

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: P948474

Luminaire Tested: **GALN-SB3C-735-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948474
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-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 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: 17149 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

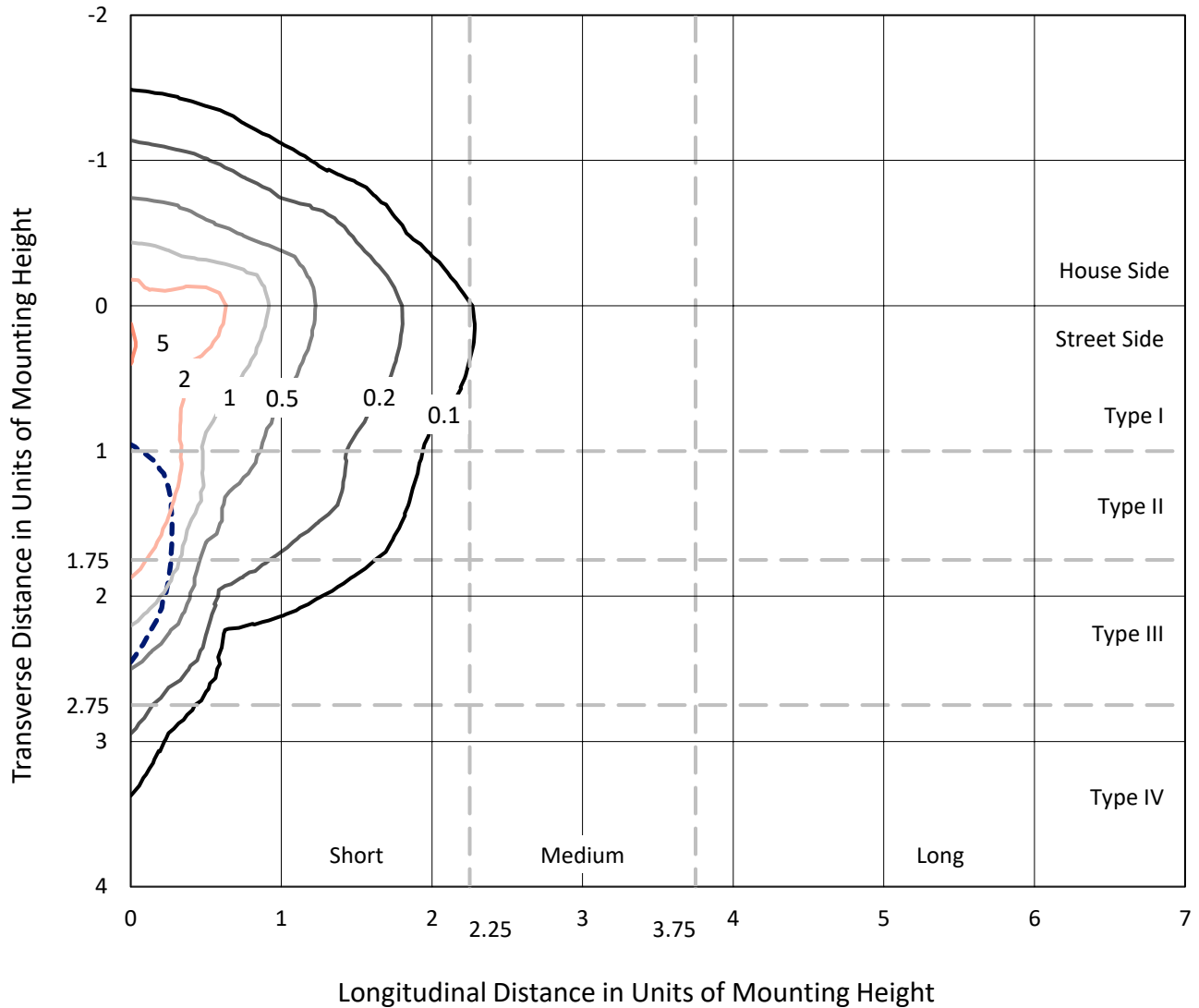
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

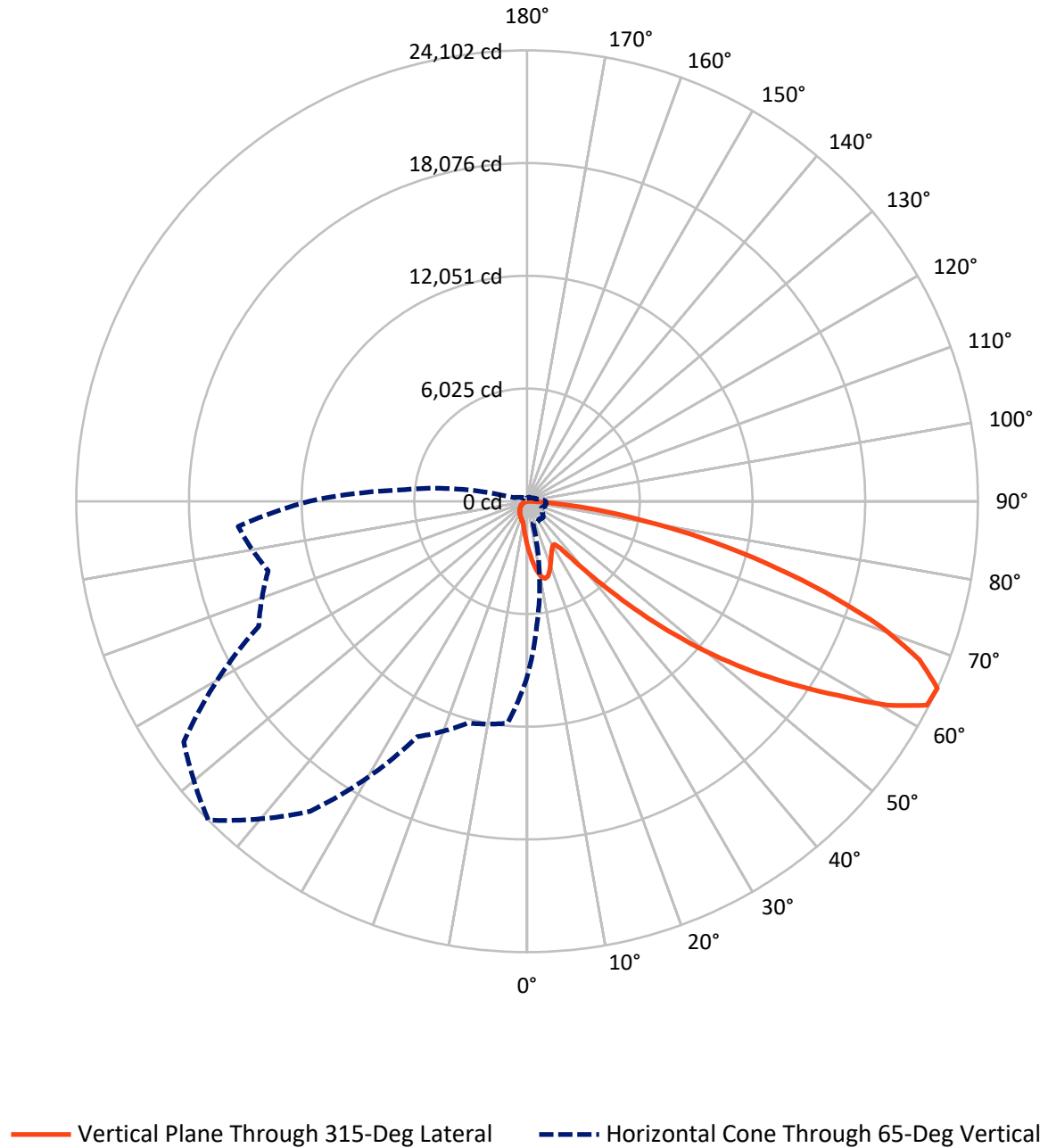
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	2401.6	0.0	2401.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	14747.4	0.0	14747.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	17149.0	0.0	17149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	1.4
10°-20°	700.8	4.1
20°-30°	1032.5	6.0
30°-40°	1326.4	7.7
40°-50°	2145.2	12.5
50°-60°	3761.8	21.9
60°-70°	4707.1	27.4
70°-80°	2750.6	16.0
80°-90°	490.8	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°	17149.0	100.0
0°-180°	17149.0	100.0

Coefficient of Utilization



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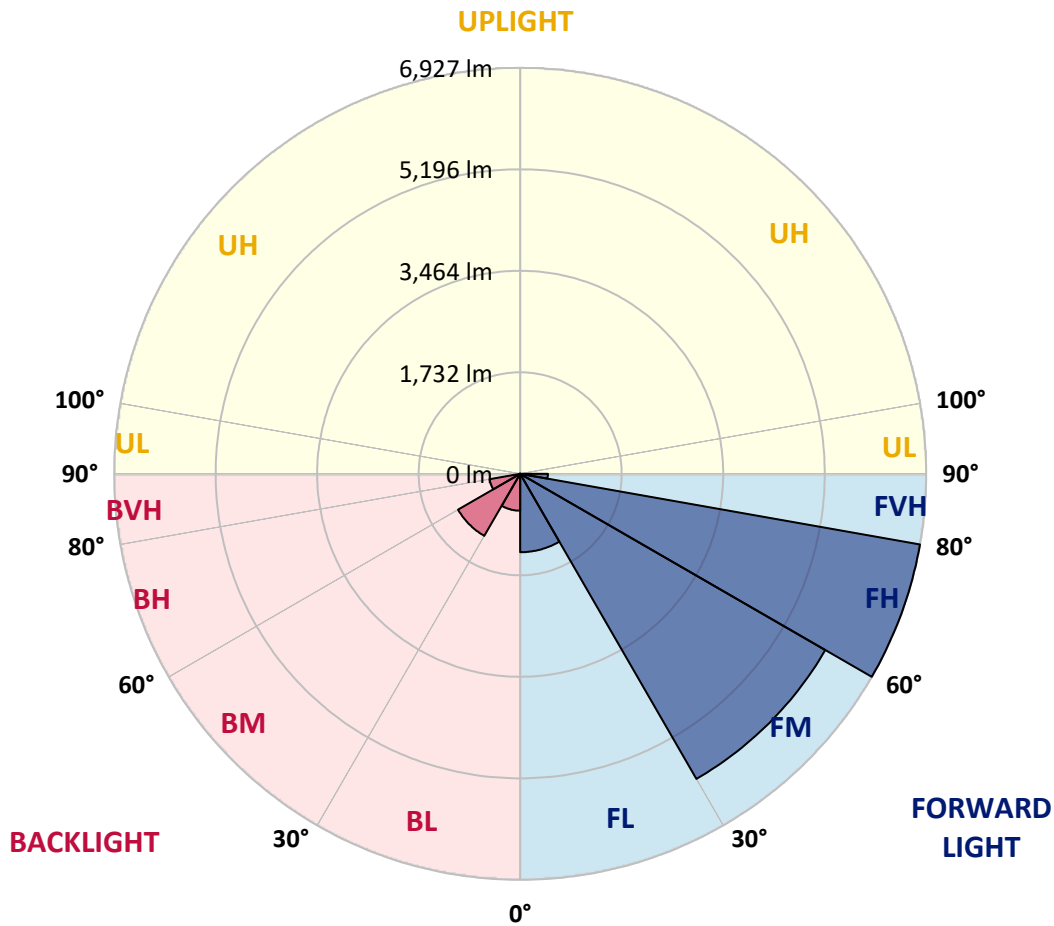
CATALOG NUMBER: GALN-SB3C-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1337.6	7.8			
FM (30°-60°)	6010.5	35.0			
FH (60°-80°)	6927.4	40.4			G3/7500
FVH (80°-90°)	471.9	2.8			G3/500
BL (0°-30°)	629.5	3.7	B2/1000		
BM (30°-60°)	1222.9	7.1	B2/2500		
BH (60°-80°)	530.3	3.1	B2/1000		G2/1000
BVH (80°-90°)	18.9	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°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2.5°	2682.9	2636.9	2609.7	2542.3	2475.0	2420.7	2347.4	2299.0	2241.1	2185.6
5°	2990.1	2915.7	2825.9	2703.0	2590.8	2476.2	2365.1	2255.3	2139.5	2033.2
7.5°	3250.0	3142.5	2984.2	2821.2	2678.2	2540.0	2410.0	2264.7	2124.1	1957.6
10°	3448.5	3311.4	3103.5	2889.7	2725.5	2586.1	2459.6	2336.8	2195.0	1994.2
12.5°	3569.0	3422.5	3175.6	2925.1	2737.3	2581.3	2483.3	2428.9	2373.4	2173.8
15°	3657.6	3499.3	3226.4	2949.9	2710.1	2518.7	2446.7	2501.0	2564.8	2437.2
17.5°	3749.7	3583.1	3292.5	2960.6	2636.9	2397.0	2366.3	2506.9	2654.6	2648.7
20°	3837.1	3671.8	3350.4	2953.5	2518.7	2249.4	2276.5	2456.1	2627.4	2699.5
22.5°	3937.6	3762.7	3405.9	2926.3	2365.1	2111.1	2196.2	2375.8	2525.8	2610.9
25°	4060.4	3877.3	3483.9	2886.1	2199.7	1996.5	2114.7	2282.4	2404.1	2463.2
27.5°	4192.7	4014.4	3587.9	2864.9	2066.2	1915.0	2022.5	2171.4	2280.1	2321.4
30°	4357.0	4173.8	3710.7	2841.2	1978.8	1867.8	1926.8	2042.6	2148.9	2190.3
32.5°	4536.5	4351.0	3828.9	2784.5	1925.7	1832.3	1833.5	1906.8	2003.6	2053.3
35°	4761.0	4563.7	3955.3	2660.5	1883.1	1791.0	1742.5	1778.0	1858.3	1917.4
37.5°	5081.1	4842.5	4110.0	2483.3	1820.5	1727.2	1646.9	1655.1	1716.6	1781.5
40°	5523.0	5217.0	4292.0	2299.0	1730.7	1637.4	1541.7	1538.2	1583.1	1646.9
42.5°	6120.8	5712.0	4510.5	2123.0	1644.5	1528.7	1430.7	1424.8	1460.2	1515.7
45°	6909.9	6345.2	4778.7	1971.7	1577.2	1422.4	1325.5	1323.2	1352.7	1401.1
47.5°	7920.0	7225.4	5046.9	1869.0	1541.7	1338.5	1239.3	1244.0	1270.0	1313.7
50°	9227.8	8372.5	5128.4	1817.0	1541.7	1293.6	1162.5	1186.1	1207.4	1240.5
52.5°	10795.5	9473.5	4859.0	1769.7	1551.2	1299.5	1097.5	1148.3	1163.7	1192.0
55°	12248.6	10013.4	4177.4	1704.7	1553.5	1336.1	1042.0	1117.6	1145.9	1156.6
57.5°	13092.1	9828.0	3377.6	1594.9	1544.1	1361.0	1006.5	1079.8	1134.1	1141.2
60°	12931.5	9177.0	2486.8	1511.0	1474.4	1351.5	995.9	1021.9	1108.1	1118.8
62.5°	11693.4	8085.4	1726.0	1446.0	1320.8	1310.2	992.4	930.9	1051.4	1077.4
65°	9399.1	6365.3	1219.2	1245.2	1157.8	1220.4	973.5	836.4	982.9	1018.4
67.5°	6819.0	4307.3	880.1	1008.9	1049.1	1075.1	930.9	767.9	904.9	952.2
70°	4375.9	2326.2	617.9	666.3	883.7	913.2	857.7	706.5	825.8	880.1
72.5°	3110.6	1374.0	444.2	466.6	710.0	760.8	754.9	637.9	733.6	799.8
75°	2146.6	757.3	300.1	333.2	515.1	617.9	582.4	548.2	621.4	688.7
77.5°	1345.6	339.1	179.6	231.6	337.9	485.6	399.3	424.1	484.4	547.0
80°	749.0	131.1	100.4	153.6	184.3	353.2	220.9	272.9	356.8	401.7
82.5°	163.0	16.5	44.9	66.2	72.1	205.6	117.0	158.3	224.5	220.9
85°	0.0	0.0	8.3	9.5	4.7	88.6	42.5	52.0	73.2	68.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
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°
2374.6	0°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2135.9	2.5°	2126.5	2068.6	2026.1	2004.8	1987.1	2003.6	2013.1	2013.1	2053.3	2076.9
1968.2	5°	1926.8	1822.9	1743.7	1690.6	1658.7	1669.3	1681.1	1694.1	1744.9	1779.2
1869.0	7.5°	1788.6	1629.1	1508.6	1434.2	1395.2	1401.1	1409.4	1420.0	1469.6	1503.9
1883.1	10°	1762.6	1533.4	1363.3	1265.3	1218.0	1209.7	1205.0	1201.5	1231.0	1257.0
2043.8	12.5°	1869.0	1538.2	1300.7	1181.4	1123.5	1098.7	1070.3	1047.9	1052.6	1069.2
2287.2	15°	2059.2	1598.4	1280.6	1137.7	1065.6	1024.3	991.2	964.0	958.1	964.0
2499.8	17.5°	2276.5	1679.9	1278.3	1099.9	1010.1	967.6	940.4	915.6	907.3	908.5
2619.1	20°	2420.7	1744.9	1271.2	1057.3	956.9	919.1	895.5	870.7	862.4	864.8
2586.1	22.5°	2434.8	1779.2	1260.5	1010.1	903.8	871.9	848.2	825.8	824.6	824.6
2462.0	25°	2358.0	1779.2	1238.1	967.6	853.0	824.6	803.3	776.2	780.9	783.3
2321.4	27.5°	2238.7	1736.6	1195.6	933.3	809.3	779.7	758.5	733.6	739.5	743.1
2190.3	30°	2120.6	1682.3	1144.8	894.3	767.9	733.6	718.3	697.0	699.4	704.1
2060.3	32.5°	2010.7	1624.4	1084.5	862.4	726.6	692.3	680.5	656.9	660.4	665.1
1932.7	35°	1902.0	1560.6	1013.6	824.6	688.7	654.5	645.0	617.9	620.2	627.3
1805.2	37.5°	1785.1	1493.3	955.7	786.8	652.1	616.7	607.2	578.9	581.2	589.5
1672.8	40°	1662.2	1427.1	899.0	746.6	613.1	577.7	569.4	538.7	541.1	550.5
1542.9	42.5°	1538.2	1355.1	855.3	694.7	573.0	535.2	526.9	498.5	502.1	512.7
1429.5	45°	1423.6	1268.8	827.0	636.8	535.2	492.6	484.4	458.4	465.5	477.3
1333.8	47.5°	1325.5	1180.2	815.2	588.3	495.0	448.9	441.8	420.6	432.4	445.4
1252.3	50°	1241.6	1095.1	799.8	538.7	457.2	411.1	404.0	389.9	405.2	418.2
1196.7	52.5°	1181.4	998.3	766.7	493.8	424.1	379.2	376.9	369.8	384.0	395.8
1155.4	55°	1129.4	897.9	713.6	454.8	394.6	352.1	354.4	350.9	362.7	372.1
1130.6	57.5°	1082.2	810.4	646.2	424.1	362.7	328.4	335.5	330.8	336.7	342.6
1104.6	60°	1025.4	721.8	565.9	389.9	324.9	304.8	313.1	300.1	298.9	301.3
1057.3	62.5°	941.6	602.5	482.0	347.3	291.8	278.8	282.4	257.5	238.6	238.6
987.6	65°	824.6	484.4	404.0	300.1	254.0	243.4	241.0	205.6	179.6	177.2
912.0	67.5°	688.7	398.1	335.5	252.8	211.5	204.4	206.7	180.8	154.8	152.4
836.4	70°	561.2	329.6	270.5	202.0	163.0	170.1	180.8	154.8	130.0	126.4
747.8	72.5°	456.0	262.3	211.5	154.8	120.5	140.6	153.6	126.4	102.8	100.4
637.9	75°	352.1	192.6	151.2	105.1	87.4	108.7	120.5	92.1	73.2	69.7
493.8	77.5°	235.1	119.3	85.1	66.2	52.0	74.4	80.3	48.4	42.5	41.3
359.1	80°	142.9	55.5	36.6	31.9	17.7	27.2	31.9	20.1	22.4	23.6
191.4	82.5°	72.1	15.4	5.9	1.2	0.0	0.0	9.5	4.7	9.5	11.8
52.0	85°	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.9
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°
2374.6	0°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2086.3	2.5°	2152.5	2202.1	2249.4	2325.0	2402.9	2479.7	2557.7	2633.3	2660.5	2680.6
1801.6	5°	1904.4	1997.7	2106.4	2256.4	2417.1	2582.5	2750.3	2903.8	2973.6	3020.8
1533.4	7.5°	1648.0	1769.7	1925.7	2151.3	2402.9	2666.4	2929.8	3172.0	3284.3	3375.2
1280.6	10°	1394.0	1526.4	1723.6	1981.2	2321.4	2699.5	3063.3	3396.5	3541.8	3656.4
1098.7	12.5°	1170.8	1294.8	1501.5	1786.3	2193.8	2673.5	3140.1	3540.6	3711.9	3840.7
968.7	15°	1013.6	1101.1	1284.2	1591.3	2042.6	2589.6	3144.9	3609.1	3797.0	3931.7
914.4	17.5°	926.2	955.7	1075.1	1392.9	1874.9	2479.7	3101.1	3632.8	3833.6	3958.8
866.0	20°	879.0	883.7	916.8	1135.3	1659.8	2377.0	3059.8	3656.4	3867.9	3973.0
831.7	22.5°	841.1	841.1	849.4	928.6	1382.2	2254.1	3046.8	3697.7	3915.1	3980.1
792.7	25°	806.9	806.9	809.3	830.5	1095.1	2066.2	3038.5	3761.5	3980.1	3997.8
753.7	27.5°	771.4	772.6	772.6	784.4	882.5	1811.1	3003.1	3844.2	4058.1	4021.4
715.9	30°	736.0	738.4	738.4	746.6	780.9	1512.2	2933.4	3943.5	4159.7	4052.2
678.1	32.5°	700.6	702.9	702.9	710.0	734.8	1207.4	2846.0	4034.4	4262.4	4065.2
641.5	35°	663.9	667.5	665.1	674.6	700.6	960.5	2734.9	4125.4	4373.5	4106.5
606.1	37.5°	627.3	629.7	628.5	637.9	667.5	829.3	2606.1	4193.9	4524.7	4198.6
568.2	40°	590.7	589.5	589.5	600.1	632.0	791.5	2444.3	4302.6	4742.1	4360.5
530.4	42.5°	552.9	552.9	550.5	562.3	601.3	763.2	2289.5	4497.5	5058.7	4618.0
495.0	45°	518.6	517.4	512.7	523.4	571.8	713.6	2235.2	4861.4	5526.5	5035.1
459.6	47.5°	485.6	484.4	472.6	482.0	536.3	668.7	2438.4	5456.8	6175.1	5648.2
431.2	50°	456.0	457.2	434.8	443.0	500.9	634.4	2879.0	6229.5	7036.3	6474.0
407.6	52.5°	428.8	428.8	399.3	404.0	457.2	603.7	3298.4	7067.1	8172.8	7625.9
382.8	55°	401.7	399.3	366.2	368.6	413.5	560.0	3361.0	7884.6	9722.8	9358.9
355.6	57.5°	371.0	366.2	335.5	335.5	373.3	528.1	2913.3	8513.1	11646.1	11906.0
304.8	60°	333.2	329.6	309.5	303.6	341.4	556.4	2055.6	8586.3	12886.6	15293.1
242.2	62.5°	284.7	289.4	278.8	270.5	310.7	577.7	1218.0	7996.8	12586.5	16370.5
187.8	65°	224.5	243.4	241.0	235.1	341.4	486.7	719.5	6865.0	11666.2	15501.0
164.2	67.5°	191.4	204.4	200.8	200.8	358.0	369.8	452.5	5363.5	10399.7	14469.6
137.0	70°	163.0	176.0	163.0	163.0	270.5	224.5	313.1	3745.0	9032.9	13328.4
109.9	72.5°	134.7	147.7	133.5	124.0	216.2	167.8	229.2	2340.3	7735.7	12139.9
78.0	75°	102.8	118.1	107.5	95.7	142.9	125.2	173.7	1359.8	6409.0	10386.8
47.3	77.5°	65.0	85.1	80.3	67.3	105.1	91.0	125.2	809.3	4945.3	8116.1
28.4	80°	40.2	43.7	44.9	42.5	60.3	61.4	85.1	460.7	3384.7	5656.5
17.7	82.5°	26.0	26.0	20.1	22.4	29.5	35.4	48.4	173.7	1989.5	3443.7
10.6	85°	18.9	16.5	10.6	10.6	14.2	17.7	18.9	53.2	806.9	1359.8
4.7	87.5°	9.5	8.3	3.5	4.7	7.1	5.9	4.7	2.4	203.2	434.8
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°
2374.6	0°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2725.5	2.5°	2749.1	2785.7	2788.1	2788.1	2756.2	2755.0	2690.0	2682.9
3127.1	5°	3237.0	3260.6	3266.5	3254.7	3190.9	3143.7	3017.3	2990.1
3537.1	7.5°	3683.6	3730.8	3730.8	3702.5	3598.5	3501.6	3318.5	3250.0
3876.1	10°	4040.3	4094.7	4082.9	4025.0	3893.9	3760.4	3538.3	3448.5
4081.7	12.5°	4214.0	4269.5	4238.8	4172.7	4045.1	3904.5	3670.6	3569.0
4140.8	15°	4210.5	4195.1	4163.2	4154.9	4093.5	3987.2	3768.6	3657.6
4104.1	17.5°	4060.4	3930.5	3905.7	3988.4	4066.3	4040.3	3853.7	3749.7
4016.7	20°	3823.0	3596.1	3573.7	3732.0	3954.1	4067.5	3932.8	3837.1
3890.3	22.5°	3572.5	3328.0	3276.0	3450.8	3785.2	4075.8	4033.3	3937.6
3750.9	25°	3335.1	3089.3	3037.3	3200.4	3597.3	4061.6	4141.9	4060.4
3617.4	27.5°	3136.6	2899.1	2850.7	3013.7	3416.6	4021.4	4250.6	4192.7
3485.1	30°	2983.0	2763.3	2727.8	2884.9	3260.6	3971.8	4388.9	4357.0
3362.2	32.5°	2893.2	2732.5	2745.5	2874.3	3176.7	3917.5	4521.2	4536.5
3302.0	35°	2981.8	2988.9	3102.3	3155.5	3254.7	3909.2	4700.7	4761.0
3374.0	37.5°	3422.5	3668.2	3903.3	3859.6	3636.3	4004.9	4968.9	5081.1
3688.3	40°	4172.7	4677.1	5058.7	4892.1	4329.8	4297.9	5355.2	5523.0
4245.9	42.5°	5089.4	5944.7	6573.2	6126.7	5224.1	4810.6	5906.9	6120.8
4920.5	45°	6057.0	7507.7	8497.7	7569.1	6177.5	5528.9	6742.2	6909.9
5552.5	47.5°	7076.5	9407.4	10688.0	9168.7	7061.1	6346.4	7881.0	7920.0
6151.5	50°	8191.7	11490.2	12920.8	10767.2	7914.1	7283.3	9272.7	9227.8
6849.7	52.5°	9253.8	13632.0	15106.4	12372.7	8663.1	8445.7	10887.7	10795.5
7804.2	55°	10267.4	15772.7	17305.0	13915.6	9369.6	9981.5	12806.2	12248.6
9180.6	57.5°	11442.9	17697.2	19570.9	15465.5	10357.2	11975.7	14951.6	13092.1
11816.2	60°	13180.7	19883.9	22133.3	17589.7	12235.6	14071.5	15720.7	12931.5
14972.9	62.5°	15399.4	21894.6	23996.3	19671.3	14122.3	14466.1	14587.8	11693.4
14329.0	65°	15830.6	22403.8	24101.5	20227.7	13878.9	12271.1	11909.6	9399.1
12799.1	67.5°	14687.0	21483.5	22631.8	19191.6	12277.0	9483.0	8937.2	6819.0
11795.0	70°	13404.0	19729.2	20070.6	17430.2	10797.9	6974.9	6035.7	4375.9
11107.4	72.5°	12089.1	17388.8	16682.4	15137.1	9490.1	5078.8	4353.4	3110.6
10128.0	75°	10527.3	14311.3	13140.6	12577.0	7857.4	3986.0	3149.6	2146.6
8711.5	77.5°	8430.4	10073.7	9760.6	9748.8	5904.6	2912.1	2101.7	1345.6
6806.0	80°	5947.1	6537.8	6378.3	7342.3	3961.2	2112.3	1265.3	749.0
4737.4	82.5°	2879.0	3615.0	3710.7	4372.3	1926.8	1242.8	291.8	163.0
1852.4	85°	1127.0	1743.7	1470.8	1659.8	541.1	346.1	7.1	0.0
304.8	87.5°	126.4	202.0	185.5	146.5	66.2	14.2	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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