

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: P948136

Luminaire Tested: **GALN-SB3B-740-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948136
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-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13642 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

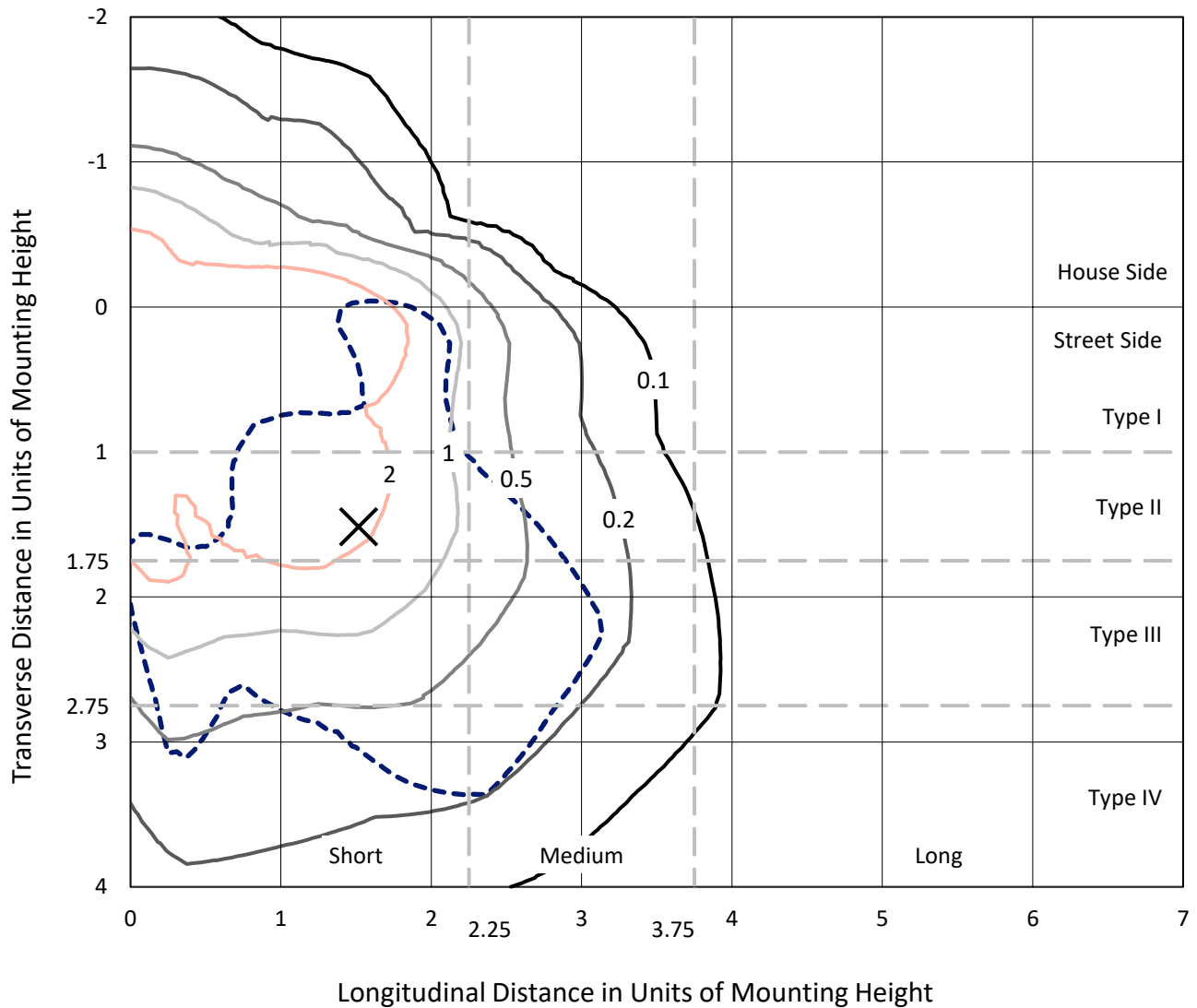
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

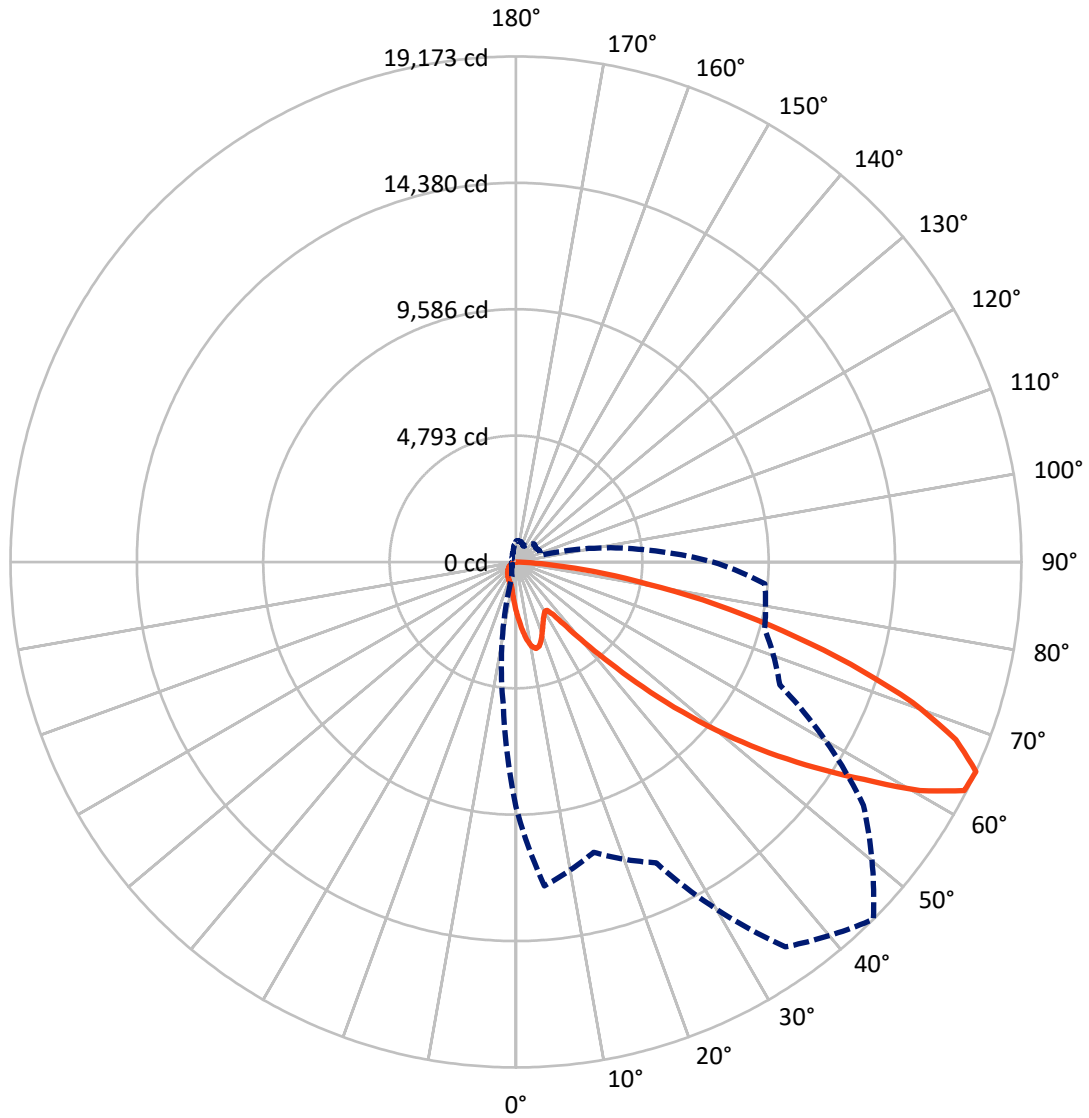
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2711.6	0.0	2711.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	10930.4	0.0	10930.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	13642.0	0.0	13642.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	1.4
10°-20°	557.5	4.1
20°-30°	821.3	6.0
30°-40°	1055.2	7.7
40°-50°	1706.5	12.5
50°-60°	2992.5	21.9
60°-70°	3744.5	27.4
70°-80°	2188.1	16.0
80°-90°	390.4	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°	13642.0	100.0
0°-180°	13642.0	100.0



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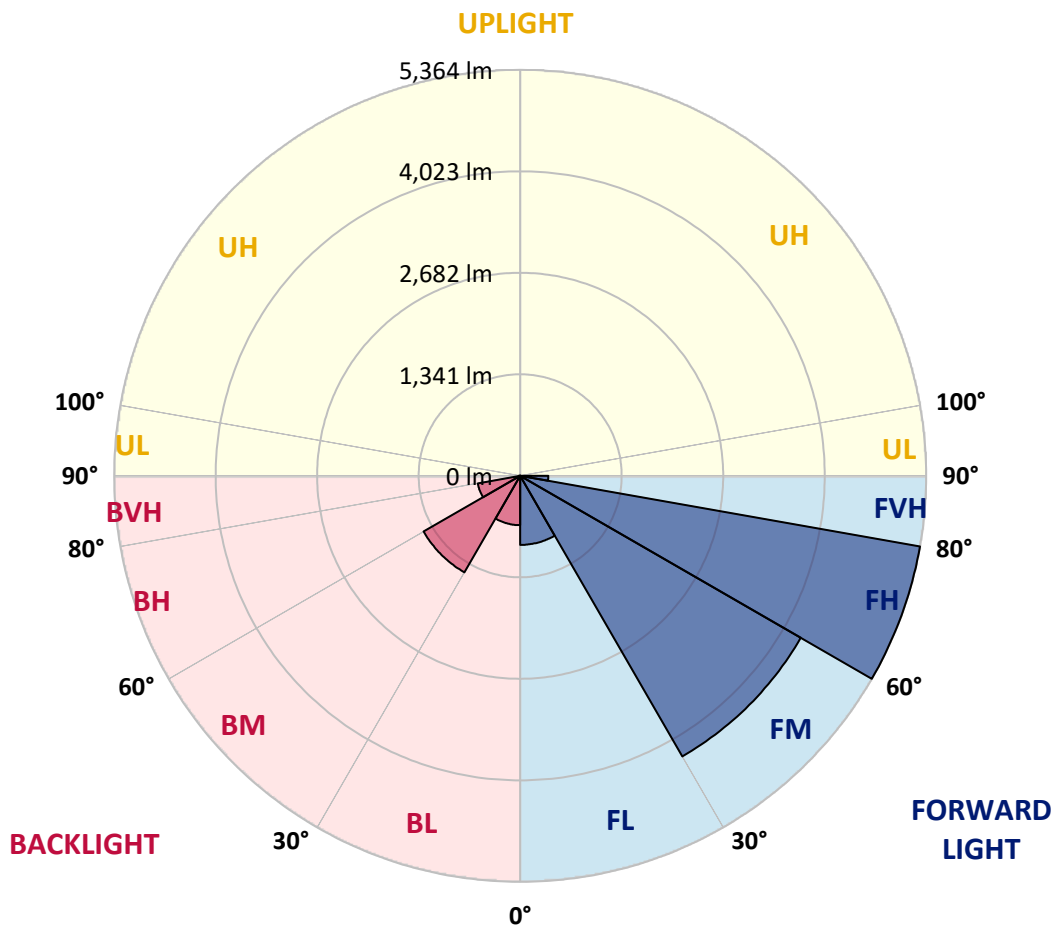
CATALOG NUMBER: GALN-SB3B-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	912.8	6.7			
FM (30°-60°)	4281.0	31.4			
FH (60°-80°)	5364.5	39.3			G3/7500
FVH (80°-90°)	372.1	2.7			G3/500
BL (0°-30°)	652.0	4.8	B2/1000		
BM (30°-60°)	1473.2	10.8	B2/2500		
BH (60°-80°)	568.1	4.2	B2/1000		G2/1000
BVH (80°-90°)	18.3	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°	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0
2.5°	2116.4	2132.4	2168.1	2186.9	2216.0	2217.9	2217.9	2192.5	2191.6	2139.9
5°	2365.5	2403.0	2487.6	2575.0	2593.8	2598.5	2589.1	2538.4	2500.8	2400.2
7.5°	2612.6	2685.0	2813.7	2930.3	2967.9	2967.9	2945.3	2862.6	2785.5	2639.9
10°	2817.5	2908.7	3083.5	3214.1	3257.3	3247.9	3201.9	3097.6	2991.4	2814.7
12.5°	2952.8	3055.3	3247.0	3352.2	3396.4	3372.0	3319.3	3217.8	3106.0	2919.9
15°	3020.5	3127.6	3294.0	3349.4	3337.2	3311.8	3305.2	3256.4	3171.8	2997.9
17.5°	3049.6	3149.2	3264.8	3230.1	3126.7	3106.9	3172.7	3234.8	3214.1	3065.6
20°	3076.9	3160.5	3195.3	3041.2	2860.7	2842.9	2968.8	3145.5	3235.7	3128.6
22.5°	3114.5	3166.2	3094.7	2841.9	2647.4	2606.0	2745.1	3011.1	3242.3	3208.4
25°	3166.2	3180.3	2983.8	2653.0	2457.6	2416.2	2545.9	2861.7	3231.0	3294.9
27.5°	3228.2	3199.0	2877.6	2495.1	2306.2	2267.7	2397.4	2717.9	3199.0	3381.4
30°	3309.0	3223.5	2772.4	2373.0	2198.2	2170.0	2295.0	2593.8	3159.6	3491.3
32.5°	3390.8	3233.8	2674.6	2301.5	2173.7	2184.1	2286.5	2527.1	3116.3	3596.6
35°	3479.1	3266.7	2626.7	2372.0	2377.7	2467.9	2510.2	2589.1	3109.8	3739.4
37.5°	3599.4	3340.0	2684.0	2722.6	2918.1	3105.1	3070.3	2892.7	3185.9	3952.8
40°	3772.3	3468.8	2934.0	3319.3	3720.6	4024.2	3891.7	3444.3	3419.0	4260.1
42.5°	4024.2	3673.6	3377.6	4048.6	4729.0	5229.0	4873.8	4155.8	3826.8	4699.0
45°	4396.3	4005.4	3914.2	4818.3	5972.4	6759.9	6021.2	4914.2	4398.2	5363.4
47.5°	4912.3	4493.1	4417.0	5629.3	7483.6	8502.3	7293.7	5617.1	5048.6	6269.3
50°	5597.4	5150.1	4893.5	6516.5	9140.4	10278.5	8565.3	6295.7	5793.8	7376.4
52.5°	6501.5	6066.4	5448.9	7361.4	10844.3	12017.1	9842.4	6891.5	6718.6	8661.1
55°	7734.5	7445.0	6208.3	8167.7	12547.2	13766.1	11069.8	7453.5	7940.3	10187.3
57.5°	9264.5	9471.2	7303.1	9102.8	14078.1	15568.6	12302.8	8239.2	9526.7	11894.0
60°	10251.2	12165.6	9399.8	10485.3	15817.6	17607.0	13992.6	9733.4	11193.9	12505.8
62.5°	10012.5	13022.7	11910.9	12250.2	17417.2	19089.0	15648.5	11234.3	11507.7	11604.5
65°	9280.4	12331.0	11398.7	12593.2	17822.2	19172.7	16091.1	11040.7	9761.6	9474.0
67.5°	8273.0	11510.6	10181.7	11683.5	17090.1	18003.6	15266.9	9766.3	7543.7	7109.5
70°	7185.6	10602.7	9382.9	10662.9	15694.5	15966.1	13865.7	8589.7	5548.5	4801.4
72.5°	6153.8	9657.3	8835.9	9616.9	13832.8	13270.8	12041.5	7549.3	4040.2	3463.1
75°	5098.4	8262.6	8056.8	8374.5	11384.6	10453.3	10005.0	6250.6	3170.9	2505.5
77.5°	3934.0	6456.4	6930.0	6706.4	8013.6	7764.6	7755.2	4697.1	2316.6	1671.9
80°	2692.5	4499.7	5414.1	4730.9	5200.8	5073.9	5840.8	3151.1	1680.3	1006.5
82.5°	1582.6	2739.5	3768.6	2290.3	2875.8	2951.9	3478.2	1532.8	988.7	232.1
85°	641.9	1081.7	1473.6	896.6	1387.1	1170.0	1320.4	430.4	275.4	5.6
87.5°	161.6	345.8	242.5	100.6	160.7	147.5	116.5	52.6	11.3	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1889.0	0°	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0
2134.3	2.5°	2097.6	2076.0	2022.4	1968.9	1925.6	1867.4	1828.8	1782.8	1738.6	1699.1
2378.6	5°	2319.4	2248.0	2150.2	2061.0	1969.8	1881.5	1794.1	1702.0	1617.4	1565.7
2585.4	7.5°	2499.8	2373.9	2244.2	2130.5	2020.6	1917.2	1801.6	1689.7	1557.2	1486.7
2743.3	10°	2634.2	2468.8	2298.7	2168.1	2057.2	1956.6	1858.9	1746.1	1586.4	1498.0
2839.1	12.5°	2722.6	2526.2	2326.9	2177.5	2053.4	1975.4	1932.2	1888.0	1729.2	1625.8
2909.6	15°	2783.7	2566.6	2346.7	2155.9	2003.6	1946.3	1989.5	2040.3	1938.8	1819.4
2982.9	17.5°	2850.4	2619.2	2355.1	2097.6	1906.8	1882.4	1994.2	2111.7	2107.0	1988.6
3052.4	20°	2920.9	2665.2	2349.5	2003.6	1789.4	1811.0	1953.8	2090.1	2147.4	2083.5
3132.3	22.5°	2993.2	2709.4	2327.9	1881.5	1679.4	1747.1	1889.9	2009.3	2076.9	2057.2
3230.1	25°	3084.4	2771.4	2295.9	1749.9	1588.2	1682.2	1815.7	1912.5	1959.5	1958.5
3335.3	27.5°	3193.4	2854.1	2279.0	1643.7	1523.4	1608.9	1727.3	1813.8	1846.7	1846.7
3466.0	30°	3320.3	2951.9	2260.2	1574.2	1485.8	1532.8	1624.9	1709.5	1742.4	1742.4
3608.8	32.5°	3461.3	3045.9	2215.1	1531.9	1457.6	1458.6	1516.8	1593.9	1633.4	1639.0
3787.4	35°	3630.4	3146.4	2116.4	1498.0	1424.7	1386.2	1414.4	1478.3	1525.3	1537.5
4042.0	37.5°	3852.2	3269.5	1975.4	1448.2	1374.0	1310.1	1316.6	1365.5	1417.2	1436.0
4393.5	40°	4150.1	3414.3	1828.8	1376.8	1302.6	1226.4	1223.6	1259.3	1310.1	1330.7
4869.1	42.5°	4543.9	3588.1	1688.8	1308.2	1216.1	1138.1	1133.4	1161.6	1205.8	1227.4
5496.8	45°	5047.6	3801.5	1568.5	1254.6	1131.5	1054.4	1052.6	1076.1	1114.6	1137.1
6300.4	47.5°	5747.8	4014.8	1486.7	1226.4	1064.8	985.8	989.6	1010.3	1045.0	1061.0
7340.7	50°	6660.3	4079.6	1445.4	1226.4	1029.1	924.8	943.6	960.5	986.8	996.2
8587.8	52.5°	7536.2	3865.4	1407.8	1233.9	1033.8	873.1	913.5	925.7	948.2	952.0
9743.8	55°	7965.7	3323.1	1356.1	1235.8	1062.9	828.9	889.0	911.6	920.1	919.1
10414.8	57.5°	7818.1	2686.9	1268.7	1228.3	1082.6	800.7	859.0	902.2	907.8	899.4
10287.0	60°	7300.3	1978.3	1202.0	1172.9	1075.1	792.2	812.9	881.5	890.0	878.7
9302.1	62.5°	6431.9	1373.0	1150.3	1050.7	1042.2	789.4	740.6	836.4	857.1	841.1
7477.0	65°	5063.6	969.9	990.5	921.0	970.8	774.4	665.4	781.9	810.1	785.7
5424.5	67.5°	3426.5	700.1	802.6	834.5	855.2	740.6	610.9	719.9	757.5	725.5
3481.0	70°	1850.4	491.5	530.0	703.0	726.5	682.3	562.0	656.9	700.1	665.4
2474.5	72.5°	1093.0	353.4	371.2	564.8	605.2	600.5	507.5	583.6	636.2	594.9
1707.6	75°	602.4	238.7	265.0	409.7	491.5	463.3	436.1	494.3	547.9	507.5
1070.4	77.5°	269.7	142.8	184.2	268.8	386.3	317.6	337.4	385.3	435.1	392.8
595.8	80°	104.3	79.9	122.2	146.6	281.0	175.7	217.1	283.8	319.5	285.7
129.7	82.5°	13.2	35.7	52.6	57.3	163.5	93.0	125.9	178.6	175.7	152.2
0.0	85°	0.0	6.6	7.5	3.8	70.5	33.8	41.4	58.3	54.5	41.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	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°
1889.0	0°	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0
1691.6	2.5°	1645.6	1611.7	1594.8	1580.7	1593.9	1601.4	1601.4	1633.4	1652.2	1659.7
1532.8	5°	1450.1	1387.1	1344.8	1319.5	1327.9	1337.3	1347.7	1388.1	1415.3	1433.2
1422.8	7.5°	1296.0	1200.1	1140.9	1109.9	1114.6	1121.2	1129.6	1169.1	1196.4	1219.8
1402.2	10°	1219.8	1084.5	1006.5	968.9	962.3	958.6	955.8	979.3	999.9	1018.7
1486.7	12.5°	1223.6	1034.7	939.8	893.7	874.0	851.5	833.6	837.4	850.5	874.0
1638.1	15°	1271.5	1018.7	905.0	847.7	814.8	788.5	766.9	762.2	766.9	770.6
1811.0	17.5°	1336.4	1016.9	874.9	803.5	769.7	748.1	728.3	721.8	722.7	727.4
1925.6	20°	1388.1	1011.2	841.1	761.2	731.2	712.4	692.6	686.0	687.9	688.9
1936.9	22.5°	1415.3	1002.8	803.5	718.9	693.6	674.8	656.9	656.0	656.0	661.6
1875.8	25°	1415.3	984.9	769.7	678.5	656.0	639.1	617.4	621.2	623.1	630.6
1780.9	27.5°	1381.5	951.1	742.4	643.8	620.3	603.3	583.6	588.3	591.1	599.6
1686.9	30°	1338.3	910.7	711.4	610.9	583.6	571.4	554.5	556.4	560.1	569.5
1599.5	32.5°	1292.2	862.7	686.0	578.0	550.7	541.3	522.5	525.3	529.1	539.4
1513.1	35°	1241.5	806.3	656.0	547.9	520.6	513.1	491.5	493.4	499.0	510.3
1420.0	37.5°	1187.9	760.3	625.9	518.8	490.6	483.1	460.5	462.4	469.0	482.1
1322.3	40°	1135.3	715.2	593.9	487.8	459.6	453.0	428.5	430.4	437.9	452.0
1223.6	42.5°	1077.9	680.4	552.6	455.8	425.7	419.1	396.6	399.4	407.9	422.0
1132.4	45°	1009.3	657.9	506.5	425.7	391.9	385.3	364.6	370.3	379.7	393.8
1054.4	47.5°	938.9	648.5	468.0	393.8	357.1	351.5	334.6	344.0	354.3	365.6
987.7	50°	871.2	636.2	428.5	363.7	327.0	321.4	310.1	322.3	332.7	343.0
939.8	52.5°	794.1	609.9	392.8	337.4	301.7	299.8	294.2	305.4	314.8	324.2
898.4	55°	714.2	567.6	361.8	313.9	280.1	281.9	279.1	288.5	296.0	304.5
860.8	57.5°	644.7	514.1	337.4	288.5	261.3	266.9	263.1	267.8	272.5	282.9
815.7	60°	574.2	450.2	310.1	258.4	242.5	249.0	238.7	237.8	239.6	242.5
749.0	62.5°	479.3	383.4	276.3	232.1	221.8	224.6	204.9	189.8	189.8	192.7
656.0	65°	385.3	321.4	238.7	202.1	193.6	191.7	163.5	142.8	141.0	149.4
547.9	67.5°	316.7	266.9	201.1	168.2	162.6	164.5	143.8	123.1	121.2	130.6
446.4	70°	262.2	215.2	160.7	129.7	135.3	143.8	123.1	103.4	100.6	109.0
362.8	72.5°	208.6	168.2	123.1	95.9	111.8	122.2	100.6	81.8	79.9	87.4
280.1	75°	153.2	120.3	83.6	69.5	86.5	95.9	73.3	58.3	55.4	62.0
187.0	77.5°	94.9	67.7	52.6	41.4	59.2	63.9	38.5	33.8	32.9	37.6
113.7	80°	44.2	29.1	25.4	14.1	21.6	25.4	16.0	17.9	18.8	22.6
57.3	82.5°	12.2	4.7	0.9	0.0	0.0	7.5	3.8	7.5	9.4	14.1
4.7	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.7	8.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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°
1889.0	0°	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0
1712.3	2.5°	1751.8	1789.4	1849.5	1911.5	1972.6	2034.6	2094.8	2116.4
1514.9	5°	1589.2	1675.6	1795.0	1922.8	2054.4	2187.8	2310.0	2365.5
1311.0	7.5°	1407.8	1531.9	1711.4	1911.5	2121.1	2330.7	2523.3	2612.6
1109.0	10°	1214.2	1371.2	1576.0	1846.7	2147.4	2436.9	2701.9	2817.5
931.3	12.5°	1030.0	1194.5	1421.0	1745.2	2126.7	2498.0	2816.6	2952.8
806.3	15°	875.9	1021.6	1265.9	1624.9	2060.0	2501.7	2871.1	3020.5
736.8	17.5°	760.3	855.2	1108.0	1491.4	1972.6	2467.0	2889.9	3049.6
699.2	20°	703.0	729.3	903.1	1320.4	1890.9	2434.1	2908.7	3076.9
669.1	22.5°	669.1	675.7	738.7	1099.6	1793.1	2423.7	2941.5	3114.5
641.9	25°	641.9	643.8	660.7	871.2	1643.7	2417.1	2992.3	3166.2
613.7	27.5°	614.6	614.6	624.0	702.0	1440.7	2388.9	3058.1	3228.2
585.5	30°	587.4	587.4	593.9	621.2	1202.9	2333.5	3137.0	3309.0
557.3	32.5°	559.2	559.2	564.8	584.6	960.5	2264.0	3209.4	3390.8
528.2	35°	531.0	529.1	536.6	557.3	764.1	2175.6	3281.8	3479.1
499.0	37.5°	500.9	500.0	507.5	531.0	659.7	2073.2	3336.3	3599.4
469.9	40°	469.0	469.0	477.4	502.8	629.7	1944.4	3422.7	3772.3
439.8	42.5°	439.8	437.9	447.3	478.4	607.1	1821.3	3577.8	4024.2
412.6	45°	411.6	407.9	416.3	454.9	567.6	1778.1	3867.2	4396.3
386.3	47.5°	385.3	375.9	383.4	426.7	531.9	1939.7	4340.9	4912.3
362.8	50°	363.7	345.8	352.4	398.5	504.7	2290.3	4955.5	5597.4
341.1	52.5°	341.1	317.6	321.4	363.7	480.2	2623.9	5621.8	6501.5
319.5	55°	317.6	291.3	293.2	328.9	445.5	2673.7	6272.2	7734.5
295.1	57.5°	291.3	266.9	266.9	297.0	420.1	2317.5	6772.1	9264.5
265.0	60°	262.2	246.2	241.5	271.6	442.6	1635.2	6830.4	10251.2
226.5	62.5°	230.2	221.8	215.2	247.2	459.6	968.9	6361.4	10012.5
178.6	65°	193.6	191.7	187.0	271.6	387.2	572.3	5461.1	9280.4
152.2	67.5°	162.6	159.8	159.8	284.8	294.2	359.9	4266.7	8273.0
129.7	70°	140.0	129.7	129.7	215.2	178.6	249.0	2979.1	7185.6
107.1	72.5°	117.5	106.2	98.7	172.0	133.5	182.3	1861.7	6153.8
81.8	75°	94.0	85.5	76.1	113.7	99.6	138.1	1081.7	5098.4
51.7	77.5°	67.7	63.9	53.6	83.6	72.4	99.6	643.8	3934.0
32.0	80°	34.8	35.7	33.8	47.9	48.9	67.7	366.5	2692.5
20.7	82.5°	20.7	16.0	17.9	23.5	28.2	38.5	138.1	1582.6
15.0	85°	13.2	8.5	8.5	11.3	14.1	15.0	42.3	641.9
7.5	87.5°	6.6	2.8	3.8	5.6	4.7	3.8	1.9	161.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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