

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: P947884

Luminaire Tested: **GALN-SB3A-835-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947884  
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-SB3A-835-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

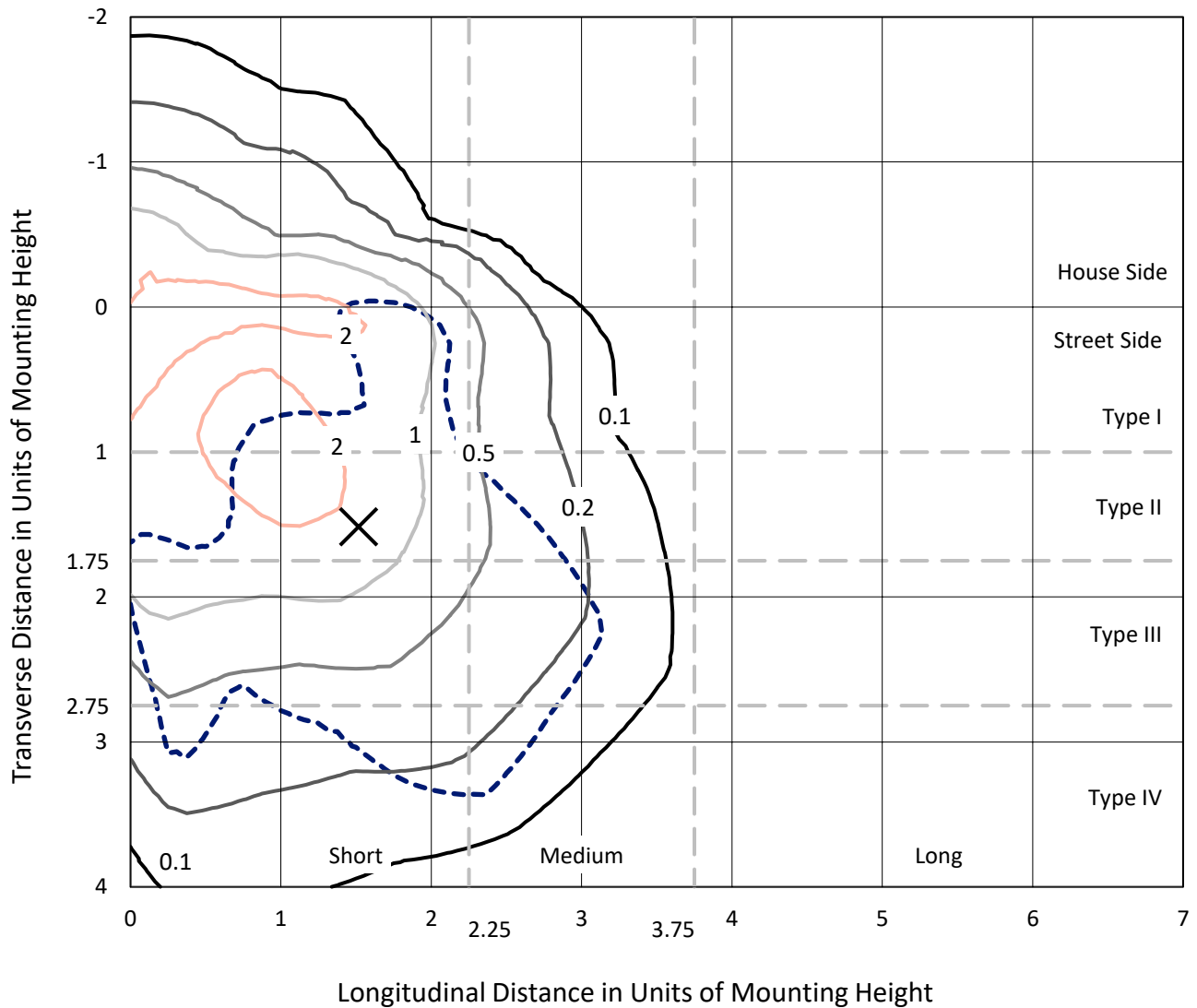
Lumens per Lamp: N/A  
Luminaire Lumens: 9527 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

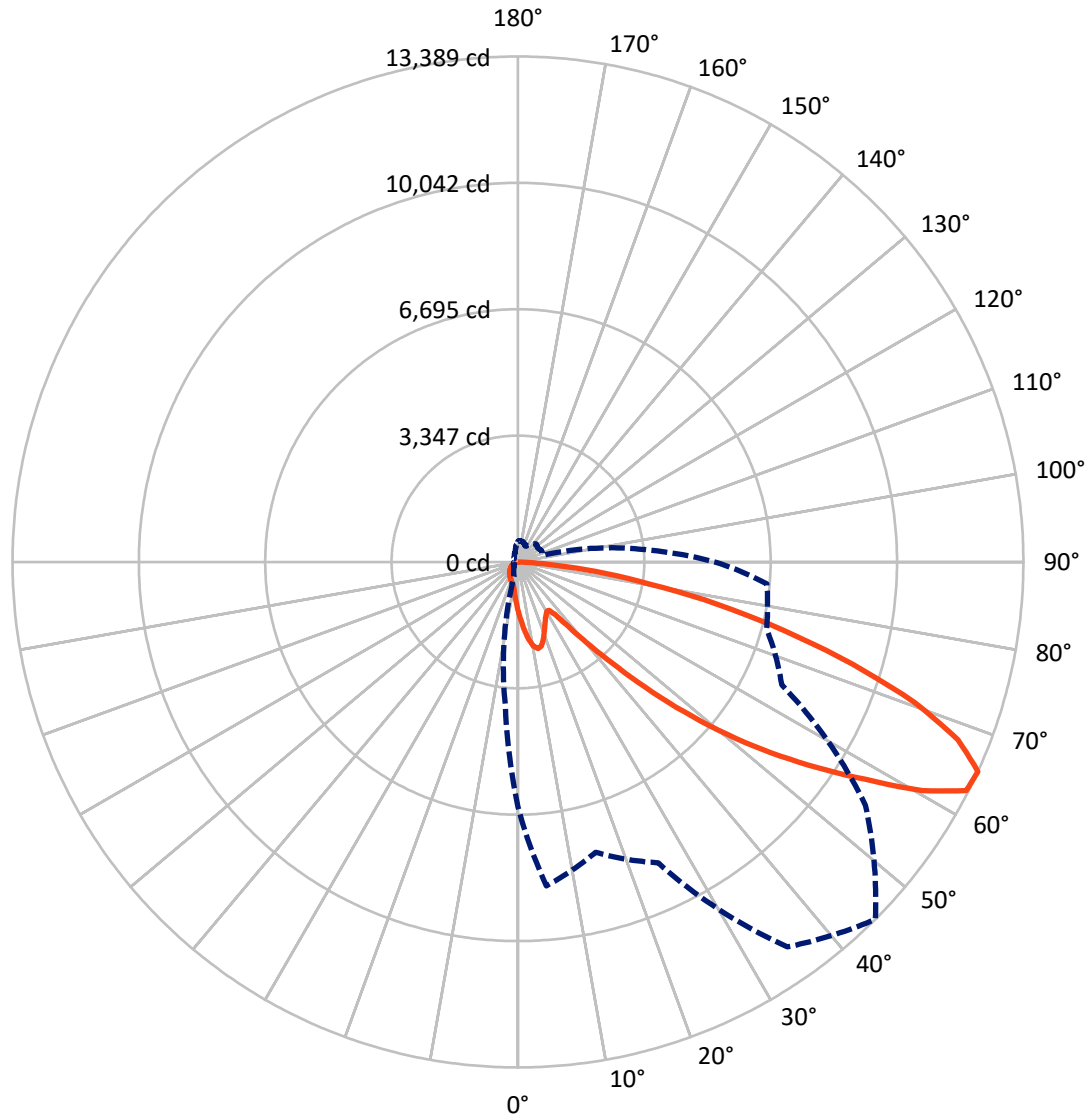
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1893.7	0.0	1893.7
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	7633.3	0.0	7633.3
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	9527.0	0.0	9527.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.9	1.4
10°-20°	389.3	4.1
20°-30°	573.6	6.0
30°-40°	736.9	7.7
40°-50°	1191.8	12.5
50°-60°	2089.9	21.9
60°-70°	2615.0	27.4
70°-80°	1528.1	16.0
80°-90°	272.6	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°	9527.0	100.0
0°-180°	9527.0	100.0

**Coefficient of Utilization**



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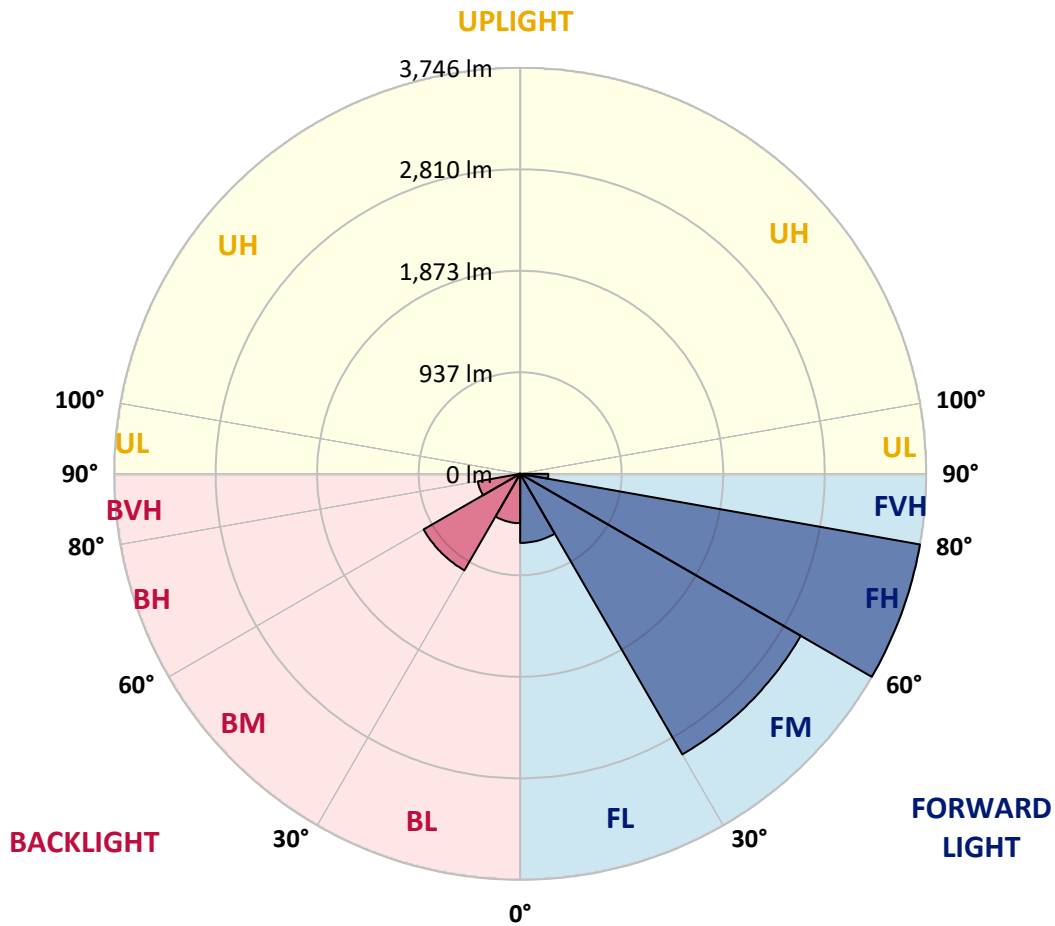
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.5	6.7			
FM (30°-60°)	2989.7	31.4			
FH (60°-80°)	3746.3	39.3			G2/5000
FVH (80°-90°)	259.9	2.7			G3/500
BL (0°-30°)	455.3	4.8	B1/500		
BM (30°-60°)	1028.8	10.8	B2/2500		
BH (60°-80°)	396.8	4.2	B1/500		G1/500
BVH (80°-90°)	12.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2
2.5°	1478.0	1489.2	1514.1	1527.2	1547.6	1548.9	1548.9	1531.2	1530.5	1494.4
5°	1651.9	1678.2	1737.3	1798.3	1811.4	1814.7	1808.1	1772.7	1746.4	1676.2
7.5°	1824.5	1875.1	1965.0	2046.4	2072.6	2072.6	2056.9	1999.1	1945.3	1843.6
10°	1967.6	2031.3	2153.4	2244.6	2274.8	2268.2	2236.1	2163.2	2089.0	1965.7
12.5°	2062.1	2133.7	2267.6	2341.1	2371.9	2354.8	2318.1	2247.2	2169.1	2039.2
15°	2109.4	2184.2	2300.4	2339.1	2330.6	2312.8	2308.2	2274.1	2215.0	2093.6
17.5°	2129.7	2199.3	2280.0	2255.7	2183.5	2169.8	2215.7	2259.0	2244.6	2140.9
20°	2148.8	2207.2	2231.5	2123.8	1997.8	1985.3	2073.3	2196.7	2259.7	2184.9
22.5°	2175.0	2211.1	2161.2	1984.7	1848.8	1819.9	1917.1	2102.8	2264.3	2240.6
25°	2211.1	2221.0	2083.8	1852.8	1716.3	1687.4	1777.9	1998.5	2256.4	2301.0
27.5°	2254.4	2234.1	2009.6	1742.5	1610.6	1583.7	1674.2	1898.1	2234.1	2361.4
30°	2310.9	2251.1	1936.1	1657.2	1535.1	1515.4	1602.7	1811.4	2206.5	2438.2
32.5°	2368.0	2258.4	1867.9	1607.3	1518.0	1525.3	1596.8	1764.8	2176.3	2511.7
35°	2429.7	2281.3	1834.4	1656.5	1660.5	1723.5	1753.0	1808.1	2171.7	2611.5
37.5°	2513.7	2332.5	1874.4	1901.3	2037.8	2168.5	2144.2	2020.1	2224.9	2760.4
40°	2634.4	2422.4	2049.0	2318.1	2598.3	2810.3	2717.8	2405.4	2387.7	2975.1
42.5°	2810.3	2565.5	2358.8	2827.4	3302.6	3651.7	3403.6	2902.2	2672.5	3281.6
45°	3070.2	2797.2	2733.5	3364.9	4170.9	4720.8	4205.0	3431.8	3071.5	3745.6
47.5°	3430.5	3137.8	3084.7	3931.3	5226.2	5937.6	5093.6	3922.8	3525.7	4378.2
50°	3909.0	3596.6	3417.4	4550.9	6383.3	7178.1	5981.6	4396.6	4046.2	5151.4
52.5°	4540.4	4236.5	3805.3	5140.9	7573.2	8392.2	6873.5	4812.7	4692.0	6048.6
55°	5401.4	5199.3	4335.6	5704.0	8762.4	9613.6	7730.7	5205.2	5545.2	7114.4
57.5°	6469.9	6614.3	5100.2	6357.0	9831.5	10872.4	8591.8	5753.9	6653.0	8306.3
60°	7159.0	8495.9	6564.4	7322.5	11046.4	12296.0	9771.8	6797.4	7817.3	8733.5
62.5°	6992.3	9094.5	8318.1	8555.0	12163.4	13331.0	10928.2	7845.5	8036.5	8104.1
65°	6481.1	8611.5	7960.4	8794.6	12446.3	13389.4	11237.4	7710.3	6817.1	6616.3
67.5°	5777.5	8038.5	7110.5	8159.3	11935.0	12572.9	10661.8	6820.4	5268.2	4965.0
70°	5018.2	7404.5	6552.6	7446.5	10960.4	11150.1	9683.2	5998.7	3874.9	3353.1
72.5°	4297.5	6744.2	6170.6	6716.0	9660.2	9267.8	8409.3	5272.1	2821.5	2418.5
75°	3560.5	5770.3	5626.6	5848.4	7950.5	7300.1	6987.1	4365.1	2214.4	1749.7
77.5°	2747.3	4508.9	4839.6	4683.4	5596.4	5422.4	5415.9	3280.2	1617.8	1167.6
80°	1880.3	3142.4	3781.0	3303.9	3632.0	3543.4	4079.0	2200.6	1173.5	702.9
82.5°	1105.2	1913.1	2631.8	1599.4	2008.3	2061.5	2429.0	1070.4	690.4	162.1
85°	448.3	755.4	1029.1	626.1	968.7	817.1	922.1	300.6	192.3	3.9
87.5°	112.9	241.5	169.3	70.2	112.2	103.0	81.4	36.8	7.9	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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1319.2	0°	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2
1490.5	2.5°	1464.9	1449.8	1412.4	1375.0	1344.8	1304.1	1277.2	1245.0	1214.2	1186.6
1661.1	5°	1619.8	1569.9	1501.6	1439.3	1375.6	1313.9	1252.9	1188.6	1129.5	1093.4
1805.5	7.5°	1745.8	1657.8	1567.3	1487.9	1411.1	1338.9	1258.1	1180.0	1087.5	1038.3
1915.8	10°	1839.6	1724.1	1605.3	1514.1	1436.7	1366.4	1298.2	1219.4	1107.9	1046.2
1982.7	12.5°	1901.3	1764.2	1625.0	1520.7	1434.0	1379.6	1349.4	1318.5	1207.6	1135.4
2031.9	15°	1944.0	1792.4	1638.8	1505.6	1399.3	1359.2	1389.4	1424.9	1354.0	1270.6
2083.1	17.5°	1990.6	1829.1	1644.7	1464.9	1331.7	1314.6	1392.7	1474.7	1471.4	1388.8
2131.7	20°	2039.8	1861.3	1640.8	1399.3	1249.6	1264.7	1364.5	1459.6	1499.7	1455.0
2187.5	22.5°	2090.3	1892.1	1625.7	1313.9	1172.8	1220.1	1319.8	1403.2	1450.4	1436.7
2255.7	25°	2154.0	1935.5	1603.4	1222.1	1109.2	1174.8	1268.0	1335.6	1368.4	1367.8
2329.2	27.5°	2230.1	1993.2	1591.6	1147.9	1063.9	1123.6	1206.3	1266.7	1289.7	1289.7
2420.5	30°	2318.7	2061.5	1578.4	1099.3	1037.6	1070.4	1134.8	1193.8	1216.8	1216.8
2520.2	32.5°	2417.2	2127.1	1546.9	1069.8	1017.9	1018.6	1059.3	1113.1	1140.7	1144.6
2644.9	35°	2535.3	2197.3	1478.0	1046.2	995.0	968.1	987.7	1032.4	1065.2	1073.7
2822.8	37.5°	2690.2	2283.3	1379.6	1011.4	959.5	914.9	919.5	953.6	989.7	1002.8
3068.3	40°	2898.3	2384.4	1277.2	961.5	909.6	856.5	854.5	879.5	914.9	929.3
3400.3	42.5°	3173.3	2505.8	1179.4	913.6	849.3	794.8	791.5	811.2	842.0	857.1
3838.8	45°	3525.0	2654.8	1095.4	876.2	790.2	736.4	735.1	751.5	778.4	794.1
4399.9	47.5°	4014.0	2803.8	1038.3	856.5	743.6	688.5	691.1	705.5	729.8	741.0
5126.4	50°	4651.3	2849.0	1009.4	856.5	718.7	645.8	658.9	670.7	689.1	695.7
5997.4	52.5°	5263.0	2699.4	983.2	861.7	721.9	609.7	637.9	646.5	662.2	664.8
6804.6	55°	5562.9	2320.7	947.1	863.0	742.3	578.9	620.9	636.6	642.5	641.9
7273.2	57.5°	5459.8	1876.4	886.0	857.8	756.1	559.2	599.9	630.1	634.0	628.1
7184.0	60°	5098.2	1381.5	839.4	819.1	750.8	553.3	567.7	615.6	621.5	613.7
6496.2	62.5°	4491.8	958.9	803.3	733.8	727.8	551.3	517.2	584.1	598.6	587.4
5221.6	65°	3536.2	677.3	691.8	643.2	678.0	540.8	464.7	546.1	565.7	548.7
3788.2	67.5°	2392.9	489.0	560.5	582.8	597.2	517.2	426.6	502.7	529.0	506.7
2431.0	70°	1292.3	343.3	370.2	490.9	507.3	476.5	392.5	458.8	489.0	464.7
1728.1	72.5°	763.3	246.8	259.2	394.4	422.7	419.4	354.4	407.6	444.3	415.4
1192.5	75°	420.7	166.7	185.1	286.2	343.3	323.6	304.5	345.2	382.6	354.4
747.5	77.5°	188.4	99.8	128.6	187.7	269.7	221.8	235.6	269.1	303.9	274.3
416.1	80°	72.9	55.8	85.3	102.4	196.2	122.7	151.6	198.2	223.1	199.5
90.6	82.5°	9.2	24.9	36.8	40.0	114.2	65.0	87.9	124.7	122.7	106.3
0.0	85°	0.0	4.6	5.3	2.6	49.2	23.6	28.9	40.7	38.1	28.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	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°
1319.2	0°	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2
1181.4	2.5°	1149.2	1125.6	1113.8	1103.9	1113.1	1118.4	1118.4	1140.7	1153.8	1159.0
1070.4	5°	1012.7	968.7	939.2	921.5	927.4	933.9	941.1	969.4	988.4	1000.9
993.7	7.5°	905.1	838.1	796.8	775.1	778.4	783.0	788.9	816.5	835.5	851.9
979.2	10°	851.9	757.4	702.9	676.7	672.1	669.4	667.5	683.9	698.3	711.4
1038.3	12.5°	854.5	722.6	656.3	624.2	610.4	594.6	582.1	584.8	594.0	610.4
1143.9	15°	888.0	711.4	632.0	592.0	569.0	550.6	535.5	532.3	535.5	538.2
1264.7	17.5°	933.3	710.1	611.0	561.1	537.5	522.4	508.6	504.0	504.7	508.0
1344.8	20°	969.4	706.2	587.4	531.6	510.6	497.5	483.7	479.1	480.4	481.1
1352.7	22.5°	988.4	700.3	561.1	502.1	484.4	471.2	458.8	458.1	458.1	462.0
1310.0	25°	988.4	687.8	537.5	473.9	458.1	446.3	431.2	433.8	435.1	440.4
1243.7	27.5°	964.8	664.2	518.5	449.6	433.2	421.4	407.6	410.9	412.8	418.7
1178.1	30°	934.6	636.0	496.8	426.6	407.6	399.0	387.2	388.5	391.2	397.7
1117.0	32.5°	902.4	602.5	479.1	403.6	384.6	378.0	364.9	366.9	369.5	376.7
1056.7	35°	867.0	563.1	458.1	382.6	363.6	358.3	343.3	344.6	348.5	356.4
991.7	37.5°	829.6	531.0	437.1	362.3	342.6	337.3	321.6	322.9	327.5	336.7
923.4	40°	792.8	499.5	414.8	340.6	320.9	316.3	299.3	300.6	305.8	315.7
854.5	42.5°	752.8	475.2	385.9	318.3	297.3	292.7	277.0	278.9	284.8	294.7
790.9	45°	704.9	459.4	353.8	297.3	273.7	269.1	254.6	258.6	265.1	275.0
736.4	47.5°	655.7	452.9	326.8	275.0	249.4	245.5	233.6	240.2	247.4	255.3
689.8	50°	608.4	444.3	299.3	254.0	228.4	224.5	216.6	225.1	232.3	239.6
656.3	52.5°	554.6	425.9	274.3	235.6	210.7	209.4	205.4	213.3	219.9	226.4
627.4	55°	498.8	396.4	252.7	219.2	195.6	196.9	194.9	201.5	206.7	212.6
601.2	57.5°	450.2	359.0	235.6	201.5	182.5	186.4	183.8	187.0	190.3	197.5
569.7	60°	401.0	314.4	216.6	180.5	169.3	173.9	166.7	166.0	167.4	169.3
523.1	62.5°	334.7	267.8	193.0	162.1	154.9	156.9	143.1	132.6	132.6	134.5
458.1	65°	269.1	224.5	166.7	141.1	135.2	133.9	114.2	99.8	98.4	104.4
382.6	67.5°	221.2	186.4	140.5	117.5	113.5	114.9	100.4	86.0	84.7	91.2
311.7	70°	183.1	150.3	112.2	90.6	94.5	100.4	86.0	72.2	70.2	76.1
253.3	72.5°	145.7	117.5	86.0	66.9	78.1	85.3	70.2	57.1	55.8	61.0
195.6	75°	107.0	84.0	58.4	48.6	60.4	66.9	51.2	40.7	38.7	43.3
130.6	77.5°	66.3	47.3	36.8	28.9	41.3	44.6	26.9	23.6	23.0	26.3
79.4	80°	30.8	20.3	17.7	9.8	15.1	17.7	11.2	12.5	13.1	15.8
40.0	82.5°	8.5	3.3	0.7	0.0	0.0	5.3	2.6	5.3	6.6	9.8
3.3	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.3	5.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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°
1319.2	0°	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2	1319.2
1195.8	2.5°	1223.4	1249.6	1291.6	1334.9	1377.6	1420.9	1462.9	1478.0
1058.0	5°	1109.8	1170.2	1253.6	1342.8	1434.7	1527.9	1613.2	1651.9
915.6	7.5°	983.2	1069.8	1195.1	1334.9	1481.3	1627.7	1762.2	1824.5
774.4	10°	848.0	957.6	1100.6	1289.7	1499.7	1701.8	1886.9	1967.6
650.4	12.5°	719.3	834.2	992.3	1218.8	1485.2	1744.5	1967.0	2062.1
563.1	15°	611.7	713.4	884.1	1134.8	1438.6	1747.1	2005.0	2109.4
514.5	17.5°	531.0	597.2	773.8	1041.6	1377.6	1722.8	2018.2	2129.7
488.3	20°	490.9	509.3	630.7	922.1	1320.5	1699.8	2031.3	2148.8
467.3	22.5°	467.3	471.9	515.9	767.9	1252.2	1692.6	2054.3	2175.0
448.3	25°	448.3	449.6	461.4	608.4	1147.9	1688.0	2089.7	2211.1
428.6	27.5°	429.2	429.2	435.8	490.3	1006.1	1668.3	2135.6	2254.4
408.9	30°	410.2	410.2	414.8	433.8	840.1	1629.6	2190.8	2310.9
389.2	32.5°	390.5	390.5	394.4	408.2	670.7	1581.1	2241.3	2368.0
368.8	35°	370.8	369.5	374.8	389.2	533.6	1519.4	2291.8	2429.7
348.5	37.5°	349.8	349.2	354.4	370.8	460.7	1447.8	2329.9	2513.7
328.2	40°	327.5	327.5	333.4	351.1	439.7	1357.9	2390.3	2634.4
307.2	42.5°	307.2	305.8	312.4	334.1	424.0	1271.9	2498.6	2810.3
288.1	45°	287.5	284.8	290.7	317.7	396.4	1241.7	2700.7	3070.2
269.7	47.5°	269.1	262.5	267.8	298.0	371.5	1354.6	3031.5	3430.5
253.3	50°	254.0	241.5	246.1	278.3	352.4	1599.4	3460.7	3909.0
238.2	52.5°	238.2	221.8	224.5	254.0	335.4	1832.4	3926.1	4540.4
223.1	55°	221.8	203.5	204.8	229.7	311.1	1867.2	4380.2	5401.4
206.1	57.5°	203.5	186.4	186.4	207.4	293.4	1618.5	4729.4	6469.9
185.1	60°	183.1	172.0	168.7	189.7	309.1	1142.0	4770.1	7159.0
158.2	62.5°	160.8	154.9	150.3	172.6	320.9	676.7	4442.6	6992.3
124.7	65°	135.2	133.9	130.6	189.7	270.4	399.7	3813.8	6481.1
106.3	67.5°	113.5	111.6	111.6	198.9	205.4	251.4	2979.7	5777.5
90.6	70°	97.8	90.6	90.6	150.3	124.7	173.9	2080.5	5018.2
74.8	72.5°	82.0	74.2	68.9	120.1	93.2	127.3	1300.2	4297.5
57.1	75°	65.6	59.7	53.2	79.4	69.6	96.5	755.4	3560.5
36.1	77.5°	47.3	44.6	37.4	58.4	50.5	69.6	449.6	2747.3
22.3	80°	24.3	24.9	23.6	33.5	34.1	47.3	256.0	1880.3
14.4	82.5°	14.4	11.2	12.5	16.4	19.7	26.9	96.5	1105.2
10.5	85°	9.2	5.9	5.9	7.9	9.8	10.5	29.5	448.3
5.3	87.5°	4.6	2.0	2.6	3.9	3.3	2.6	1.3	112.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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