

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: P953703

Luminaire Tested: **GALN-SB7A-935-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953703
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-SB7A-935-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 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: 16937 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

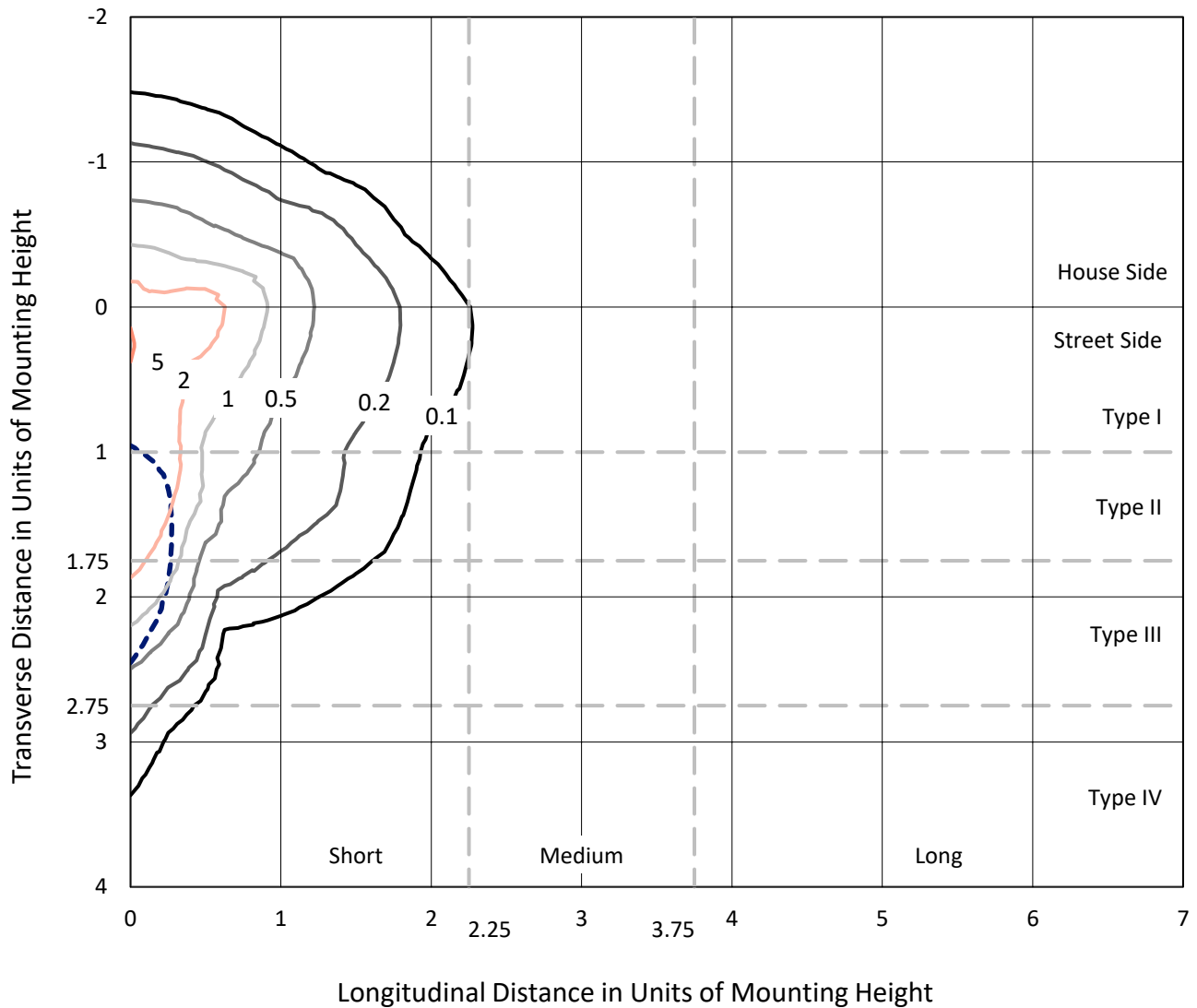
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

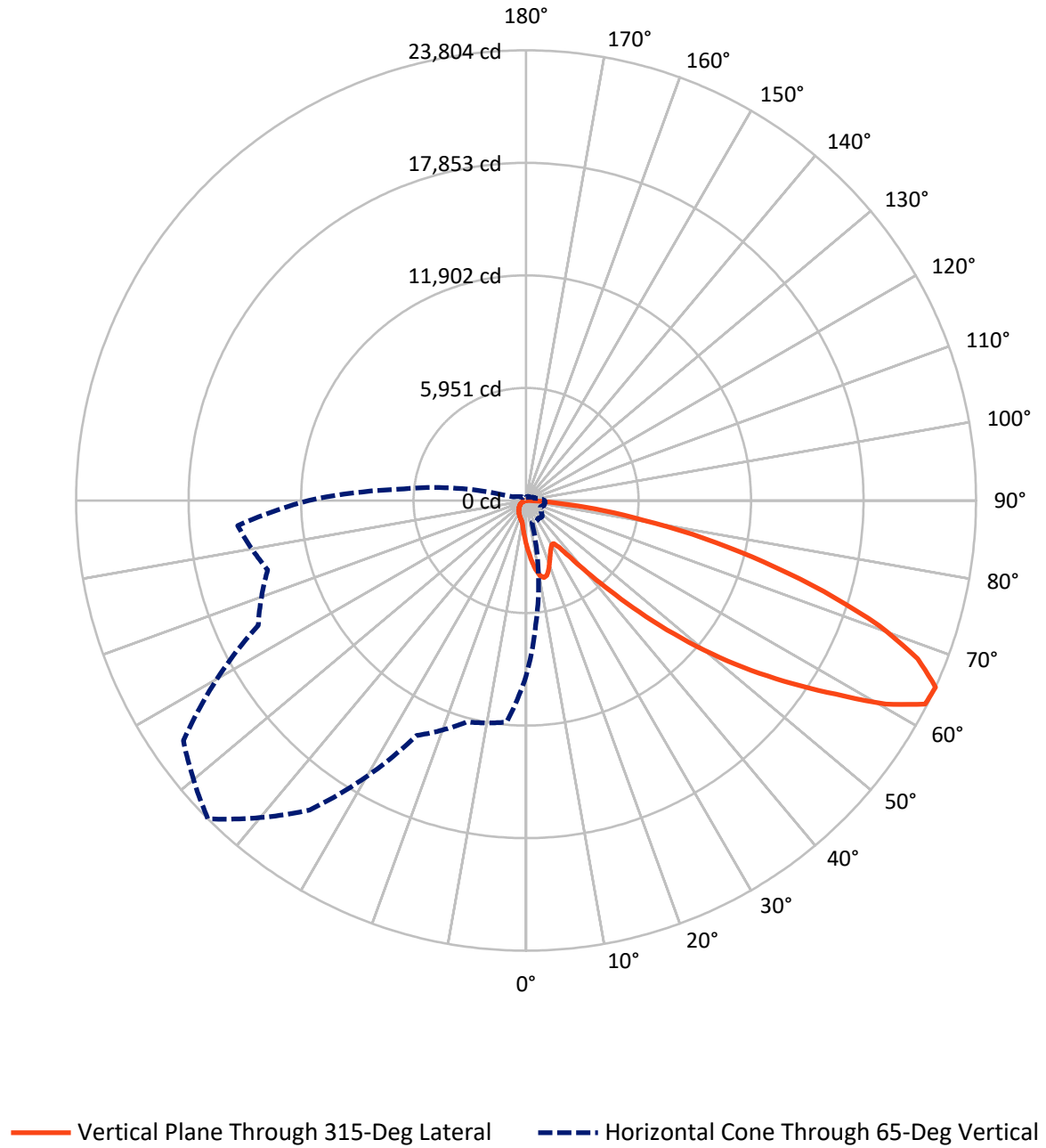
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	2371.9	0.0	2371.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	14565.1	0.0	14565.1
	% Fixture	86.0	0.0	86.0
Total	Lumens	16937.0	0.0	16937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.9	1.4
10°-20°	692.2	4.1
20°-30°	1019.7	6.0
30°-40°	1310.0	7.7
40°-50°	2118.7	12.5
50°-60°	3715.3	21.9
60°-70°	4648.9	27.4
70°-80°	2716.6	16.0
80°-90°	484.7	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°	16937.0	100.0
0°-180°	16937.0	100.0

Coefficient of Utilization



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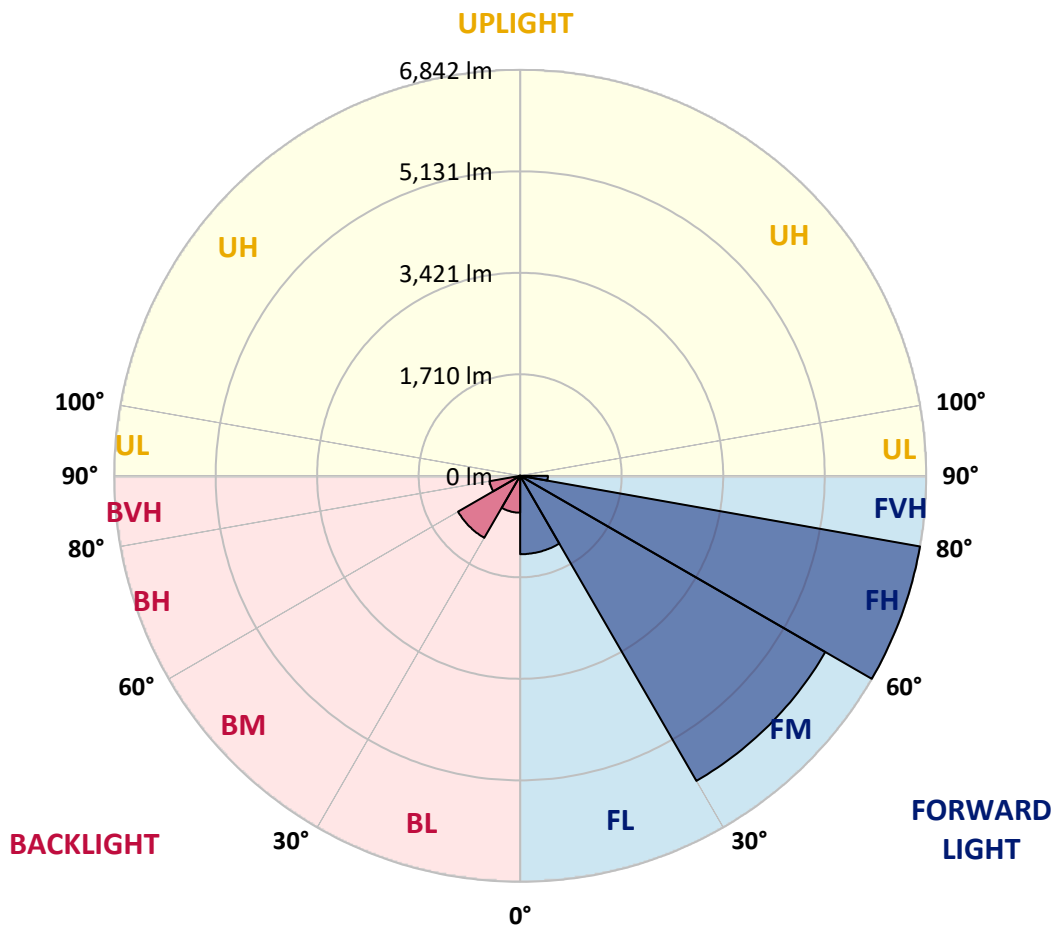
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1321.0	7.8			
FM (30°-60°)	5936.2	35.0			
FH (60°-80°)	6841.8	40.4			G3/7500
FVH (80°-90°)	466.1	2.8			G3/500
BL (0°-30°)	621.7	3.7	B2/1000		
BM (30°-60°)	1207.8	7.1	B2/2500		
BH (60°-80°)	523.7	3.1	B2/1000		G2/1000
BVH (80°-90°)	18.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2.5°	2649.8	2604.3	2577.4	2510.9	2444.4	2390.7	2318.4	2270.6	2213.4	2158.5
5°	2953.1	2879.6	2790.9	2669.6	2558.8	2445.6	2335.9	2227.4	2113.0	2008.0
7.5°	3209.8	3103.6	2947.3	2786.3	2645.1	2508.6	2380.2	2236.7	2097.9	1933.4
10°	3405.8	3270.5	3065.1	2853.9	2691.8	2554.1	2429.2	2307.9	2167.9	1969.5
12.5°	3524.8	3380.2	3136.3	2889.0	2703.4	2549.4	2452.6	2398.9	2344.1	2146.9
15°	3612.4	3456.0	3186.5	2913.5	2676.6	2487.6	2416.4	2470.1	2533.1	2407.1
17.5°	3703.4	3538.9	3251.8	2924.0	2604.3	2367.4	2337.1	2475.9	2621.8	2615.9
20°	3789.7	3626.4	3309.0	2917.0	2487.6	2221.6	2248.4	2425.7	2594.9	2666.1
22.5°	3888.9	3716.2	3363.8	2890.1	2335.9	2085.0	2169.0	2346.4	2494.6	2578.6
25°	4010.2	3829.4	3440.8	2850.4	2172.5	1971.9	2088.5	2254.2	2374.4	2432.7
27.5°	4140.9	3964.7	3543.5	2829.4	2040.7	1891.4	1997.5	2144.5	2251.9	2292.7
30°	4303.1	4122.2	3664.9	2806.1	1954.4	1844.7	1903.0	2017.4	2122.4	2163.2
32.5°	4480.4	4297.3	3781.5	2750.1	1901.9	1809.7	1810.8	1883.2	1978.9	2027.9
35°	4702.1	4507.3	3906.4	2627.6	1859.9	1768.8	1721.0	1756.0	1835.3	1893.7
37.5°	5018.3	4782.6	4059.2	2452.6	1798.0	1705.8	1626.5	1634.7	1695.3	1759.5
40°	5454.7	5152.5	4238.9	2270.6	1709.3	1617.2	1522.7	1519.2	1563.5	1626.5
42.5°	6045.1	5641.4	4454.8	2096.7	1624.2	1509.8	1413.0	1407.1	1442.1	1497.0
45°	6824.5	6266.8	4719.6	1947.4	1557.7	1404.8	1309.1	1306.8	1336.0	1383.8
47.5°	7822.1	7136.0	4984.5	1845.8	1522.7	1322.0	1224.0	1228.6	1254.3	1297.5
50°	9113.7	8269.0	5065.0	1794.5	1522.7	1277.6	1148.1	1171.4	1192.5	1225.1
52.5°	10662.1	9356.4	4799.0	1747.8	1532.0	1283.5	1083.9	1134.1	1149.3	1177.3
55°	12097.2	9889.6	4125.7	1683.7	1534.3	1319.6	1029.1	1103.8	1131.8	1142.3
57.5°	12930.3	9706.5	3335.8	1575.2	1525.0	1344.1	994.1	1066.4	1120.1	1127.1
60°	12771.6	9063.6	2456.1	1492.3	1456.1	1334.8	983.6	1009.3	1094.4	1104.9
62.5°	11548.8	7985.5	1704.7	1428.1	1304.5	1294.0	980.1	919.4	1038.4	1064.1
65°	9282.9	6286.6	1204.1	1229.8	1143.4	1205.3	961.4	826.1	970.8	1005.8
67.5°	6734.7	4254.1	869.3	996.4	1036.1	1061.8	919.4	758.4	893.8	940.4
70°	4321.8	2297.4	610.2	658.1	872.8	901.9	847.1	697.7	815.6	869.3
72.5°	3072.1	1357.0	438.7	460.9	701.2	751.4	745.6	630.1	724.6	789.9
75°	2120.0	747.9	296.4	329.0	508.7	610.2	575.2	541.4	613.7	680.2
77.5°	1329.0	334.9	177.4	228.7	333.7	479.5	394.4	418.9	478.4	540.2
80°	739.7	129.5	99.2	151.7	182.0	348.9	218.2	269.5	352.4	396.7
82.5°	161.0	16.3	44.3	65.3	71.2	203.0	115.5	156.3	221.7	218.2
85°	0.0	0.0	8.2	9.3	4.7	87.5	42.0	51.3	72.3	67.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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°
2345.2	0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2109.5	2.5°	2100.2	2043.0	2001.0	1980.0	1962.5	1978.9	1988.2	1988.2	2027.9	2051.2
1943.9	5°	1903.0	1800.3	1722.2	1669.7	1638.2	1648.7	1660.3	1673.2	1723.3	1757.2
1845.8	7.5°	1766.5	1609.0	1490.0	1416.5	1378.0	1383.8	1392.0	1402.5	1451.5	1485.3
1859.9	10°	1740.8	1514.5	1346.5	1249.6	1203.0	1194.8	1190.1	1186.6	1215.8	1241.5
2018.5	12.5°	1845.8	1519.2	1284.6	1166.8	1109.6	1085.1	1057.1	1034.9	1039.6	1055.9
2258.9	15°	2033.7	1578.7	1264.8	1123.6	1052.4	1011.6	978.9	952.1	946.3	952.1
2468.9	17.5°	2248.4	1659.2	1262.5	1086.3	997.6	955.6	928.8	904.3	896.1	897.3
2586.8	20°	2390.7	1723.3	1255.5	1044.3	945.1	907.8	884.4	859.9	851.8	854.1
2554.1	22.5°	2404.7	1757.2	1245.0	997.6	892.6	861.1	837.7	815.6	814.4	814.4
2431.6	25°	2328.9	1757.2	1222.8	955.6	842.4	814.4	793.4	766.6	771.2	773.6
2292.7	27.5°	2211.1	1715.2	1180.8	921.8	799.2	770.1	749.1	724.6	730.4	733.9
2163.2	30°	2094.4	1661.5	1130.6	883.3	758.4	724.6	709.4	688.4	690.7	695.4
2034.9	32.5°	1985.9	1604.3	1071.1	851.8	717.6	683.7	672.1	648.7	652.2	656.9
1908.9	35°	1878.5	1541.3	1001.1	814.4	680.2	646.4	637.1	610.2	612.6	619.6
1782.8	37.5°	1763.0	1474.8	943.9	777.1	644.1	609.1	599.7	571.7	574.1	582.2
1652.2	40°	1641.7	1409.5	887.9	737.4	605.6	570.6	562.4	532.1	534.4	543.7
1523.8	42.5°	1519.2	1338.3	844.8	686.1	565.9	528.6	520.4	492.4	495.9	506.4
1411.8	45°	1406.0	1253.1	816.7	628.9	528.6	486.5	478.4	452.7	459.7	471.4
1317.3	47.5°	1309.1	1165.6	805.1	581.1	488.9	443.4	436.4	415.4	427.0	439.9
1236.8	50°	1226.3	1081.6	789.9	532.1	451.5	406.0	399.0	385.0	400.2	413.0
1182.0	52.5°	1166.8	985.9	757.2	487.7	418.9	374.5	372.2	365.2	379.2	390.9
1141.1	55°	1115.4	886.8	704.7	449.2	389.7	347.7	350.0	346.5	358.2	367.5
1116.6	57.5°	1068.8	800.4	638.2	418.9	358.2	324.4	331.4	326.7	332.5	338.4
1090.9	60°	1012.8	712.9	558.9	385.0	320.9	301.0	309.2	296.4	295.2	297.5
1044.3	62.5°	929.9	595.1	476.0	343.0	288.2	275.4	278.9	254.4	235.7	235.7
975.4	65°	814.4	478.4	399.0	296.4	250.9	240.4	238.0	203.0	177.4	175.0
900.8	67.5°	680.2	393.2	331.4	249.7	208.9	201.9	204.2	178.5	152.8	150.5
826.1	70°	554.2	325.5	267.2	199.5	161.0	168.0	178.5	152.8	128.3	124.8
738.6	72.5°	450.4	259.0	208.9	152.8	119.0	138.8	151.7	124.8	101.5	99.2
630.1	75°	347.7	190.2	149.3	103.8	86.3	107.3	119.0	91.0	72.3	68.8
487.7	77.5°	232.2	117.8	84.0	65.3	51.3	73.5	79.3	47.8	42.0	40.8
354.7	80°	141.2	54.8	36.2	31.5	17.5	26.8	31.5	19.8	22.2	23.3
189.0	82.5°	71.2	15.2	5.8	1.2	0.0	0.0	9.3	4.7	9.3	11.7
51.3	85°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.8
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°
2345.2	0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2060.5	2.5°	2125.9	2174.9	2221.6	2296.2	2373.2	2449.1	2526.1	2600.8	2627.6	2647.4
1779.3	5°	1880.9	1973.0	2080.4	2228.6	2387.2	2550.6	2716.3	2868.0	2936.8	2983.5
1514.5	7.5°	1627.7	1747.8	1901.9	2124.7	2373.2	2633.4	2893.6	3132.8	3243.7	3333.5
1264.8	10°	1376.8	1507.5	1702.3	1956.7	2292.7	2666.1	3025.5	3354.5	3498.0	3611.2
1085.1	12.5°	1156.3	1278.8	1483.0	1764.2	2166.7	2640.4	3101.3	3496.8	3666.0	3793.2
956.8	15°	1001.1	1087.4	1268.3	1571.7	2017.4	2557.6	3106.0	3564.5	3750.0	3883.1
903.1	17.5°	914.8	943.9	1061.8	1375.6	1851.7	2449.1	3062.8	3587.9	3786.2	3909.9
855.3	20°	868.1	872.8	905.4	1121.3	1639.3	2347.6	3022.0	3611.2	3820.0	3923.9
821.4	22.5°	830.7	830.7	838.9	917.1	1365.1	2226.2	3009.1	3652.0	3866.7	3930.9
782.9	25°	796.9	796.9	799.2	820.2	1081.6	2040.7	3001.0	3715.0	3930.9	3948.4
744.4	27.5°	761.9	763.1	763.1	774.7	871.6	1788.7	2966.0	3796.7	4007.9	3971.7
707.1	30°	726.9	729.2	729.2	737.4	771.2	1493.5	2897.1	3894.7	4108.2	4002.1
669.7	32.5°	691.9	694.2	694.2	701.2	725.7	1192.5	2810.8	3984.6	4209.8	4014.9
633.6	35°	655.7	659.2	656.9	666.2	691.9	948.6	2701.1	4074.4	4319.4	4055.7
598.6	37.5°	619.6	621.9	620.7	630.1	659.2	819.1	2573.9	4142.1	4468.8	4146.7
561.2	40°	583.4	582.2	582.2	592.7	624.2	781.7	2414.1	4249.4	4683.5	4306.6
523.9	42.5°	546.1	546.1	543.7	555.4	593.9	753.7	2261.2	4441.9	4996.2	4561.0
488.9	45°	512.2	511.1	506.4	516.9	564.7	704.7	2207.6	4801.3	5458.2	4972.8
453.9	47.5°	479.5	478.4	466.7	476.0	529.7	660.4	2408.2	5389.4	6098.8	5578.4
425.9	50°	450.4	451.5	429.4	437.5	494.7	626.6	2843.4	6152.4	6949.4	6394.0
402.5	52.5°	423.5	423.5	394.4	399.0	451.5	596.2	3257.7	6979.7	8071.8	7531.6
378.0	55°	396.7	394.4	361.7	364.0	408.4	553.1	3319.5	7787.1	9602.6	9243.2
351.2	57.5°	366.4	361.7	331.4	331.4	368.7	521.6	2877.3	8407.8	11502.1	11758.8
301.0	60°	329.0	325.5	305.7	299.9	337.2	549.6	2030.2	8480.2	12727.3	15104.0
239.2	62.5°	281.2	285.9	275.4	267.2	306.9	570.6	1203.0	7897.9	12430.9	16168.1
185.5	65°	221.7	240.4	238.0	232.2	337.2	480.7	710.6	6780.2	11522.0	15309.4
162.2	67.5°	189.0	201.9	198.4	198.4	353.5	365.2	446.9	5297.2	10271.2	14290.8
135.3	70°	161.0	173.9	161.0	161.0	267.2	221.7	309.2	3698.7	8921.2	13163.6
108.5	72.5°	133.0	145.8	131.8	122.5	213.5	165.7	226.4	2311.4	7640.1	11989.9
77.0	75°	101.5	116.7	106.2	94.5	141.2	123.7	171.5	1343.0	6329.8	10258.4
46.7	77.5°	64.2	84.0	79.3	66.5	103.8	89.8	123.7	799.2	4884.2	8015.8
28.0	80°	39.7	43.2	44.3	42.0	59.5	60.7	84.0	455.0	3342.8	5586.6
17.5	82.5°	25.7	25.7	19.8	22.2	29.2	35.0	47.8	171.5	1964.9	3401.2
10.5	85°	18.7	16.3	10.5	10.5	14.0	17.5	18.7	52.5	796.9	1343.0
4.7	87.5°	9.3	8.2	3.5	4.7	7.0	5.8	4.7	2.3	200.7	429.4
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°
2345.2	0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2691.8	2.5°	2715.1	2751.3	2753.6	2753.6	2722.1	2720.9	2656.8	2649.8
3088.5	5°	3197.0	3220.3	3226.2	3214.5	3151.5	3104.8	2980.0	2953.1
3493.3	7.5°	3638.0	3684.7	3684.7	3656.7	3554.0	3458.3	3277.5	3209.8
3828.2	10°	3990.4	4044.1	4032.4	3975.2	3845.7	3713.9	3494.5	3405.8
4031.2	12.5°	4161.9	4216.8	4186.4	4121.1	3995.1	3856.2	3625.2	3524.8
4089.6	15°	4158.4	4143.2	4111.7	4103.6	4042.9	3937.9	3722.0	3612.4
4053.4	17.5°	4010.2	3881.9	3857.4	3939.1	4016.1	3990.4	3806.0	3703.4
3967.1	20°	3775.7	3551.7	3529.5	3685.9	3905.2	4017.2	3884.2	3789.7
3842.2	22.5°	3528.3	3286.8	3235.5	3408.2	3738.4	4025.4	3983.4	3888.9
3704.5	25°	3293.8	3051.1	2999.8	3160.8	3552.9	4011.4	4090.7	4010.2
3572.7	27.5°	3097.8	2863.3	2815.4	2976.5	3374.3	3971.7	4198.1	4140.9
3442.0	30°	2946.1	2729.1	2694.1	2849.3	3220.3	3922.7	4334.6	4303.1
3320.7	32.5°	2857.5	2698.8	2711.6	2838.8	3137.5	3869.1	4465.3	4480.4
3261.2	35°	2945.0	2952.0	3064.0	3116.5	3214.5	3860.9	4642.6	4702.1
3332.3	37.5°	3380.2	3622.9	3855.0	3811.9	3591.4	3955.4	4907.5	5018.3
3642.7	40°	4121.1	4619.3	4996.2	4831.6	4276.3	4244.8	5289.0	5454.7
4193.4	42.5°	5026.5	5871.2	6492.0	6050.9	5159.5	4751.1	5833.9	6045.1
4859.6	45°	5982.1	7414.9	8392.7	7475.6	6101.1	5460.5	6658.8	6824.5
5483.9	47.5°	6989.0	9291.1	10555.9	9055.4	6973.9	6268.0	7783.6	7822.1
6075.4	50°	8090.5	11348.1	12761.1	10634.1	7816.3	7193.2	9158.1	9113.7
6765.0	52.5°	9139.4	13463.5	14919.6	12219.7	8556.0	8341.3	10753.1	10662.1
7707.8	55°	10140.5	15577.7	17091.0	13743.5	9253.8	9858.1	12647.9	12097.2
9067.1	57.5°	11301.5	17478.4	19328.9	15274.3	10229.2	11827.7	14766.8	12930.3
11670.2	60°	13017.8	19638.1	21859.7	17372.2	12084.4	13897.5	15526.4	12771.6
14787.8	62.5°	15209.0	21624.0	23699.7	19428.1	13947.7	14287.3	14407.4	11548.8
14151.9	65°	15634.9	22126.9	23803.5	19977.6	13707.4	12119.4	11762.3	9282.9
12640.9	67.5°	14505.4	21217.9	22352.0	18954.4	12125.2	9365.8	8826.7	6734.7
11649.2	70°	13238.3	19485.3	19822.5	17214.7	10664.4	6888.7	5961.1	4321.8
10970.1	72.5°	11939.7	17173.9	16476.1	14950.0	9372.8	5016.0	4299.6	3072.1
10002.8	75°	10397.2	14134.4	12978.1	12421.6	7760.3	3936.7	3110.6	2120.0
8603.9	77.5°	8326.2	9949.2	9640.0	9628.3	5831.6	2876.1	2075.7	1329.0
6721.8	80°	5873.6	6457.0	6299.5	7251.6	3912.2	2086.2	1249.6	739.7
4678.8	82.5°	2843.4	3570.4	3664.9	4318.3	1903.0	1227.5	288.2	161.0
1829.5	85°	1113.1	1722.2	1452.6	1639.3	534.4	341.9	7.0	0.0
301.0	87.5°	124.8	199.5	183.2	144.7	65.3	14.0	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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