

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: P947676

Luminaire Tested: **GALN-SB2D-950-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947676  
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-SB2D-950-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

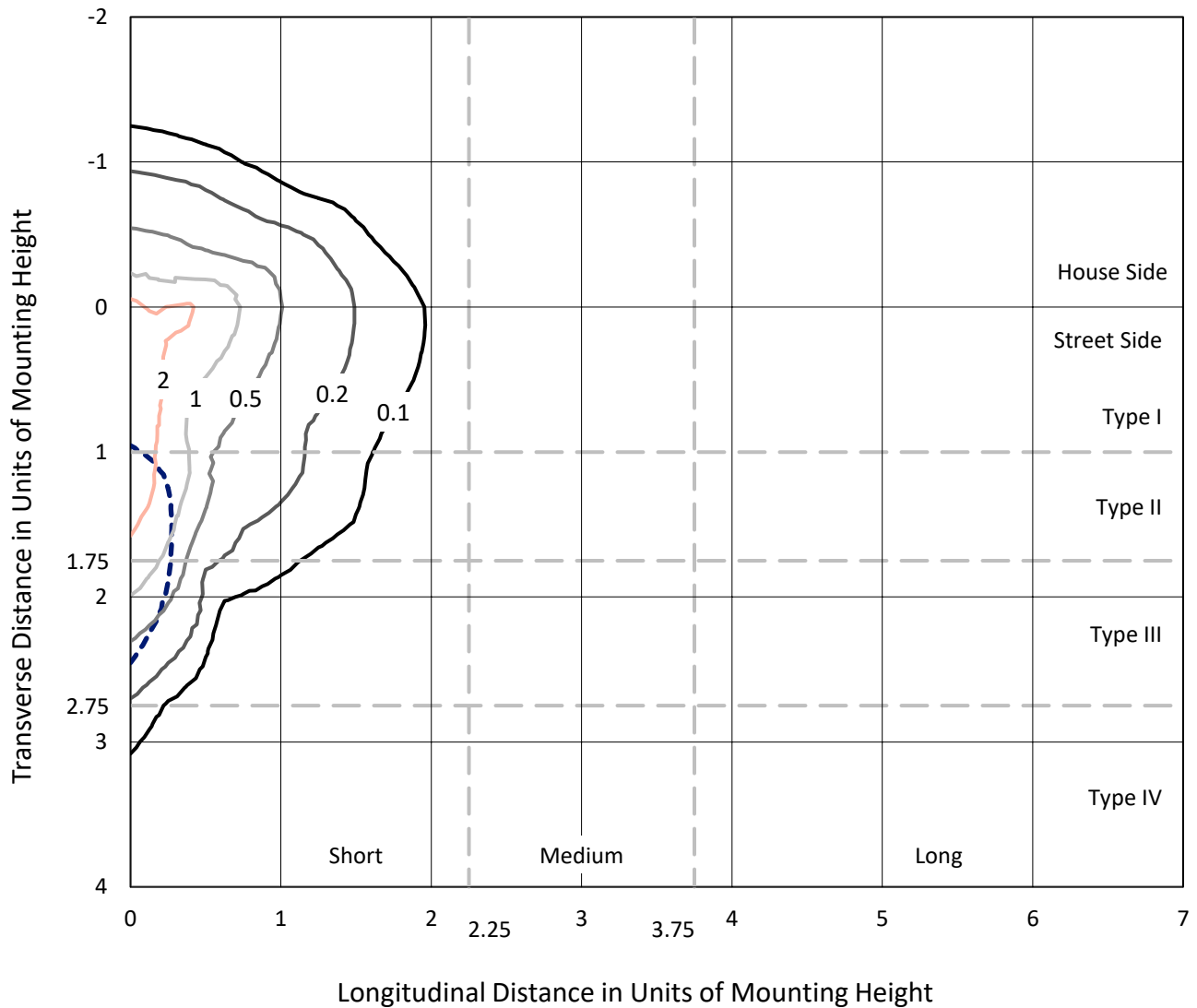
Lumens per Lamp: N/A  
Luminaire Lumens: 10804 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

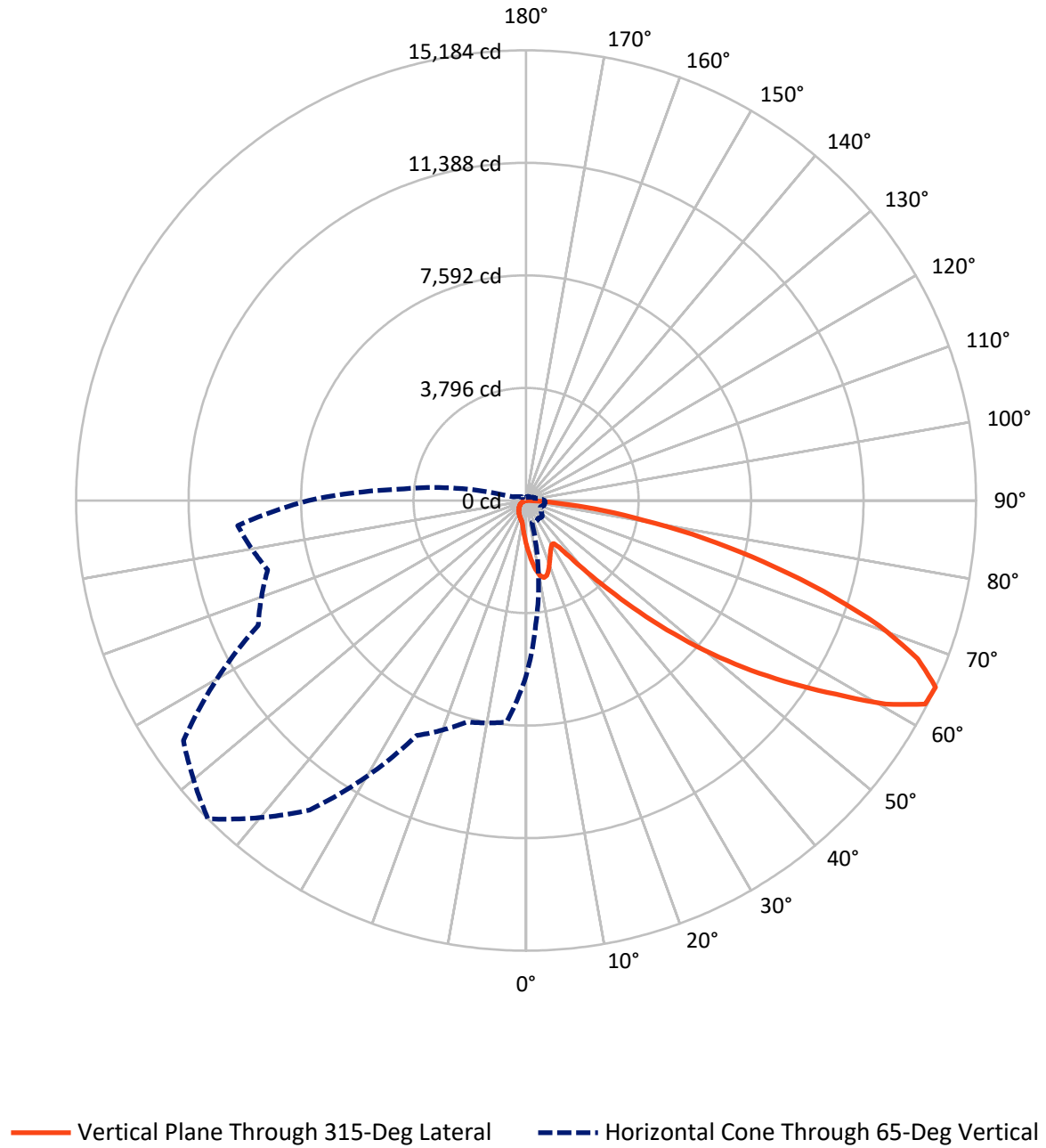
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1513.0	0.0	1513.0
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	9291.0	0.0	9291.0
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	10804.0	0.0	10804.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.3	1.4
10°-20°	441.5	4.1
20°-30°	650.5	6.0
30°-40°	835.7	7.7
40°-50°	1351.5	12.5
50°-60°	2370.0	21.9
60°-70°	2965.5	27.4
70°-80°	1732.9	16.0
80°-90°	309.2	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°	10804.0	100.0
0°-180°	10804.0	100.0

**Coefficient of Utilization**



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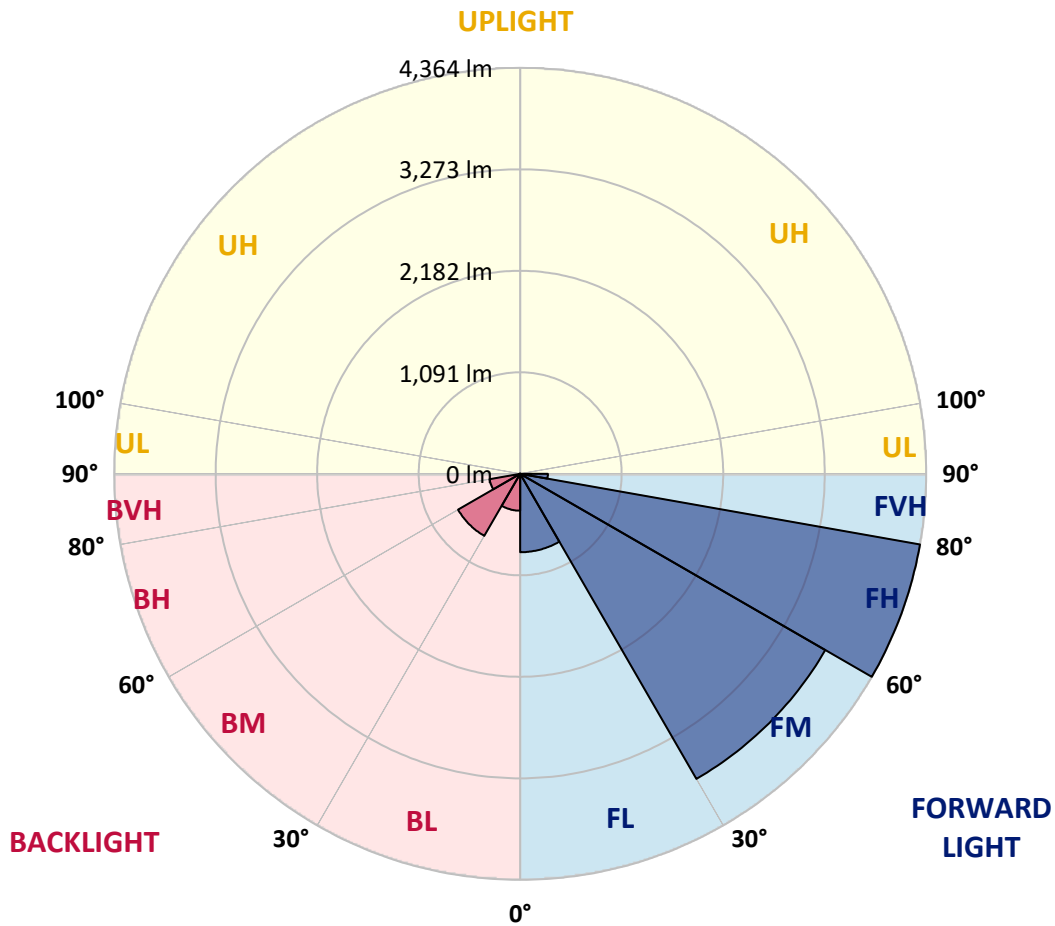
CATALOG NUMBER: GALN-SB2D-950-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	842.7	7.8			
FM (30°-60°)	3786.7	35.0			
FH (60°-80°)	4364.3	40.4			G2/5000
FVH (80°-90°)	297.3	2.8			G3/500
BL (0°-30°)	396.6	3.7	B1/500		
BM (30°-60°)	770.5	7.1	B1/1000		
BH (60°-80°)	334.1	3.1	B1/500		G1/500
BVH (80°-90°)	11.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0
2.5°	1690.3	1661.2	1644.1	1601.7	1559.3	1525.0	1478.9	1448.4	1411.9	1376.9
5°	1883.8	1836.9	1780.3	1702.9	1632.2	1560.0	1490.1	1420.8	1347.9	1280.9
7.5°	2047.5	1979.8	1880.1	1777.3	1687.3	1600.2	1518.3	1426.8	1338.2	1233.3
10°	2172.6	2086.2	1955.2	1820.5	1717.1	1629.2	1549.6	1472.2	1382.9	1256.3
12.5°	2248.5	2156.2	2000.6	1842.8	1724.5	1626.3	1564.5	1530.2	1495.3	1369.5
15°	2304.3	2204.6	2032.6	1858.5	1707.4	1586.8	1541.4	1575.6	1615.8	1535.5
17.5°	2362.4	2257.4	2074.3	1865.2	1661.2	1510.1	1490.8	1579.4	1672.4	1668.7
20°	2417.4	2313.2	2110.8	1860.7	1586.8	1417.1	1434.2	1547.4	1655.3	1700.7
22.5°	2480.7	2370.5	2145.8	1843.6	1490.1	1330.0	1383.6	1496.8	1591.3	1644.9
25°	2558.1	2442.7	2194.9	1818.3	1385.9	1257.8	1332.3	1438.0	1514.6	1551.8
27.5°	2641.5	2529.1	2260.4	1804.9	1301.8	1206.5	1274.2	1368.0	1436.5	1462.5
30°	2744.9	2629.6	2337.8	1790.0	1246.7	1176.7	1213.9	1286.9	1353.9	1379.9
32.5°	2858.0	2741.2	2412.2	1754.3	1213.2	1154.4	1155.1	1201.3	1262.3	1293.6
35°	2999.5	2875.2	2491.9	1676.1	1186.4	1128.3	1097.8	1120.1	1170.8	1208.0
37.5°	3201.2	3050.8	2589.4	1564.5	1146.9	1088.1	1037.5	1042.7	1081.4	1122.4
40°	3479.5	3286.8	2704.0	1448.4	1090.4	1031.6	971.3	969.1	997.3	1037.5
42.5°	3856.1	3598.6	2841.7	1337.5	1036.0	963.1	901.3	897.6	919.9	954.9
45°	4353.3	3997.5	3010.6	1242.2	993.6	896.1	835.1	833.6	852.2	882.7
47.5°	4989.7	4552.0	3179.6	1177.5	971.3	843.3	780.8	783.7	800.1	827.6
50°	5813.6	5274.7	3230.9	1144.7	971.3	815.0	732.4	747.3	760.7	781.5
52.5°	6801.3	5968.4	3061.2	1114.9	977.2	818.7	691.4	723.4	733.1	751.0
55°	7716.7	6308.5	2631.8	1074.0	978.7	841.8	656.5	704.1	722.0	728.7
57.5°	8248.1	6191.7	2127.9	1004.8	972.8	857.4	634.1	680.3	714.5	719.0
60°	8146.9	5781.6	1566.7	951.9	928.9	851.5	627.4	643.8	698.1	704.8
62.5°	7366.9	5093.9	1087.4	911.0	832.1	825.4	625.2	586.5	662.4	678.8
65°	5921.5	4010.2	768.1	784.5	729.4	768.8	613.3	527.0	619.2	641.6
67.5°	4296.0	2713.7	554.5	635.6	660.9	677.3	586.5	483.8	570.1	599.9
70°	2756.8	1465.5	389.3	419.8	556.7	575.3	540.3	445.1	520.3	554.5
72.5°	1959.7	865.6	279.9	294.0	447.3	479.3	475.6	401.9	462.2	503.9
75°	1352.4	477.1	189.0	209.9	324.5	389.3	366.9	345.3	391.5	433.9
77.5°	847.7	213.6	113.1	145.9	212.9	305.9	251.6	267.2	305.2	344.6
80°	471.9	82.6	63.3	96.8	116.1	222.5	139.2	171.9	224.8	253.1
82.5°	102.7	10.4	28.3	41.7	45.4	129.5	73.7	99.7	141.4	139.2
85°	0.0	0.0	5.2	6.0	3.0	55.8	26.8	32.7	46.1	43.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°
1496.0	0°	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0
1345.7	2.5°	1339.7	1303.2	1276.4	1263.0	1251.9	1262.3	1268.3	1268.3	1293.6	1308.4
1240.0	5°	1213.9	1148.4	1098.6	1065.1	1045.0	1051.7	1059.1	1067.3	1099.3	1120.9
1177.5	7.5°	1126.8	1026.4	950.4	903.6	879.0	882.7	887.9	894.6	925.9	947.5
1186.4	10°	1110.5	966.1	858.9	797.1	767.4	762.1	759.2	756.9	775.5	791.9
1287.6	12.5°	1177.5	969.1	819.5	744.3	707.8	692.2	674.3	660.2	663.2	673.6
1440.9	15°	1297.3	1007.0	806.8	716.7	671.3	645.3	624.5	607.3	603.6	607.3
1574.9	17.5°	1434.2	1058.4	805.3	692.9	636.4	609.6	592.4	576.8	571.6	572.4
1650.1	20°	1525.0	1099.3	800.8	666.1	602.9	579.1	564.2	548.5	543.3	544.8
1629.2	22.5°	1534.0	1120.9	794.1	636.4	569.4	549.3	534.4	520.3	519.5	519.5
1551.1	25°	1485.6	1120.9	780.0	609.6	537.4	519.5	506.1	489.0	492.0	493.5
1462.5	27.5°	1410.4	1094.1	753.2	588.0	509.8	491.2	477.8	462.2	465.9	468.2
1379.9	30°	1336.0	1059.9	721.2	563.4	483.8	462.2	452.5	439.1	440.6	443.6
1298.0	32.5°	1266.8	1023.4	683.3	543.3	457.7	436.1	428.7	413.8	416.1	419.0
1217.6	35°	1198.3	983.2	638.6	519.5	433.9	412.3	406.4	389.3	390.7	395.2
1137.3	37.5°	1124.6	940.8	602.1	495.7	410.8	388.5	382.6	364.7	366.2	371.4
1053.9	40°	1047.2	899.1	566.4	470.4	386.3	364.0	358.7	339.4	340.9	346.8
972.0	42.5°	969.1	853.7	538.9	437.6	361.0	337.2	332.0	314.1	316.3	323.0
900.6	45°	896.9	799.4	521.0	401.2	337.2	310.4	305.2	288.8	293.2	300.7
840.3	47.5°	835.1	743.5	513.6	370.7	311.9	282.8	278.4	265.0	272.4	280.6
788.9	50°	782.2	690.0	503.9	339.4	288.0	259.0	254.5	245.6	255.3	263.5
754.0	52.5°	744.3	628.9	483.0	311.1	267.2	238.9	237.4	233.0	241.9	249.3
727.9	55°	711.5	565.7	449.5	286.5	248.6	221.8	223.3	221.1	228.5	234.4
712.3	57.5°	681.8	510.6	407.1	267.2	228.5	206.9	211.4	208.4	212.1	215.8
695.9	60°	646.0	454.8	356.5	245.6	204.7	192.0	197.2	189.0	188.3	189.8
666.1	62.5°	593.2	379.6	303.7	218.8	183.8	175.7	177.9	162.3	150.3	150.3
622.2	65°	519.5	305.2	254.5	189.0	160.0	153.3	151.8	129.5	113.1	111.6
574.6	67.5°	433.9	250.8	211.4	159.3	133.2	128.8	130.2	113.9	97.5	96.0
527.0	70°	353.5	207.7	170.4	127.3	102.7	107.2	113.9	97.5	81.9	79.6
471.1	72.5°	287.3	165.2	133.2	97.5	75.9	88.6	96.8	79.6	64.8	63.3
401.9	75°	221.8	121.3	95.3	66.2	55.1	68.5	75.9	58.1	46.1	43.9
311.1	77.5°	148.1	75.2	53.6	41.7	32.7	46.9	50.6	30.5	26.8	26.0
226.3	80°	90.1	35.0	23.1	20.1	11.2	17.1	20.1	12.7	14.1	14.9
120.6	82.5°	45.4	9.7	3.7	0.7	0.0	0.0	6.0	3.0	6.0	7.4
32.7	85°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.7
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°
1496.0	0°	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0
1314.4	2.5°	1356.1	1387.3	1417.1	1464.7	1513.9	1562.2	1611.4	1659.0	1676.1	1688.8
1135.0	5°	1199.8	1258.6	1327.1	1421.6	1522.8	1627.0	1732.7	1829.4	1873.4	1903.1
966.1	7.5°	1038.3	1114.9	1213.2	1355.3	1513.9	1679.8	1845.8	1998.4	2069.1	2126.4
806.8	10°	878.3	961.6	1085.9	1248.2	1462.5	1700.7	1929.9	2139.8	2231.4	2303.6
692.2	12.5°	737.6	815.7	946.0	1125.4	1382.1	1684.3	1978.3	2230.6	2338.5	2419.7
610.3	15°	638.6	693.7	809.0	1002.5	1286.9	1631.5	1981.3	2273.8	2392.1	2477.0
576.1	17.5°	583.5	602.1	677.3	877.5	1181.2	1562.2	1953.7	2288.7	2415.2	2494.1
545.6	20°	553.7	556.7	577.6	715.3	1045.7	1497.5	1927.7	2303.6	2436.8	2503.0
524.0	22.5°	529.9	529.9	535.1	585.0	870.8	1420.1	1919.5	2329.6	2466.6	2507.5
499.4	25°	508.3	508.3	509.8	523.2	690.0	1301.8	1914.3	2369.8	2507.5	2518.7
474.9	27.5°	486.0	486.8	486.8	494.2	556.0	1141.0	1892.0	2421.9	2556.6	2533.5
451.0	30°	463.7	465.2	465.2	470.4	492.0	952.7	1848.1	2484.4	2620.6	2552.9
427.2	32.5°	441.4	442.8	442.8	447.3	462.9	760.7	1793.0	2541.7	2685.4	2561.1
404.1	35°	418.3	420.5	419.0	425.0	441.4	605.1	1723.0	2599.0	2755.3	2587.1
381.8	37.5°	395.2	396.7	396.0	401.9	420.5	522.5	1641.9	2642.2	2850.6	2645.2
358.0	40°	372.1	371.4	371.4	378.1	398.2	498.7	1539.9	2710.7	2987.6	2747.1
334.2	42.5°	348.3	348.3	346.8	354.3	378.8	480.8	1442.4	2833.5	3187.0	2909.4
311.9	45°	326.7	326.0	323.0	329.7	360.2	449.5	1408.2	3062.7	3481.8	3172.1
289.5	47.5°	305.9	305.2	297.7	303.7	337.9	421.3	1536.2	3437.8	3890.4	3558.4
271.7	50°	287.3	288.0	273.9	279.1	315.6	399.7	1813.8	3924.6	4432.9	4078.7
256.8	52.5°	270.2	270.2	251.6	254.5	288.0	380.3	2078.0	4452.3	5148.9	4804.3
241.1	55°	253.1	251.6	230.7	232.2	260.5	352.8	2117.5	4967.3	6125.4	5896.2
224.0	57.5°	233.7	230.7	211.4	211.4	235.2	332.7	1835.4	5363.3	7337.1	7500.9
192.0	60°	209.9	207.7	195.0	191.3	215.1	350.6	1295.1	5409.4	8118.6	9634.7
152.6	62.5°	179.4	182.3	175.7	170.4	195.7	364.0	767.4	5038.0	7929.6	10313.5
118.3	65°	141.4	153.3	151.8	148.1	215.1	306.6	453.3	4325.0	7349.8	9765.7
103.5	67.5°	120.6	128.8	126.5	126.5	225.5	233.0	285.1	3379.0	6551.9	9116.0
86.3	70°	102.7	110.9	102.7	102.7	170.4	141.4	197.2	2359.4	5690.8	8397.0
69.2	72.5°	84.8	93.0	84.1	78.1	136.2	105.7	144.4	1474.4	4873.6	7648.2
49.1	75°	64.8	74.4	67.7	60.3	90.1	78.9	109.4	856.7	4037.7	6543.7
29.8	77.5°	40.9	53.6	50.6	42.4	66.2	57.3	78.9	509.8	3115.6	5113.2
17.9	80°	25.3	27.5	28.3	26.8	38.0	38.7	53.6	290.3	2132.4	3563.6
11.2	82.5°	16.4	16.4	12.7	14.1	18.6	22.3	30.5	109.4	1253.4	2169.6
6.7	85°	11.9	10.4	6.7	6.7	8.9	11.2	11.9	33.5	508.3	856.7
3.0	87.5°	6.0	5.2	2.2	3.0	4.5	3.7	3.0	1.5	128.0	273.9
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°
1496.0	0°	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0
1717.1	2.5°	1731.9	1755.0	1756.5	1756.5	1736.4	1735.7	1694.7	1690.3
1970.1	5°	2039.3	2054.2	2057.9	2050.5	2010.3	1980.5	1900.9	1883.8
2228.4	7.5°	2320.7	2350.4	2350.4	2332.6	2267.1	2206.1	2090.7	2047.5
2442.0	10°	2545.4	2579.7	2572.2	2535.8	2453.2	2369.1	2229.1	2172.6
2571.5	12.5°	2654.9	2689.8	2670.5	2628.8	2548.4	2459.9	2312.5	2248.5
2608.7	15°	2652.6	2642.9	2622.9	2617.6	2578.9	2512.0	2374.3	2304.3
2585.6	17.5°	2558.1	2476.2	2460.6	2512.7	2561.8	2545.4	2427.9	2362.4
2530.6	20°	2408.5	2265.6	2251.5	2351.2	2491.1	2562.6	2477.7	2417.4
2450.9	22.5°	2250.7	2096.6	2063.9	2174.0	2384.7	2567.8	2541.0	2480.7
2363.1	25°	2101.1	1946.3	1913.6	2016.3	2266.3	2558.8	2609.5	2558.1
2279.0	27.5°	1976.1	1826.5	1796.0	1898.7	2152.5	2533.5	2677.9	2641.5
2195.6	30°	1879.3	1740.9	1718.5	1817.5	2054.2	2502.3	2765.0	2744.9
2118.2	32.5°	1822.7	1721.5	1729.7	1810.8	2001.4	2468.0	2848.4	2858.0
2080.3	35°	1878.6	1883.0	1954.5	1988.0	2050.5	2462.8	2961.5	2999.5
2125.7	37.5°	2156.2	2311.0	2459.1	2431.6	2290.9	2523.1	3130.5	3201.2
2323.7	40°	2628.8	2946.6	3187.0	3082.1	2727.8	2707.7	3373.8	3479.5
2675.0	42.5°	3206.4	3745.2	4141.2	3859.9	3291.2	3030.7	3721.4	3856.1
3099.9	45°	3815.9	4729.9	5353.6	4768.6	3891.9	3483.2	4247.6	4353.3
3498.1	47.5°	4458.3	5926.7	6733.5	5776.4	4448.6	3998.3	4965.1	4989.7
3875.5	50°	5160.9	7238.9	8140.2	6783.4	4986.0	4588.5	5841.9	5813.6
4315.4	52.5°	5830.0	8588.3	9517.1	7794.9	5457.8	5320.9	6859.3	6801.3
4916.7	55°	6468.6	9936.9	10902.3	8766.9	5902.9	6288.4	8068.0	7716.7
5783.8	57.5°	7209.1	11149.4	12329.8	9743.4	6525.1	7544.8	9419.6	8248.1
7444.3	60°	8304.0	12527.0	13944.1	11081.6	7708.5	8865.2	9904.2	8146.9
9433.0	62.5°	9701.7	13793.8	15117.9	12393.1	8897.2	9113.7	9190.4	7366.9
9027.4	65°	9973.4	14114.6	15184.1	12743.6	8743.8	7730.9	7503.1	5921.5
8063.6	67.5°	9252.9	13534.8	14258.2	12090.9	7734.6	5974.4	5630.5	4296.0
7430.9	70°	8444.6	12429.5	12644.6	10981.1	6802.7	4394.2	3802.5	2756.8
6997.7	72.5°	7616.2	10955.1	10510.0	9536.5	5978.8	3199.7	2742.7	1959.7
6380.7	75°	6632.3	9016.2	8278.7	7923.6	4950.2	2511.2	1984.3	1352.4
5488.3	77.5°	5311.2	6346.5	6149.3	6141.8	3719.9	1834.7	1324.1	847.7
4287.8	80°	3746.7	4118.9	4018.4	4625.7	2495.6	1330.8	797.1	471.9
2984.6	82.5°	1813.8	2277.5	2337.8	2754.6	1213.9	783.0	183.8	102.7
1167.0	85°	710.0	1098.6	926.6	1045.7	340.9	218.1	4.5	0.0
192.0	87.5°	79.6	127.3	116.9	92.3	41.7	8.9	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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