

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: P948579

Luminaire Tested: **GALN-SB3C-830-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948579
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-SB3C-830-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA 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: 15409 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

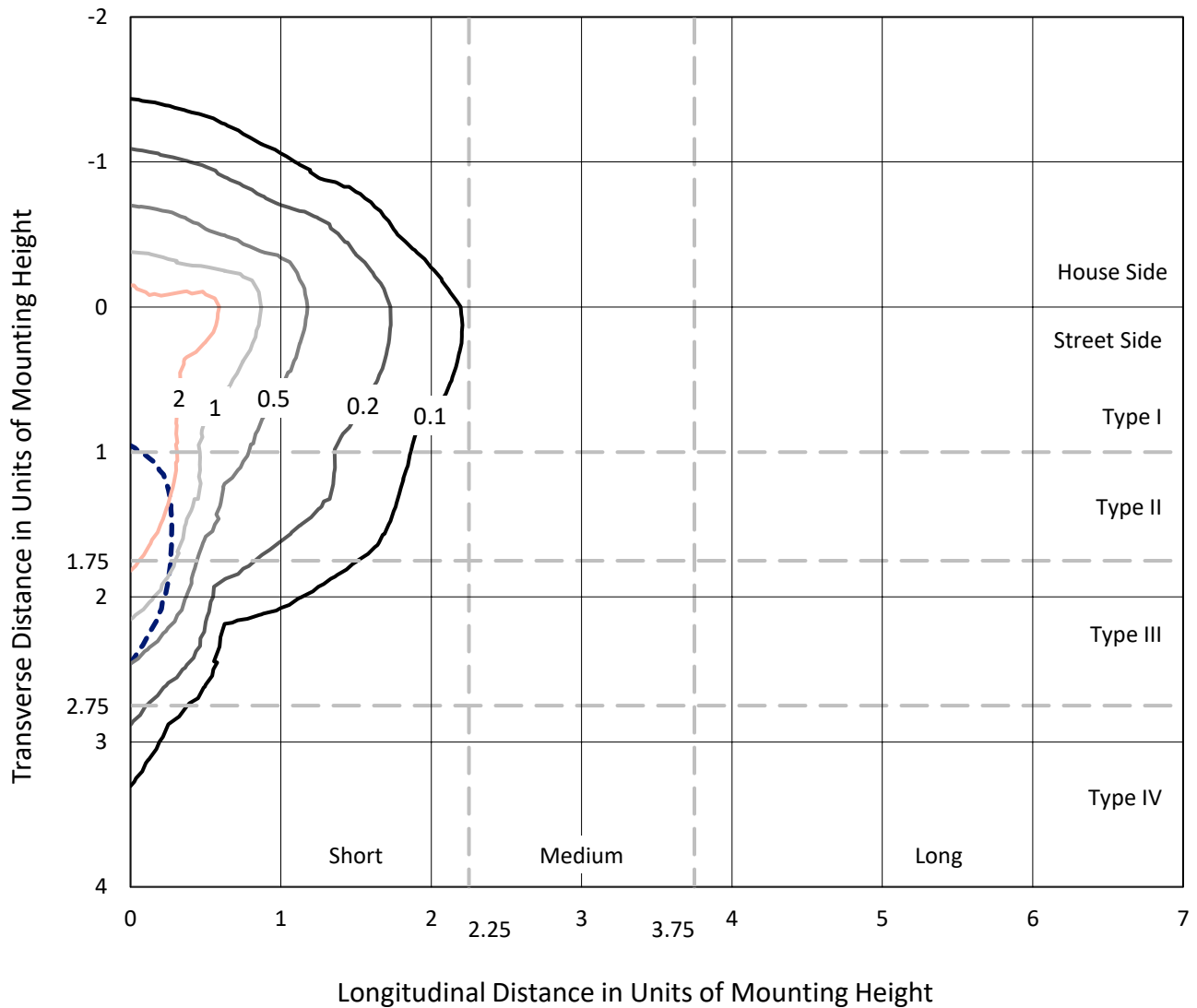
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

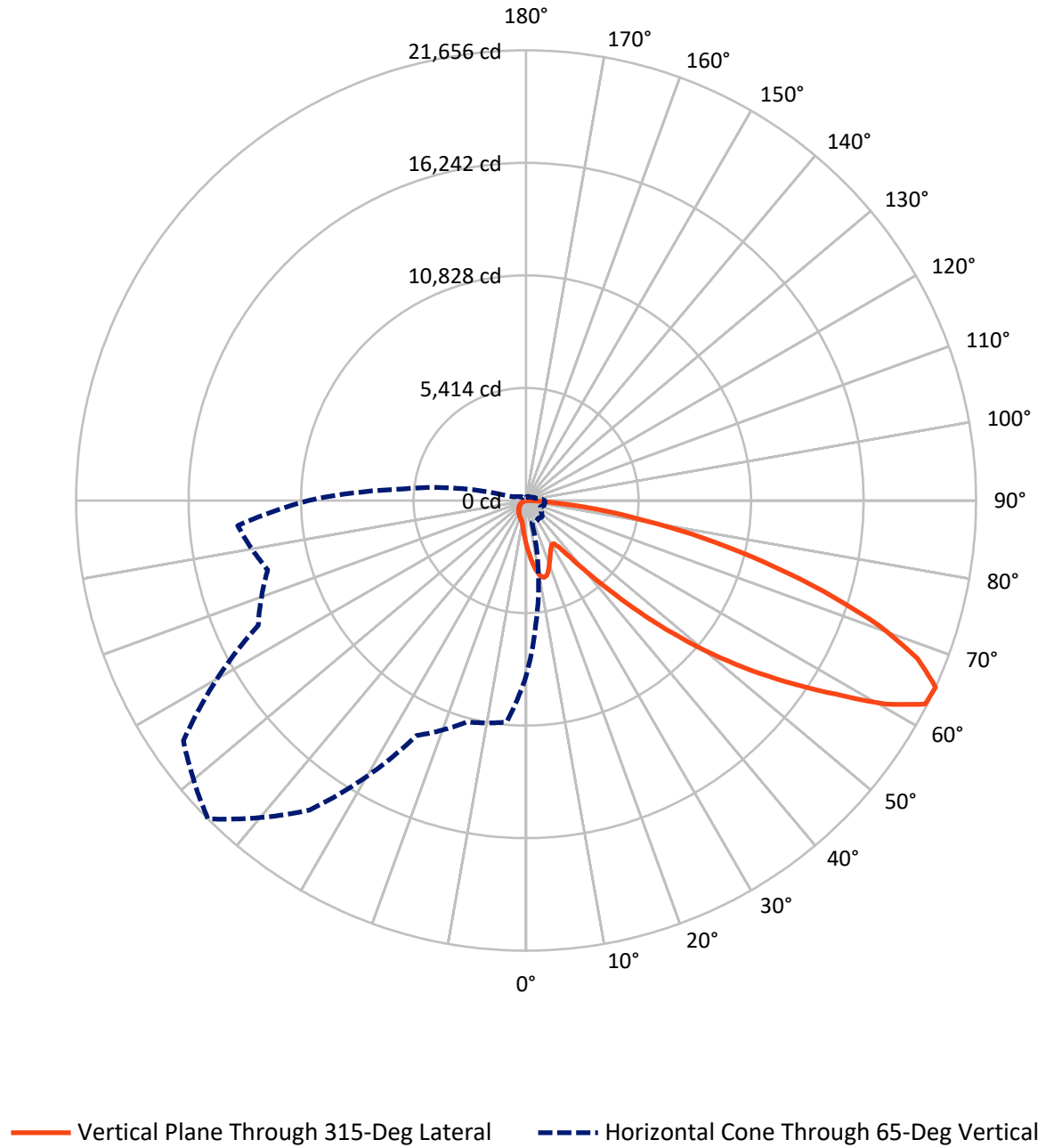
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	2157.9	0.0	2157.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	13251.1	0.0	13251.1
	% Fixture	86.0	0.0	86.0
Total	Lumens	15409.0	0.0	15409.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	1.4
10°-20°	629.7	4.1
20°-30°	927.7	6.0
30°-40°	1191.8	7.7
40°-50°	1927.6	12.5
50°-60°	3380.2	21.9
60°-70°	4229.5	27.4
70°-80°	2471.5	16.0
80°-90°	441.0	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°	15409.0	100.0
0°-180°	15409.0	100.0

Coefficient of Utilization



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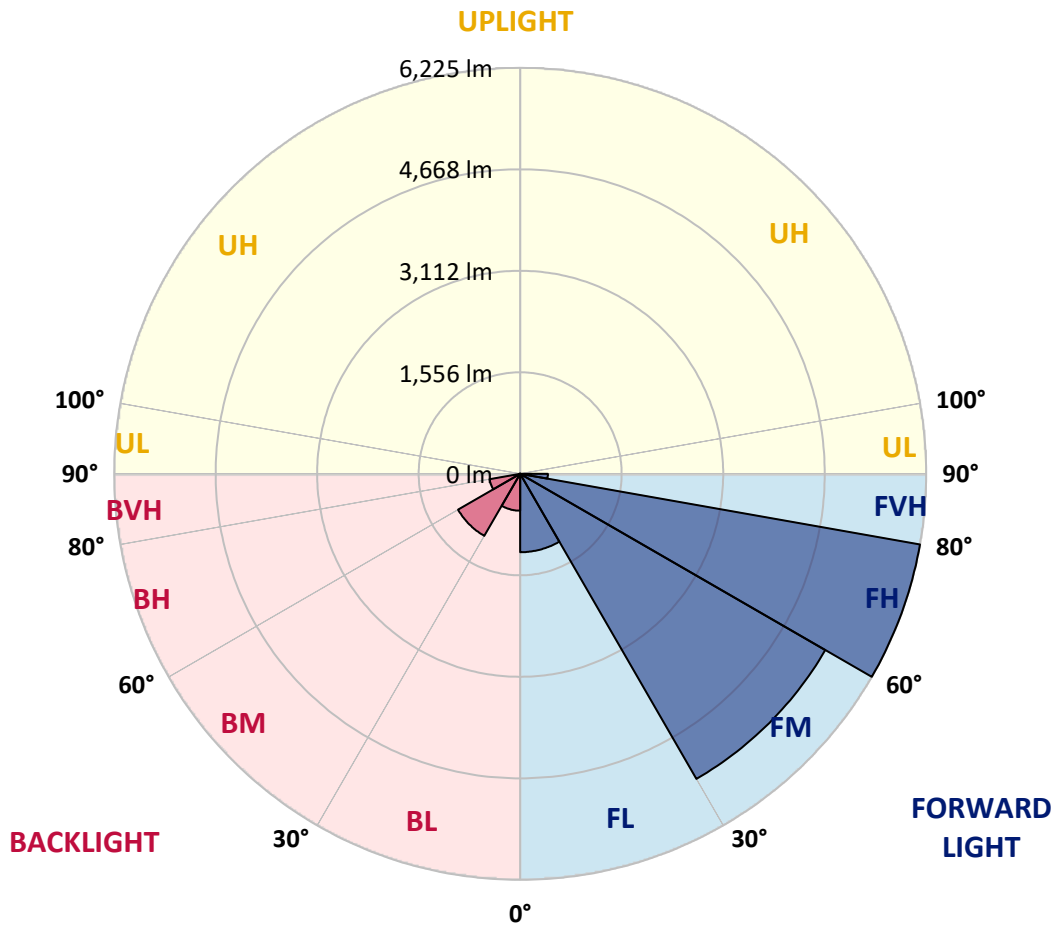
CATALOG NUMBER: GALN-SB3C-830-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1201.8	7.8			
FM (30°-60°)	5400.7	35.0			
FH (60°-80°)	6224.5	40.4			G3/7500
FVH (80°-90°)	424.0	2.8			G3/500
BL (0°-30°)	565.6	3.7	B2/1000		
BM (30°-60°)	1098.9	7.1	B2/2500		
BH (60°-80°)	476.5	3.1	B1/500		G1/500
BVH (80°-90°)	16.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
2.5°	2410.7	2369.3	2344.9	2284.4	2223.9	2175.1	2109.2	2065.7	2013.7	1963.8
5°	2686.7	2619.8	2539.2	2428.8	2327.9	2224.9	2125.2	2026.4	1922.4	1826.9
7.5°	2920.2	2823.6	2681.4	2534.9	2406.5	2282.3	2165.5	2034.9	1908.6	1758.9
10°	3098.6	2975.4	2788.6	2596.5	2448.9	2323.7	2210.1	2099.7	1972.3	1791.8
12.5°	3206.8	3075.2	2853.4	2628.3	2459.5	2319.4	2231.3	2182.5	2132.6	1953.2
15°	3286.5	3144.2	2899.0	2650.6	2435.1	2263.2	2198.4	2247.2	2304.6	2189.9
17.5°	3369.3	3219.6	2958.5	2660.2	2369.3	2153.8	2126.2	2252.5	2385.2	2379.9
20°	3447.8	3299.2	3010.5	2653.8	2263.2	2021.1	2045.5	2206.9	2360.8	2425.6
22.5°	3538.0	3380.9	3060.4	2629.4	2125.2	1896.9	1973.4	2134.7	2269.5	2346.0
25°	3648.4	3483.9	3130.4	2593.3	1976.5	1794.0	1900.1	2050.9	2160.2	2213.3
27.5°	3767.3	3607.0	3223.8	2574.2	1856.6	1720.7	1817.3	1951.1	2048.7	2085.9
30°	3914.9	3750.3	3334.2	2553.0	1778.0	1678.3	1731.3	1835.4	1930.9	1968.1
32.5°	4076.2	3909.6	3440.4	2502.0	1730.3	1646.4	1647.5	1713.3	1800.3	1844.9
35°	4277.9	4100.6	3554.0	2390.5	1692.1	1609.3	1565.7	1597.6	1669.8	1722.8
37.5°	4565.6	4351.2	3693.0	2231.3	1635.8	1551.9	1479.8	1487.2	1542.4	1600.8
40°	4962.6	4687.7	3856.5	2065.7	1555.1	1471.3	1385.3	1382.1	1422.4	1479.8
42.5°	5499.7	5132.4	4052.9	1907.5	1477.6	1373.6	1285.5	1280.2	1312.0	1361.9
45°	6208.8	5701.4	4293.8	1771.7	1417.1	1278.1	1191.0	1188.9	1215.4	1259.0
47.5°	7116.4	6492.3	4534.8	1679.3	1385.3	1202.7	1113.5	1117.8	1141.1	1180.4
50°	8291.5	7523.0	4608.1	1632.6	1385.3	1162.4	1044.5	1065.8	1084.9	1114.6
52.5°	9700.2	8512.3	4366.0	1590.2	1393.8	1167.7	986.2	1031.8	1045.6	1071.1
55°	11005.8	8997.4	3753.5	1531.8	1395.9	1200.6	936.3	1004.2	1029.7	1039.2
57.5°	11763.8	8830.8	3034.9	1433.1	1387.4	1222.9	904.4	970.2	1019.1	1025.4
60°	11619.4	8245.9	2234.5	1357.7	1324.8	1214.4	894.9	918.2	995.7	1005.3
62.5°	10506.9	7265.0	1550.9	1299.3	1186.8	1177.2	891.7	836.5	944.8	968.1
65°	8445.4	5719.5	1095.5	1118.8	1040.3	1096.5	874.7	751.6	883.2	915.0
67.5°	6127.1	3870.3	790.8	906.5	942.6	966.0	836.5	690.0	813.1	855.6
70°	3931.9	2090.1	555.2	598.7	794.0	820.6	770.7	634.8	742.0	790.8
72.5°	2795.0	1234.5	399.1	419.3	638.0	683.6	678.3	573.2	659.2	718.6
75°	1928.8	680.4	269.6	299.3	462.8	555.2	523.3	492.5	558.4	618.9
77.5°	1209.1	304.7	161.4	208.1	303.6	436.3	358.8	381.1	435.2	491.5
80°	673.0	117.8	90.2	138.0	165.6	317.4	198.5	245.2	320.6	360.9
82.5°	146.5	14.9	40.3	59.4	64.8	184.7	105.1	142.2	201.7	198.5
85°	0.0	0.0	7.4	8.5	4.2	79.6	38.2	46.7	65.8	61.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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°
2133.7	0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
1919.2	2.5°	1910.7	1858.7	1820.5	1801.4	1785.5	1800.3	1808.8	1808.8	1844.9	1866.2
1768.5	5°	1731.3	1637.9	1566.8	1519.0	1490.4	1499.9	1510.5	1522.2	1567.9	1598.6
1679.3	7.5°	1607.1	1463.8	1355.6	1288.7	1253.7	1259.0	1266.4	1275.9	1320.5	1351.3
1692.1	10°	1583.8	1377.9	1225.0	1136.9	1094.4	1087.0	1082.7	1079.6	1106.1	1129.5
1836.4	12.5°	1679.3	1382.1	1168.7	1061.5	1009.5	987.2	961.7	941.6	945.8	960.7
2055.1	15°	1850.2	1436.2	1150.7	1022.2	957.5	920.3	890.6	866.2	860.9	866.2
2246.2	17.5°	2045.5	1509.5	1148.6	988.3	907.6	869.4	845.0	822.7	815.2	816.3
2353.4	20°	2175.1	1567.9	1142.2	950.1	859.8	825.9	804.6	782.3	774.9	777.0
2323.7	22.5°	2187.8	1598.6	1132.6	907.6	812.1	783.4	762.2	742.0	740.9	740.9
2212.2	25°	2118.8	1598.6	1112.5	869.4	766.4	740.9	721.8	697.4	701.7	703.8
2085.9	27.5°	2011.6	1560.4	1074.3	838.6	727.1	700.6	681.5	659.2	664.5	667.7
1968.1	30°	1905.4	1511.6	1028.6	803.6	690.0	659.2	645.4	626.3	628.4	632.7
1851.3	32.5°	1806.7	1459.6	974.5	774.9	652.8	622.1	611.4	590.2	593.4	597.6
1736.6	35°	1709.0	1402.3	910.8	740.9	618.9	588.1	579.6	555.2	557.3	563.7
1622.0	37.5°	1604.0	1341.8	858.8	707.0	586.0	554.1	545.6	520.1	522.3	529.7
1503.1	40°	1493.6	1282.3	807.8	670.9	550.9	519.1	511.7	484.1	486.2	494.7
1386.3	42.5°	1382.1	1217.6	768.5	624.2	514.8	480.9	473.4	448.0	451.1	460.7
1284.4	45°	1279.1	1140.1	743.1	572.2	480.9	442.7	435.2	411.9	418.2	428.9
1198.5	47.5°	1191.0	1060.5	732.4	528.6	444.8	403.4	397.0	377.9	388.5	400.2
1125.2	50°	1115.7	984.0	718.6	484.1	410.8	369.4	363.0	350.3	364.1	375.8
1075.3	52.5°	1061.5	897.0	688.9	443.7	381.1	340.7	338.6	332.3	345.0	355.6
1038.2	55°	1014.8	806.8	641.2	408.7	354.5	316.3	318.5	315.3	325.9	334.4
1015.9	57.5°	972.4	728.2	580.7	381.1	325.9	295.1	301.5	297.2	302.5	307.8
992.5	60°	921.4	648.6	508.5	350.3	291.9	273.9	281.3	269.6	268.6	270.7
950.1	62.5°	846.0	541.4	433.1	312.1	262.2	250.5	253.7	231.4	214.4	214.4
887.4	65°	740.9	435.2	363.0	269.6	228.2	218.7	216.5	184.7	161.4	159.2
819.5	67.5°	618.9	357.7	301.5	227.2	190.0	183.6	185.8	162.4	139.1	136.9
751.6	70°	504.2	296.2	243.1	181.5	146.5	152.9	162.4	139.1	116.8	113.6
671.9	72.5°	409.7	235.7	190.0	139.1	108.3	126.3	138.0	113.6	92.4	90.2
573.2	75°	316.3	173.0	135.9	94.5	78.6	97.7	108.3	82.8	65.8	62.6
443.7	77.5°	211.2	107.2	76.4	59.4	46.7	66.9	72.2	43.5	38.2	37.2
322.7	80°	128.4	49.9	32.9	28.7	15.9	24.4	28.7	18.0	20.2	21.2
172.0	82.5°	64.8	13.8	5.3	1.1	0.0	0.0	8.5	4.2	8.5	10.6
46.7	85°	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.3
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°
2133.7	0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
1874.6	2.5°	1934.1	1978.7	2021.1	2089.1	2159.1	2228.1	2298.2	2366.1	2390.5	2408.6
1618.8	5°	1711.2	1795.0	1892.7	2027.5	2171.9	2320.5	2471.2	2609.2	2671.8	2714.3
1377.9	7.5°	1480.8	1590.2	1730.3	1933.0	2159.1	2395.8	2632.6	2850.2	2951.0	3032.8
1150.7	10°	1252.6	1371.5	1548.8	1780.2	2085.9	2425.6	2752.5	3051.9	3182.4	3285.4
987.2	12.5°	1052.0	1163.4	1349.2	1605.0	1971.2	2402.2	2821.5	3181.4	3335.3	3451.0
870.4	15°	910.8	989.3	1153.9	1429.9	1835.4	2326.8	2825.8	3242.9	3411.7	3532.7
821.6	17.5°	832.2	858.8	966.0	1251.5	1684.6	2228.1	2786.5	3264.2	3444.6	3557.2
778.1	20°	789.8	794.0	823.7	1020.1	1491.4	2135.8	2749.3	3285.4	3475.4	3569.9
747.3	22.5°	755.8	755.8	763.2	834.4	1242.0	2025.4	2737.7	3322.6	3517.9	3576.3
712.3	25°	725.0	725.0	727.1	746.2	984.0	1856.6	2730.2	3379.9	3576.3	3592.2
677.2	27.5°	693.2	694.2	694.2	704.8	793.0	1627.3	2698.4	3454.2	3646.3	3613.4
643.3	30°	661.3	663.4	663.4	670.9	701.7	1358.7	2635.8	3543.4	3737.6	3641.0
609.3	32.5°	629.5	631.6	631.6	638.0	660.3	1084.9	2557.2	3625.1	3830.0	3652.7
576.4	35°	596.6	599.8	597.6	606.1	629.5	863.0	2457.4	3706.8	3929.7	3689.8
544.6	37.5°	563.7	565.8	564.7	573.2	599.8	745.2	2341.7	3768.4	4065.6	3772.6
510.6	40°	530.8	529.7	529.7	539.3	567.9	711.2	2196.3	3866.1	4260.9	3918.1
476.6	42.5°	496.8	496.8	494.7	505.3	540.3	685.7	2057.2	4041.2	4545.4	4149.5
444.8	45°	466.0	464.9	460.7	470.3	513.8	641.2	2008.4	4368.2	4965.8	4524.2
412.9	47.5°	436.3	435.2	424.6	433.1	481.9	600.8	2191.0	4903.2	5548.6	5075.1
387.5	50°	409.7	410.8	390.6	398.1	450.1	570.0	2586.9	5597.4	6322.4	5817.1
366.2	52.5°	385.3	385.3	358.8	363.0	410.8	542.4	2963.8	6350.0	7343.6	6852.1
343.9	55°	360.9	358.8	329.1	331.2	371.5	503.2	3020.0	7084.6	8736.3	8409.4
319.5	57.5°	333.3	329.1	301.5	301.5	335.4	474.5	2617.7	7649.3	10464.5	10698.0
273.9	60°	299.3	296.2	278.1	272.8	306.8	500.0	1847.0	7715.1	11579.1	13741.4
217.6	62.5°	255.8	260.1	250.5	243.1	279.2	519.1	1094.4	7185.4	11309.4	14709.5
168.8	65°	201.7	218.7	216.5	211.2	306.8	437.3	646.5	6168.5	10482.5	13928.2
147.6	67.5°	172.0	183.6	180.5	180.5	321.6	332.3	406.6	4819.3	9344.6	13001.5
123.1	70°	146.5	158.2	146.5	146.5	243.1	201.7	281.3	3365.0	8116.4	11976.1
98.7	72.5°	121.0	132.7	120.0	111.5	194.3	150.7	205.9	2102.9	6950.8	10908.2
70.1	75°	92.4	106.2	96.6	86.0	128.4	112.5	156.0	1221.8	5758.7	9332.9
42.5	77.5°	58.4	76.4	72.2	60.5	94.5	81.7	112.5	727.1	4443.5	7292.6
25.5	80°	36.1	39.3	40.3	38.2	54.1	55.2	76.4	414.0	3041.3	5082.6
15.9	82.5°	23.4	23.4	18.0	20.2	26.5	31.8	43.5	156.0	1787.6	3094.3
9.6	85°	17.0	14.9	9.6	9.6	12.7	15.9	17.0	47.8	725.0	1221.8
4.2	87.5°	8.5	7.4	3.2	4.2	6.4	5.3	4.2	2.1	182.6	390.6
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°
2133.7	0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
2448.9	2.5°	2470.2	2503.1	2505.2	2505.2	2476.5	2475.5	2417.1	2410.7
2809.8	5°	2908.6	2929.8	2935.1	2924.5	2867.2	2824.7	2711.1	2686.7
3178.2	7.5°	3309.8	3352.3	3352.3	3326.8	3233.4	3146.3	2981.8	2920.2
3482.8	10°	3630.4	3679.2	3668.6	3616.6	3498.8	3378.8	3179.2	3098.6
3667.5	12.5°	3786.4	3836.3	3808.7	3749.3	3634.6	3508.3	3298.1	3206.8
3720.6	15°	3783.3	3769.5	3740.8	3733.4	3678.2	3582.6	3386.2	3286.5
3687.7	17.5°	3648.4	3531.7	3509.4	3583.7	3653.7	3630.4	3462.7	3369.3
3609.2	20°	3435.1	3231.3	3211.1	3353.3	3552.9	3654.8	3533.8	3447.8
3495.6	22.5°	3210.0	2990.3	2943.6	3100.7	3401.1	3662.2	3624.0	3538.0
3370.3	25°	2996.7	2775.9	2729.2	2875.7	3232.3	3649.5	3721.7	3648.4
3250.4	27.5°	2818.3	2605.0	2561.4	2707.9	3069.9	3613.4	3819.3	3767.3
3131.5	30°	2680.3	2482.9	2451.0	2592.2	2929.8	3568.8	3943.5	3914.9
3021.1	32.5°	2599.7	2455.3	2467.0	2582.7	2854.4	3520.0	4062.4	4076.2
2966.9	35°	2679.3	2685.6	2787.5	2835.3	2924.5	3512.6	4223.8	4277.9
3031.7	37.5°	3075.2	3296.0	3507.3	3468.0	3267.4	3598.5	4464.7	4565.6
3314.1	40°	3749.3	4202.6	4545.4	4395.8	3890.5	3861.8	4811.9	4962.6
3815.1	42.5°	4573.0	5341.6	5906.3	5505.0	4694.0	4322.5	5307.6	5499.7
4421.2	45°	5442.4	6746.0	7635.5	6801.2	5550.7	4967.9	6058.1	6208.8
4989.1	47.5°	6358.5	8452.9	9603.6	8238.4	6344.7	5702.5	7081.4	7116.4
5527.3	50°	7360.6	10324.3	11609.8	9674.7	7111.1	6544.3	8331.9	8291.5
6154.7	52.5°	8314.9	12248.9	13573.6	11117.3	7784.1	7588.8	9783.0	9700.2
7012.4	55°	9225.7	14172.3	15549.1	12503.6	8418.9	8968.8	11506.9	11005.8
8249.1	57.5°	10281.9	15901.6	17585.1	13896.3	9306.3	10760.6	13434.6	11763.8
10617.3	60°	11843.4	17866.4	19887.6	15805.0	10994.2	12643.8	14125.6	11619.4
13453.7	62.5°	13836.9	19673.1	21561.6	17675.4	12689.4	12998.3	13107.6	10506.9
12875.2	65°	14224.4	20130.6	21656.1	18175.3	12470.7	11026.0	10701.2	8445.4
11500.5	67.5°	13196.8	19303.7	20335.5	17244.4	11031.3	8520.8	8030.4	6127.1
10598.2	70°	12044.0	17727.4	18034.1	15661.7	9702.3	6267.2	5423.3	3931.9
9980.4	72.5°	10862.5	15624.5	14989.7	13601.2	8527.2	4563.5	3911.7	2795.0
9100.4	75°	9459.2	12859.2	11807.3	11300.9	7060.2	3581.6	2830.0	1928.8
7827.6	77.5°	7575.0	9051.6	8770.3	8759.7	5305.5	2616.6	1888.4	1209.1
6115.4	80°	5343.7	5874.4	5731.1	6597.3	3559.3	1898.0	1136.9	673.0
4256.7	82.5°	2586.9	3248.2	3334.2	3928.7	1731.3	1116.7	262.2	146.5
1664.5	85°	1012.7	1566.8	1321.6	1491.4	486.2	311.0	6.4	0.0
273.9	87.5°	113.6	181.5	166.7	131.6	59.4	12.7	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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