

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: P954270

Luminaire Tested: **GALN-SB7C-827-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954270  
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-SB7C-827-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

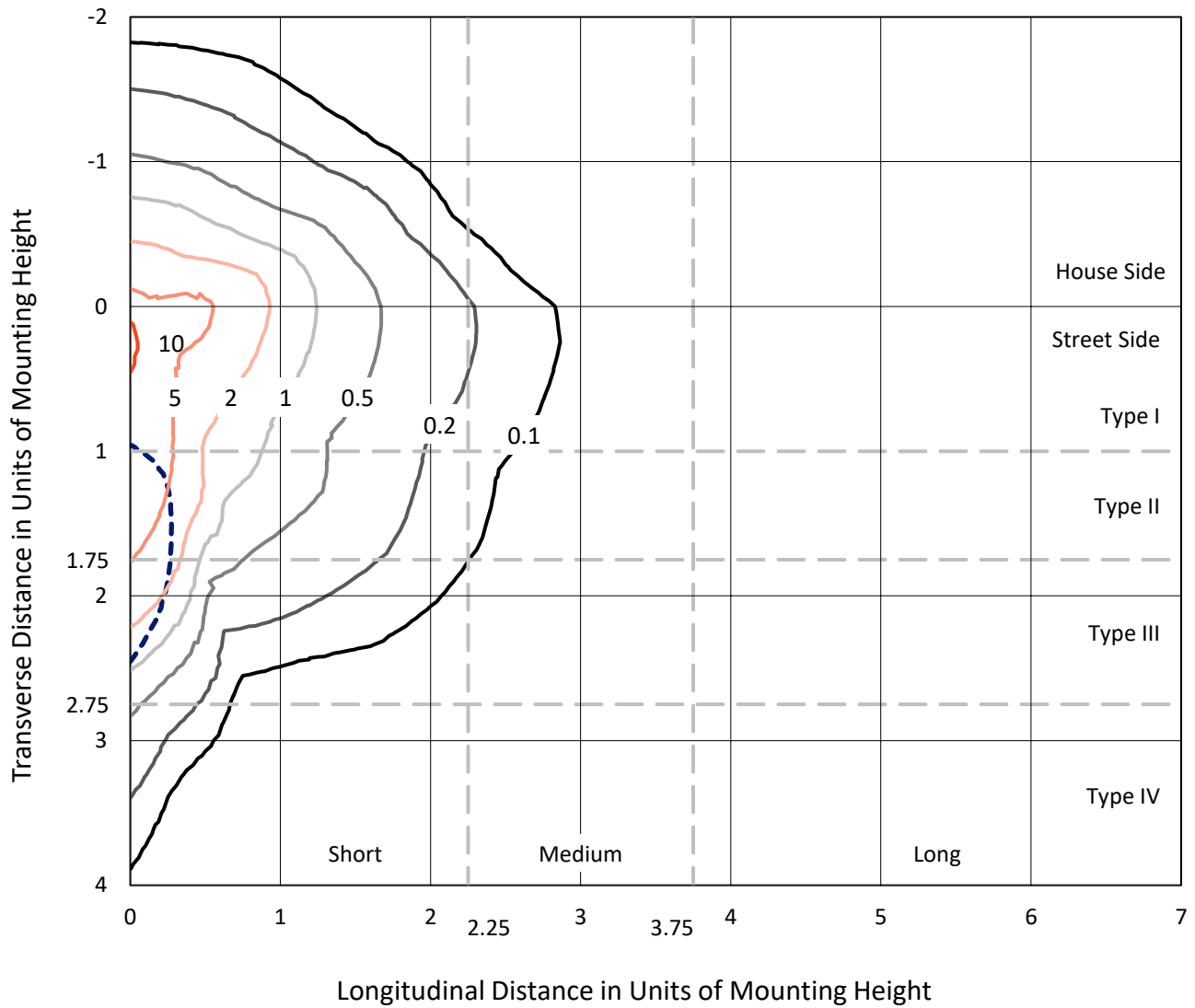
Lumens per Lamp: N/A  
Luminaire Lumens: 35346 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

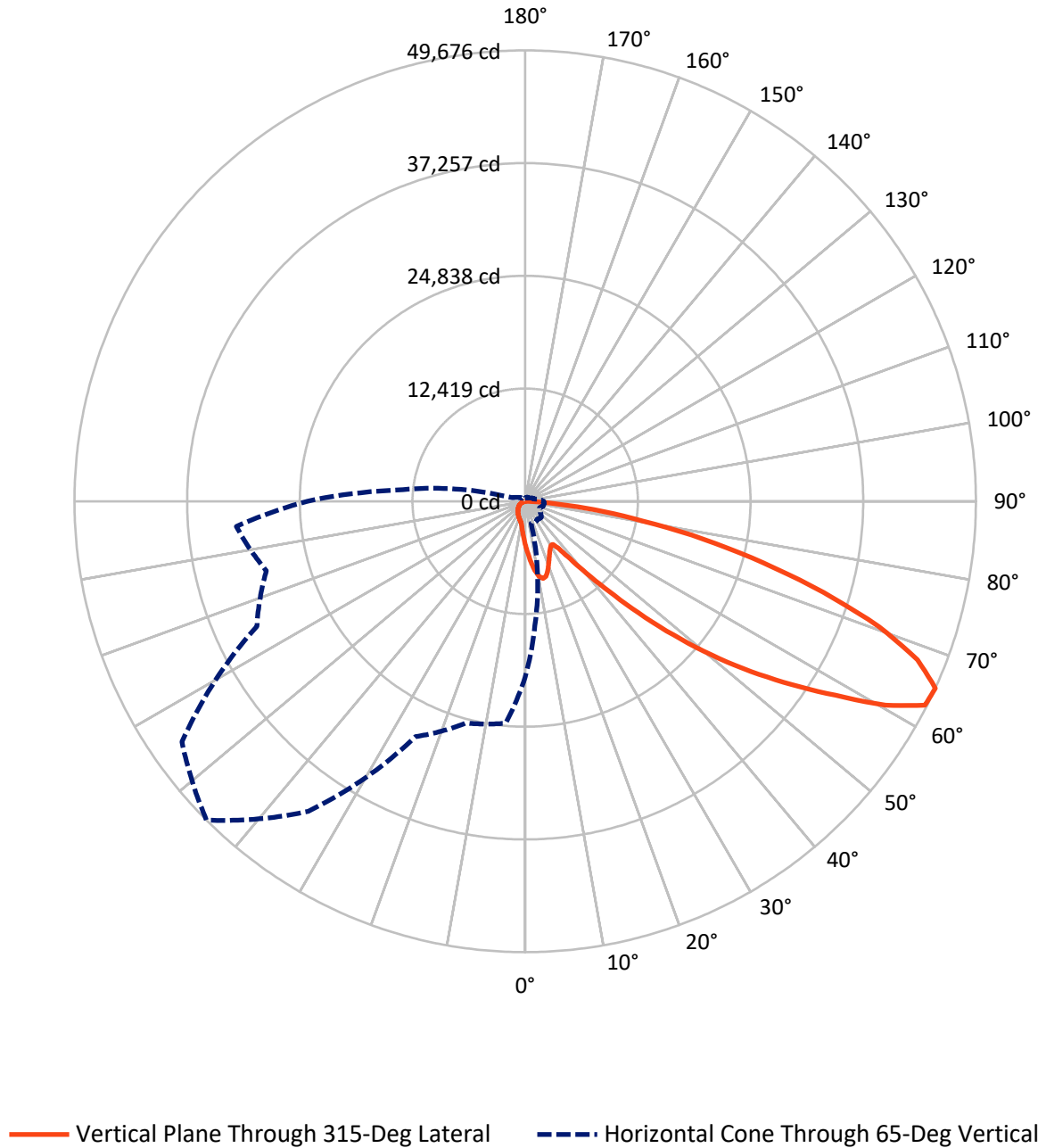
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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	4949.9	0.0	4949.9
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	30396.0	0.0	30396.0
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	35346.0	0.0	35346.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.9	1.4
10°-20°	1444.5	4.1
20°-30°	2128.0	6.0
30°-40°	2733.9	7.7
40°-50°	4421.5	12.5
50°-60°	7753.6	21.9
60°-70°	9701.8	27.4
70°-80°	5669.3	16.0
80°-90°	1011.5	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°	35346.0	100.0
0°-180°	35346.0	100.0

**Coefficient of Utilization**



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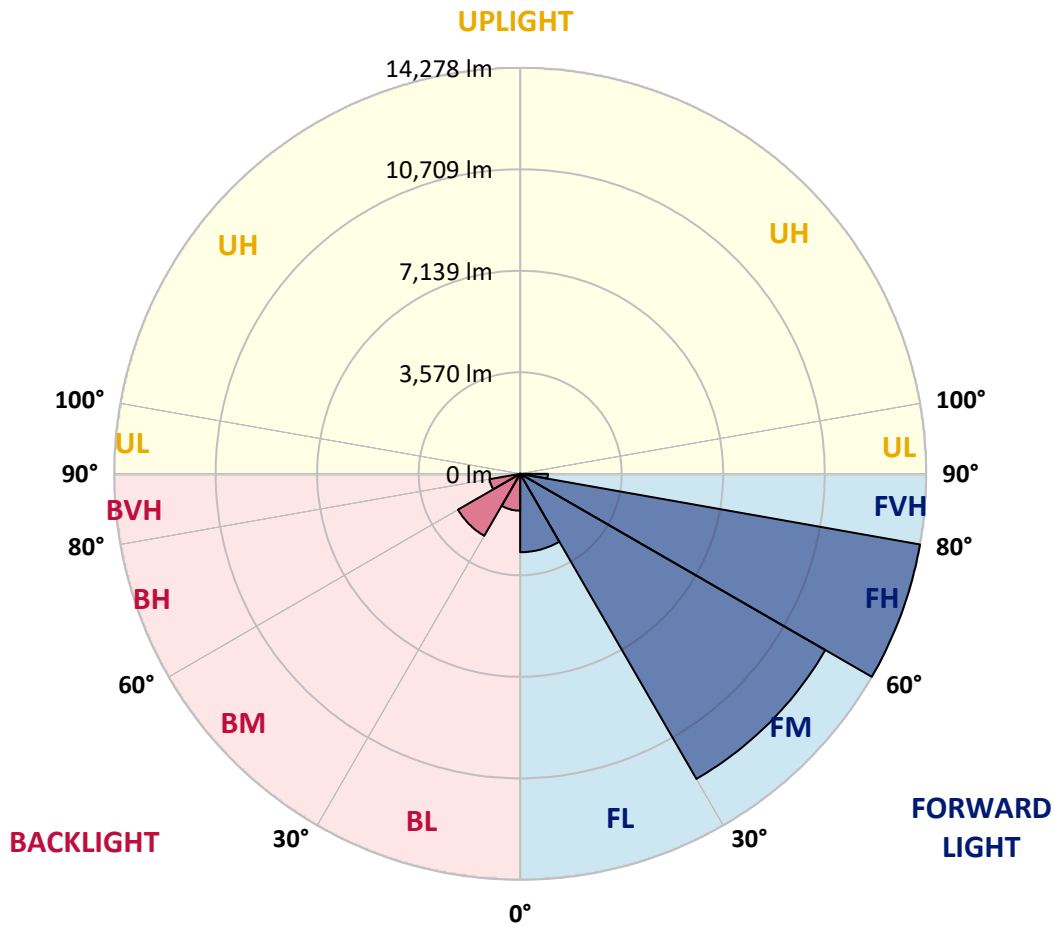
CATALOG NUMBER: GALN-SB7C-827-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2756.9	7.8			
FM (30°-60°)	12388.4	35.0			
FH (60°-80°)	14278.2	40.4			G5
FVH (80°-90°)	972.6	2.8			G5
BL (0°-30°)	1297.5	3.7	B3/2500		
BM (30°-60°)	2520.6	7.1	B3/5000		
BH (60°-80°)	1093.0	3.1	B3/2500		G3/2500
BVH (80°-90°)	38.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3
2.5°	5529.8	5434.9	5378.8	5240.1	5101.3	4989.3	4838.3	4738.5	4619.1	4504.7
5°	6162.9	6009.5	5824.4	5571.2	5339.9	5103.7	4874.8	4648.4	4409.7	4190.6
7.5°	6698.6	6477.0	6150.7	5814.7	5520.1	5235.2	4967.3	4667.8	4378.1	4034.7
10°	7107.7	6825.2	6396.7	5955.9	5617.5	5330.1	5069.6	4816.4	4524.2	4110.2
12.5°	7356.0	7054.1	6545.2	6029.0	5641.8	5320.4	5118.3	5006.3	4891.9	4480.3
15°	7538.7	7212.4	6649.9	6080.1	5585.8	5191.4	5042.8	5154.8	5286.3	5023.3
17.5°	7728.6	7385.3	6786.3	6102.0	5434.9	4940.6	4877.2	5167.0	5471.4	5459.2
20°	7908.8	7567.9	6905.6	6087.4	5191.4	4636.2	4692.2	5062.3	5415.4	5563.9
22.5°	8115.8	7755.4	7020.0	6031.4	4874.8	4351.3	4526.6	4896.7	5206.0	5381.3
25°	8369.0	7991.6	7180.7	5948.6	4533.9	4115.1	4358.6	4704.4	4955.2	5076.9
27.5°	8641.7	8274.0	7395.0	5904.8	4258.8	3947.1	4168.7	4475.5	4699.5	4784.7
30°	8980.2	8602.7	7648.2	5856.1	4078.6	3849.7	3971.4	4210.1	4429.2	4514.4
32.5°	9350.3	8968.0	7891.7	5739.2	3969.0	3776.6	3779.1	3930.0	4129.7	4232.0
35°	9812.9	9406.3	8152.3	5483.6	3881.3	3691.4	3591.6	3664.6	3830.2	3952.0
37.5°	10472.8	9980.9	8471.3	5118.3	3752.3	3559.9	3394.3	3411.4	3538.0	3671.9
40°	11383.5	10752.8	8846.2	4738.5	3567.2	3374.9	3177.6	3170.3	3262.9	3394.3
42.5°	12615.6	11773.1	9296.7	4375.6	3389.5	3150.9	2948.7	2936.6	3009.6	3124.1
45°	14242.1	13078.2	9849.5	4064.0	3250.7	2931.7	2732.0	2727.2	2788.0	2887.9
47.5°	16324.0	14892.3	10402.2	3852.1	3177.6	2758.8	2554.3	2564.0	2617.6	2707.7
50°	19019.6	17256.6	10570.2	3745.0	3177.6	2666.3	2396.0	2444.7	2488.5	2556.7
52.5°	22250.8	19526.0	10015.0	3647.6	3197.1	2678.5	2262.1	2366.8	2398.4	2456.9
55°	25245.8	20638.8	8610.1	3513.7	3202.0	2754.0	2147.6	2303.5	2361.9	2383.8
57.5°	26984.3	20256.5	6961.6	3287.2	3182.5	2805.1	2074.6	2225.6	2337.6	2352.2
60°	26653.2	18914.8	5125.6	3114.3	3038.8	2785.6	2052.7	2106.2	2284.0	2305.9
62.5°	24101.3	16664.9	3557.5	2980.4	2722.3	2700.4	2045.4	1918.8	2167.1	2220.7
65°	19372.6	13119.6	2512.9	2566.5	2386.3	2515.3	2006.4	1724.0	2025.9	2098.9
67.5°	14054.6	8877.9	1814.1	2079.5	2162.3	2215.8	1918.8	1582.7	1865.2	1962.6
70°	9019.1	4794.5	1273.5	1373.3	1821.4	1882.2	1767.8	1456.1	1702.0	1814.1
72.5°	6411.3	2831.9	915.5	961.8	1463.4	1568.1	1555.9	1314.9	1512.1	1648.5
75°	4424.3	1560.8	618.5	686.7	1061.6	1273.5	1200.4	1129.8	1280.8	1419.6
77.5°	2773.4	698.8	370.1	477.3	696.4	1000.8	823.0	874.2	998.3	1127.4
80°	1543.8	270.3	207.0	316.5	379.9	728.1	455.3	562.5	735.4	827.9
82.5°	336.0	34.1	92.5	136.4	148.5	423.7	241.1	326.3	462.6	455.3
85°	0.0	0.0	17.0	19.5	9.7	182.6	87.7	107.1	151.0	141.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
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°
4894.3	0°	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3
4402.4	2.5°	4382.9	4263.6	4176.0	4132.1	4095.6	4129.7	4149.2	4149.2	4232.0	4280.7
4056.7	5°	3971.4	3757.2	3594.0	3484.4	3418.7	3440.6	3465.0	3491.7	3596.5	3667.1
3852.1	7.5°	3686.5	3357.8	3109.5	2956.1	2875.7	2887.9	2904.9	2926.8	3029.1	3099.7
3881.3	10°	3633.0	3160.6	2810.0	2607.9	2510.5	2493.4	2483.7	2476.4	2537.2	2590.8
4212.5	12.5°	3852.1	3170.3	2680.9	2435.0	2315.7	2264.5	2206.1	2159.8	2169.6	2203.6
4714.1	15°	4244.2	3294.5	2639.5	2344.9	2196.3	2111.1	2042.9	1986.9	1974.8	1986.9
5152.4	17.5°	4692.2	3462.5	2634.6	2267.0	2081.9	1994.2	1938.2	1887.1	1870.1	1872.5
5398.3	20°	4989.3	3596.5	2620.0	2179.3	1972.3	1894.4	1845.7	1794.6	1777.5	1782.4
5330.1	22.5°	5018.5	3667.1	2598.1	2081.9	1862.8	1797.0	1748.3	1702.0	1699.6	1699.6
5074.5	25°	4860.2	3667.1	2551.8	1994.2	1758.0	1699.6	1655.8	1599.8	1609.5	1614.4
4784.7	27.5°	4614.3	3579.4	2464.2	1923.6	1668.0	1607.1	1563.3	1512.1	1524.3	1531.6
4514.4	30°	4370.8	3467.4	2359.5	1843.3	1582.7	1512.1	1480.5	1436.6	1441.5	1451.2
4246.6	32.5°	4144.3	3348.1	2235.3	1777.5	1497.5	1426.9	1402.5	1353.8	1361.1	1370.9
3983.6	35°	3920.3	3216.6	2089.2	1699.6	1419.6	1349.0	1329.5	1273.5	1278.4	1293.0
3720.6	37.5°	3679.2	3077.8	1969.9	1621.7	1344.1	1271.1	1251.6	1193.1	1198.0	1215.1
3447.9	40°	3426.0	2941.4	1853.0	1538.9	1263.7	1190.7	1173.7	1110.3	1115.2	1134.7
3180.1	42.5°	3170.3	2792.9	1762.9	1431.8	1181.0	1103.0	1086.0	1027.6	1034.9	1056.8
2946.3	45°	2934.1	2615.2	1704.5	1312.4	1103.0	1015.4	998.3	944.8	959.4	983.7
2749.1	47.5°	2732.0	2432.5	1680.1	1212.6	1020.3	925.3	910.7	866.8	891.2	918.0
2581.1	50°	2559.2	2257.2	1648.5	1110.3	942.3	847.4	832.8	803.5	835.2	862.0
2466.6	52.5°	2435.0	2057.5	1580.3	1017.8	874.2	781.6	776.8	762.1	791.4	815.7
2381.4	55°	2327.8	1850.6	1470.7	937.5	813.3	725.6	730.5	723.2	747.5	767.0
2330.3	57.5°	2230.4	1670.4	1331.9	874.2	747.5	676.9	691.5	681.8	694.0	706.1
2276.7	60°	2113.6	1487.8	1166.4	803.5	669.6	628.2	645.3	618.5	616.0	620.9
2179.3	62.5°	1940.7	1241.8	993.5	715.9	601.4	574.7	582.0	530.8	491.9	491.9
2035.6	65°	1699.6	998.3	832.8	618.5	523.5	501.6	496.7	423.7	370.1	365.2
1879.8	67.5°	1419.6	820.6	691.5	521.1	435.9	421.2	426.1	372.6	319.0	314.1
1724.0	70°	1156.6	679.4	557.6	416.4	336.0	350.6	372.6	319.0	267.8	260.5
1541.3	72.5°	939.9	540.6	435.9	319.0	248.4	289.8	316.5	260.5	211.8	207.0
1314.9	75°	725.6	396.9	311.7	216.7	180.2	224.0	248.4	189.9	151.0	143.7
1017.8	77.5°	484.6	245.9	175.3	136.4	107.1	153.4	165.6	99.8	87.7	85.2
740.2	80°	294.6	114.4	75.5	65.7	36.5	56.0	65.7	41.4	46.3	48.7
394.5	82.5°	148.5	31.7	12.2	2.4	0.0	0.0	19.5	9.7	19.5	24.3
107.1	85°	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	12.2
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°
4894.3	0°	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3
4300.2	2.5°	4436.5	4538.8	4636.2	4792.0	4952.7	5111.0	5271.7	5427.5	5483.6	5524.9
3713.3	5°	3925.2	4117.5	4341.6	4650.8	4981.9	5322.8	5668.6	5985.2	6128.8	6226.2
3160.6	7.5°	3396.8	3647.6	3969.0	4434.1	4952.7	5495.7	6038.7	6537.9	6769.2	6956.7
2639.5	10°	2873.3	3146.0	3552.6	4083.4	4784.7	5563.9	6313.9	7000.5	7300.0	7536.2
2264.5	12.5°	2413.1	2668.7	3094.8	3681.7	4521.7	5510.3	6472.2	7297.6	7650.7	7916.1
1996.7	15°	2089.2	2269.4	2646.8	3279.9	4210.1	5337.5	6481.9	7438.8	7826.0	8103.6
1884.7	17.5°	1909.0	1969.9	2215.8	2870.8	3864.3	5111.0	6391.8	7487.5	7901.5	8159.6
1784.8	20°	1811.6	1821.4	1889.5	2340.0	3421.1	4899.2	6306.6	7536.2	7972.1	8188.8
1714.2	22.5°	1733.7	1733.7	1750.7	1913.9	2848.9	4645.9	6279.8	7621.5	8069.5	8203.4
1633.9	25°	1663.1	1663.1	1668.0	1711.8	2257.2	4258.8	6262.7	7752.9	8203.4	8239.9
1553.5	27.5°	1590.0	1592.5	1592.5	1616.8	1818.9	3732.8	6189.7	7923.4	8364.1	8288.6
1475.6	30°	1517.0	1521.9	1521.9	1538.9	1609.5	3116.8	6046.0	8127.9	8573.5	8351.9
1397.7	32.5°	1443.9	1448.8	1448.8	1463.4	1514.6	2488.5	5865.8	8315.4	8785.4	8378.7
1322.2	35°	1368.5	1375.8	1370.9	1390.4	1443.9	1979.6	5637.0	8502.9	9014.3	8464.0
1249.1	37.5°	1293.0	1297.8	1295.4	1314.9	1375.8	1709.3	5371.5	8644.1	9325.9	8653.9
1171.2	40°	1217.5	1215.1	1215.1	1237.0	1302.7	1631.4	5038.0	8868.2	9774.0	8987.5
1093.3	42.5°	1139.6	1139.6	1134.7	1159.0	1239.4	1573.0	4719.0	9269.9	10426.5	9518.3
1020.3	45°	1069.0	1066.5	1056.8	1078.7	1178.5	1470.7	4607.0	10019.9	11390.8	10377.8
947.2	47.5°	1000.8	998.3	974.0	993.5	1105.5	1378.2	5025.8	11247.1	12727.6	11641.6
888.8	50°	939.9	942.3	896.1	913.1	1032.4	1307.6	5934.0	12839.6	14502.7	13343.6
840.1	52.5°	883.9	883.9	823.0	832.8	942.3	1244.3	6798.4	14566.0	16845.1	15717.7
788.9	55°	827.9	823.0	754.8	759.7	852.2	1154.2	6927.5	16251.0	20039.8	19289.8
732.9	57.5°	764.6	754.8	691.5	691.5	769.5	1088.4	6004.6	17546.4	24003.9	24539.6
628.2	60°	686.7	679.4	638.0	625.8	703.7	1146.9	4236.8	17697.4	26560.7	31520.7
499.2	62.5°	586.8	596.6	574.7	557.6	640.4	1190.7	2510.5	16482.3	25942.2	33741.4
387.2	65°	462.6	501.6	496.7	484.6	703.7	1003.2	1482.9	14149.6	24045.3	31949.2
338.5	67.5°	394.5	421.2	413.9	413.9	737.8	762.1	932.6	11054.8	21435.0	29823.5
282.5	70°	336.0	362.8	336.0	336.0	557.6	462.6	645.3	7718.9	18617.8	27471.3
226.5	72.5°	277.6	304.4	275.2	255.7	445.6	345.8	472.4	4823.7	15944.2	25021.8
160.7	75°	211.8	243.5	221.6	197.2	294.6	258.1	357.9	2802.7	13209.7	21408.3
97.4	77.5°	133.9	175.3	165.6	138.8	216.7	187.5	258.1	1668.0	10192.8	16728.2
58.4	80°	82.8	90.1	92.5	87.7	124.2	126.6	175.3	949.6	6976.2	11658.6
36.5	82.5°	53.6	53.6	41.4	46.3	60.9	73.0	99.8	357.9	4100.5	7097.9
21.9	85°	39.0	34.1	21.9	21.9	29.2	36.5	39.0	109.6	1663.1	2802.7
9.7	87.5°	19.5	17.0	7.3	9.7	14.6	12.2	9.7	4.9	418.8	896.1
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°
4894.3	0°	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3	4894.3
5617.5	2.5°	5666.2	5741.7	5746.5	5746.5	5680.8	5678.4	5544.4	5529.8
6445.4	5°	6671.8	6720.5	6732.7	6708.3	6576.9	6479.5	6218.9	6162.9
7290.3	7.5°	7592.2	7689.6	7689.6	7631.2	7416.9	7217.3	6839.8	6698.6
7989.1	10°	8327.6	8439.6	8415.3	8295.9	8025.7	7750.5	7292.7	7107.7
8412.8	12.5°	8685.5	8800.0	8736.7	8600.3	8337.3	8047.6	7565.5	7356.0
8534.6	15°	8678.2	8646.6	8580.8	8563.8	8437.2	8218.0	7767.6	7538.7
8459.1	17.5°	8369.0	8101.1	8050.0	8220.5	8381.2	8327.6	7942.9	7728.6
8278.9	20°	7879.6	7412.0	7365.8	7692.1	8149.8	8383.6	8106.0	7908.8
8018.4	22.5°	7363.3	6859.3	6752.2	7112.5	7801.6	8400.6	8313.0	8115.8
7731.0	25°	6873.9	6367.4	6260.3	6596.3	7414.5	8371.4	8537.0	8369.0
7455.9	27.5°	6464.8	5975.4	5875.6	6211.6	7041.9	8288.6	8761.0	8641.7
7183.2	30°	6148.3	5695.4	5622.3	5946.2	6720.5	8186.4	9045.9	8980.2
6929.9	32.5°	5963.2	5632.1	5658.9	5924.3	6547.6	8074.4	9318.6	9350.3
6805.7	35°	6145.9	6160.5	6394.2	6503.8	6708.3	8057.3	9688.7	9812.9
6954.3	37.5°	7054.1	7560.6	8045.1	7955.0	7494.8	8254.5	10241.5	10472.8
7602.0	40°	8600.3	9640.0	10426.5	10083.2	8924.2	8858.4	11037.7	11383.5
8751.3	42.5°	10489.9	12252.8	13548.2	12627.8	10767.4	9915.2	12174.9	12615.6
10141.7	45°	12484.1	15474.2	17514.7	15600.9	12732.5	11395.7	13896.4	14242.1
11444.4	47.5°	14585.5	19389.7	22029.2	18897.8	14553.8	13080.7	16243.7	16324.0
12678.9	50°	16884.1	23682.5	26631.3	22192.3	16311.9	15011.6	19112.1	19019.6
14118.0	52.5°	19073.1	28097.1	31136.0	25501.4	17855.6	17407.6	22440.7	22250.8
16085.4	55°	21162.3	32509.3	35667.4	28681.5	19311.7	20573.1	26395.1	25245.8
18922.2	57.5°	23585.1	36475.9	40337.7	31876.2	21347.4	24683.3	30817.0	26984.3
24354.6	60°	27167.0	40983.0	45619.2	36254.3	25219.0	29002.9	32402.1	26653.2
30860.8	62.5°	31739.8	45127.3	49459.1	40544.7	29107.6	29816.2	30067.0	24101.3
29533.8	65°	32628.6	46176.8	49675.8	41691.6	28606.0	25292.0	24546.9	19372.6
26380.5	67.5°	30271.5	44279.9	46646.7	39556.1	25304.2	19545.5	18420.5	14054.6
24310.7	70°	27627.2	40664.0	41367.7	35925.5	22255.6	14376.1	12440.3	9019.1
22893.6	72.5°	24917.0	35840.3	34384.2	31199.3	19560.1	10467.9	8972.9	6411.3
20875.0	75°	21698.0	29497.2	27084.2	25922.7	16195.0	8215.6	6491.6	4424.3
17955.5	77.5°	17375.9	20763.0	20117.7	20093.4	12170.0	6002.2	4331.8	2773.4
14027.9	80°	12257.6	13475.1	13146.4	15133.3	8164.5	4353.7	2607.9	1543.8
9764.2	82.5°	5934.0	7451.0	7648.2	9011.8	3971.4	2561.6	601.4	336.0
3818.0	85°	2323.0	3594.0	3031.5	3421.1	1115.2	713.4	14.6	0.0
628.2	87.5°	260.5	416.4	382.3	301.9	136.4	29.2	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)