

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: P947781

Luminaire Tested: **GALN-SB3A-740-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947781  
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-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

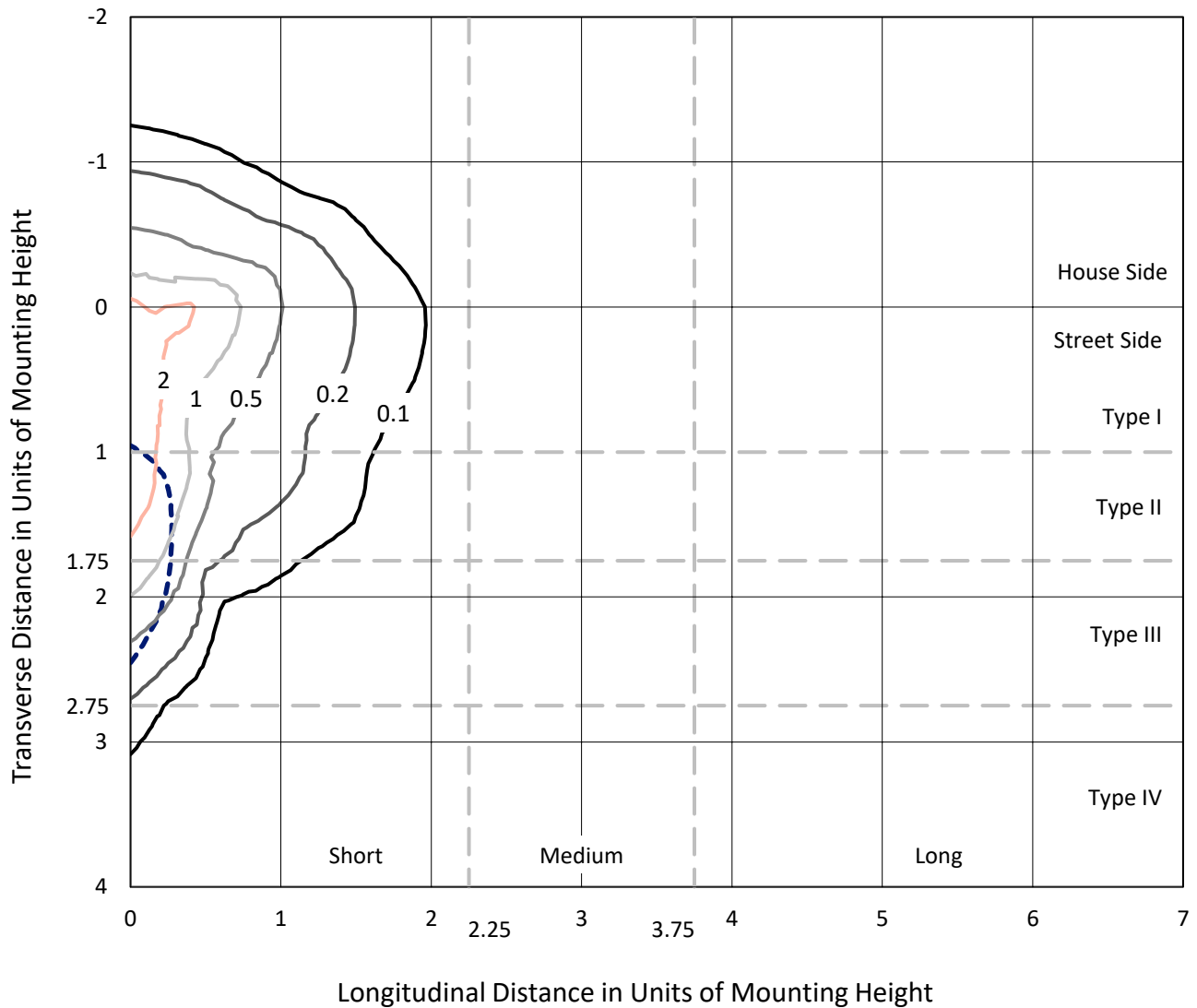
Lumens per Lamp: N/A  
Luminaire Lumens: 10867 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

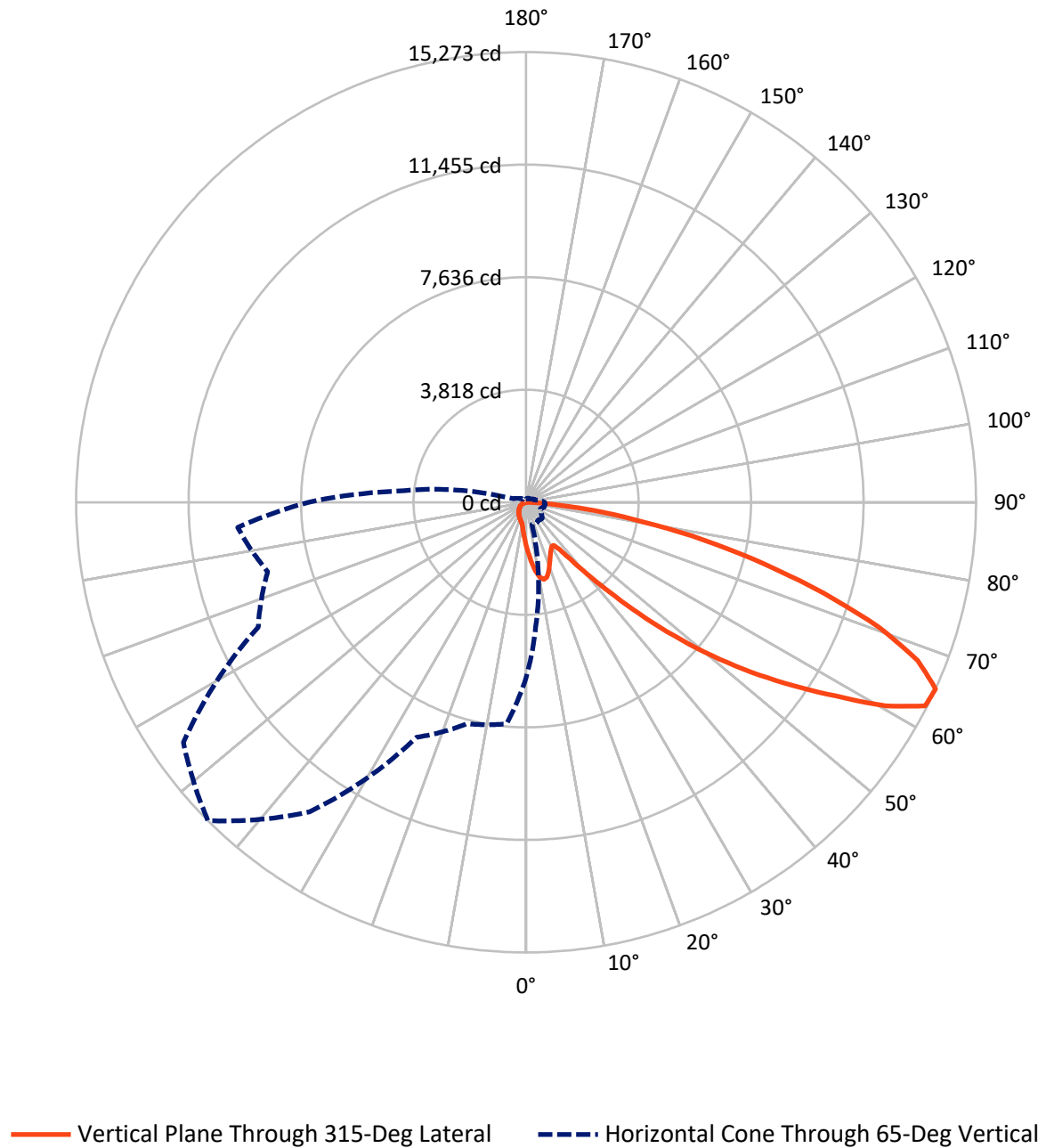
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	1521.8	0.0	1521.8
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	9345.2	0.0	9345.2
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	10867.0	0.0	10867.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.1	1.4
10°-20°	444.1	4.1
20°-30°	654.2	6.0
30°-40°	840.5	7.7
40°-50°	1359.4	12.5
50°-60°	2383.8	21.9
60°-70°	2982.8	27.4
70°-80°	1743.0	16.0
80°-90°	311.0	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°	10867.0	100.0
0°-180°	10867.0	100.0

**Coefficient of Utilization**



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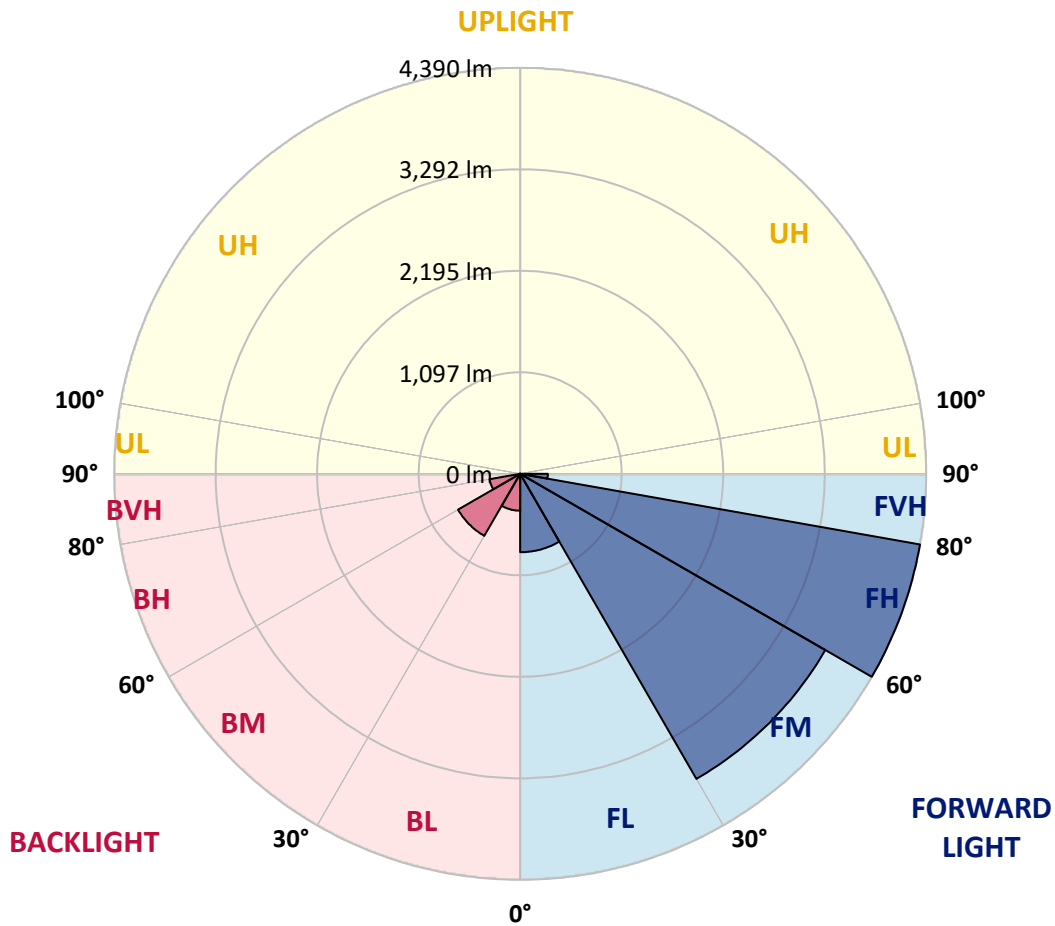
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.6	7.8			
FM (30°-60°)	3808.8	35.0			
FH (60°-80°)	4389.8	40.4			G2/5000
FVH (80°-90°)	299.0	2.8			G3/500
BL (0°-30°)	398.9	3.7	B1/500		
BM (30°-60°)	775.0	7.1	B1/1000		
BH (60°-80°)	336.0	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°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
2.5°	1700.1	1670.9	1653.7	1611.0	1568.4	1533.9	1487.5	1456.8	1420.1	1385.0
5°	1894.8	1847.6	1790.7	1712.8	1641.7	1569.1	1498.7	1429.1	1355.8	1288.4
7.5°	2059.5	1991.3	1891.0	1787.7	1697.1	1609.5	1527.2	1435.1	1346.0	1240.5
10°	2185.2	2098.4	1966.6	1831.1	1727.1	1638.7	1558.6	1480.8	1390.9	1263.7
12.5°	2261.6	2168.8	2012.3	1853.6	1734.6	1635.7	1573.6	1539.2	1504.0	1377.5
15°	2317.7	2217.4	2044.5	1869.3	1717.3	1596.1	1550.4	1584.8	1625.3	1544.4
17.5°	2376.1	2270.6	2086.4	1876.0	1670.9	1519.0	1499.5	1588.6	1682.2	1678.4
20°	2431.5	2326.7	2123.1	1871.6	1596.1	1425.4	1442.6	1556.4	1664.9	1710.6
22.5°	2495.2	2384.4	2158.3	1854.3	1498.7	1337.8	1391.7	1505.5	1600.6	1654.5
25°	2573.0	2457.0	2207.7	1828.9	1393.9	1265.2	1340.0	1446.3	1523.4	1560.9
27.5°	2656.9	2543.8	2273.6	1815.4	1309.3	1213.5	1281.6	1376.0	1444.8	1471.0
30°	2760.9	2644.9	2351.4	1800.4	1253.9	1183.6	1221.0	1294.4	1361.7	1387.9
32.5°	2874.7	2757.2	2426.3	1764.5	1220.3	1161.1	1161.9	1208.3	1269.7	1301.1
35°	3016.9	2891.9	2506.4	1685.9	1193.3	1134.9	1104.2	1126.7	1177.6	1215.0
37.5°	3219.8	3068.6	2604.5	1573.6	1153.6	1094.5	1043.6	1048.8	1087.7	1128.9
40°	3499.8	3305.9	2719.7	1456.8	1096.7	1037.6	977.0	974.7	1003.2	1043.6
42.5°	3878.6	3619.6	2858.2	1345.3	1042.1	968.7	906.6	902.8	925.3	960.5
45°	4378.7	4020.9	3028.2	1249.5	999.4	901.3	840.0	838.5	857.2	887.9
47.5°	5018.8	4578.6	3198.1	1184.3	977.0	848.2	785.3	788.3	804.8	832.5
50°	5847.5	5305.5	3249.8	1151.4	977.0	819.7	736.6	751.6	765.1	786.1
52.5°	6840.9	6003.2	3079.1	1121.4	982.9	823.5	695.5	727.7	737.4	755.4
55°	7761.7	6345.3	2647.1	1080.3	984.4	846.7	660.3	708.2	726.2	732.9
57.5°	8296.2	6227.8	2140.3	1010.6	978.4	862.4	637.8	684.2	718.7	723.2
60°	8194.4	5815.3	1575.9	957.5	934.3	856.4	631.1	647.6	702.2	708.9
62.5°	7409.9	5123.6	1093.7	916.3	837.0	830.2	628.8	589.9	666.3	682.7
65°	5956.0	4033.6	772.6	789.0	733.7	773.3	616.9	530.0	622.9	645.3
67.5°	4321.1	2729.5	557.7	639.3	664.8	681.2	589.9	486.6	573.4	603.4
70°	2772.9	1474.0	391.5	422.2	560.0	578.7	543.5	447.7	523.3	557.7
72.5°	1971.1	870.6	281.5	295.7	449.9	482.1	478.4	404.3	464.9	506.8
75°	1360.2	479.9	190.2	211.1	326.4	391.5	369.1	347.4	393.8	436.4
77.5°	852.7	214.9	113.8	146.7	214.1	307.7	253.0	268.8	306.9	346.6
80°	474.6	83.1	63.6	97.3	116.8	223.8	140.0	172.9	226.1	254.5
82.5°	103.3	10.5	28.4	41.9	45.7	130.3	74.1	100.3	142.2	140.0
85°	0.0	0.0	5.2	6.0	3.0	56.1	27.0	32.9	46.4	43.4
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°
1504.7	0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
1353.5	2.5°	1347.5	1310.8	1283.9	1270.4	1259.2	1269.7	1275.7	1275.7	1301.1	1316.1
1247.2	5°	1221.0	1155.1	1105.0	1071.3	1051.1	1057.8	1065.3	1073.5	1105.7	1127.4
1184.3	7.5°	1133.4	1032.4	956.0	908.8	884.1	887.9	893.1	899.8	931.3	953.0
1193.3	10°	1116.9	971.7	863.9	801.8	771.8	766.6	763.6	761.3	780.1	796.5
1295.1	12.5°	1184.3	974.7	824.2	748.6	711.9	696.2	678.3	664.0	667.0	677.5
1449.3	15°	1304.8	1012.9	811.5	720.9	675.3	649.1	628.1	610.9	607.1	610.9
1584.1	17.5°	1442.6	1064.5	810.0	697.0	640.1	613.1	595.9	580.2	574.9	575.7
1659.7	20°	1533.9	1105.7	805.5	670.0	606.4	582.4	567.5	551.7	546.5	548.0
1638.7	22.5°	1542.9	1127.4	798.8	640.1	572.7	552.5	537.5	523.3	522.5	522.5
1560.1	25°	1494.3	1127.4	784.6	613.1	540.5	522.5	509.1	491.8	494.8	496.3
1471.0	27.5°	1418.6	1100.5	757.6	591.4	512.8	494.1	480.6	464.9	468.6	470.9
1387.9	30°	1343.8	1066.0	725.4	566.7	486.6	464.9	455.2	441.7	443.2	446.2
1305.6	32.5°	1274.2	1029.4	687.2	546.5	460.4	438.7	431.2	416.2	418.5	421.5
1224.7	35°	1205.3	988.9	642.3	522.5	436.4	414.7	408.7	391.5	393.0	397.5
1143.9	37.5°	1131.2	946.3	605.6	498.6	413.2	390.8	384.8	366.8	368.3	373.6
1060.0	40°	1053.3	904.3	569.7	473.1	388.5	366.1	360.8	341.4	342.9	348.9
977.7	42.5°	974.7	858.7	542.0	440.2	363.1	339.1	333.9	315.9	318.2	324.9
905.8	45°	902.1	804.0	524.0	403.5	339.1	312.2	306.9	290.5	295.0	302.4
845.2	47.5°	840.0	747.9	516.5	372.8	313.7	284.5	280.0	266.5	274.0	282.2
793.5	50°	786.8	694.0	506.8	341.4	289.7	260.5	256.0	247.0	256.8	265.0
758.4	52.5°	748.6	632.6	485.9	312.9	268.8	240.3	238.8	234.3	243.3	250.8
732.2	55°	715.7	569.0	452.2	288.2	250.0	223.1	224.6	222.3	229.8	235.8
716.4	57.5°	685.7	513.6	409.5	268.8	229.8	208.1	212.6	209.6	213.4	217.1
700.0	60°	649.8	457.4	358.6	247.0	205.9	193.1	198.4	190.2	189.4	190.9
670.0	62.5°	596.7	381.8	305.4	220.1	184.9	176.7	178.9	163.2	151.2	151.2
625.8	65°	522.5	306.9	256.0	190.2	161.0	154.2	152.7	130.3	113.8	112.3
577.9	67.5°	436.4	252.3	212.6	160.2	134.0	129.5	131.0	114.5	98.1	96.6
530.0	70°	355.6	208.9	171.4	128.0	103.3	107.8	114.5	98.1	82.3	80.1
473.9	72.5°	289.0	166.2	134.0	98.1	76.4	89.1	97.3	80.1	65.1	63.6
404.3	75°	223.1	122.0	95.8	66.6	55.4	68.9	76.4	58.4	46.4	44.2
312.9	77.5°	149.0	75.6	53.9	41.9	32.9	47.2	50.9	30.7	27.0	26.2
227.6	80°	90.6	35.2	23.2	20.2	11.2	17.2	20.2	12.7	14.2	15.0
121.3	82.5°	45.7	9.7	3.7	0.7	0.0	0.0	6.0	3.0	6.0	7.5
32.9	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°
1504.7	0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
1322.1	2.5°	1364.0	1395.4	1425.4	1473.3	1522.7	1571.4	1620.8	1668.7	1685.9	1698.6
1141.6	5°	1206.8	1265.9	1334.8	1429.9	1531.7	1636.5	1742.8	1840.1	1884.3	1914.2
971.7	7.5°	1044.3	1121.4	1220.3	1363.2	1522.7	1689.6	1856.6	2010.1	2081.2	2138.8
811.5	10°	883.4	967.2	1092.2	1255.4	1471.0	1710.6	1941.2	2152.3	2244.4	2317.0
696.2	12.5°	741.9	820.5	951.5	1131.9	1390.2	1694.1	1989.8	2243.6	2352.2	2433.8
613.9	15°	642.3	697.7	813.8	1008.4	1294.4	1641.0	1992.8	2287.0	2406.1	2491.4
579.4	17.5°	586.9	605.6	681.2	882.6	1188.1	1571.4	1965.1	2302.0	2429.3	2508.6
548.7	20°	557.0	560.0	580.9	719.4	1051.8	1506.2	1938.9	2317.0	2451.0	2517.6
527.0	22.5°	533.0	533.0	538.3	588.4	875.9	1428.4	1930.7	2343.2	2480.9	2522.1
502.3	25°	511.3	511.3	512.8	526.3	694.0	1309.3	1925.5	2383.6	2522.1	2533.3
477.6	27.5°	488.9	489.6	489.6	497.1	559.2	1147.6	1903.0	2436.0	2571.5	2548.3
453.7	30°	466.4	467.9	467.9	473.1	494.8	958.2	1858.8	2498.9	2635.9	2567.8
429.7	32.5°	443.9	445.4	445.4	449.9	465.6	765.1	1803.4	2556.5	2701.0	2576.0
406.5	35°	420.7	423.0	421.5	427.5	443.9	608.6	1733.1	2614.2	2771.4	2602.2
384.0	37.5°	397.5	399.0	398.3	404.3	423.0	525.5	1651.5	2657.6	2867.2	2660.6
360.1	40°	374.3	373.6	373.6	380.3	400.5	501.6	1548.9	2726.5	3005.0	2763.2
336.1	42.5°	350.4	350.4	348.9	356.3	381.0	483.6	1450.8	2850.0	3205.6	2926.4
313.7	45°	328.6	327.9	324.9	331.6	362.3	452.2	1416.4	3080.6	3502.1	3190.6
291.2	47.5°	307.7	306.9	299.4	305.4	339.9	423.7	1545.2	3457.9	3913.1	3579.2
273.2	50°	289.0	289.7	275.5	280.7	317.4	402.0	1824.4	3947.5	4458.8	4102.5
258.3	52.5°	271.8	271.8	253.0	256.0	289.7	382.5	2090.2	4478.3	5179.0	4832.4
242.6	55°	254.5	253.0	232.1	233.6	262.0	354.8	2129.8	4996.3	6161.2	5930.6
225.3	57.5°	235.1	232.1	212.6	212.6	236.6	334.6	1846.1	5394.6	7379.9	7544.6
193.1	60°	211.1	208.9	196.1	192.4	216.4	352.6	1302.6	5441.0	8166.0	9690.9
153.5	62.5°	180.4	183.4	176.7	171.4	196.9	366.1	771.8	5067.4	7975.8	10373.7
119.0	65°	142.2	154.2	152.7	149.0	216.4	308.4	455.9	4350.2	7392.6	9822.7
104.1	67.5°	121.3	129.5	127.3	127.3	226.8	234.3	286.7	3398.7	6590.1	9169.1
86.8	70°	103.3	111.5	103.3	103.3	171.4	142.2	198.4	2373.1	5724.0	8446.0
69.6	72.5°	85.3	93.6	84.6	78.6	137.0	106.3	145.2	1483.0	4902.0	7692.8
49.4	75°	65.1	74.9	68.1	60.6	90.6	79.4	110.0	861.7	4061.3	6581.9
29.9	77.5°	41.2	53.9	50.9	42.7	66.6	57.6	79.4	512.8	3133.7	5143.0
18.0	80°	25.5	27.7	28.4	27.0	38.2	38.9	53.9	292.0	2144.8	3584.4
11.2	82.5°	16.5	16.5	12.7	14.2	18.7	22.5	30.7	110.0	1260.7	2182.2
6.7	85°	12.0	10.5	6.7	6.7	9.0	11.2	12.0	33.7	511.3	861.7
3.0	87.5°	6.0	5.2	2.2	3.0	4.5	3.7	3.0	1.5	128.8	275.5
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°
1504.7	0°	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7	1504.7
1727.1	2.5°	1742.0	1765.3	1766.7	1766.7	1746.5	1745.8	1704.6	1700.1
1981.6	5°	2051.2	2066.2	2069.9	2062.5	2022.0	1992.1	1912.0	1894.8
2241.4	7.5°	2334.2	2364.2	2364.2	2346.2	2280.3	2218.9	2102.9	2059.5
2456.2	10°	2560.3	2594.7	2587.2	2550.6	2467.5	2382.9	2242.1	2185.2
2586.5	12.5°	2670.3	2705.5	2686.1	2644.1	2563.3	2474.2	2326.0	2261.6
2623.9	15°	2668.1	2658.4	2638.1	2632.9	2594.0	2526.6	2388.1	2317.7
2600.7	17.5°	2573.0	2490.7	2474.9	2527.4	2576.8	2560.3	2442.0	2376.1
2545.3	20°	2422.5	2278.8	2264.6	2364.9	2505.6	2577.5	2492.2	2431.5
2465.2	22.5°	2263.8	2108.9	2075.9	2186.7	2398.6	2582.7	2555.8	2495.2
2376.9	25°	2113.4	1957.6	1924.7	2028.0	2279.6	2573.8	2624.7	2573.0
2292.3	27.5°	1987.6	1837.1	1806.4	1909.7	2165.0	2548.3	2693.5	2656.9
2208.4	30°	1890.3	1751.0	1728.6	1828.1	2066.2	2516.9	2781.1	2760.9
2130.6	32.5°	1833.4	1731.6	1739.8	1821.4	2013.0	2482.4	2865.0	2874.7
2092.4	35°	1889.5	1894.0	1965.9	1999.6	2062.5	2477.2	2978.8	3016.9
2138.1	37.5°	2168.8	2324.5	2473.4	2445.8	2304.3	2537.8	3148.7	3219.8
2337.2	40°	2644.1	2963.8	3205.6	3100.0	2743.7	2723.5	3393.5	3499.8
2690.6	42.5°	3225.1	3767.1	4165.3	3882.4	3310.4	3048.4	3743.1	3878.6
3118.0	45°	3838.2	4757.5	5384.8	4796.4	3914.5	3503.6	4272.4	4378.7
3518.5	47.5°	4484.3	5961.3	6772.8	5810.1	4474.5	4021.6	4994.1	5018.8
3898.1	50°	5191.0	7281.1	8187.7	6822.9	5015.0	4615.3	5875.9	5847.5
4340.5	52.5°	5864.0	8638.4	9572.6	7840.3	5489.7	5351.9	6899.3	6840.9
4945.4	55°	6506.3	9994.9	10965.8	8818.0	5937.3	6325.1	8115.1	7761.7
5817.5	57.5°	7251.2	11214.4	12401.7	9800.2	6563.2	7588.8	9474.6	8296.2
7487.7	60°	8352.4	12600.1	14025.4	11146.2	7753.5	8916.8	9961.9	8194.4
9488.0	62.5°	9758.3	13874.2	15206.0	12465.3	8949.0	9166.9	9244.0	7409.9
9080.0	65°	10031.5	14196.9	15272.7	12817.9	8794.8	7775.9	7546.9	5956.0
8110.6	67.5°	9306.9	13613.7	14341.4	12161.4	7779.7	6009.2	5663.3	4321.1
7474.2	70°	8493.9	12502.0	12718.4	11045.2	6842.4	4419.9	3824.7	2772.9
7038.6	72.5°	7660.7	11019.0	10571.3	9592.1	6013.7	3218.3	2758.7	1971.1
6417.9	75°	6671.0	9068.8	8326.9	7969.8	4979.1	2525.9	1995.8	1360.2
5520.3	77.5°	5342.2	6383.5	6185.1	6177.6	3741.6	1845.4	1331.8	852.7
4312.8	80°	3768.6	4142.9	4041.8	4652.7	2510.1	1338.5	801.8	474.6
3002.0	82.5°	1824.4	2290.8	2351.4	2770.7	1221.0	787.6	184.9	103.3
1173.8	85°	714.2	1105.0	932.0	1051.8	342.9	219.3	4.5	0.0
193.1	87.5°	80.1	128.0	117.5	92.8	41.9	9.0	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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