

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: P952233

Luminaire Tested: **GALN-SB6A-927-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952233  
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-SB6A-927-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

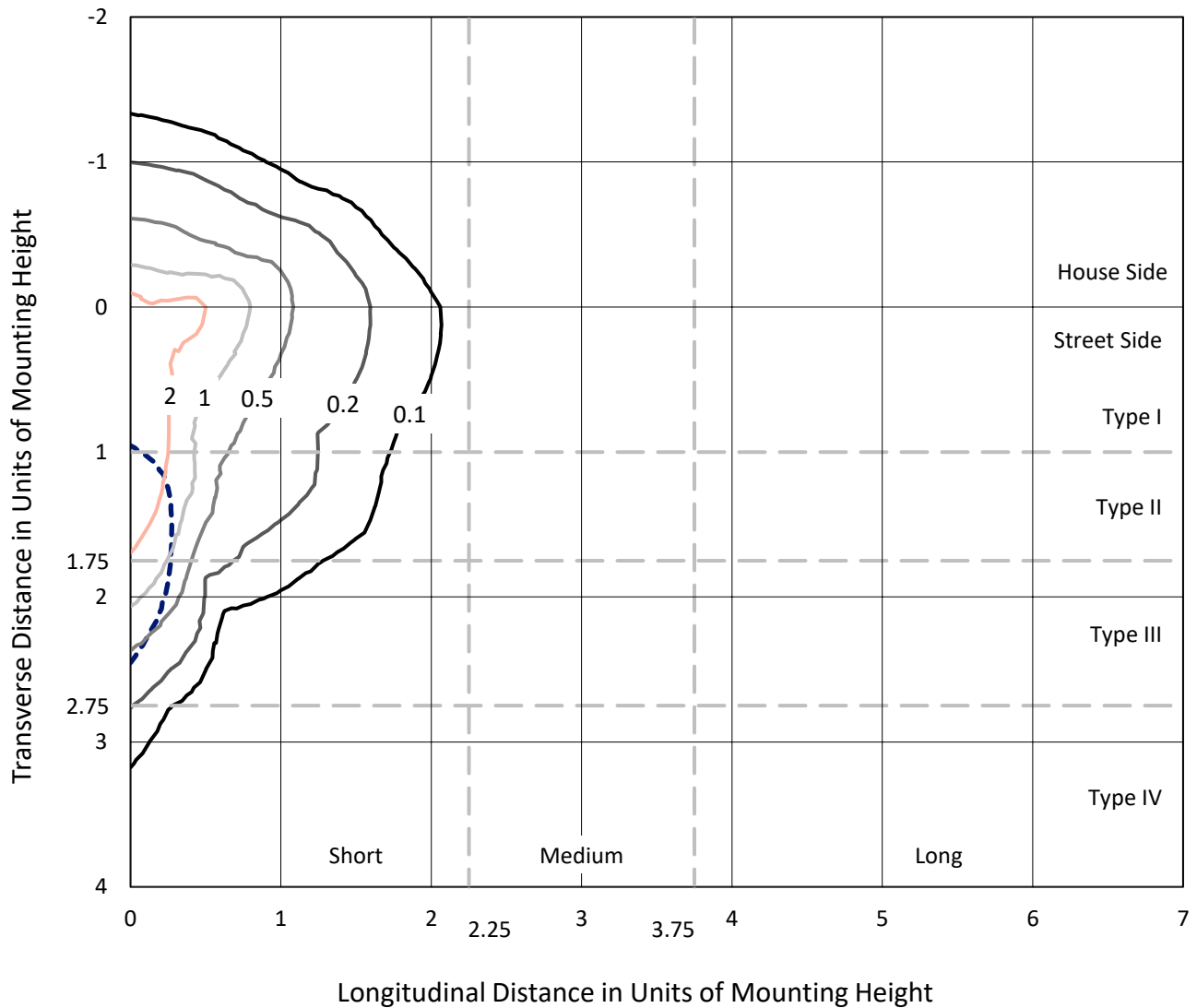
Lumens per Lamp: N/A  
Luminaire Lumens: 12637 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

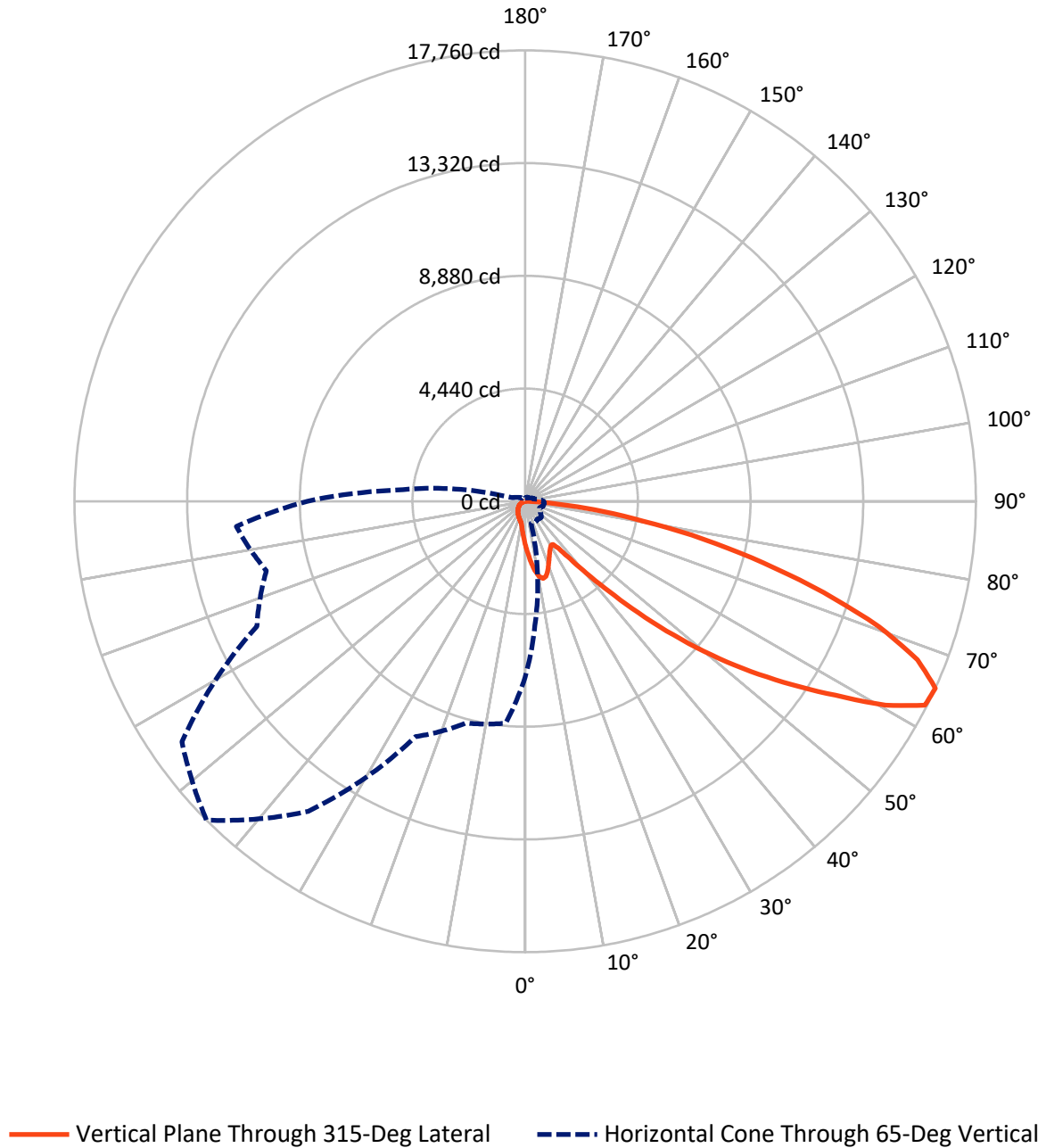
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1769.7	0.0	1769.7
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	10867.3	0.0	10867.3
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	12637.0	0.0	12637.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.3	1.4
10°-20°	516.4	4.1
20°-30°	760.8	6.0
30°-40°	977.4	7.7
40°-50°	1580.8	12.5
50°-60°	2772.1	21.9
60°-70°	3468.6	27.4
70°-80°	2026.9	16.0
80°-90°	361.6	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°	12637.0	100.0
0°-180°	12637.0	100.0

**Coefficient of Utilization**



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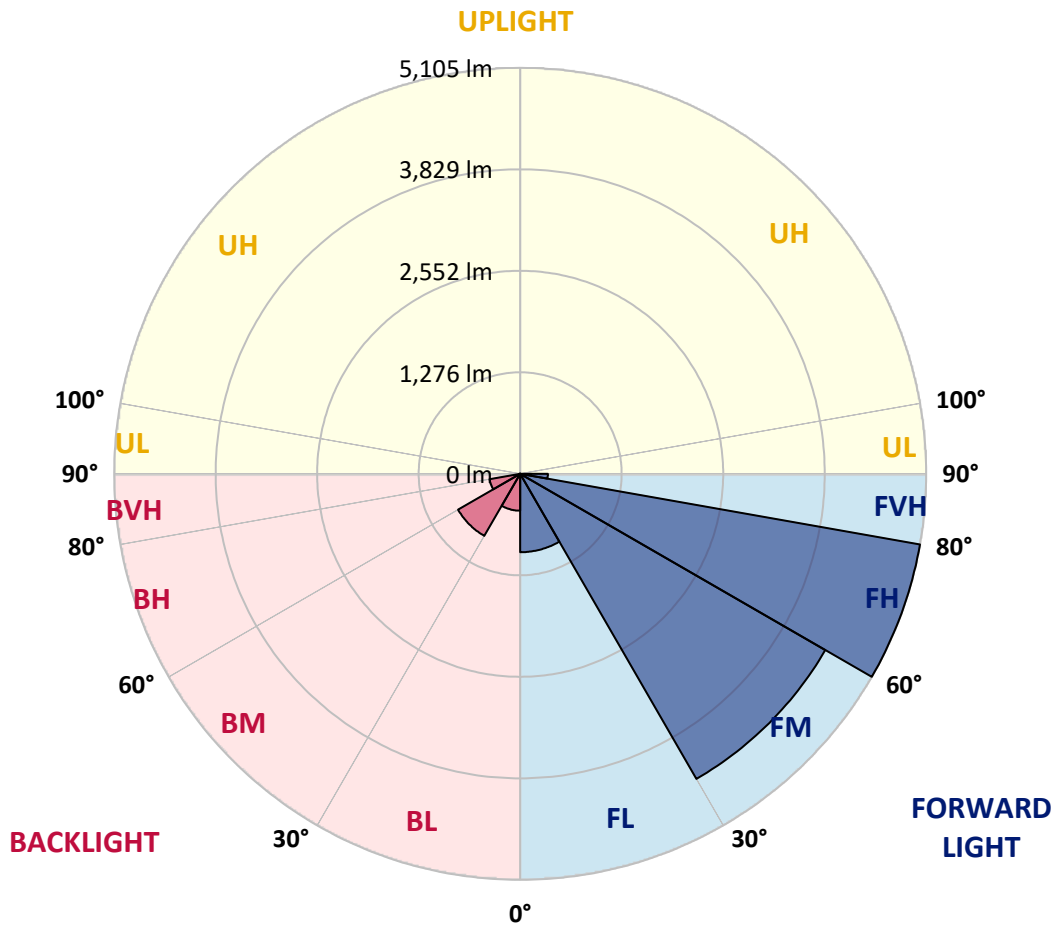
CATALOG NUMBER: GALN-SB6A-927-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	985.6	7.8			
FM (30°-60°)	4429.1	35.0			
FH (60°-80°)	5104.8	40.4			G3/7500
FVH (80°-90°)	347.7	2.8			G3/500
BL (0°-30°)	463.9	3.7	B1/500		
BM (30°-60°)	901.2	7.1	B1/1000		
BH (60°-80°)	390.8	3.1	B1/500		G1/500
BVH (80°-90°)	13.9	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°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
2.5°	1977.0	1943.1	1923.1	1873.4	1823.8	1783.8	1729.8	1694.1	1651.4	1610.5
5°	2203.4	2148.5	2082.4	1991.8	1909.1	1824.7	1742.9	1661.9	1576.6	1498.2
7.5°	2394.9	2315.7	2199.0	2078.9	1973.6	1871.7	1775.9	1668.9	1565.3	1442.5
10°	2541.2	2440.2	2287.0	2129.4	2008.4	1905.6	1812.5	1722.0	1617.5	1469.5
12.5°	2630.0	2522.0	2340.1	2155.5	2017.1	1902.2	1829.9	1789.9	1748.9	1601.8
15°	2695.2	2578.6	2377.5	2173.8	1997.1	1856.0	1802.9	1843.0	1890.0	1796.0
17.5°	2763.1	2640.4	2426.2	2181.6	1943.1	1766.4	1743.7	1847.3	1956.1	1951.8
20°	2827.6	2705.7	2468.9	2176.4	1856.0	1657.5	1677.6	1809.9	1936.1	1989.2
22.5°	2901.6	2772.7	2509.8	2156.4	1742.9	1555.7	1618.4	1750.7	1861.3	1923.9
25°	2992.1	2857.2	2567.3	2126.8	1621.0	1471.2	1558.3	1681.9	1771.6	1815.1
27.5°	3089.6	2958.2	2643.9	2111.1	1522.6	1411.2	1490.4	1600.1	1680.2	1710.6
30°	3210.6	3075.7	2734.4	2093.7	1458.2	1376.4	1419.9	1505.2	1583.5	1614.0
32.5°	3342.9	3206.3	2821.5	2051.9	1419.0	1350.2	1351.1	1405.1	1476.5	1513.0
35°	3508.3	3363.0	2914.6	1960.5	1387.7	1319.8	1284.1	1310.2	1369.4	1412.9
37.5°	3744.3	3568.4	3028.7	1829.9	1341.5	1272.8	1213.6	1219.7	1264.9	1312.8
40°	4069.9	3844.4	3162.7	1694.1	1275.4	1206.6	1136.1	1133.5	1166.5	1213.6
42.5°	4510.4	4209.1	3323.8	1564.4	1211.8	1126.5	1054.2	1049.9	1076.0	1116.9
45°	5091.9	4675.8	3521.4	1453.0	1162.2	1048.2	976.8	975.0	996.8	1032.5
47.5°	5836.2	5324.3	3719.0	1377.2	1136.1	986.3	913.2	916.7	935.8	968.1
50°	6799.9	6169.6	3779.1	1338.9	1136.1	953.3	856.6	874.0	889.7	914.1
52.5°	7955.2	6981.0	3580.6	1304.1	1143.0	957.6	808.7	846.2	857.5	878.4
55°	9025.9	7378.8	3078.3	1256.2	1144.8	984.6	767.8	823.5	844.4	852.3
57.5°	9647.5	7242.2	2488.9	1175.3	1137.8	1002.9	741.7	795.7	835.7	841.0
60°	9529.1	6762.5	1832.5	1113.4	1086.5	995.9	733.9	753.0	816.6	824.4
62.5°	8616.8	5958.1	1271.9	1065.6	973.3	965.4	731.3	686.0	774.8	793.9
65°	6926.2	4690.6	898.4	917.6	853.1	899.3	717.3	616.4	724.3	750.4
67.5°	5024.9	3174.1	648.6	743.5	773.1	792.2	686.0	565.9	666.8	701.7
70°	3224.5	1714.1	455.3	491.0	651.2	672.9	632.0	520.6	608.5	648.6
72.5°	2292.2	1012.5	327.3	343.9	523.2	560.6	556.3	470.1	540.6	589.4
75°	1581.8	558.0	221.1	245.5	379.6	455.3	429.2	403.9	457.9	507.5
77.5°	991.6	249.8	132.3	170.6	249.0	357.8	294.2	312.5	356.9	403.1
80°	551.9	96.6	74.0	113.2	135.8	260.3	162.8	201.1	262.9	296.0
82.5°	120.1	12.2	33.1	48.8	53.1	151.5	86.2	116.7	165.4	162.8
85°	0.0	0.0	6.1	7.0	3.5	65.3	31.3	38.3	54.0	50.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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°
1749.8	0°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
1574.0	2.5°	1567.0	1524.3	1493.0	1477.3	1464.3	1476.5	1483.4	1483.4	1513.0	1530.4
1450.3	5°	1419.9	1343.3	1284.9	1245.8	1222.3	1230.1	1238.8	1248.4	1285.8	1311.1
1377.2	7.5°	1318.0	1200.5	1111.7	1056.9	1028.1	1032.5	1038.6	1046.4	1083.0	1108.2
1387.7	10°	1298.9	1130.0	1004.6	932.4	897.5	891.5	888.0	885.4	907.1	926.3
1506.1	12.5°	1377.2	1133.5	958.5	870.6	827.9	809.6	788.7	772.2	775.7	787.9
1685.4	15°	1517.4	1177.9	943.7	838.3	785.2	754.8	730.4	710.4	706.0	710.4
1842.1	17.5°	1677.6	1237.9	941.9	810.5	744.3	713.0	693.0	674.7	668.6	669.5
1930.0	20°	1783.8	1285.8	936.7	779.1	705.2	677.3	659.9	641.6	635.5	637.2
1905.6	22.5°	1794.2	1311.1	928.9	744.3	666.0	642.5	625.1	608.5	607.6	607.6
1814.2	25°	1737.6	1311.1	912.3	713.0	628.5	607.6	592.0	572.0	575.4	577.2
1710.6	27.5°	1649.7	1279.7	881.0	687.7	596.3	574.6	558.9	540.6	545.0	547.6
1614.0	30°	1562.7	1239.7	843.6	659.0	565.9	540.6	529.3	513.6	515.4	518.9
1518.3	32.5°	1481.7	1197.0	799.2	635.5	535.4	510.1	501.4	484.0	486.6	490.1
1424.2	35°	1401.6	1150.0	746.9	607.6	507.5	482.3	475.3	455.3	457.0	462.3
1330.2	37.5°	1315.4	1100.4	704.3	579.8	480.5	454.4	447.5	426.6	428.3	434.4
1232.7	40°	1224.9	1051.6	662.5	550.2	451.8	425.7	419.6	397.0	398.7	405.7
1136.9	42.5°	1133.5	998.5	630.3	511.9	422.2	394.4	388.3	367.4	370.0	377.8
1053.4	45°	1049.0	935.0	609.4	469.2	394.4	363.0	356.9	337.8	343.0	351.7
982.9	47.5°	976.8	869.7	600.7	433.5	364.8	330.8	325.6	309.9	318.6	328.2
922.8	50°	915.0	807.0	589.4	397.0	336.9	303.0	297.7	287.3	298.6	308.2
881.9	52.5°	870.6	735.6	565.0	363.9	312.5	279.4	277.7	272.5	282.9	291.6
851.4	55°	832.3	661.6	525.8	335.2	290.8	259.4	261.2	258.6	267.3	274.2
833.1	57.5°	797.4	597.2	476.2	312.5	267.3	242.0	247.2	243.8	248.1	252.5
814.0	60°	755.6	531.9	417.0	287.3	239.4	224.6	230.7	221.1	220.3	222.0
779.1	62.5°	693.8	444.0	355.2	255.9	215.0	205.5	208.1	189.8	175.9	175.9
727.8	65°	607.6	356.9	297.7	221.1	187.2	179.3	177.6	151.5	132.3	130.6
672.1	67.5°	507.5	293.4	247.2	186.3	155.8	150.6	152.3	133.2	114.0	112.3
616.4	70°	413.5	242.9	199.4	148.9	120.1	125.4	133.2	114.0	95.8	93.1
551.1	72.5°	336.0	193.3	155.8	114.0	88.8	103.6	113.2	93.1	75.7	74.0
470.1	75°	259.4	141.9	111.4	77.5	64.4	80.1	88.8	67.9	54.0	51.4
363.9	77.5°	173.2	87.9	62.7	48.8	38.3	54.8	59.2	35.7	31.3	30.5
264.6	80°	105.3	40.9	27.0	23.5	13.1	20.0	23.5	14.8	16.5	17.4
141.0	82.5°	53.1	11.3	4.4	0.9	0.0	0.0	7.0	3.5	7.0	8.7
38.3	85°	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.4
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°
1749.8	0°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
1537.4	2.5°	1586.2	1622.7	1657.5	1713.3	1770.7	1827.3	1884.8	1940.5	1960.5	1975.3
1327.6	5°	1403.3	1472.1	1552.2	1662.8	1781.2	1903.0	2026.7	2139.8	2191.2	2226.0
1130.0	7.5°	1214.4	1304.1	1419.0	1585.3	1770.7	1964.8	2159.0	2337.4	2420.1	2487.2
943.7	10°	1027.3	1124.8	1270.1	1459.9	1710.6	1989.2	2257.4	2502.9	2609.9	2694.4
809.6	12.5°	862.7	954.1	1106.5	1316.3	1616.6	1970.1	2313.9	2609.1	2735.3	2830.2
713.9	15°	746.9	811.4	946.3	1172.6	1505.2	1908.3	2317.4	2659.6	2798.0	2897.2
673.8	17.5°	682.5	704.3	792.2	1026.4	1381.6	1827.3	2285.2	2677.0	2825.0	2917.2
638.1	20°	647.7	651.2	675.6	836.6	1223.1	1751.6	2254.7	2694.4	2850.2	2927.7
612.9	22.5°	619.8	619.8	625.9	684.3	1018.6	1661.0	2245.2	2724.8	2885.0	2932.9
584.1	25°	594.6	594.6	596.3	612.0	807.0	1522.6	2239.1	2771.9	2932.9	2946.0
555.4	27.5°	568.5	569.3	569.3	578.1	650.3	1334.6	2213.0	2832.8	2990.4	2963.4
527.6	30°	542.4	544.1	544.1	550.2	575.4	1114.3	2161.6	2905.9	3065.2	2986.0
499.7	32.5°	516.2	518.0	518.0	523.2	541.5	889.7	2097.2	2973.0	3141.0	2995.6
472.7	35°	489.3	491.9	490.1	497.1	516.2	707.8	2015.3	3040.0	3222.8	3026.1
446.6	37.5°	462.3	464.0	463.1	470.1	491.9	611.1	1920.4	3090.5	3334.2	3094.0
418.7	40°	435.3	434.4	434.4	442.2	465.7	583.3	1801.2	3170.6	3494.4	3213.2
390.9	42.5°	407.4	407.4	405.7	414.4	443.1	562.4	1687.1	3314.2	3727.7	3403.0
364.8	45°	382.2	381.3	377.8	385.7	421.3	525.8	1647.1	3582.3	4072.5	3710.3
338.6	47.5°	357.8	356.9	348.2	355.2	395.2	492.7	1796.8	4021.1	4550.4	4162.1
317.8	50°	336.0	336.9	320.4	326.5	369.1	467.5	2121.5	4590.4	5185.0	4770.7
300.3	52.5°	316.0	316.0	294.2	297.7	336.9	444.9	2430.6	5207.7	6022.5	5619.4
282.1	55°	296.0	294.2	269.9	271.6	304.7	412.6	2476.7	5810.1	7164.7	6896.6
262.0	57.5°	273.4	269.9	247.2	247.2	275.1	389.1	2146.8	6273.2	8582.0	8773.5
224.6	60°	245.5	242.9	228.1	223.7	251.6	410.0	1514.8	6327.2	9496.0	11269.4
178.5	62.5°	209.8	213.3	205.5	199.4	229.0	425.7	897.5	5892.8	9274.9	12063.3
138.4	65°	165.4	179.3	177.6	173.2	251.6	358.7	530.2	5058.8	8596.8	11422.6
121.0	67.5°	141.0	150.6	148.0	148.0	263.8	272.5	333.4	3952.3	7663.5	10662.6
101.0	70°	120.1	129.7	120.1	120.1	199.4	165.4	230.7	2759.7	6656.3	9821.6
81.0	72.5°	99.2	108.8	98.4	91.4	159.3	123.6	168.9	1724.6	5700.4	8945.8
57.5	75°	75.7	87.1	79.2	70.5	105.3	92.3	128.0	1002.0	4722.8	7653.9
34.8	77.5°	47.9	62.7	59.2	49.6	77.5	67.0	92.3	596.3	3644.2	5980.7
20.9	80°	29.6	32.2	33.1	31.3	44.4	45.3	62.7	339.5	2494.1	4168.2
13.1	82.5°	19.2	19.2	14.8	16.5	21.8	26.1	35.7	128.0	1466.0	2537.7
7.8	85°	13.9	12.2	7.8	7.8	10.4	13.1	13.9	39.2	594.6	1002.0
3.5	87.5°	7.0	6.1	2.6	3.5	5.2	4.4	3.5	1.7	149.7	320.4
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°
1749.8	0°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
2008.4	2.5°	2025.8	2052.8	2054.5	2054.5	2031.0	2030.1	1982.3	1977.0
2304.4	5°	2385.3	2402.7	2407.1	2398.4	2351.4	2316.6	2223.4	2203.4
2606.4	7.5°	2714.4	2749.2	2749.2	2728.3	2651.7	2580.3	2445.4	2394.9
2856.3	10°	2977.3	3017.4	3008.6	2966.0	2869.4	2771.0	2607.3	2541.2
3007.8	12.5°	3105.3	3146.2	3123.6	3074.8	2980.8	2877.2	2704.8	2630.0
3051.3	15°	3102.7	3091.3	3067.8	3061.7	3016.5	2938.1	2777.1	2695.2
3024.3	17.5°	2992.1	2896.3	2878.1	2939.0	2996.5	2977.3	2839.8	2763.1
2959.9	20°	2817.1	2650.0	2633.4	2750.1	2913.8	2997.3	2898.1	2827.6
2866.7	22.5°	2632.6	2452.4	2414.1	2542.9	2789.3	3003.4	2972.1	2901.6
2764.0	25°	2457.6	2276.5	2238.2	2358.3	2650.8	2993.0	3052.2	2992.1
2665.6	27.5°	2311.3	2136.3	2100.7	2220.8	2517.7	2963.4	3132.3	3089.6
2568.1	30°	2198.2	2036.2	2010.1	2125.9	2402.7	2926.8	3234.1	3210.6
2477.6	32.5°	2132.0	2013.6	2023.2	2118.1	2340.9	2886.8	3331.6	3342.9
2433.2	35°	2197.3	2202.5	2286.1	2325.3	2398.4	2880.7	3463.9	3508.3
2486.3	37.5°	2522.0	2703.1	2876.3	2844.1	2679.6	2951.2	3661.6	3744.3
2717.9	40°	3074.8	3446.5	3727.7	3605.0	3190.6	3167.1	3946.2	4069.9
3128.8	42.5°	3750.4	4380.6	4843.8	4514.7	3849.6	3544.9	4352.8	4510.4
3625.9	45°	4463.3	5532.4	6261.9	5577.7	4552.1	4074.2	4968.3	5091.9
4091.6	47.5°	5214.6	6932.2	7875.9	6756.4	5203.3	4676.6	5807.5	5836.2
4533.0	50°	6036.4	8467.0	9521.3	7934.3	5831.9	5367.0	6833.0	6799.9
5047.5	52.5°	6819.1	10045.4	11131.8	9117.3	6383.8	6223.6	8023.1	7955.2
5750.9	55°	7566.0	11622.8	12751.9	10254.3	6904.4	7355.3	9436.8	9025.9
6765.1	57.5°	8432.2	13040.9	14421.7	11396.5	7632.2	8824.8	11017.8	9647.5
8707.3	60°	9712.8	14652.3	16309.9	12961.7	9016.4	10369.2	11584.5	9529.1
11033.4	62.5°	11347.7	16134.0	17682.8	14495.6	10406.6	10660.0	10749.6	8616.8
10559.0	65°	11665.5	16509.2	17760.2	14905.7	10227.3	9042.5	8776.1	6926.2
9431.6	67.5°	10822.8	15831.1	16677.3	14142.2	9046.8	6988.0	6585.8	5024.9
8691.6	70°	9877.3	14538.3	14789.9	12844.2	7956.9	5139.8	4447.7	3224.5
8185.0	72.5°	8908.4	12813.7	12293.1	11154.5	6993.2	3742.5	3208.0	2292.2
7463.3	75°	7757.5	10545.9	9683.2	9268.0	5790.1	2937.3	2320.9	1581.8
6419.5	77.5°	6212.3	7423.2	7192.5	7183.8	4351.0	2145.9	1548.7	991.6
5015.3	80°	4382.4	4817.7	4700.1	5410.5	2919.0	1556.6	932.4	551.9
3490.9	82.5°	2121.5	2663.9	2734.4	3221.9	1419.9	915.8	215.0	120.1
1365.0	85°	830.5	1284.9	1083.8	1223.1	398.7	255.1	5.2	0.0
224.6	87.5°	93.1	148.9	136.7	107.9	48.8	10.4	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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