

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: P948138

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948138  
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-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

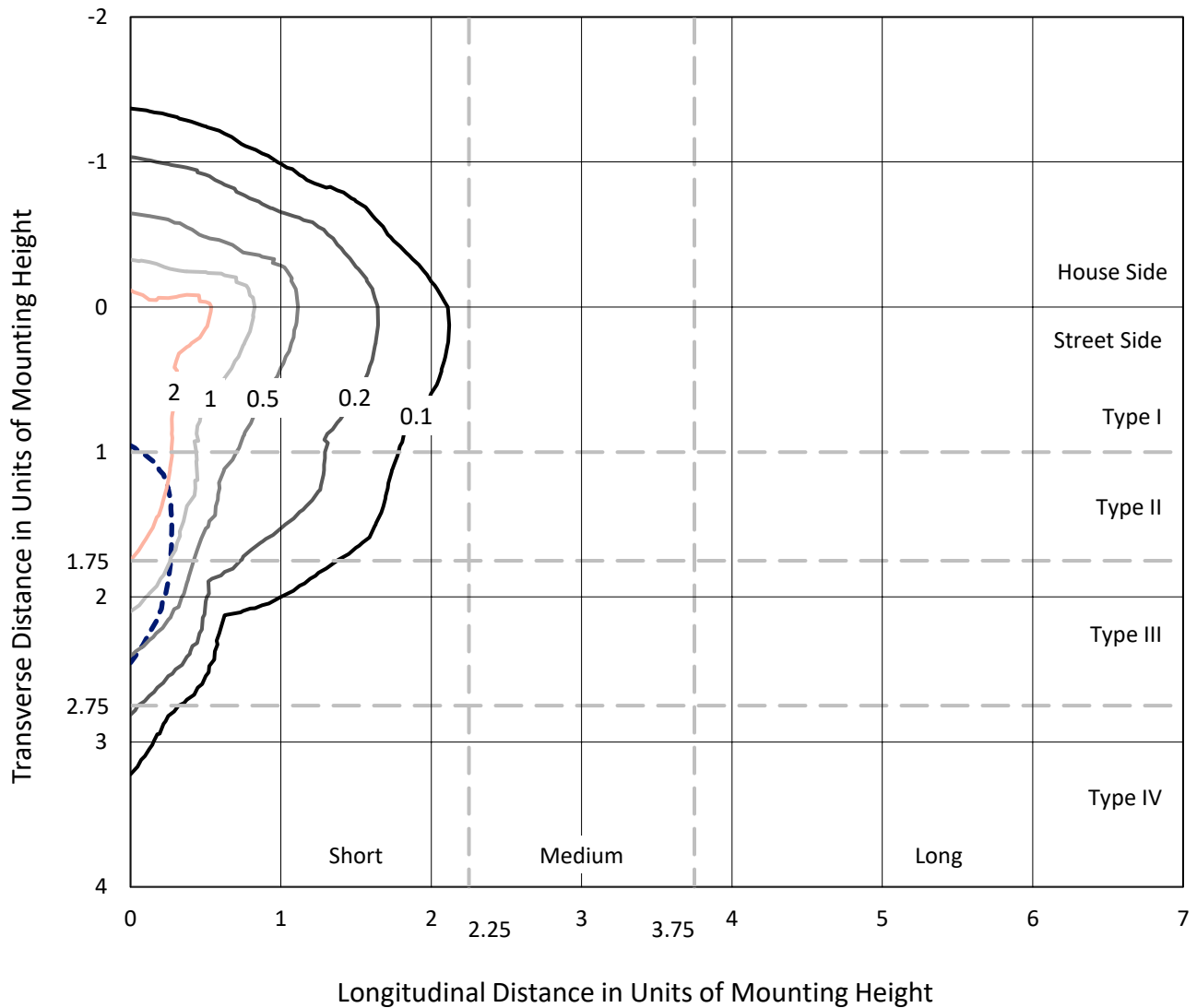
Lumens per Lamp: N/A  
Luminaire Lumens: 13642 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

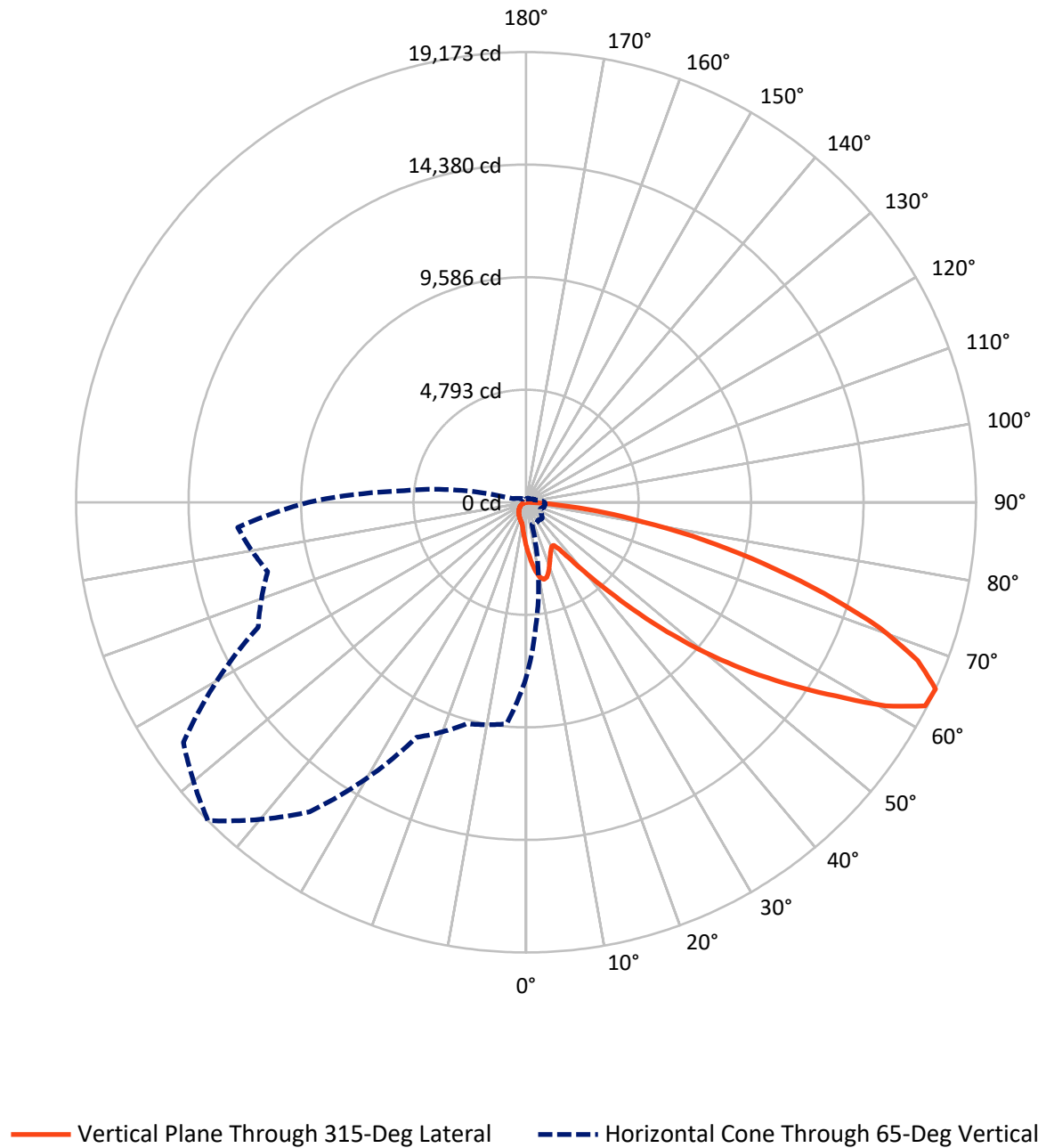
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1910.5	0.0	1910.5
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	11731.5	0.0	11731.5
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	13642.0	0.0	13642.0
	% Fixture	100.0	0.0	100.0

**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

**Coefficient of Utilization**



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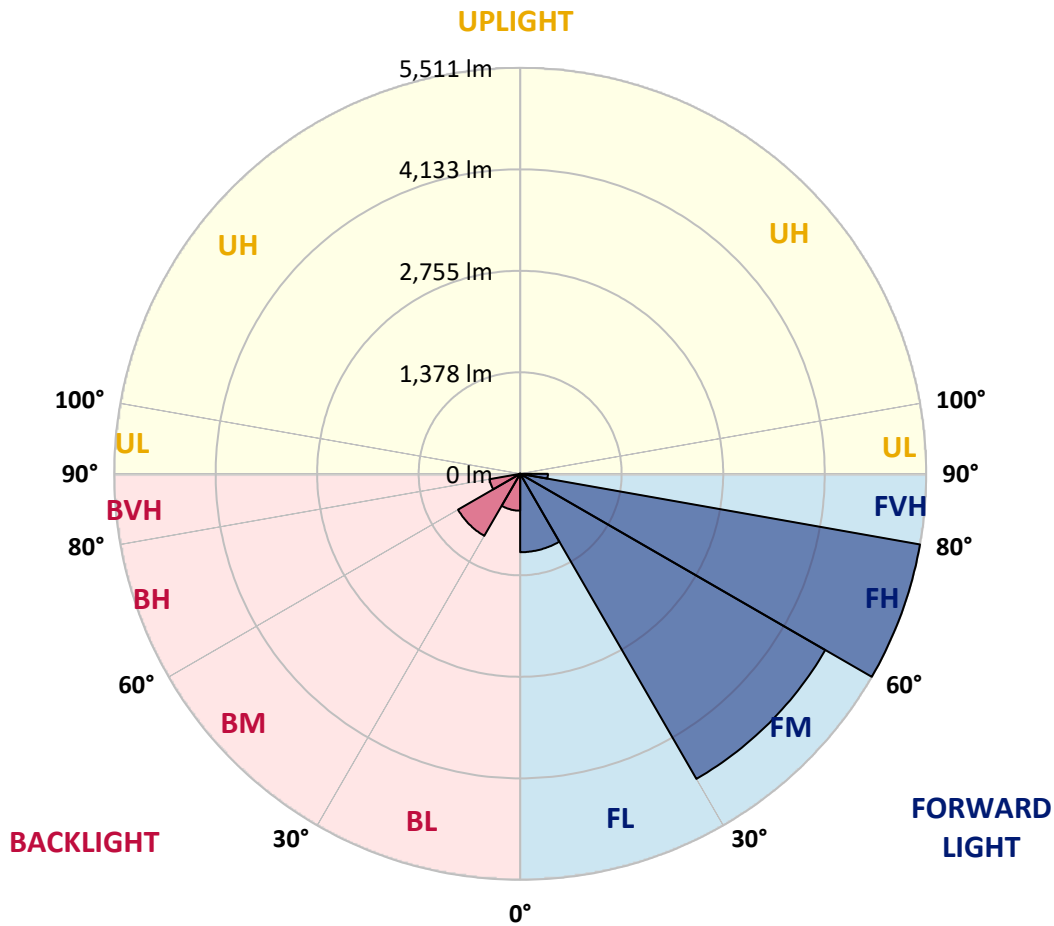
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1064.0	7.8			
FM (30°-60°)	4781.4	35.0			
FH (60°-80°)	5510.7	40.4			G3/7500
FVH (80°-90°)	375.4	2.8			G3/500
BL (0°-30°)	500.8	3.7	B2/1000		
BM (30°-60°)	972.8	7.1	B1/1000		
BH (60°-80°)	421.8	3.1	B1/500		G1/500
BVH (80°-90°)	15.0	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°	2134.3	2097.6	2076.0	2022.4	1968.9	1925.6	1867.4	1828.8	1782.8	1738.6
5°	2378.6	2319.4	2248.0	2150.2	2061.0	1969.8	1881.5	1794.1	1702.0	1617.4
7.5°	2585.4	2499.8	2373.9	2244.2	2130.5	2020.6	1917.2	1801.6	1689.7	1557.2
10°	2743.3	2634.2	2468.8	2298.7	2168.1	2057.2	1956.6	1858.9	1746.1	1586.4
12.5°	2839.1	2722.6	2526.2	2326.9	2177.5	2053.4	1975.4	1932.2	1888.0	1729.2
15°	2909.6	2783.7	2566.6	2346.7	2155.9	2003.6	1946.3	1989.5	2040.3	1938.8
17.5°	2982.9	2850.4	2619.2	2355.1	2097.6	1906.8	1882.4	1994.2	2111.7	2107.0
20°	3052.4	2920.9	2665.2	2349.5	2003.6	1789.4	1811.0	1953.8	2090.1	2147.4
22.5°	3132.3	2993.2	2709.4	2327.9	1881.5	1679.4	1747.1	1889.9	2009.3	2076.9
25°	3230.1	3084.4	2771.4	2295.9	1749.9	1588.2	1682.2	1815.7	1912.5	1959.5
27.5°	3335.3	3193.4	2854.1	2279.0	1643.7	1523.4	1608.9	1727.3	1813.8	1846.7
30°	3466.0	3320.3	2951.9	2260.2	1574.2	1485.8	1532.8	1624.9	1709.5	1742.4
32.5°	3608.8	3461.3	3045.9	2215.1	1531.9	1457.6	1458.6	1516.8	1593.9	1633.4
35°	3787.4	3630.4	3146.4	2116.4	1498.0	1424.7	1386.2	1414.4	1478.3	1525.3
37.5°	4042.0	3852.2	3269.5	1975.4	1448.2	1374.0	1310.1	1316.6	1365.5	1417.2
40°	4393.5	4150.1	3414.3	1828.8	1376.8	1302.6	1226.4	1223.6	1259.3	1310.1
42.5°	4869.1	4543.9	3588.1	1688.8	1308.2	1216.1	1138.1	1133.4	1161.6	1205.8
45°	5496.8	5047.6	3801.5	1568.5	1254.6	1131.5	1054.4	1052.6	1076.1	1114.6
47.5°	6300.4	5747.8	4014.8	1486.7	1226.4	1064.8	985.8	989.6	1010.3	1045.0
50°	7340.7	6660.3	4079.6	1445.4	1226.4	1029.1	924.8	943.6	960.5	986.8
52.5°	8587.8	7536.2	3865.4	1407.8	1233.9	1033.8	873.1	913.5	925.7	948.2
55°	9743.8	7965.7	3323.1	1356.1	1235.8	1062.9	828.9	889.0	911.6	920.1
57.5°	10414.8	7818.1	2686.9	1268.7	1228.3	1082.6	800.7	859.0	902.2	907.8
60°	10287.0	7300.3	1978.3	1202.0	1172.9	1075.1	792.2	812.9	881.5	890.0
62.5°	9302.1	6431.9	1373.0	1150.3	1050.7	1042.2	789.4	740.6	836.4	857.1
65°	7477.0	5063.6	969.9	990.5	921.0	970.8	774.4	665.4	781.9	810.1
67.5°	5424.5	3426.5	700.1	802.6	834.5	855.2	740.6	610.9	719.9	757.5
70°	3481.0	1850.4	491.5	530.0	703.0	726.5	682.3	562.0	656.9	700.1
72.5°	2474.5	1093.0	353.4	371.2	564.8	605.2	600.5	507.5	583.6	636.2
75°	1707.6	602.4	238.7	265.0	409.7	491.5	463.3	436.1	494.3	547.9
77.5°	1070.4	269.7	142.8	184.2	268.8	386.3	317.6	337.4	385.3	435.1
80°	595.8	104.3	79.9	122.2	146.6	281.0	175.7	217.1	283.8	319.5
82.5°	129.7	13.2	35.7	52.6	57.3	163.5	93.0	125.9	178.6	175.7
85°	0.0	0.0	6.6	7.5	3.8	70.5	33.8	41.4	58.3	54.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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
1699.1	2.5°	1691.6	1645.6	1611.7	1594.8	1580.7	1593.9	1601.4	1601.4	1633.4	1652.2
1565.7	5°	1532.8	1450.1	1387.1	1344.8	1319.5	1327.9	1337.3	1347.7	1388.1	1415.3
1486.7	7.5°	1422.8	1296.0	1200.1	1140.9	1109.9	1114.6	1121.2	1129.6	1169.1	1196.4
1498.0	10°	1402.2	1219.8	1084.5	1006.5	968.9	962.3	958.6	955.8	979.3	999.9
1625.8	12.5°	1486.7	1223.6	1034.7	939.8	893.7	874.0	851.5	833.6	837.4	850.5
1819.4	15°	1638.1	1271.5	1018.7	905.0	847.7	814.8	788.5	766.9	762.2	766.9
1988.6	17.5°	1811.0	1336.4	1016.9	874.9	803.5	769.7	748.1	728.3	721.8	722.7
2083.5	20°	1925.6	1388.1	1011.2	841.1	761.2	731.2	712.4	692.6	686.0	687.9
2057.2	22.5°	1936.9	1415.3	1002.8	803.5	718.9	693.6	674.8	656.9	656.0	656.0
1958.5	25°	1875.8	1415.3	984.9	769.7	678.5	656.0	639.1	617.4	621.2	623.1
1846.7	27.5°	1780.9	1381.5	951.1	742.4	643.8	620.3	603.3	583.6	588.3	591.1
1742.4	30°	1686.9	1338.3	910.7	711.4	610.9	583.6	571.4	554.5	556.4	560.1
1639.0	32.5°	1599.5	1292.2	862.7	686.0	578.0	550.7	541.3	522.5	525.3	529.1
1537.5	35°	1513.1	1241.5	806.3	656.0	547.9	520.6	513.1	491.5	493.4	499.0
1436.0	37.5°	1420.0	1187.9	760.3	625.9	518.8	490.6	483.1	460.5	462.4	469.0
1330.7	40°	1322.3	1135.3	715.2	593.9	487.8	459.6	453.0	428.5	430.4	437.9
1227.4	42.5°	1223.6	1077.9	680.4	552.6	455.8	425.7	419.1	396.6	399.4	407.9
1137.1	45°	1132.4	1009.3	657.9	506.5	425.7	391.9	385.3	364.6	370.3	379.7
1061.0	47.5°	1054.4	938.9	648.5	468.0	393.8	357.1	351.5	334.6	344.0	354.3
996.2	50°	987.7	871.2	636.2	428.5	363.7	327.0	321.4	310.1	322.3	332.7
952.0	52.5°	939.8	794.1	609.9	392.8	337.4	301.7	299.8	294.2	305.4	314.8
919.1	55°	898.4	714.2	567.6	361.8	313.9	280.1	281.9	279.1	288.5	296.0
899.4	57.5°	860.8	644.7	514.1	337.4	288.5	261.3	266.9	263.1	267.8	272.5
878.7	60°	815.7	574.2	450.2	310.1	258.4	242.5	249.0	238.7	237.8	239.6
841.1	62.5°	749.0	479.3	383.4	276.3	232.1	221.8	224.6	204.9	189.8	189.8
785.7	65°	656.0	385.3	321.4	238.7	202.1	193.6	191.7	163.5	142.8	141.0
725.5	67.5°	547.9	316.7	266.9	201.1	168.2	162.6	164.5	143.8	123.1	121.2
665.4	70°	446.4	262.2	215.2	160.7	129.7	135.3	143.8	123.1	103.4	100.6
594.9	72.5°	362.8	208.6	168.2	123.1	95.9	111.8	122.2	100.6	81.8	79.9
507.5	75°	280.1	153.2	120.3	83.6	69.5	86.5	95.9	73.3	58.3	55.4
392.8	77.5°	187.0	94.9	67.7	52.6	41.4	59.2	63.9	38.5	33.8	32.9
285.7	80°	113.7	44.2	29.1	25.4	14.1	21.6	25.4	16.0	17.9	18.8
152.2	82.5°	57.3	12.2	4.7	0.9	0.0	0.0	7.5	3.8	7.5	9.4
41.4	85°	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.7
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°
1889.0	0°	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0	1889.0
1659.7	2.5°	1712.3	1751.8	1789.4	1849.5	1911.5	1972.6	2034.6	2094.8	2116.4	2132.4
1433.2	5°	1514.9	1589.2	1675.6	1795.0	1922.8	2054.4	2187.8	2310.0	2365.5	2403.0
1219.8	7.5°	1311.0	1407.8	1531.9	1711.4	1911.5	2121.1	2330.7	2523.3	2612.6	2685.0
1018.7	10°	1109.0	1214.2	1371.2	1576.0	1846.7	2147.4	2436.9	2701.9	2817.5	2908.7
874.0	12.5°	931.3	1030.0	1194.5	1421.0	1745.2	2126.7	2498.0	2816.6	2952.8	3055.3
770.6	15°	806.3	875.9	1021.6	1265.9	1624.9	2060.0	2501.7	2871.1	3020.5	3127.6
727.4	17.5°	736.8	760.3	855.2	1108.0	1491.4	1972.6	2467.0	2889.9	3049.6	3149.2
688.9	20°	699.2	703.0	729.3	903.1	1320.4	1890.9	2434.1	2908.7	3076.9	3160.5
661.6	22.5°	669.1	669.1	675.7	738.7	1099.6	1793.1	2423.7	2941.5	3114.5	3166.2
630.6	25°	641.9	641.9	643.8	660.7	871.2	1643.7	2417.1	2992.3	3166.2	3180.3
599.6	27.5°	613.7	614.6	614.6	624.0	702.0	1440.7	2388.9	3058.1	3228.2	3199.0
569.5	30°	585.5	587.4	587.4	593.9	621.2	1202.9	2333.5	3137.0	3309.0	3223.5
539.4	32.5°	557.3	559.2	559.2	564.8	584.6	960.5	2264.0	3209.4	3390.8	3233.8
510.3	35°	528.2	531.0	529.1	536.6	557.3	764.1	2175.6	3281.8	3479.1	3266.7
482.1	37.5°	499.0	500.9	500.0	507.5	531.0	659.7	2073.2	3336.3	3599.4	3340.0
452.0	40°	469.9	469.0	469.0	477.4	502.8	629.7	1944.4	3422.7	3772.3	3468.8
422.0	42.5°	439.8	439.8	437.9	447.3	478.4	607.1	1821.3	3577.8	4024.2	3673.6
393.8	45°	412.6	411.6	407.9	416.3	454.9	567.6	1778.1	3867.2	4396.3	4005.4
365.6	47.5°	386.3	385.3	375.9	383.4	426.7	531.9	1939.7	4340.9	4912.3	4493.1
343.0	50°	362.8	363.7	345.8	352.4	398.5	504.7	2290.3	4955.5	5597.4	5150.1
324.2	52.5°	341.1	341.1	317.6	321.4	363.7	480.2	2623.9	5621.8	6501.5	6066.4
304.5	55°	319.5	317.6	291.3	293.2	328.9	445.5	2673.7	6272.2	7734.5	7445.0
282.9	57.5°	295.1	291.3	266.9	266.9	297.0	420.1	2317.5	6772.1	9264.5	9471.2
242.5	60°	265.0	262.2	246.2	241.5	271.6	442.6	1635.2	6830.4	10251.2	12165.6
192.7	62.5°	226.5	230.2	221.8	215.2	247.2	459.6	968.9	6361.4	10012.5	13022.7
149.4	65°	178.6	193.6	191.7	187.0	271.6	387.2	572.3	5461.1	9280.4	12331.0
130.6	67.5°	152.2	162.6	159.8	159.8	284.8	294.2	359.9	4266.7	8273.0	11510.6
109.0	70°	129.7	140.0	129.7	129.7	215.2	178.6	249.0	2979.1	7185.6	10602.7
87.4	72.5°	107.1	117.5	106.2	98.7	172.0	133.5	182.3	1861.7	6153.8	9657.3
62.0	75°	81.8	94.0	85.5	76.1	113.7	99.6	138.1	1081.7	5098.4	8262.6
37.6	77.5°	51.7	67.7	63.9	53.6	83.6	72.4	99.6	643.8	3934.0	6456.4
22.6	80°	32.0	34.8	35.7	33.8	47.9	48.9	67.7	366.5	2692.5	4499.7
14.1	82.5°	20.7	20.7	16.0	17.9	23.5	28.2	38.5	138.1	1582.6	2739.5
8.5	85°	15.0	13.2	8.5	8.5	11.3	14.1	15.0	42.3	641.9	1081.7
3.8	87.5°	7.5	6.6	2.8	3.8	5.6	4.7	3.8	1.9	161.6	345.8
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
2168.1	2.5°	2186.9	2216.0	2217.9	2217.9	2192.5	2191.6	2139.9	2134.3
2487.6	5°	2575.0	2593.8	2598.5	2589.1	2538.4	2500.8	2400.2	2378.6
2813.7	7.5°	2930.3	2967.9	2967.9	2945.3	2862.6	2785.5	2639.9	2585.4
3083.5	10°	3214.1	3257.3	3247.9	3201.9	3097.6	2991.4	2814.7	2743.3
3247.0	12.5°	3352.2	3396.4	3372.0	3319.3	3217.8	3106.0	2919.9	2839.1
3294.0	15°	3349.4	3337.2	3311.8	3305.2	3256.4	3171.8	2997.9	2909.6
3264.8	17.5°	3230.1	3126.7	3106.9	3172.7	3234.8	3214.1	3065.6	2982.9
3195.3	20°	3041.2	2860.7	2842.9	2968.8	3145.5	3235.7	3128.6	3052.4
3094.7	22.5°	2841.9	2647.4	2606.0	2745.1	3011.1	3242.3	3208.4	3132.3
2983.8	25°	2653.0	2457.6	2416.2	2545.9	2861.7	3231.0	3294.9	3230.1
2877.6	27.5°	2495.1	2306.2	2267.7	2397.4	2717.9	3199.0	3381.4	3335.3
2772.4	30°	2373.0	2198.2	2170.0	2295.0	2593.8	3159.6	3491.3	3466.0
2674.6	32.5°	2301.5	2173.7	2184.1	2286.5	2527.1	3116.3	3596.6	3608.8
2626.7	35°	2372.0	2377.7	2467.9	2510.2	2589.1	3109.8	3739.4	3787.4
2684.0	37.5°	2722.6	2918.1	3105.1	3070.3	2892.7	3185.9	3952.8	4042.0
2934.0	40°	3319.3	3720.6	4024.2	3891.7	3444.3	3419.0	4260.1	4393.5
3377.6	42.5°	4048.6	4729.0	5229.0	4873.8	4155.8	3826.8	4699.0	4869.1
3914.2	45°	4818.3	5972.4	6759.9	6021.2	4914.2	4398.2	5363.4	5496.8
4417.0	47.5°	5629.3	7483.6	8502.3	7293.7	5617.1	5048.6	6269.3	6300.4
4893.5	50°	6516.5	9140.4	10278.5	8565.3	6295.7	5793.8	7376.4	7340.7
5448.9	52.5°	7361.4	10844.3	12017.1	9842.4	6891.5	6718.6	8661.1	8587.8
6208.3	55°	8167.7	12547.2	13766.1	11069.8	7453.5	7940.3	10187.3	9743.8
7303.1	57.5°	9102.8	14078.1	15568.6	12302.8	8239.2	9526.7	11894.0	10414.8
9399.8	60°	10485.3	15817.6	17607.0	13992.6	9733.4	11193.9	12505.8	10287.0
11910.9	62.5°	12250.2	17417.2	19089.0	15648.5	11234.3	11507.7	11604.5	9302.1
11398.7	65°	12593.2	17822.2	19172.7	16091.1	11040.7	9761.6	9474.0	7477.0
10181.7	67.5°	11683.5	17090.1	18003.6	15266.9	9766.3	7543.7	7109.5	5424.5
9382.9	70°	10662.9	15694.5	15966.1	13865.7	8589.7	5548.5	4801.4	3481.0
8835.9	72.5°	9616.9	13832.8	13270.8	12041.5	7549.3	4040.2	3463.1	2474.5
8056.8	75°	8374.5	11384.6	10453.3	10005.0	6250.6	3170.9	2505.5	1707.6
6930.0	77.5°	6706.4	8013.6	7764.6	7755.2	4697.1	2316.6	1671.9	1070.4
5414.1	80°	4730.9	5200.8	5073.9	5840.8	3151.1	1680.3	1006.5	595.8
3768.6	82.5°	2290.3	2875.8	2951.9	3478.2	1532.8	988.7	232.1	129.7
1473.6	85°	896.6	1387.1	1170.0	1320.4	430.4	275.4	5.6	0.0
242.5	87.5°	100.6	160.7	147.5	116.5	52.6	11.3	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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