6	392.4	383.6	20- 30	186.5	351.8	27.3,27.3
40	321.1	319.8	323.0	334.6	345.4	349.0	344.6	332.6	30- 40	225.6	577.4	44.9,44.9
50	257.1	255.0	258.7	272.8	286.8	291.7	286.2	270.9	40- 50	235.0	812.4	63.1,63.1
60	185.0	183.2	186.5	202.8	218.2	221.6	207.7	196.8	50- 60	212.1	1025	79.6,79.6
70	111.7	105.2	106.0	127.5	144.2	139.0	118.0	111.6	60- 70	159.1	1184	92,92
80	40.66	24.57	24.29	51.51	69.56	53.98	30.84	26.35	70- 80	83.85	1268	98.5,98.5
90	0.1379	0.1314	0.2203	0.7489	9.020	1.458	0.0876	0.1527	80- 90	14.53	1282	99.6,99.6
100	0.3322	0.4988	1.120	0.3430	0.3055	0.2785	0.2723	0.4467	90-100	0.5093	1283	99.6,99.6
110	0.5719	0.5561	0.5273	0.4683	0.5452	0.5347	0.5554	0.6049	100-110	0.4763	1283	99.7,99.7
120	0.8062	0.7850	0.7618	0.7024	0.8013	0.7637	0.7895	0.8555	110-120	0.6540	1284	99.7,99.7
130	1.024	1.003	0.9959	0.9150	1.014	0.9656	1.007	1.035	120-130	0.7968	1284	99.8,99.8
140	1.144	1.145	1.148	1.084	1.177	1.156	1.176	1.188	130-140	0.8290	1285	99.8,99.8
150	1.246	1.249	1.284	1.220	1.330	1.304	1.317	1.329	140-150	0.7646	1286	99.9,99.9
160	1.362	1.396	1.426	1.422	1.417	1.412	1.410	1.411	150-160	0.6214	1287	100,100
170	1.488	1.516	1.546	1.536	1.608	1.576	1.549	1.574	160-170	0.4164	1287	100,100
180	1.667	1.641	1.622	1.667	1.678	1.647	1.627	1.672	170-180	0.1518	1287	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:18 January 2025

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0115]
 Remarks:

ISOCANDELA DIAGRAM

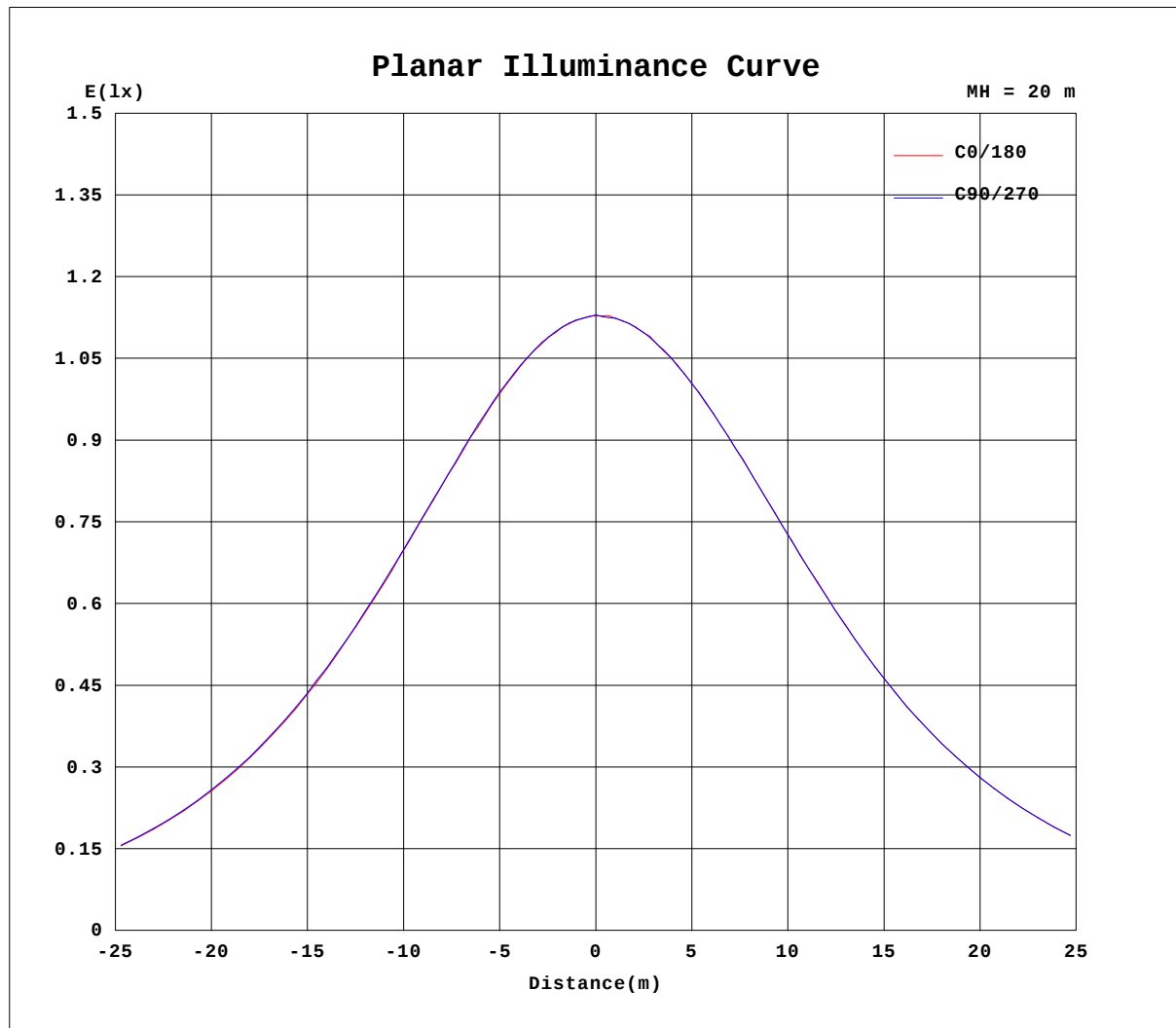
Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 18 January 2025

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 8.700m [K=1.0115]
Remarks:

Planar Illuminance Curve



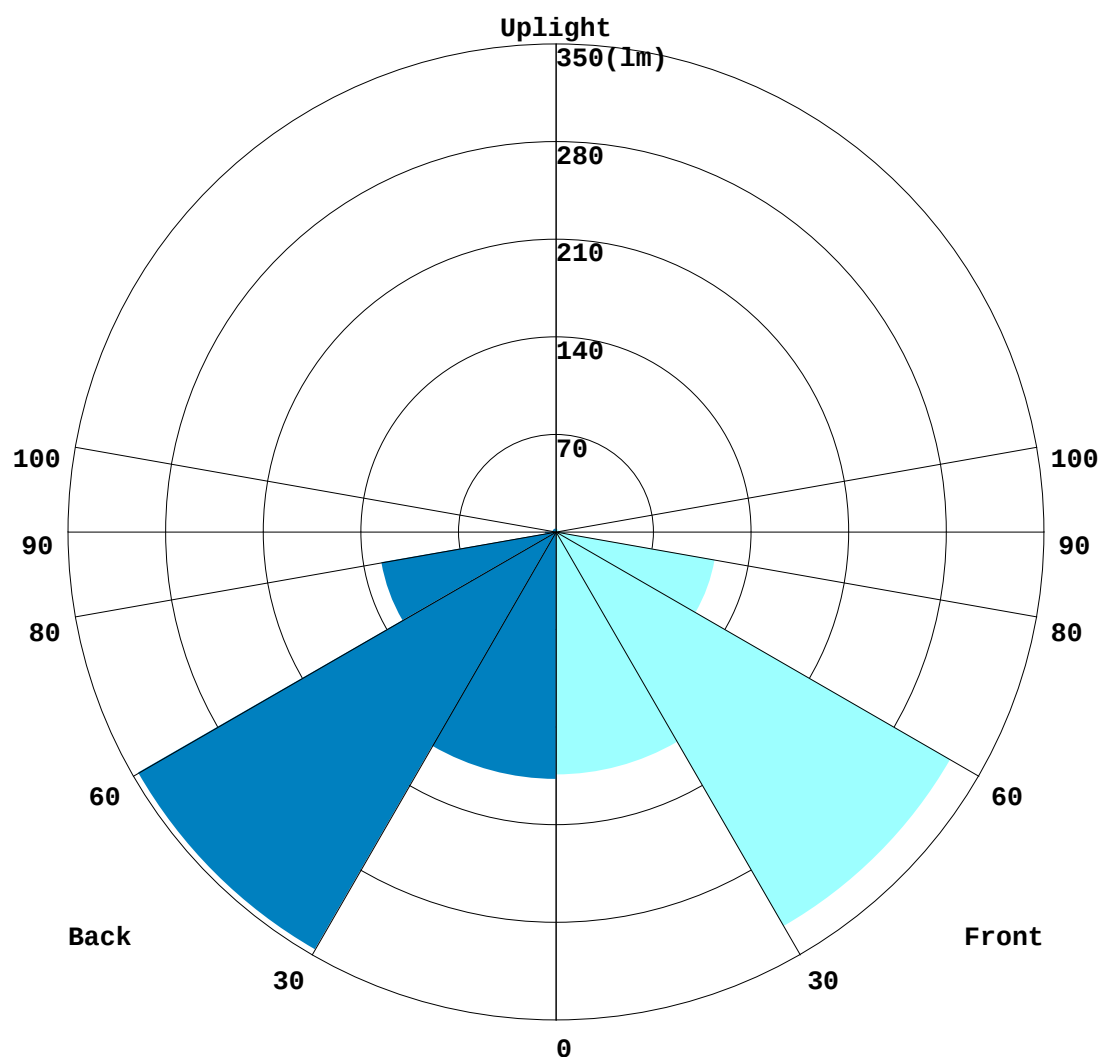
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 18 January 2025

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 8.700m [K=1.0115]
Remarks:

LCS REPORT

Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 18 January 2025

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0115]
 Remarks:

BUG REPORT

Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	174.26	13.5
FM - Front-Medium(30-60)	326.88	25.4
FH - Front-High(60-80)	115.95	9.0
FVH - Front-Very High(80-90)	6.6433	0.5
Total Forward Light	626.32	48.7

BL - Back-Low(0-30)	177.49	13.8
BM - Back-Medium(30-60)	345.86	26.9
BH - Back-High(60-80)	127.04	9.9
BVH - Back-Very High(80-90)	7.8847	0.6
Total Back Light	660.93	51.3

UL - Uplight-Low(90-100)	0.50926	0.0
UH - Uplight-High(100-180)	4.7103	0.4
Total Up Light	5.2195	0.4

BUG(Back,Up,Glare) Rating	B1-U1-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	658.29	2.6425	660.93
Street Side	623.75	2.577	626.32

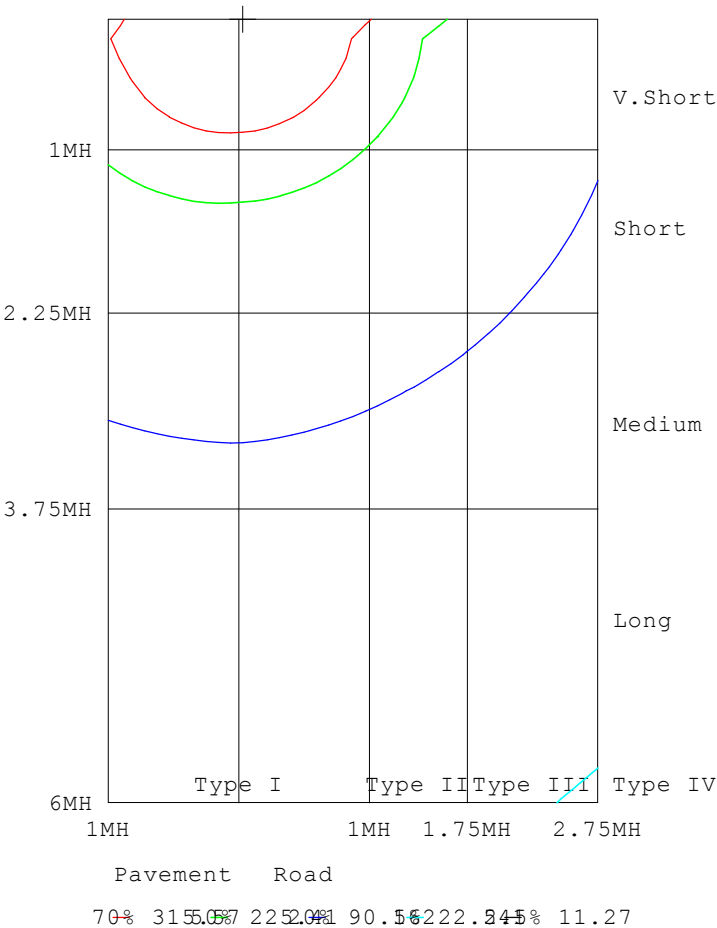
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:18 January 2025

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.700m [K=1.0115]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:18 January 2025

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.700m [K=1.0115]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.1255A P:14.896W PF:0.9887 Freq:60.00Hz Lamp Flux:1287.25x1 lm		
NAME: ASD-JBR-6D15AC-XX-EM	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451	451			
5	448	447	448	448	448	449	449	451	451	452	452	452	450	449	449	448			
10	441	440	440	442	441	443	444	445	446	448	447	448	446	444	443	442			
15	430	429	429	431	430	433	434	436	438	440	440	440	438	435	434	432			
20	414	414	414	416	415	420	422	424	427	429	429	428	426	423	421	418			
25	396	395	396	397	397	402	405	408	411	414	414	414	411	406	403	400			
30	374	373	374	376	375	382	385	389	394	396	396	395	392	386	384	380			
35	350	348	349	350	351	358	361	366	371	374	374	374	371	363	360	355			
40	321	320	320	323	323	331	335	340	345	349	349	349	345	336	333	327			
45	290	289	289	292	292	302	305	311	318	321	322	320	318	307	303	296			
50	257	255	255	259	259	270	273	280	287	291	292	289	286	275	271	264			
55	221	219	220	224	224	235	238	246	254	258	259	253	249	237	236	229			
60	185	183	183	186	187	198	203	210	218	222	222	213	208	195	197	193			
65	149	145	146	146	148	160	166	173	182	185	181	171	163	152	155	156			
70	112	107	105	104	106	121	128	136	144	147	139	127	118	108	112	116			
75	72.9	69.9	65.0	62.0	64.2	79.7	89.5	99.1	107	108	95.8	82.5	73.5	63.5	68.0	68.4			
80	40.7	31.8	24.6	21.8	24.3	39.9	51.5	63.2	69.6	64.9	54.0	40.1	30.8	21.7	26.4	23.7			
85	7.40	1.68	3.95	5.14	5.16	5.13	15.4	29.5	34.3	20.8	15.5	5.61	1.16	0.35	0.35	4.83			
90	0.14	0.17	0.13	0.24	0.22	0.62	0.75	1.83	9.02	2.55	1.46	0.16	0.09	0.59	0.15	0.16			
95	0.21	0.33	0.79	0.35	0.21	0.26	0.20	0.21	0.16	0.23	0.18	0.76	0.67	1.21	0.24	0.28			
100	0.33	0.43	0.50	0.39	1.12	1.37	0.34	0.35	0.31	0.31	0.28	0.29	0.27	0.27	0.45	0.36			
105	0.44	0.51	0.51	0.56	0.35	0.34	0.35	0.41	0.41	0.37	0.41	0.40	0.56	0.51	0.50	0.45			
110	0.57	0.62	0.56	0.58	0.53	0.52	0.47	0.52	0.55	0.48	0.53	0.48	0.56	0.54	0.60	0.57			
115	0.69	0.74	0.68	0.69	0.64	0.64	0.57	0.63	0.68	0.59	0.65	0.61	0.67	0.66	0.73	0.71			
120	0.81	0.86	0.78	0.82	0.76	0.77	0.70	0.74	0.80	0.71	0.76	0.74	0.79	0.79	0.86	0.82			
125	0.93	0.95	0.91	0.92	0.89	0.86	0.82	0.85	0.92	0.82	0.88	0.85	0.92	0.88	0.95	0.94			
130	1.02	1.03	1.00	1.04	1.00	0.97	0.92	0.94	1.01	0.92	0.97	0.96	1.01	0.97	1.04	1.04			
135	1.08	1.11	1.07	1.11	1.09	1.05	1.00	1.01	1.10	1.02	1.07	1.06	1.09	1.08	1.13	1.10			
140	1.14	1.17	1.15	1.18	1.15	1.12	1.08	1.10	1.18	1.12	1.16	1.14	1.18	1.17	1.19	1.17			
145	1.21	1.23	1.19	1.24	1.22	1.19	1.15	1.18	1.25	1.19	1.21	1.23	1.26	1.24	1.28	1.26			
150	1.25	1.28	1.25	1.31	1.28	1.26	1.22	1.27	1.33	1.29	1.30	1.32	1.32	1.32	1.33	1.31			
155	1.31	1.33	1.31	1.38	1.36	1.33	1.31	1.33	1.38	1.32	1.37	1.36	1.36	1.34	1.38	1.36			
160	1.36	1.38	1.40	1.43	1.43	1.40	1.42	1.42	1.42	1.40	1.41	1.41	1.41	1.39	1.41	1.39			
165	1.42	1.42	1.43	1.51	1.49	1.48	1.49	1.48	1.50	1.46	1.46	1.50	1.50	1.48	1.50	1.48			
170	1.49	1.52	1.52	1.57	1.55	1.55	1.54	1.58	1.61	1.59	1.58	1.55	1.55	1.55	1.57	1.52			
175	1.58	1.61	1.61	1.60	1.58	1.61	1.63	1.64	1.65	1.66	1.63	1.60	1.61	1.59	1.62	1.57			
180	1.67	1.68	1.64	1.66	1.62	1.61	1.67	1.65	1.68	1.67	1.65	1.66	1.63	1.65	1.67	1.62			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:18 January 2025

g Range: 0 - 180DEG

g Interval: 1.0DEG

Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.421

Humidity:65.0%

Test Distance:8.700m [K=1.0115]

Remarks: