

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: P948285

Luminaire Tested: **GALN-SB3B-850-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948285
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-SB3B-850-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 450mA 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: 12334 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

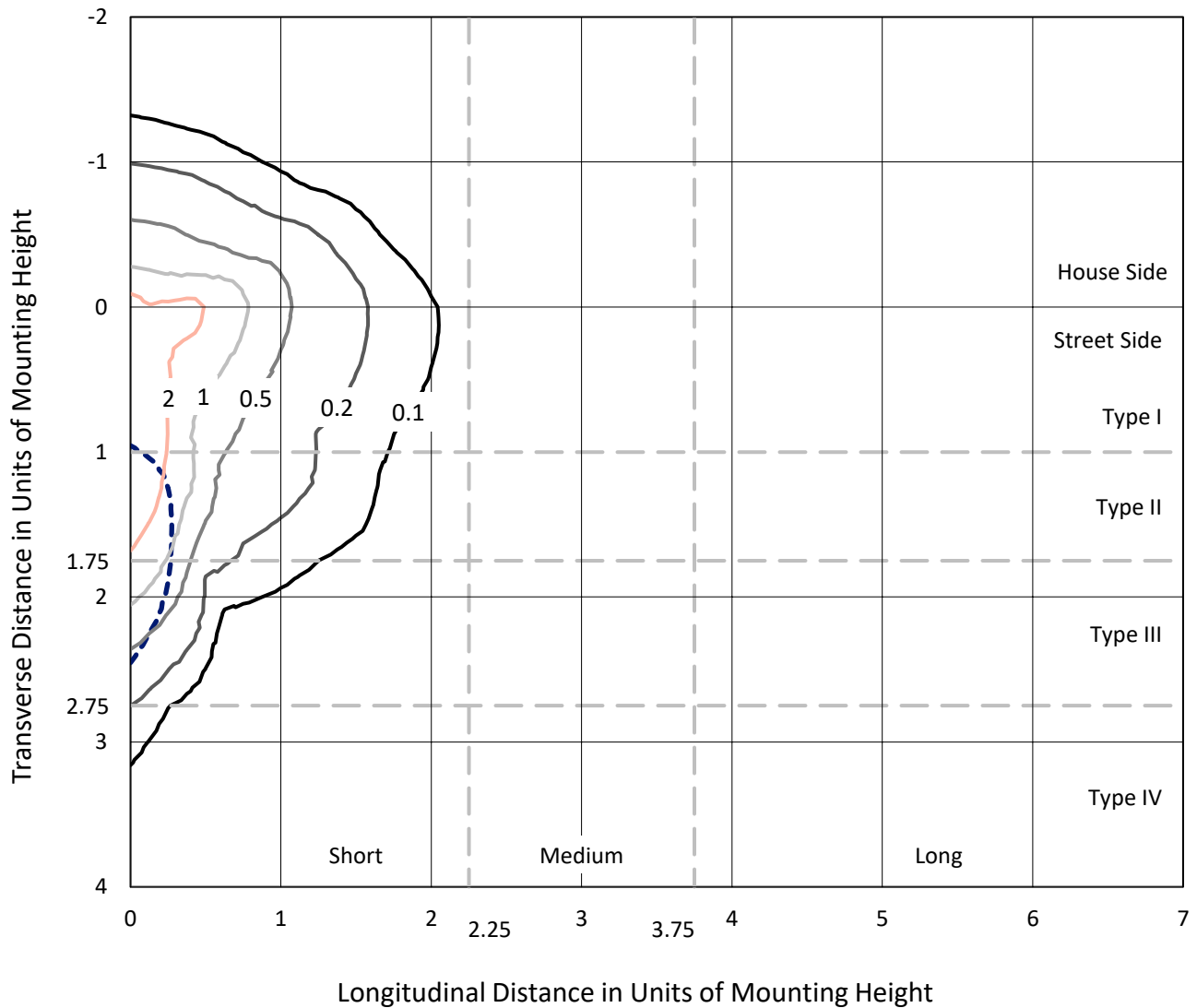
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

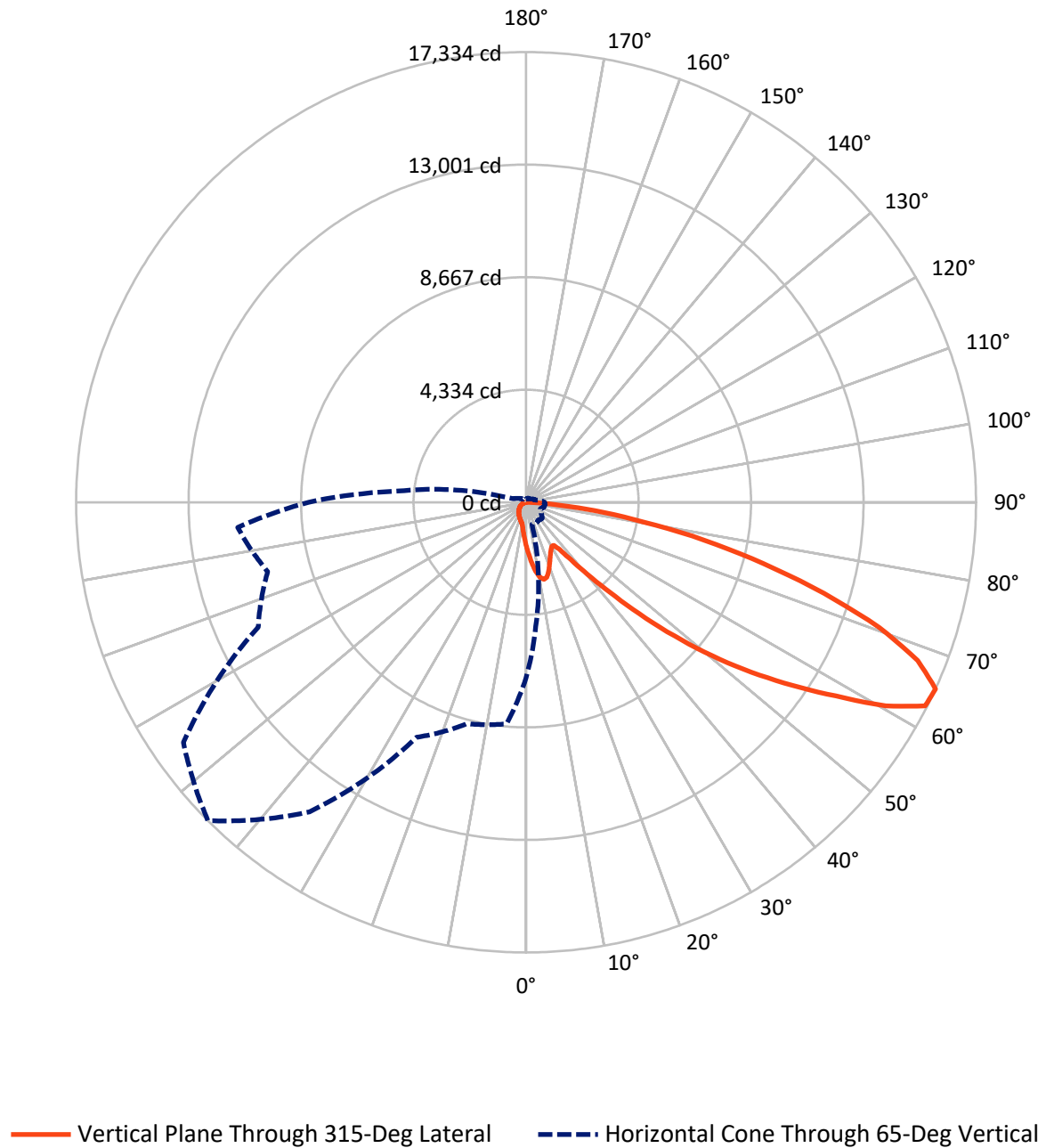
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1727.3	0.0	1727.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	10606.7	0.0	10606.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	12334.0	0.0	12334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	1.4
10°-20°	504.0	4.1
20°-30°	742.6	6.0
30°-40°	954.0	7.7
40°-50°	1542.9	12.5
50°-60°	2705.6	21.9
60°-70°	3385.5	27.4
70°-80°	1978.3	16.0
80°-90°	353.0	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°	12334.0	100.0
0°-180°	12334.0	100.0

Coefficient of Utilization



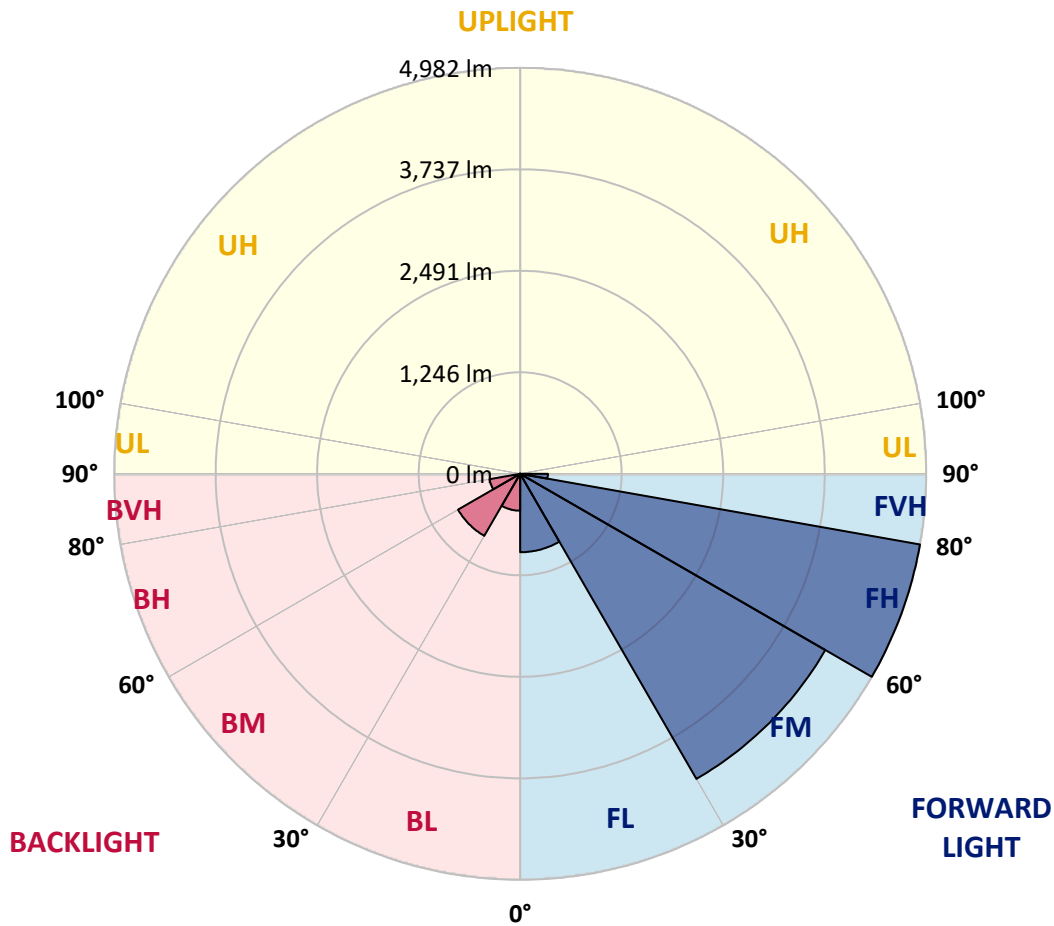
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	962.0	7.8			
FM (30°-60°)	4322.9	35.0			
FH (60°-80°)	4982.4	40.4			G2/5000
FVH (80°-90°)	339.4	2.8			G3/500
BL (0°-30°)	452.8	3.7	B1/500		
BM (30°-60°)	879.6	7.1	B1/1000		
BH (60°-80°)	381.4	3.1	B1/500		G1/500
BVH (80°-90°)	13.6	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°	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9
2.5°	1929.6	1896.5	1877.0	1828.5	1780.1	1741.0	1688.3	1653.5	1611.9	1571.9
5°	2150.5	2097.0	2032.4	1944.1	1863.4	1780.9	1701.1	1622.0	1538.8	1462.3
7.5°	2337.5	2260.2	2146.3	2029.0	1926.2	1826.8	1733.4	1628.8	1527.7	1407.9
10°	2480.2	2381.7	2232.1	2078.3	1960.2	1860.0	1769.0	1680.7	1578.7	1434.3
12.5°	2566.9	2461.5	2283.9	2103.8	1968.7	1856.6	1786.0	1746.9	1707.0	1563.4
15°	2630.6	2516.8	2320.5	2121.7	1949.2	1811.5	1759.7	1798.8	1844.7	1752.9
17.5°	2696.9	2577.1	2368.1	2129.3	1896.5	1724.0	1701.9	1803.0	1909.2	1905.0
20°	2759.8	2640.8	2409.7	2124.2	1811.5	1617.8	1637.3	1766.5	1889.7	1941.5
22.5°	2832.0	2706.2	2449.6	2104.7	1701.1	1518.4	1579.6	1708.7	1816.6	1877.8
25°	2920.4	2788.7	2505.7	2075.8	1582.1	1436.0	1520.9	1641.6	1729.1	1771.6
27.5°	3015.5	2887.2	2580.5	2060.5	1486.1	1377.3	1454.7	1561.7	1639.9	1669.6
30°	3133.6	3001.9	2668.9	2043.5	1423.2	1343.4	1385.8	1469.1	1545.6	1575.3
32.5°	3262.8	3129.4	2753.8	2002.7	1385.0	1317.9	1318.7	1371.4	1441.1	1476.8
35°	3424.2	3282.3	2844.7	1913.5	1354.4	1288.1	1253.3	1278.8	1336.6	1379.0
37.5°	3654.5	3482.9	2956.0	1786.0	1309.4	1242.2	1184.5	1190.4	1234.6	1281.3
40°	3972.3	3752.2	3086.9	1653.5	1244.8	1177.7	1108.8	1106.3	1138.6	1184.5
42.5°	4402.2	4108.2	3244.1	1526.9	1182.8	1099.5	1029.0	1024.7	1050.2	1090.1
45°	4969.8	4563.7	3437.0	1418.1	1134.3	1023.0	953.3	951.6	972.9	1007.7
47.5°	5696.3	5196.7	3629.8	1344.2	1108.8	962.7	891.3	894.7	913.4	944.8
50°	6636.9	6021.7	3688.5	1306.8	1108.8	930.4	836.1	853.1	868.4	892.2
52.5°	7764.4	6813.6	3494.7	1272.8	1115.6	934.7	789.4	825.9	836.9	857.3
55°	8809.5	7201.9	3004.5	1226.1	1117.3	961.0	749.4	803.8	824.2	831.8
57.5°	9416.2	7068.5	2429.2	1147.1	1110.5	978.8	723.9	776.6	815.7	820.8
60°	9300.6	6600.3	1788.6	1086.7	1060.4	972.0	716.3	735.0	797.0	804.7
62.5°	8410.2	5815.2	1241.4	1040.0	949.9	942.3	713.7	669.6	756.2	774.9
65°	6760.1	4578.1	876.9	895.6	832.7	877.7	700.1	601.6	706.9	732.4
67.5°	4904.4	3097.9	633.0	725.6	754.5	773.2	669.6	552.3	650.9	684.8
70°	3147.2	1673.0	444.4	479.2	635.6	656.8	616.9	508.1	593.9	633.0
72.5°	2237.2	988.2	319.5	335.6	510.7	547.2	542.9	458.8	527.7	575.2
75°	1543.9	544.6	215.8	239.6	370.5	444.4	418.9	394.3	446.9	495.4
77.5°	967.8	243.9	129.2	166.5	243.0	349.2	287.2	305.0	348.4	393.4
80°	538.7	94.3	72.2	110.5	132.6	254.1	158.9	196.3	256.6	288.9
82.5°	117.3	11.9	32.3	47.6	51.8	147.8	84.1	113.9	161.4	158.9
85°	0.0	0.0	5.9	6.8	3.4	63.7	30.6	37.4	52.7	49.3
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°
1707.9	0°	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9
1536.2	2.5°	1529.4	1487.8	1457.2	1441.9	1429.2	1441.1	1447.9	1447.9	1476.8	1493.7
1415.6	5°	1385.8	1311.1	1254.1	1215.9	1193.0	1200.6	1209.1	1218.4	1255.0	1279.6
1344.2	7.5°	1286.4	1171.7	1085.0	1031.5	1003.5	1007.7	1013.7	1021.3	1057.0	1081.6
1354.4	10°	1267.7	1102.9	980.5	910.0	876.0	870.1	866.7	864.1	885.4	904.1
1470.0	12.5°	1344.2	1106.3	935.5	849.7	808.0	790.2	769.8	753.7	757.1	769.0
1645.0	15°	1481.0	1149.6	921.1	818.2	766.4	736.7	712.9	693.3	689.1	693.3
1797.9	17.5°	1637.3	1208.3	919.4	791.1	726.5	695.9	676.3	658.5	652.6	653.4
1883.7	20°	1741.0	1255.0	914.3	760.5	688.2	661.1	644.1	626.2	620.3	622.0
1860.0	22.5°	1751.2	1279.6	906.6	726.5	650.0	627.1	610.1	593.9	593.1	593.1
1770.7	25°	1696.0	1279.6	890.5	695.9	613.5	593.1	577.8	558.2	561.6	563.3
1669.6	27.5°	1610.2	1249.0	859.9	671.3	582.0	560.8	545.5	527.7	531.9	534.5
1575.3	30°	1525.2	1209.9	823.3	643.2	552.3	527.7	516.6	501.3	503.0	506.4
1481.8	32.5°	1446.2	1168.3	780.0	620.3	522.6	497.9	489.4	472.4	475.0	478.4
1390.1	35°	1368.0	1122.4	729.0	593.1	495.4	470.7	463.9	444.4	446.1	451.2
1298.3	37.5°	1283.9	1074.0	687.4	565.9	469.0	443.5	436.7	416.3	418.0	424.0
1203.2	40°	1195.5	1026.4	646.6	537.0	441.0	415.5	409.5	387.5	389.2	396.0
1109.7	42.5°	1106.3	974.6	615.2	499.6	412.1	384.9	379.0	358.6	361.1	368.8
1028.1	45°	1023.9	912.6	594.8	458.0	384.9	354.3	348.4	329.7	334.8	343.3
959.3	47.5°	953.3	848.8	586.3	423.1	356.0	322.9	317.8	302.5	311.0	320.3
900.7	50°	893.0	787.7	575.2	387.5	328.8	295.7	290.6	280.4	291.4	300.8
860.7	52.5°	849.7	718.0	551.4	355.2	305.0	272.7	271.0	266.0	276.1	284.6
831.0	55°	812.3	645.8	513.2	327.1	283.8	253.2	254.9	252.4	260.9	267.7
813.1	57.5°	778.3	582.9	464.8	305.0	260.9	236.2	241.3	237.9	242.2	246.4
794.5	60°	737.5	519.2	407.0	280.4	233.7	219.2	225.2	215.8	215.0	216.7
760.5	62.5°	677.2	433.3	346.7	249.8	209.9	200.5	203.1	185.2	171.6	171.6
710.3	65°	593.1	348.4	290.6	215.8	182.7	175.0	173.3	147.8	129.2	127.5
656.0	67.5°	495.4	286.3	241.3	181.8	152.1	147.0	148.7	130.0	111.3	109.6
601.6	70°	403.6	237.1	194.6	145.3	117.3	122.4	130.0	111.3	93.5	90.9
537.8	72.5°	328.0	188.6	152.1	111.3	86.7	101.1	110.5	90.9	73.9	72.2
458.8	75°	253.2	138.5	108.8	75.6	62.9	78.2	86.7	66.3	52.7	50.1
355.2	77.5°	169.1	85.8	61.2	47.6	37.4	53.5	57.8	34.8	30.6	29.7
258.3	80°	102.8	39.9	26.3	22.9	12.7	19.5	22.9	14.4	16.1	17.0
137.6	82.5°	51.8	11.0	4.2	0.8	0.0	0.0	6.8	3.4	6.8	8.5
37.4	85°	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	4.2
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°
1707.9	0°	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9
1500.5	2.5°	1548.1	1583.8	1617.8	1672.2	1728.3	1783.5	1839.6	1893.9	1913.5	1927.9
1295.8	5°	1369.7	1436.8	1515.0	1622.9	1738.5	1857.4	1978.1	2088.5	2138.7	2172.6
1102.9	7.5°	1185.3	1272.8	1385.0	1547.3	1728.3	1917.7	2107.2	2281.4	2362.1	2427.5
921.1	10°	1002.6	1097.8	1239.7	1424.9	1669.6	1941.5	2203.2	2442.8	2547.4	2629.8
790.2	12.5°	842.0	931.3	1079.9	1284.7	1577.9	1922.8	2258.5	2546.5	2669.7	2762.3
696.7	15°	729.0	791.9	923.6	1144.5	1469.1	1862.5	2261.9	2595.8	2730.9	2827.7
657.7	17.5°	666.2	687.4	773.2	1001.8	1348.4	1783.5	2230.4	2612.8	2757.2	2847.3
622.8	20°	632.2	635.6	659.4	816.5	1193.8	1709.6	2200.7	2629.8	2781.9	2857.5
598.2	22.5°	605.0	605.0	610.9	667.9	994.1	1621.2	2191.3	2659.5	2815.9	2862.6
570.1	25°	580.3	580.3	582.0	597.3	787.7	1486.1	2185.4	2705.4	2862.6	2875.3
542.1	27.5°	554.8	555.7	555.7	564.2	634.7	1302.6	2159.9	2764.9	2918.7	2892.3
514.9	30°	529.4	531.1	531.1	537.0	561.6	1087.6	2109.8	2836.2	2991.7	2914.4
487.7	32.5°	503.9	505.6	505.6	510.7	528.5	868.4	2046.9	2901.7	3065.7	2923.8
461.4	35°	477.5	480.1	478.4	485.2	503.9	690.8	1967.0	2967.1	3145.5	2953.5
435.9	37.5°	451.2	452.9	452.0	458.8	480.1	596.5	1874.4	3016.4	3254.3	3019.8
408.7	40°	424.8	424.0	424.0	431.6	454.6	569.3	1758.0	3094.5	3410.6	3136.2
381.5	42.5°	397.7	397.7	396.0	404.4	432.5	548.9	1646.7	3234.7	3638.3	3321.4
356.0	45°	373.0	372.2	368.8	376.4	411.2	513.2	1607.6	3496.4	3974.8	3621.4
330.5	47.5°	349.2	348.4	339.9	346.7	385.8	480.9	1753.7	3924.7	4441.3	4062.3
310.1	50°	328.0	328.8	312.7	318.6	360.3	456.3	2070.7	4480.4	5060.7	4656.3
293.1	52.5°	308.4	308.4	287.2	290.6	328.8	434.2	2372.3	5082.8	5878.1	5484.7
275.3	55°	288.9	287.2	263.4	265.1	297.4	402.8	2417.4	5670.8	6992.9	6731.2
255.8	57.5°	266.8	263.4	241.3	241.3	268.5	379.8	2095.3	6122.8	8376.2	8563.1
219.2	60°	239.6	237.1	222.6	218.4	245.6	400.2	1478.4	6175.5	9268.4	10999.2
174.2	62.5°	204.8	208.2	200.5	194.6	223.5	415.5	876.0	5751.5	9052.5	11774.1
135.1	65°	161.4	175.0	173.3	169.1	245.6	350.1	517.5	4937.5	8390.6	11148.7
118.1	67.5°	137.6	147.0	144.4	144.4	257.5	266.0	325.4	3857.6	7479.8	10406.9
98.6	70°	117.3	126.6	117.3	117.3	194.6	161.4	225.2	2693.5	6496.7	9586.1
79.0	72.5°	96.9	106.2	96.0	89.2	155.5	120.7	164.8	1683.2	5563.7	8731.4
56.1	75°	73.9	85.0	77.3	68.8	102.8	90.1	124.9	978.0	4609.5	7470.4
34.0	77.5°	46.7	61.2	57.8	48.4	75.6	65.4	90.1	582.0	3556.8	5837.3
20.4	80°	28.9	31.4	32.3	30.6	43.3	44.2	61.2	331.4	2434.3	4068.3
12.7	82.5°	18.7	18.7	14.4	16.1	21.2	25.5	34.8	124.9	1430.9	2476.8
7.6	85°	13.6	11.9	7.6	7.6	10.2	12.7	13.6	38.2	580.3	978.0
3.4	87.5°	6.8	5.9	2.5	3.4	5.1	4.2	3.4	1.7	146.1	312.7
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°
1707.9	0°	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9	1707.9
1960.2	2.5°	1977.2	2003.6	2005.3	2005.3	1982.3	1981.5	1934.7	1929.6
2249.1	5°	2328.1	2345.1	2349.4	2340.9	2295.0	2261.0	2170.1	2150.5
2544.0	7.5°	2649.3	2683.3	2683.3	2662.9	2588.1	2518.5	2386.8	2337.5
2787.8	10°	2905.9	2945.0	2936.5	2894.9	2800.6	2704.5	2544.8	2480.2
2935.7	12.5°	3030.8	3070.8	3048.7	3001.1	2909.3	2808.2	2640.0	2566.9
2978.1	15°	3028.3	3017.2	2994.3	2988.3	2944.2	2867.7	2710.5	2630.6
2951.8	17.5°	2920.4	2826.9	2809.1	2868.5	2924.6	2905.9	2771.7	2696.9
2888.9	20°	2749.6	2586.4	2570.3	2684.2	2843.9	2925.5	2828.6	2759.8
2798.0	22.5°	2569.4	2393.6	2356.2	2481.9	2722.4	2931.4	2900.8	2832.0
2697.7	25°	2398.7	2221.9	2184.5	2301.8	2587.3	2921.2	2979.0	2920.4
2601.7	27.5°	2255.9	2085.1	2050.3	2167.5	2457.3	2892.3	3057.2	3015.5
2506.6	30°	2145.5	1987.4	1961.9	2074.9	2345.1	2856.6	3156.6	3133.6
2418.2	32.5°	2080.9	1965.3	1974.7	2067.3	2284.8	2817.6	3251.7	3262.8
2374.9	35°	2144.6	2149.7	2231.3	2269.5	2340.9	2811.6	3380.9	3424.2
2426.7	37.5°	2461.5	2638.3	2807.4	2775.9	2615.3	2880.4	3573.8	3654.5
2652.7	40°	3001.1	3363.9	3638.3	3518.5	3114.1	3091.1	3851.6	3972.3
3053.8	42.5°	3660.4	4275.6	4727.6	4406.5	3757.3	3459.9	4248.4	4402.2
3538.9	45°	4356.3	5399.7	6111.8	5443.9	4443.0	3976.5	4849.1	4969.8
3993.5	47.5°	5089.6	6766.0	7687.1	6594.4	5078.6	4564.5	5668.2	5696.3
4424.3	50°	5891.7	8264.0	9293.0	7744.0	5692.0	5238.3	6669.2	6636.9
4926.5	52.5°	6655.6	9804.5	10864.9	8898.7	6230.7	6074.4	7830.7	7764.4
5613.0	55°	7384.6	11344.1	12446.2	10008.4	6738.8	7179.0	9210.6	8809.5
6602.9	57.5°	8230.0	12728.3	14075.9	11123.2	7449.2	8613.2	10753.6	9416.2
8498.5	60°	9479.9	14301.0	15918.8	12650.9	8800.2	10120.6	11306.7	9300.6
10768.9	62.5°	11075.6	15747.2	17258.8	14148.1	10157.1	10404.4	10491.9	8410.2
10305.8	65°	11385.8	16113.4	17334.4	14548.3	9982.1	8825.7	8565.7	6760.1
9205.5	67.5°	10563.3	15451.5	16277.4	13803.1	8829.9	6820.4	6427.9	4904.4
8483.2	70°	9640.5	14189.7	14435.3	12536.2	7766.1	5016.5	4341.0	3147.2
7988.7	72.5°	8694.8	12506.5	11998.4	10887.0	6825.5	3652.8	3131.1	2237.2
7284.3	75°	7571.5	10293.1	9451.0	9045.7	5651.2	2866.8	2265.3	1543.9
6265.6	77.5°	6063.3	7245.3	7020.1	7011.6	4246.7	2094.5	1511.6	967.8
4895.0	80°	4277.3	4702.1	4587.4	5280.8	2849.0	1519.2	910.0	538.7
3407.2	82.5°	2070.7	2600.0	2668.9	3144.7	1385.8	893.9	209.9	117.3
1332.3	85°	810.6	1254.1	1057.9	1193.8	389.2	249.0	5.1	0.0
219.2	87.5°	90.9	145.3	133.4	105.4	47.6	10.2	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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