

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P946248

Luminaire Tested: **GALN-SB1D-950-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB1D-950-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

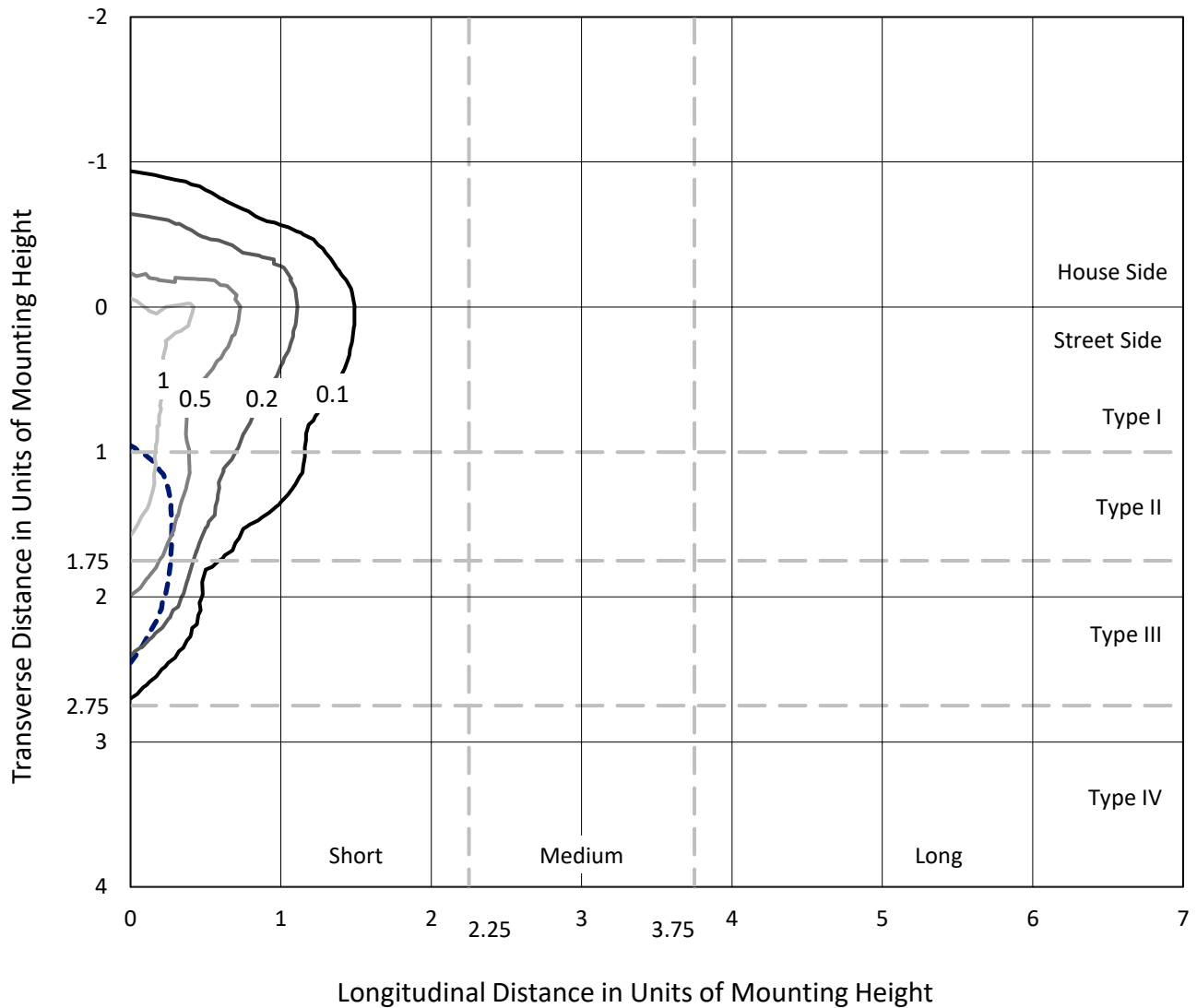
Lumens per Lamp: N/A  
Luminaire Lumens: 5404 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

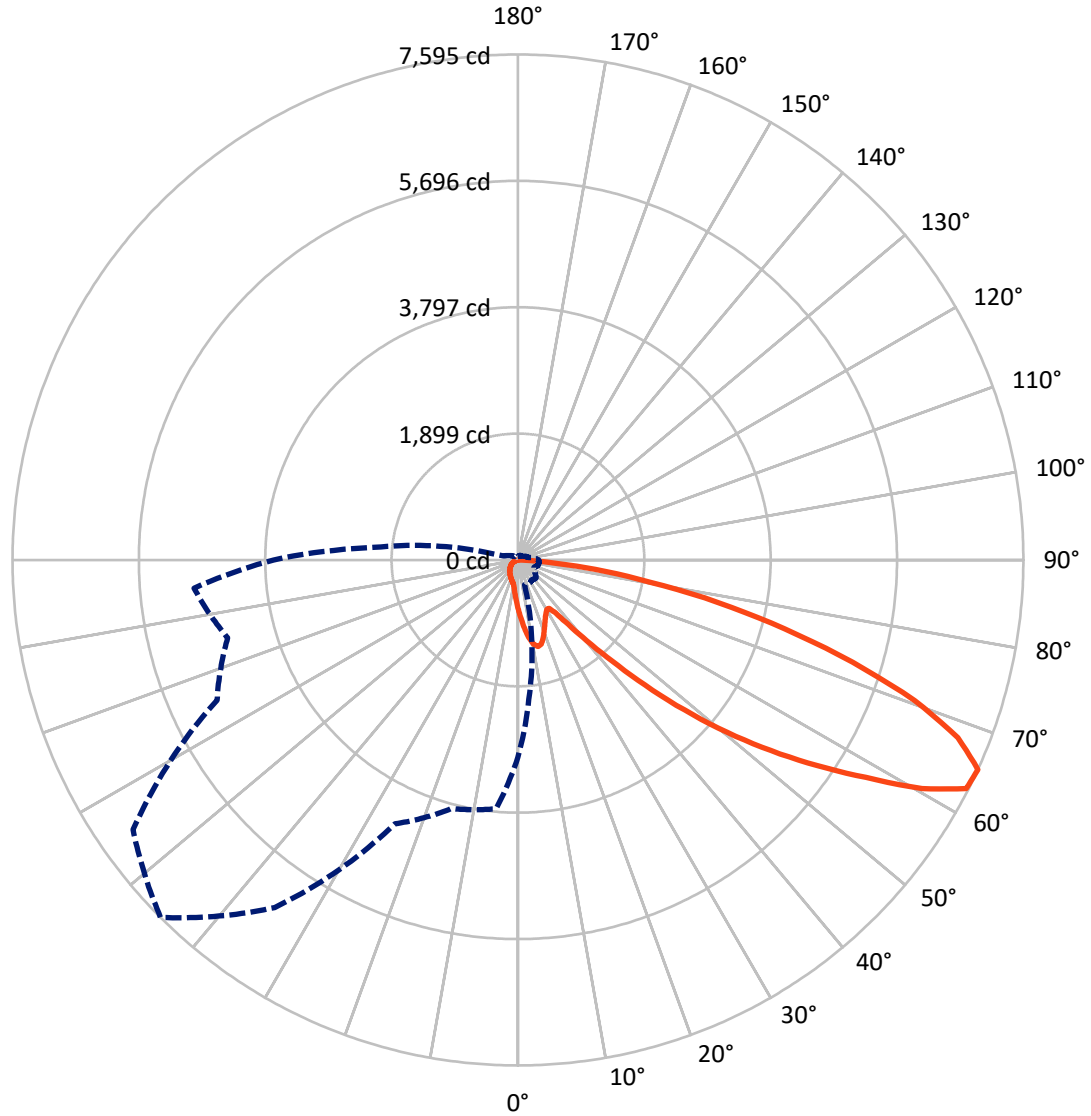
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	756.8	0.0	756.8
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	4647.2	0.0	4647.2
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	5404.0	0.0	5404.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.7	1.4
10°-20°	220.8	4.1
20°-30°	325.3	6.0
30°-40°	418.0	7.7
40°-50°	676.0	12.5
50°-60°	1185.4	21.9
60°-70°	1483.3	27.4
70°-80°	866.8	16.0
80°-90°	154.6	2.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5404.0	100.0
0°-180°	5404.0	100.0

**Coefficient of Utilization**



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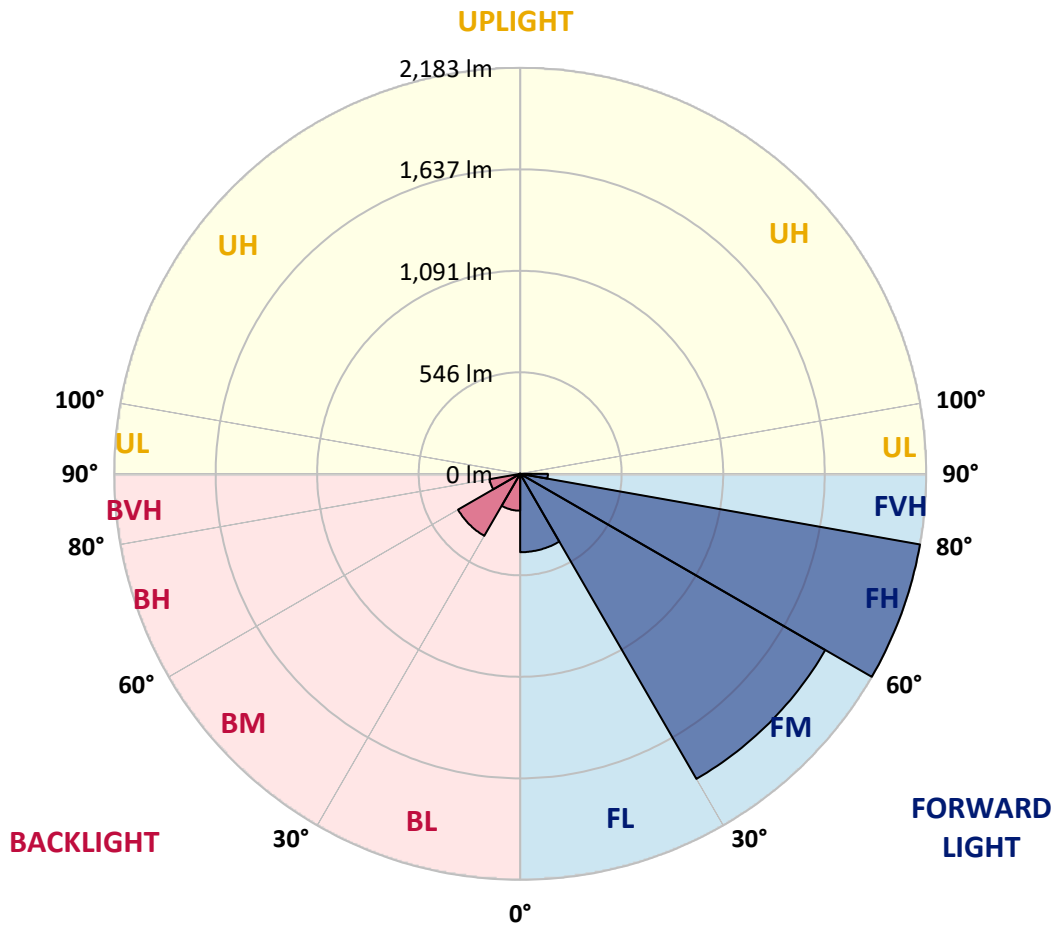
CATALOG NUMBER: GALN-SB1D-950-U-SLR-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.5	7.8			
FM (30°-60°)	1894.0	35.0			
FH (60°-80°)	2183.0	40.4			G2/5000
FVH (80°-90°)	148.7	2.8			G2/225
BL (0°-30°)	198.4	3.7	B1/500		
BM (30°-60°)	385.4	7.1	B1/1000		
BH (60°-80°)	167.1	3.1	B1/500		G1/500
BVH (80°-90°)	5.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
2.5°	845.4	830.9	822.4	801.1	779.9	762.8	739.7	724.5	706.2	688.7
5°	942.2	918.8	890.5	851.8	816.4	780.3	745.3	710.7	674.2	640.7
7.5°	1024.1	990.3	940.4	889.0	844.0	800.4	759.4	713.7	669.4	616.9
10°	1086.7	1043.5	978.0	910.6	858.8	814.9	775.1	736.4	691.7	628.4
12.5°	1124.7	1078.5	1000.7	921.8	862.6	813.4	782.5	765.4	747.9	685.0
15°	1152.6	1102.7	1016.7	929.6	854.0	793.7	771.0	788.1	808.2	768.0
17.5°	1181.6	1129.1	1037.5	932.9	830.9	755.4	745.7	790.0	836.5	834.6
20°	1209.2	1157.0	1055.8	930.7	793.7	708.8	717.4	774.0	827.9	850.7
22.5°	1240.8	1185.7	1073.3	922.1	745.3	665.3	692.1	748.7	795.9	822.7
25°	1279.5	1221.8	1097.9	909.5	693.2	629.2	666.4	719.2	757.6	776.2
27.5°	1321.2	1265.0	1130.6	902.8	651.1	603.5	637.3	684.2	718.5	731.5
30°	1373.0	1315.3	1169.3	895.3	623.6	588.6	607.2	643.7	677.2	690.2
32.5°	1429.6	1371.1	1206.6	877.5	606.8	577.4	577.8	600.9	631.4	647.0
35°	1500.3	1438.1	1246.4	838.4	593.4	564.4	549.1	560.3	585.6	604.2
37.5°	1601.2	1526.0	1295.2	782.5	573.7	544.3	519.0	521.6	540.9	561.4
40°	1740.4	1644.0	1352.5	724.5	545.4	516.0	485.8	484.7	498.9	519.0
42.5°	1928.8	1800.0	1421.4	669.0	518.2	481.7	450.8	449.0	460.1	477.6
45°	2177.5	1999.5	1505.9	621.3	497.0	448.2	417.7	417.0	426.3	441.5
47.5°	2495.8	2276.9	1590.4	588.9	485.8	421.8	390.5	392.0	400.2	414.0
50°	2907.9	2638.3	1616.1	572.6	485.8	407.6	366.3	373.8	380.5	390.9
52.5°	3401.9	2985.3	1531.2	557.7	488.8	409.5	345.8	361.9	366.7	375.6
55°	3859.8	3155.4	1316.4	537.2	489.5	421.0	328.4	352.2	361.1	364.5
57.5°	4125.6	3097.0	1064.3	502.6	486.6	428.9	317.2	340.3	357.4	359.6
60°	4075.0	2891.9	783.6	476.1	464.6	425.9	313.8	322.0	349.2	352.5
62.5°	3684.8	2547.9	543.9	455.7	416.2	412.9	312.7	293.4	331.3	339.5
65°	2961.9	2005.8	384.2	392.4	364.8	384.6	306.8	263.6	309.7	320.9
67.5°	2148.8	1357.3	277.3	317.9	330.6	338.8	293.4	242.0	285.2	300.1
70°	1378.9	733.0	194.7	210.0	278.5	287.8	270.3	222.6	260.2	277.3
72.5°	980.2	433.0	140.0	147.1	223.7	239.7	237.9	201.0	231.2	252.0
75°	676.4	238.6	94.6	105.0	162.3	194.7	183.5	172.7	195.8	217.0
77.5°	424.0	106.8	56.6	73.0	106.5	153.0	125.8	133.6	152.6	172.4
80°	236.0	41.3	31.6	48.4	58.1	111.3	69.6	86.0	112.4	126.6
82.5°	51.4	5.2	14.1	20.8	22.7	64.8	36.9	49.9	70.7	69.6
85°	0.0	0.0	2.6	3.0	1.5	27.9	13.4	16.4	23.1	21.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
748.3	0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
673.1	2.5°	670.1	651.9	638.5	631.8	626.2	631.4	634.4	634.4	647.0	654.5
620.2	5°	607.2	574.4	549.5	532.7	522.7	526.0	529.8	533.8	549.9	560.7
588.9	7.5°	563.6	513.4	475.4	451.9	439.7	441.5	444.1	447.5	463.1	473.9
593.4	10°	555.4	483.2	429.6	398.7	383.8	381.2	379.7	378.6	387.9	396.1
644.0	12.5°	588.9	484.7	409.9	372.3	354.0	346.2	337.3	330.2	331.7	336.9
720.7	15°	648.9	503.7	403.6	358.5	335.8	322.8	312.3	303.8	301.9	303.8
787.7	17.5°	717.4	529.4	402.8	346.6	318.3	304.9	296.3	288.5	285.9	286.3
825.3	20°	762.8	549.9	400.6	333.2	301.5	289.6	282.2	274.4	271.8	272.5
814.9	22.5°	767.3	560.7	397.2	318.3	284.8	274.7	267.3	260.2	259.9	259.9
775.8	25°	743.1	560.7	390.1	304.9	268.8	259.9	253.1	244.6	246.1	246.8
731.5	27.5°	705.5	547.3	376.7	294.1	255.0	245.7	239.0	231.2	233.0	234.2
690.2	30°	668.2	530.1	360.7	281.8	242.0	231.2	226.3	219.6	220.4	221.9
649.3	32.5°	633.6	511.9	341.8	271.8	229.0	218.2	214.4	207.0	208.1	209.6
609.0	35°	599.4	491.8	319.4	259.9	217.0	206.2	203.3	194.7	195.4	197.7
568.8	37.5°	562.5	470.6	301.2	247.9	205.5	194.3	191.4	182.4	183.2	185.8
527.1	40°	523.8	449.7	283.3	235.3	193.2	182.0	179.4	169.8	170.5	173.5
486.2	42.5°	484.7	427.0	269.5	218.9	180.6	168.6	166.0	157.1	158.2	161.6
450.5	45°	448.6	399.8	260.6	200.7	168.6	155.2	152.6	144.4	146.7	150.4
420.3	47.5°	417.7	371.9	256.9	185.4	156.0	141.5	139.2	132.5	136.3	140.3
394.6	50°	391.3	345.1	252.0	169.8	144.1	129.6	127.3	122.9	127.7	131.8
377.1	52.5°	372.3	314.6	241.6	155.6	133.6	119.5	118.8	116.5	121.0	124.7
364.1	55°	355.9	282.9	224.9	143.3	124.3	110.9	111.7	110.6	114.3	117.3
356.3	57.5°	341.0	255.4	203.6	133.6	114.3	103.5	105.7	104.2	106.1	108.0
348.1	60°	323.1	227.5	178.3	122.9	102.4	96.0	98.7	94.6	94.2	94.9
333.2	62.5°	296.7	189.9	151.9	109.5	92.0	87.9	89.0	81.2	75.2	75.2
311.2	65°	259.9	152.6	127.3	94.6	80.0	76.7	75.9	64.8	56.6	55.8
287.4	67.5°	217.0	125.5	105.7	79.7	66.6	64.4	65.1	57.0	48.8	48.0
263.6	70°	176.8	103.9	85.3	63.7	51.4	53.6	57.0	48.8	41.0	39.8
235.7	72.5°	143.7	82.6	66.6	48.8	38.0	44.3	48.4	39.8	32.4	31.6
201.0	75°	110.9	60.7	47.7	33.1	27.5	34.2	38.0	29.0	23.1	22.0
155.6	77.5°	74.1	37.6	26.8	20.8	16.4	23.5	25.3	15.3	13.4	13.0
113.2	80°	45.0	17.5	11.5	10.1	5.6	8.6	10.1	6.3	7.1	7.4
60.3	82.5°	22.7	4.8	1.9	0.4	0.0	0.0	3.0	1.5	3.0	3.7
16.4	85°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
748.3	0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
657.4	2.5°	678.3	693.9	708.8	732.6	757.2	781.4	806.0	829.8	838.4	844.7
567.7	5°	600.1	629.5	663.8	711.1	761.7	813.8	866.7	915.1	937.0	951.9
483.2	7.5°	519.3	557.7	606.8	677.9	757.2	840.2	923.3	999.6	1034.9	1063.6
403.6	10°	439.3	481.0	543.2	624.3	731.5	850.7	965.3	1070.3	1116.1	1152.2
346.2	12.5°	368.9	408.0	473.2	562.9	691.3	842.5	989.5	1115.7	1169.7	1210.3
305.3	15°	319.4	347.0	404.7	501.5	643.7	816.0	991.0	1137.3	1196.5	1238.9
288.1	17.5°	291.9	301.2	338.8	438.9	590.8	781.4	977.2	1144.8	1208.0	1247.5
272.9	20°	277.0	278.5	288.9	357.8	523.1	749.0	964.2	1152.2	1218.8	1252.0
262.1	22.5°	265.1	265.1	267.7	292.6	435.6	710.3	960.1	1165.2	1233.7	1254.2
249.8	25°	254.3	254.3	255.0	261.7	345.1	651.1	957.5	1185.3	1254.2	1259.8
237.5	27.5°	243.1	243.5	243.5	247.2	278.1	570.7	946.3	1211.4	1278.8	1267.2
225.6	30°	231.9	232.7	232.7	235.3	246.1	476.5	924.4	1242.7	1310.8	1276.9
213.7	32.5°	220.8	221.5	221.5	223.7	231.6	380.5	896.8	1271.3	1343.2	1281.0
202.1	35°	209.2	210.3	209.6	212.6	220.8	302.7	861.8	1300.0	1378.2	1294.0
191.0	37.5°	197.7	198.4	198.1	201.0	210.3	261.3	821.2	1321.6	1425.8	1323.1
179.1	40°	186.1	185.8	185.8	189.1	199.2	249.4	770.2	1355.8	1494.3	1374.1
167.2	42.5°	174.2	174.2	173.5	177.2	189.5	240.5	721.5	1417.3	1594.1	1455.2
156.0	45°	163.4	163.1	161.6	164.9	180.2	224.9	704.4	1531.9	1741.5	1586.7
144.8	47.5°	153.0	152.6	148.9	151.9	169.0	210.7	768.4	1719.6	1945.9	1779.9
135.9	50°	143.7	144.1	137.0	139.6	157.8	199.9	907.2	1963.0	2217.3	2040.1
128.4	52.5°	135.1	135.1	125.8	127.3	144.1	190.2	1039.4	2227.0	2575.4	2403.1
120.6	55°	126.6	125.8	115.4	116.2	130.3	176.5	1059.1	2484.6	3063.9	2949.2
112.1	57.5°	116.9	115.4	105.7	105.7	117.6	166.4	918.0	2682.6	3669.9	3751.8
96.0	60°	105.0	103.9	97.5	95.7	107.6	175.3	647.8	2705.7	4060.8	4819.2
76.3	62.5°	89.7	91.2	87.9	85.3	97.9	182.0	383.8	2520.0	3966.3	5158.7
59.2	65°	70.7	76.7	75.9	74.1	107.6	153.4	226.7	2163.3	3676.3	4884.7
51.7	67.5°	60.3	64.4	63.3	63.3	112.8	116.5	142.6	1690.1	3277.2	4559.7
43.2	70°	51.4	55.5	51.4	51.4	85.3	70.7	98.7	1180.1	2846.4	4200.1
34.6	72.5°	42.4	46.5	42.1	39.1	68.1	52.9	72.2	737.5	2437.7	3825.5
24.6	75°	32.4	37.2	33.9	30.2	45.0	39.5	54.7	428.5	2019.6	3273.1
14.9	77.5°	20.5	26.8	25.3	21.2	33.1	28.7	39.5	255.0	1558.4	2557.6
8.9	80°	12.7	13.8	14.1	13.4	19.0	19.4	26.8	145.2	1066.6	1782.5
5.6	82.5°	8.2	8.2	6.3	7.1	9.3	11.2	15.3	54.7	626.9	1085.2
3.4	85°	6.0	5.2	3.4	3.4	4.5	5.6	6.0	16.8	254.3	428.5
1.5	87.5°	3.0	2.6	1.1	1.5	2.2	1.9	1.5	0.7	64.0	137.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
748.3	0°	748.3	748.3	748.3	748.3	748.3	748.3	748.3	748.3
858.8	2.5°	866.3	877.8	878.6	878.6	868.5	868.2	847.7	845.4
985.4	5°	1020.0	1027.5	1029.4	1025.6	1005.5	990.6	950.8	942.2
1114.6	7.5°	1160.8	1175.7	1175.7	1166.7	1134.0	1103.4	1045.7	1024.1
1221.4	10°	1273.2	1290.3	1286.6	1268.4	1227.0	1185.0	1115.0	1086.7
1286.2	12.5°	1327.9	1345.4	1335.7	1314.9	1274.7	1230.4	1156.7	1124.7
1304.8	15°	1326.8	1322.0	1311.9	1309.3	1289.9	1256.4	1187.6	1152.6
1293.3	17.5°	1279.5	1238.6	1230.8	1256.8	1281.4	1273.2	1214.4	1181.6
1265.7	20°	1204.7	1133.2	1126.1	1176.0	1246.0	1281.8	1239.3	1209.2
1225.9	22.5°	1125.8	1048.7	1032.3	1087.4	1192.8	1284.4	1271.0	1240.8
1182.0	25°	1050.9	973.5	957.1	1008.5	1133.6	1279.9	1305.2	1279.5
1139.9	27.5°	988.4	913.6	898.3	949.7	1076.6	1267.2	1339.5	1321.2
1098.2	30°	940.0	870.8	859.6	909.1	1027.5	1251.6	1383.0	1373.0
1059.5	32.5°	911.7	861.1	865.2	905.8	1001.1	1234.5	1424.7	1429.6
1040.5	35°	939.6	941.9	977.6	994.4	1025.6	1231.9	1481.3	1500.3
1063.2	37.5°	1078.5	1155.9	1230.0	1216.2	1145.9	1262.0	1565.8	1601.2
1162.3	40°	1314.9	1473.9	1594.1	1541.6	1364.4	1354.4	1687.5	1740.4
1338.0	42.5°	1603.8	1873.3	2071.4	1930.6	1646.2	1515.9	1861.4	1928.8
1550.5	45°	1908.7	2365.8	2677.8	2385.2	1946.6	1742.3	2124.6	2177.5
1749.7	47.5°	2230.0	2964.5	3368.0	2889.3	2225.1	1999.9	2483.5	2495.8
1938.5	50°	2581.4	3620.8	4071.6	3393.0	2493.9	2295.1	2922.0	2907.9
2158.5	52.5°	2916.1	4295.7	4760.3	3898.9	2729.9	2661.4	3430.9	3401.9
2459.3	55°	3235.5	4970.3	5453.1	4385.1	2952.5	3145.4	4035.5	3859.8
2893.0	57.5°	3605.9	5576.7	6167.2	4873.5	3263.8	3773.8	4711.6	4125.6
3723.5	60°	4153.5	6265.8	6974.6	5542.9	3855.7	4434.2	4953.9	4075.0
4718.3	62.5°	4852.7	6899.4	7561.7	6198.8	4450.2	4558.6	4596.9	3684.8
4515.4	65°	4988.5	7059.9	7594.9	6374.2	4373.5	3866.9	3752.9	2961.9
4033.3	67.5°	4628.2	6769.9	7131.8	6047.7	3868.7	2988.3	2816.3	2148.8
3716.8	70°	4223.9	6217.1	6324.7	5492.6	3402.6	2197.9	1902.0	1378.9
3500.2	72.5°	3809.5	5479.6	5257.0	4770.0	2990.5	1600.4	1371.8	980.2
3191.5	75°	3317.4	4509.8	4140.9	3963.3	2476.0	1256.1	992.5	676.4
2745.2	77.5°	2656.6	3174.4	3075.8	3072.0	1860.7	917.7	662.3	424.0
2144.7	80°	1874.1	2060.2	2009.9	2313.7	1248.3	665.6	398.7	236.0
1492.8	82.5°	907.2	1139.2	1169.3	1377.8	607.2	391.6	92.0	51.4
583.7	85°	355.2	549.5	463.5	523.1	170.5	109.1	2.2	0.0
96.0	87.5°	39.8	63.7	58.4	46.2	20.8	4.5	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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