

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: P952149

Luminaire Tested: **GALN-SB6A-830-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952149  
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-SB6A-830-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

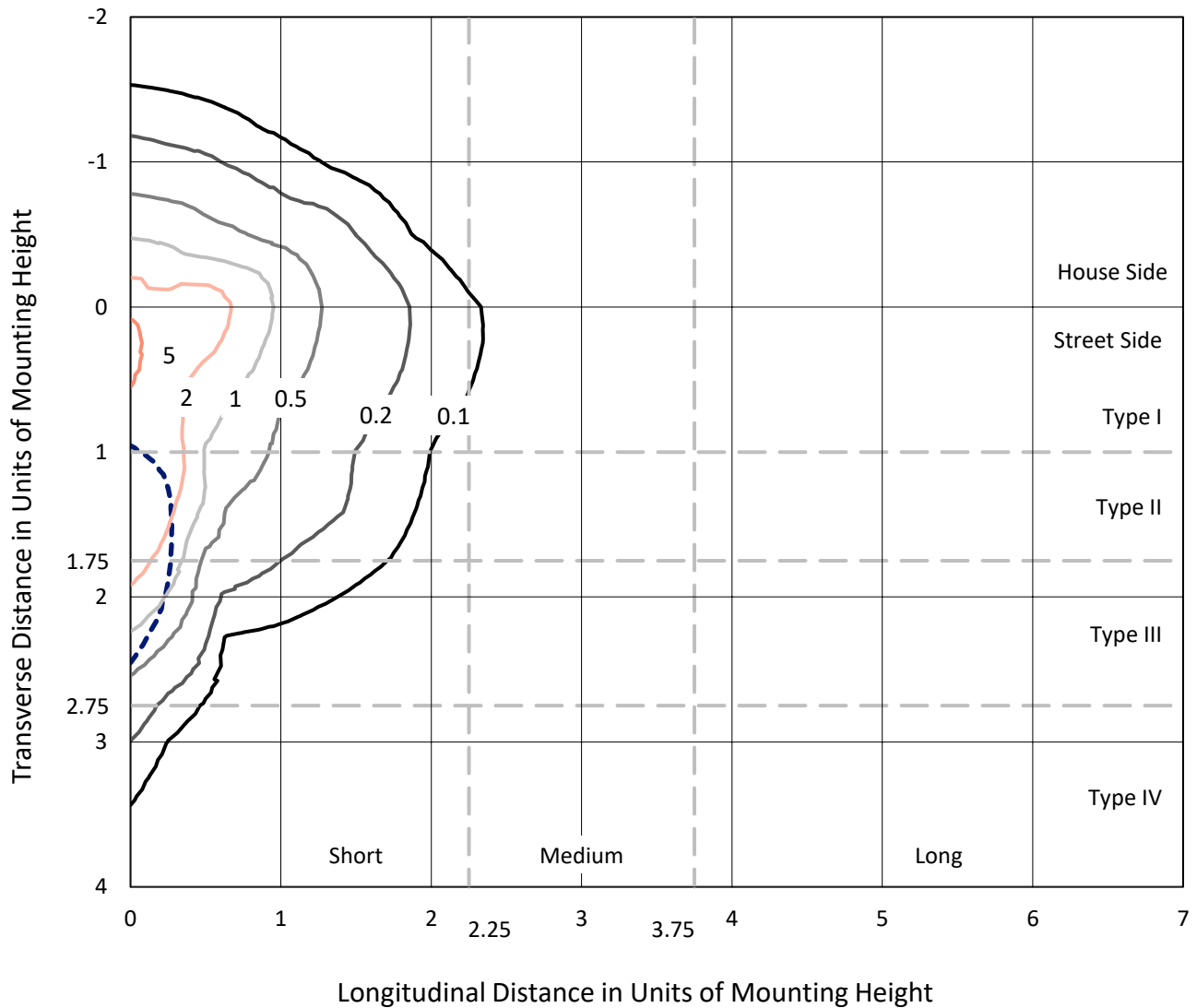
Lumens per Lamp: N/A  
Luminaire Lumens: 18654 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

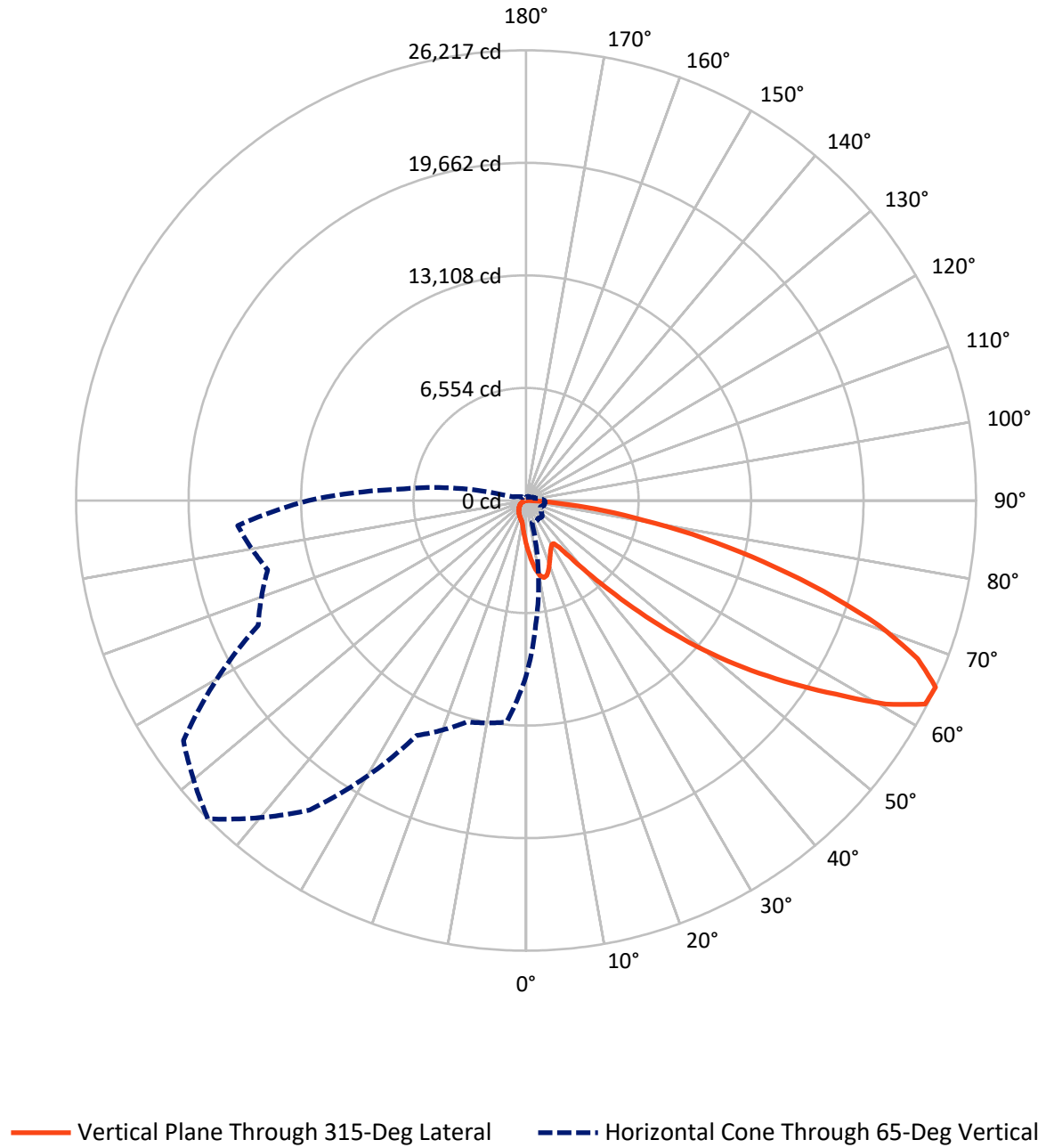
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	2612.4	0.0	2612.4
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	16041.7	0.0	16041.7
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	18654.0	0.0	18654.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.3	1.4
10°-20°	762.3	4.1
20°-30°	1123.1	6.0
30°-40°	1442.8	7.7
40°-50°	2333.5	12.5
50°-60°	4092.0	21.9
60°-70°	5120.2	27.4
70°-80°	2992.0	16.0
80°-90°	533.8	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°	18654.0	100.0
0°-180°	18654.0	100.0

**Coefficient of Utilization**



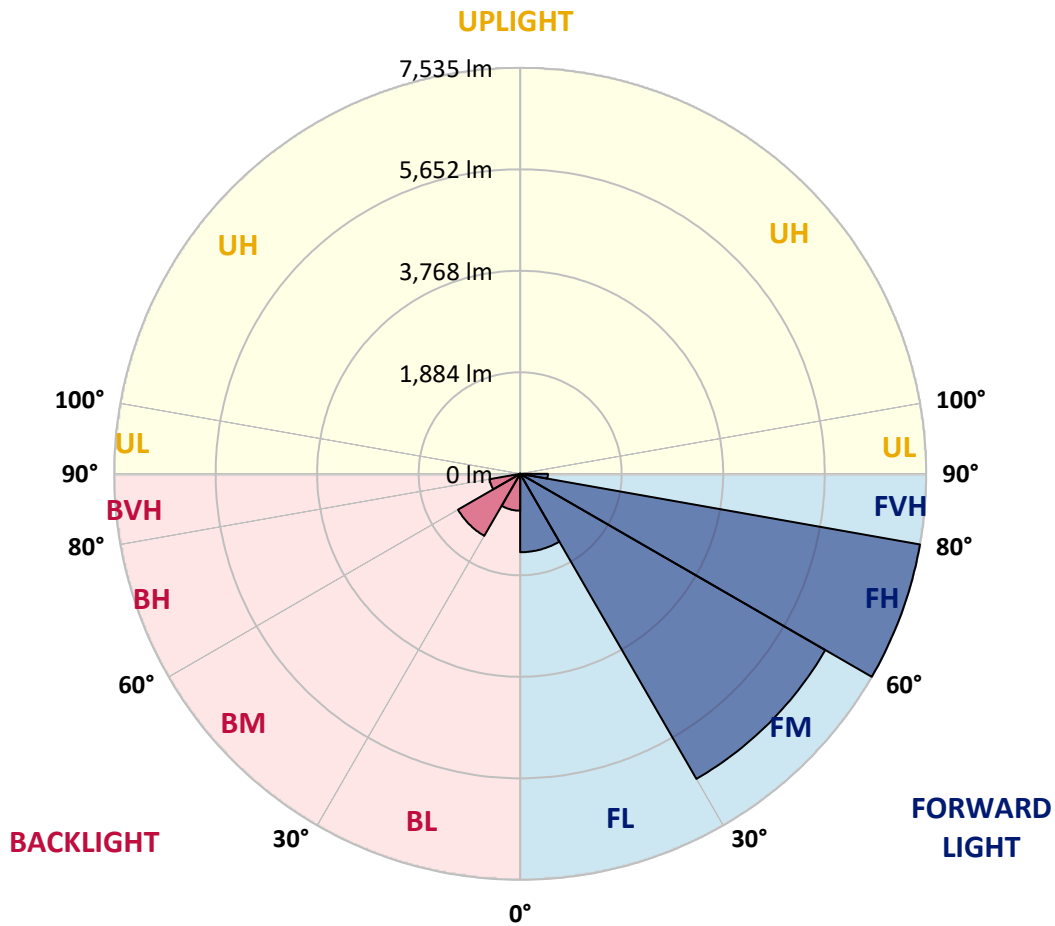
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1454.9	7.8			
FM (30°-60°)	6538.0	35.0			
FH (60°-80°)	7535.4	40.4			G4/12000
FVH (80°-90°)	513.3	2.8			G4/750
BL (0°-30°)	684.7	3.7	B2/1000		
BM (30°-60°)	1330.3	7.1	B2/2500		
BH (60°-80°)	576.8	3.1	B2/1000		G2/1000
BVH (80°-90°)	20.5	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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0
2.5°	2918.4	2868.3	2838.7	2765.5	2692.2	2633.1	2553.4	2500.7	2437.8	2377.4
5°	3252.5	3171.5	3073.9	2940.2	2818.1	2693.5	2572.7	2453.2	2327.3	2211.6
7.5°	3535.2	3418.3	3246.1	3068.7	2913.2	2762.9	2621.5	2463.5	2310.5	2129.4
10°	3751.1	3602.0	3375.9	3143.3	2964.6	2813.0	2675.5	2541.9	2387.7	2169.2
12.5°	3882.2	3722.8	3454.3	3181.8	2977.5	2807.9	2701.2	2642.1	2581.7	2364.5
15°	3978.6	3806.4	3509.5	3208.8	2947.9	2739.8	2661.4	2720.5	2789.9	2651.1
17.5°	4078.8	3897.6	3581.5	3220.4	2868.3	2607.4	2574.0	2726.9	2887.5	2881.1
20°	4173.9	3994.0	3644.4	3212.7	2739.8	2446.8	2476.3	2671.7	2858.0	2936.4
22.5°	4283.1	4092.9	3704.8	3183.1	2572.7	2296.4	2388.9	2584.3	2747.5	2840.0
25°	4416.8	4217.6	3789.7	3139.4	2392.8	2171.8	2300.3	2482.7	2615.1	2679.4
27.5°	4560.7	4366.7	3902.7	3116.3	2247.6	2083.1	2200.0	2362.0	2480.2	2525.2
30°	4739.3	4540.1	4036.4	3090.6	2152.5	2031.7	2095.9	2221.9	2337.5	2382.5
32.5°	4934.7	4732.9	4164.9	3028.9	2094.7	1993.1	1994.4	2074.1	2179.5	2233.4
35°	5178.8	4964.2	4302.4	2894.0	2048.4	1948.2	1895.5	1934.0	2021.4	2085.7
37.5°	5527.1	5267.5	4470.7	2701.2	1980.3	1878.8	1791.4	1800.4	1867.2	1937.9
40°	6007.7	5674.9	4668.6	2500.7	1882.6	1781.1	1677.0	1673.2	1722.0	1791.4
42.5°	6657.9	6213.3	4906.4	2309.3	1788.8	1662.9	1556.2	1549.8	1588.3	1648.7
45°	7516.3	6902.1	5198.1	2144.8	1715.6	1547.2	1441.8	1439.3	1471.4	1524.1
47.5°	8615.1	7859.5	5489.8	2033.0	1677.0	1456.0	1348.0	1353.2	1381.4	1429.0
50°	10037.6	9107.3	5578.5	1976.4	1677.0	1407.1	1264.5	1290.2	1313.3	1349.3
52.5°	11742.9	10304.9	5285.5	1925.0	1687.3	1413.6	1193.8	1249.1	1265.8	1296.6
55°	13323.6	10892.2	4544.0	1854.3	1689.9	1453.4	1133.4	1215.7	1246.5	1258.1
57.5°	14241.1	10690.5	3674.0	1734.8	1679.6	1480.4	1094.9	1174.6	1233.7	1241.4
60°	14066.3	9982.4	2705.1	1643.6	1603.8	1470.1	1083.3	1111.6	1205.4	1217.0
62.5°	12719.6	8795.0	1877.5	1572.9	1436.7	1425.1	1079.5	1012.6	1143.7	1172.0
65°	10224.0	6923.9	1326.2	1354.5	1259.4	1327.5	1058.9	909.8	1069.2	1107.7
67.5°	7417.4	4685.3	957.4	1097.4	1141.1	1169.4	1012.6	835.3	984.4	1035.8
70°	4759.9	2530.3	672.1	724.8	961.2	993.4	933.0	768.5	898.3	957.4
72.5°	3383.6	1494.5	483.2	507.6	772.3	827.6	821.2	693.9	798.0	870.0
75°	2335.0	823.7	326.4	362.4	560.3	672.1	633.5	596.3	675.9	749.2
77.5°	1463.7	368.8	195.3	251.9	367.5	528.2	434.4	461.3	526.9	595.0
80°	814.7	142.6	109.2	167.1	200.5	384.2	240.3	296.9	388.1	436.9
82.5°	177.3	18.0	48.8	72.0	78.4	223.6	127.2	172.2	244.2	240.3
85°	0.0	0.0	9.0	10.3	5.1	96.4	46.3	56.5	79.7	74.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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°
2583.0	0°	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0
2323.4	2.5°	2313.1	2250.2	2203.9	2180.8	2161.5	2179.5	2189.8	2189.8	2233.4	2259.1
2140.9	5°	2095.9	1982.9	1896.8	1838.9	1804.2	1815.8	1828.6	1842.8	1898.0	1935.3
2033.0	7.5°	1945.6	1772.1	1641.0	1560.1	1517.7	1524.1	1533.1	1544.6	1598.6	1635.9
2048.4	10°	1917.3	1668.0	1483.0	1376.3	1324.9	1315.9	1310.8	1306.9	1339.0	1367.3
2223.2	12.5°	2033.0	1673.2	1414.9	1285.1	1222.1	1195.1	1164.3	1139.9	1145.0	1163.0
2487.9	15°	2239.9	1738.7	1393.0	1237.5	1159.1	1114.2	1078.2	1048.6	1042.2	1048.6
2719.2	17.5°	2476.3	1827.4	1390.4	1196.4	1098.7	1052.5	1022.9	995.9	986.9	988.2
2849.0	20°	2633.1	1898.0	1382.7	1150.1	1040.9	999.8	974.1	947.1	938.1	940.7
2813.0	22.5°	2648.5	1935.3	1371.2	1098.7	983.1	948.4	922.7	898.3	897.0	897.0
2678.1	25°	2565.0	1935.3	1346.7	1052.5	927.8	897.0	873.8	844.3	849.4	852.0
2525.2	27.5°	2435.2	1889.0	1300.5	1015.2	880.3	848.1	825.0	798.0	804.5	808.3
2382.5	30°	2306.7	1829.9	1245.2	972.8	835.3	798.0	781.3	758.2	760.8	765.9
2241.2	32.5°	2187.2	1767.0	1179.7	938.1	790.3	753.0	740.2	714.5	718.4	723.5
2102.4	35°	2069.0	1697.6	1102.6	897.0	749.2	711.9	701.6	672.1	674.7	682.4
1963.6	37.5°	1941.7	1624.3	1039.6	855.9	709.4	670.8	660.5	629.7	632.3	641.2
1819.7	40°	1808.1	1552.4	977.9	812.2	666.9	628.4	619.4	586.0	588.6	598.8
1678.3	42.5°	1673.2	1474.0	930.4	755.6	623.3	582.1	573.1	542.3	546.2	557.7
1554.9	45°	1548.5	1380.2	899.5	692.7	582.1	535.9	526.9	498.6	506.3	519.2
1450.8	47.5°	1441.8	1283.8	886.7	640.0	538.4	488.3	480.6	457.5	470.3	484.5
1362.2	50°	1350.6	1191.3	870.0	586.0	497.3	447.2	439.5	424.1	440.8	454.9
1301.8	52.5°	1285.1	1085.9	834.0	537.2	461.3	412.5	409.9	402.2	417.6	430.5
1256.8	55°	1228.5	976.6	776.2	494.8	429.2	382.9	385.5	381.7	394.5	404.8
1229.8	57.5°	1177.1	881.6	702.9	461.3	394.5	357.2	365.0	359.8	366.2	372.7
1201.5	60°	1115.4	785.2	615.5	424.1	353.4	331.5	340.5	326.4	325.1	327.7
1150.1	62.5°	1024.2	655.4	524.3	377.8	317.4	303.3	307.1	280.1	259.6	259.6
1074.3	65°	897.0	526.9	439.5	326.4	276.3	264.7	262.2	223.6	195.3	192.8
992.1	67.5°	749.2	433.1	365.0	275.0	230.0	222.3	224.9	196.6	168.3	165.8
909.8	70°	610.4	358.5	294.3	219.7	177.3	185.0	196.6	168.3	141.4	137.5
813.4	72.5°	496.0	285.3	230.0	168.3	131.1	152.9	167.1	137.5	111.8	109.2
693.9	75°	382.9	209.5	164.5	114.4	95.1	118.2	131.1	100.2	79.7	75.8
537.2	77.5°	255.7	129.8	92.5	72.0	56.5	81.0	87.4	52.7	46.3	45.0
390.7	80°	155.5	60.4	39.8	34.7	19.3	29.6	34.7	21.8	24.4	25.7
208.2	82.5°	78.4	16.7	6.4	1.3	0.0	0.0	10.3	5.1	10.3	12.9
56.5	85°	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.4
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°
2583.0	0°	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0
2269.4	2.5°	2341.4	2395.4	2446.8	2529.0	2613.8	2697.4	2782.2	2864.4	2894.0	2915.8
1959.7	5°	2071.5	2173.0	2291.3	2454.5	2629.2	2809.2	2991.6	3158.7	3234.5	3285.9
1668.0	7.5°	1792.7	1925.0	2094.7	2340.1	2613.8	2900.4	3187.0	3450.4	3572.5	3671.4
1393.0	10°	1516.4	1660.3	1874.9	2155.1	2525.2	2936.4	3332.2	3694.6	3852.6	3977.3
1195.1	12.5°	1273.5	1408.4	1633.3	1943.0	2386.4	2908.1	3415.7	3851.3	4037.7	4177.7
1053.8	15°	1102.6	1197.7	1396.9	1731.0	2221.9	2816.9	3420.8	3925.9	4130.2	4276.7
994.6	17.5°	1007.5	1039.6	1169.4	1515.1	2039.4	2697.4	3373.3	3951.6	4170.0	4306.3
942.0	20°	956.1	961.2	997.2	1234.9	1805.5	2585.6	3328.3	3977.3	4207.3	4321.7
904.7	22.5°	915.0	915.0	924.0	1010.1	1503.5	2451.9	3314.2	4022.3	4258.7	4329.4
862.3	25°	877.7	877.7	880.3	903.4	1191.3	2247.6	3305.2	4091.6	4329.4	4348.7
819.9	27.5°	839.1	840.4	840.4	853.3	959.9	1970.0	3266.6	4181.6	4414.2	4374.4
778.7	30°	800.6	803.2	803.2	812.2	849.4	1644.9	3190.8	4289.5	4524.7	4407.8
737.6	32.5°	762.0	764.6	764.6	772.3	799.3	1313.3	3095.7	4388.5	4636.5	4421.9
697.8	35°	722.2	726.1	723.5	733.8	762.0	1044.8	2974.9	4487.4	4757.3	4466.9
659.2	37.5°	682.4	684.9	683.7	693.9	726.1	902.1	2834.9	4562.0	4921.8	4567.1
618.1	40°	642.5	641.2	641.2	652.8	687.5	861.0	2658.8	4680.2	5158.3	4743.2
577.0	42.5°	601.4	601.4	598.8	611.7	654.1	830.2	2490.5	4892.2	5502.7	5023.3
538.4	45°	564.1	562.9	557.7	569.3	622.0	776.2	2431.3	5288.0	6011.5	5477.0
499.9	47.5°	528.2	526.9	514.0	524.3	583.4	727.3	2652.4	5935.7	6717.0	6143.9
469.0	50°	496.0	497.3	472.9	481.9	544.9	690.1	3131.7	6776.2	7653.9	7042.2
443.3	52.5°	466.5	466.5	434.4	439.5	497.3	656.7	3587.9	7687.3	8890.1	8295.1
416.4	55°	436.9	434.4	398.4	400.9	449.8	609.1	3656.0	8576.5	10576.1	10180.3
386.8	57.5°	403.5	398.4	365.0	365.0	406.1	574.4	3169.0	9260.2	12668.2	12950.9
331.5	60°	362.4	358.5	336.7	330.3	371.4	605.3	2236.0	9339.9	14017.5	16635.2
263.4	62.5°	309.7	314.8	303.3	294.3	338.0	628.4	1324.9	8698.6	13691.1	17807.2
204.3	65°	244.2	264.7	262.2	255.7	371.4	529.4	782.6	7467.5	12690.0	16861.3
178.6	67.5°	208.2	222.3	218.5	218.5	389.4	402.2	492.2	5834.2	11312.4	15739.5
149.1	70°	177.3	191.5	177.3	177.3	294.3	244.2	340.5	4073.7	9825.6	14498.1
119.5	72.5°	146.5	160.6	145.2	134.9	235.2	182.5	249.3	2545.7	8414.6	13205.3
84.8	75°	111.8	128.5	116.9	104.1	155.5	136.2	188.9	1479.1	6971.5	11298.3
51.4	77.5°	70.7	92.5	87.4	73.2	114.4	99.0	136.2	880.3	5379.3	8828.4
30.8	80°	43.7	47.5	48.8	46.3	65.5	66.8	92.5	501.2	3681.7	6152.9
19.3	82.5°	28.3	28.3	21.8	24.4	32.1	38.6	52.7	188.9	2164.1	3746.0
11.6	85°	20.6	18.0	11.6	11.6	15.4	19.3	20.6	57.8	877.7	1479.1
5.1	87.5°	10.3	9.0	3.9	5.1	7.7	6.4	5.1	2.6	221.0	472.9
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°
2583.0	0°	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0	2583.0
2964.6	2.5°	2990.3	3030.2	3032.8	3032.8	2998.1	2996.8	2926.1	2918.4
3401.6	5°	3521.1	3546.8	3553.2	3540.4	3471.0	3419.6	3282.1	3252.5
3847.5	7.5°	4006.8	4058.2	4058.2	4027.4	3914.3	3808.9	3609.7	3535.2
4216.3	10°	4394.9	4454.0	4441.2	4378.2	4235.6	4090.4	3848.8	3751.1
4439.9	12.5°	4583.8	4644.2	4610.8	4538.9	4400.1	4247.1	3992.7	3882.2
4504.2	15°	4580.0	4563.3	4528.6	4519.6	4452.8	4337.1	4099.4	3978.6
4464.3	17.5°	4416.8	4275.4	4248.4	4338.4	4423.2	4394.9	4191.9	4078.8
4369.2	20°	4158.5	3911.7	3887.3	4059.5	4301.1	4424.5	4278.0	4173.9
4231.7	22.5°	3886.0	3620.0	3563.5	3753.7	4117.4	4433.5	4387.2	4283.1
4080.1	25°	3627.7	3360.4	3303.9	3481.2	3913.0	4418.1	4505.4	4416.8
3934.9	27.5°	3411.8	3153.6	3100.9	3278.2	3716.4	4374.4	4623.7	4560.7
3790.9	30°	3244.8	3005.8	2967.2	3138.1	3546.8	4320.4	4774.0	4739.3
3657.3	32.5°	3147.1	2972.4	2986.5	3126.6	3455.5	4261.3	4917.9	4934.7
3591.8	35°	3243.5	3251.2	3374.6	3432.4	3540.4	4252.3	5113.3	5178.8
3670.1	37.5°	3722.8	3990.1	4245.9	4198.3	3955.4	4356.4	5405.0	5527.1
4012.0	40°	4538.9	5087.6	5502.7	5321.5	4709.8	4675.1	5825.2	6007.7
4618.5	42.5°	5536.1	6466.5	7150.1	6664.4	5682.6	5232.8	6425.3	6657.9
5352.3	45°	6588.5	8166.6	9243.5	8233.4	6719.6	6014.1	7333.9	7516.3
6039.8	47.5°	7697.5	10233.0	11626.0	9973.4	7680.8	6903.4	8572.7	8615.1
6691.3	50°	8910.6	12498.5	14054.8	11712.1	8608.7	7922.4	10086.5	10037.6
7450.8	52.5°	10065.9	14828.4	16432.1	13458.5	9423.4	9186.9	11843.2	11742.9
8489.1	55°	11168.5	17156.9	18823.6	15136.8	10191.9	10857.5	13930.1	13323.6
9986.2	57.5°	12447.1	19250.3	21288.4	16822.8	11266.2	13026.7	16263.8	14241.1
12853.2	60°	14337.5	21628.9	24075.7	19133.3	13309.4	15306.4	17100.4	14066.3
16286.9	62.5°	16750.8	23816.1	26102.3	21397.6	15361.7	15735.6	15868.0	12719.6
15586.6	65°	17219.9	24370.0	26216.6	22002.9	15097.0	13348.0	12954.7	10224.0
13922.4	67.5°	15975.9	23368.9	24618.0	20875.9	13354.4	10315.2	9721.5	7417.4
12830.1	70°	14580.4	21460.6	21832.0	18959.9	11745.5	7587.0	6565.4	4759.9
12082.2	72.5°	13150.1	18914.9	18146.4	16465.5	10322.9	5524.5	4735.5	3383.6
11016.9	75°	11451.2	15567.3	14293.8	13680.8	8547.0	4335.8	3426.0	2335.0
9476.1	77.5°	9170.2	10957.8	10617.2	10604.4	6422.8	3167.7	2286.1	1463.7
7403.3	80°	6469.0	7111.6	6938.1	7986.7	4308.8	2297.7	1376.3	814.7
5153.1	82.5°	3131.7	3932.3	4036.4	4756.0	2095.9	1351.9	317.4	177.3
2015.0	85°	1226.0	1896.8	1599.9	1805.5	588.6	376.5	7.7	0.0
331.5	87.5°	137.5	219.7	201.8	159.3	72.0	15.4	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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