

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: P956160

Luminaire Tested: **GALN-SB8D-927-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956160  
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-SB8D-927-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

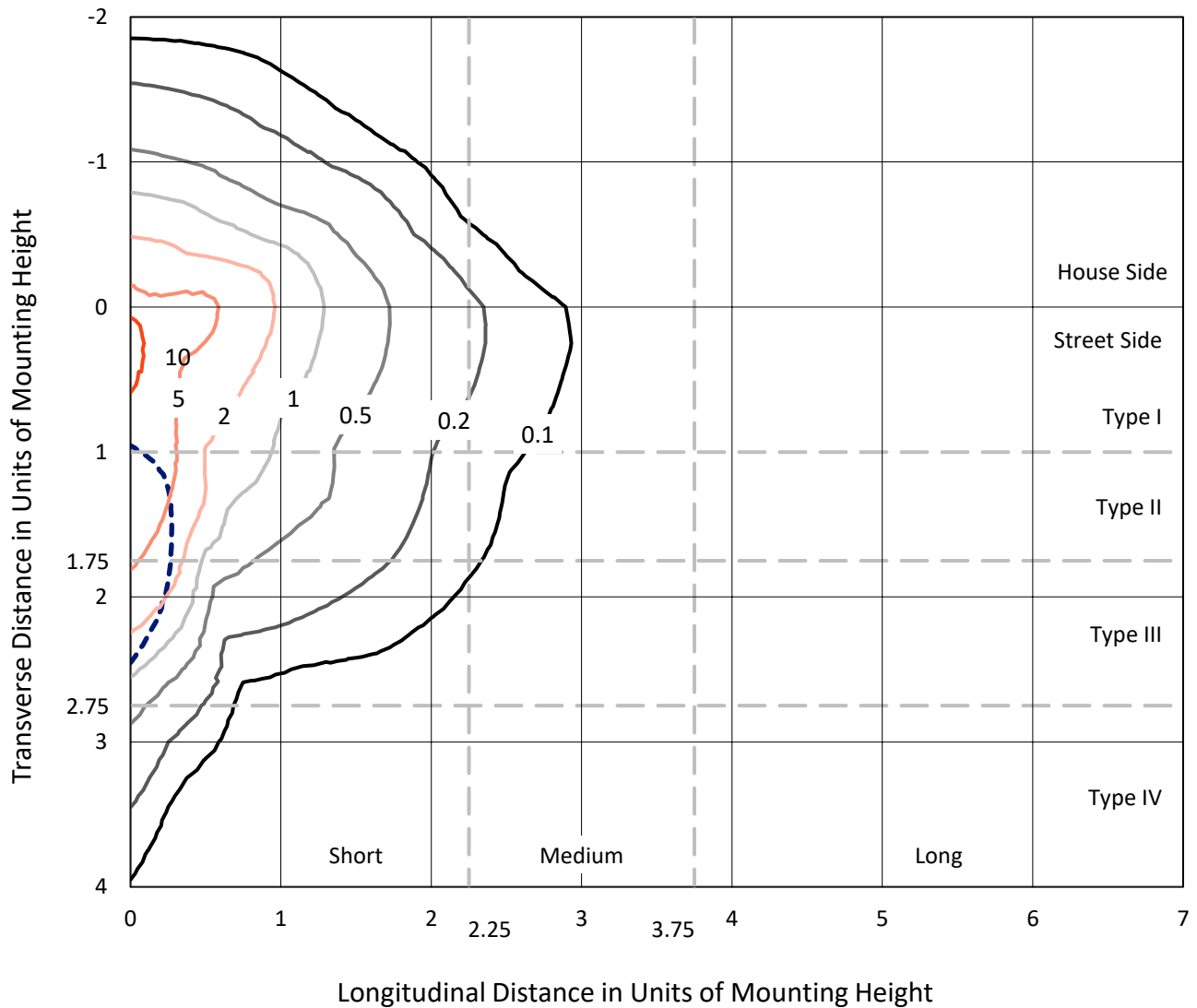
Lumens per Lamp: N/A  
Luminaire Lumens: 38226 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

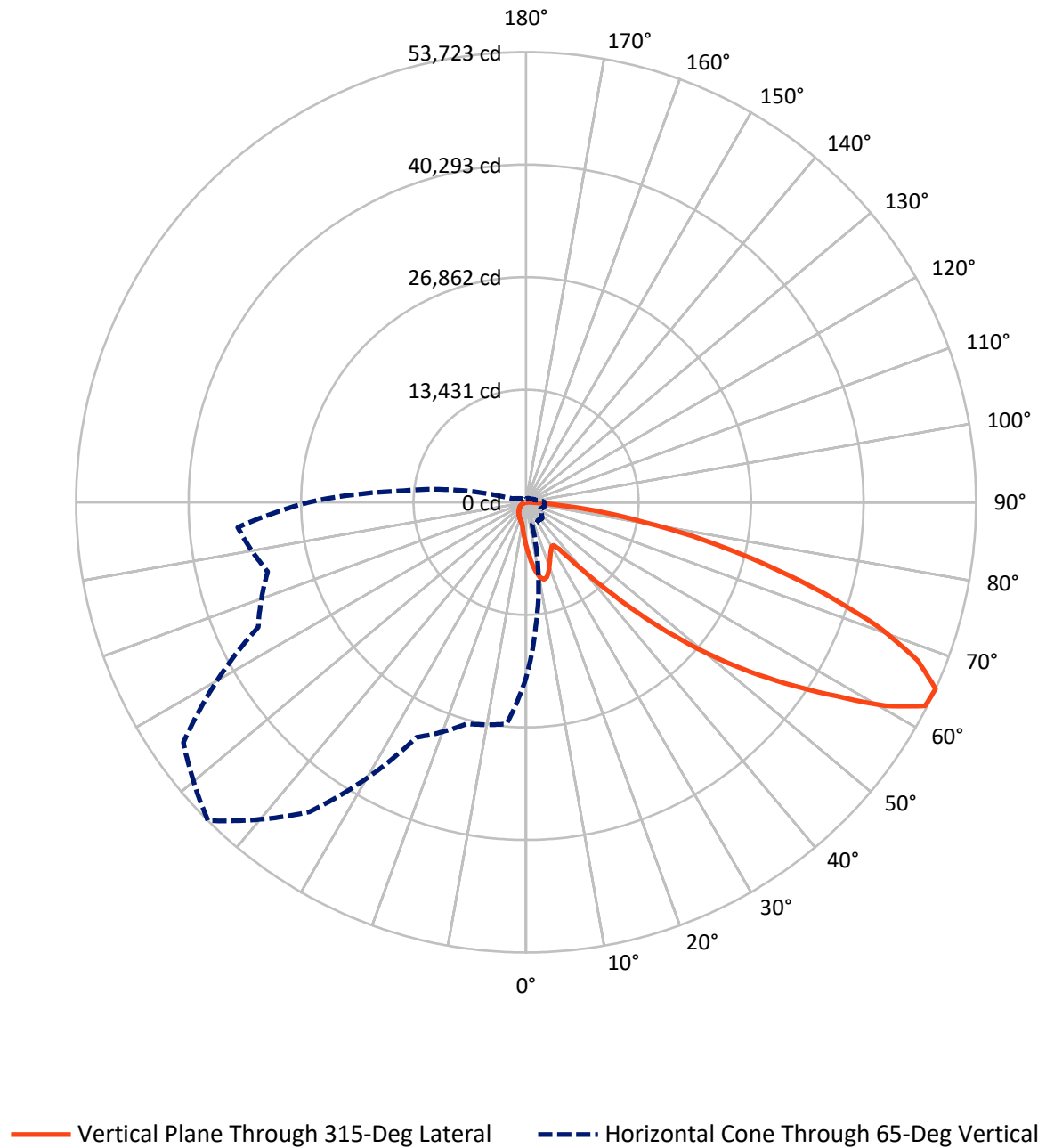
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	5353.3	0.0	5353.3
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	32872.7	0.0	32872.7
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	38226.0	0.0	38226.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	521.1	1.4
10°-20°	1562.2	4.1
20°-30°	2301.4	6.0
30°-40°	2956.7	7.7
40°-50°	4781.8	12.5
50°-60°	8385.3	21.9
60°-70°	10492.4	27.4
70°-80°	6131.3	16.0
80°-90°	1093.9	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°	38226.0	100.0
0°-180°	38226.0	100.0

**Coefficient of Utilization**



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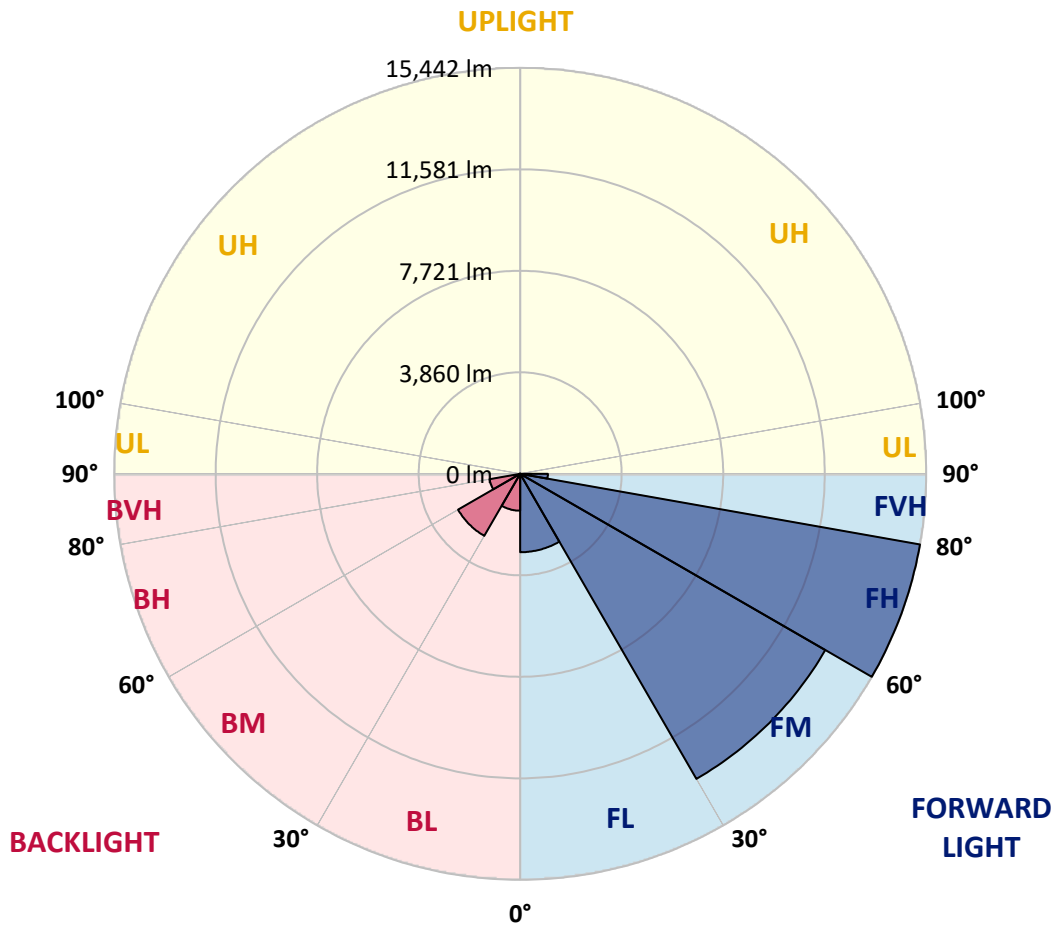
CATALOG NUMBER: GALN-SB8D-927-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2981.5	7.8			
FM (30°-60°)	13397.8	35.0			
FH (60°-80°)	15441.6	40.4			G5
FVH (80°-90°)	1051.9	2.8			G5
BL (0°-30°)	1403.2	3.7	B3/2500		
BM (30°-60°)	2726.0	7.1	B3/5000		
BH (60°-80°)	1182.0	3.1	B3/2500		G3/2500
BVH (80°-90°)	42.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1
2.5°	5980.4	5877.7	5817.1	5667.0	5516.9	5395.8	5232.5	5124.5	4995.5	4871.7
5°	6665.1	6499.2	6299.0	6025.2	5775.0	5519.5	5272.0	5027.1	4769.0	4532.0
7.5°	7244.4	7004.8	6651.9	6288.5	5969.9	5661.7	5372.1	5048.2	4734.8	4363.5
10°	7686.8	7381.3	6917.9	6441.2	6075.2	5764.5	5482.7	5208.8	4892.8	4445.1
12.5°	7955.4	7628.9	7078.5	6520.2	6101.5	5753.9	5535.3	5414.2	5290.4	4845.4
15°	8152.9	7800.0	7191.7	6575.5	6041.0	5614.3	5453.7	5574.8	5717.1	5432.6
17.5°	8358.3	7987.0	7339.2	6599.2	5877.7	5343.1	5274.6	5588.0	5917.2	5904.0
20°	8553.2	8184.5	7468.2	6583.4	5614.3	5013.9	5074.5	5474.8	5856.6	6017.3
22.5°	8777.0	8387.3	7592.0	6522.9	5272.0	4705.8	4895.4	5295.7	5630.1	5819.8
25°	9050.9	8642.7	7765.8	6433.3	4903.3	4450.4	4713.7	5087.7	5358.9	5490.6
27.5°	9345.8	8948.2	7997.6	6385.9	4605.8	4268.7	4508.3	4840.1	5082.4	5174.6
30°	9711.9	9303.7	8271.4	6333.3	4410.9	4163.4	4295.0	4553.1	4790.1	4882.3
32.5°	10112.1	9698.7	8534.8	6206.9	4292.4	4084.4	4087.0	4250.3	4466.2	4576.8
35°	10612.5	10172.7	8816.5	5930.4	4197.6	3992.2	3884.2	3963.2	4142.3	4274.0
37.5°	11326.1	10794.2	9161.5	5535.3	4058.0	3850.0	3670.9	3689.4	3826.3	3971.1
40°	12311.0	11629.0	9567.0	5124.5	3857.9	3649.9	3436.6	3428.7	3528.7	3670.9
42.5°	13643.5	12732.4	10054.2	4732.2	3665.7	3407.6	3189.0	3175.8	3254.8	3378.6
45°	15402.6	14143.8	10652.0	4395.1	3515.6	3170.6	2954.6	2949.4	3015.2	3123.2
47.5°	17654.1	16105.7	11249.8	4166.0	3436.6	2983.6	2762.4	2772.9	2830.9	2928.3
50°	20569.3	18662.7	11431.5	4050.1	3436.6	2883.5	2591.2	2643.9	2691.3	2765.0
52.5°	24063.8	21117.0	10831.1	3944.8	3457.6	2896.7	2446.4	2559.6	2593.9	2657.1
55°	27302.8	22320.5	9311.6	3800.0	3462.9	2978.3	2322.6	2491.2	2554.4	2578.1
57.5°	29183.0	21907.0	7528.8	3555.1	3441.8	3033.6	2243.6	2406.9	2528.0	2543.8
60°	28824.9	20456.0	5543.2	3368.1	3286.4	3012.6	2219.9	2277.9	2470.1	2493.8
62.5°	26065.1	18022.8	3847.4	3223.2	2944.1	2920.4	2212.0	2075.1	2343.7	2401.6
65°	20951.1	14188.6	2717.6	2775.6	2580.7	2720.3	2169.9	1864.4	2191.0	2270.0
67.5°	15199.8	9601.3	1961.9	2248.9	2338.4	2396.4	2075.1	1711.7	2017.2	2122.5
70°	9754.0	5185.1	1377.3	1485.2	1969.8	2035.6	1911.8	1574.8	1840.7	1961.9
72.5°	6933.7	3062.6	990.1	1040.2	1582.7	1695.9	1682.7	1422.0	1635.3	1782.8
75°	4784.8	1688.0	668.9	742.6	1148.2	1377.3	1298.3	1221.9	1385.2	1535.3
77.5°	2999.4	755.8	400.3	516.1	753.1	1082.3	890.1	945.4	1079.7	1219.3
80°	1669.6	292.3	223.8	342.3	410.8	787.4	492.4	608.3	795.3	895.3
82.5°	363.4	36.9	100.1	147.5	160.6	458.2	260.7	352.9	500.3	492.4
85°	0.0	0.0	18.4	21.1	10.5	197.5	94.8	115.9	163.3	152.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
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°
5293.1	0°	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1
4761.1	2.5°	4740.1	4611.0	4516.2	4468.8	4429.3	4466.2	4487.3	4487.3	4576.8	4629.5
4387.2	5°	4295.0	4063.3	3886.9	3768.4	3697.3	3721.0	3747.3	3776.3	3889.5	3965.9
4166.0	7.5°	3986.9	3631.4	3362.8	3196.9	3110.0	3123.2	3141.6	3165.3	3275.9	3352.3
4197.6	10°	3929.0	3418.1	3038.9	2820.3	2715.0	2696.6	2686.0	2678.1	2744.0	2801.9
4555.7	12.5°	4166.0	3428.7	2899.3	2633.4	2504.3	2449.0	2385.8	2335.8	2346.3	2383.2
5098.2	15°	4590.0	3563.0	2854.6	2535.9	2375.3	2283.1	2209.4	2148.8	2135.7	2148.8
5572.2	17.5°	5074.5	3744.7	2849.3	2451.7	2251.5	2156.7	2096.2	2040.9	2022.4	2025.1
5838.2	20°	5395.8	3889.5	2833.5	2356.9	2133.0	2048.8	1996.1	1940.8	1922.4	1927.6
5764.5	22.5°	5427.4	3965.9	2809.8	2251.5	2014.5	1943.4	1890.8	1840.7	1838.1	1838.1
5487.9	25°	5256.2	3965.9	2759.8	2156.7	1901.3	1838.1	1790.7	1730.1	1740.7	1745.9
5174.6	27.5°	4990.2	3871.1	2665.0	2080.4	1803.9	1738.0	1690.6	1635.3	1648.5	1656.4
4882.3	30°	4726.9	3749.9	2551.7	1993.5	1711.7	1635.3	1601.1	1553.7	1559.0	1569.5
4592.6	32.5°	4482.0	3620.9	2417.4	1922.4	1619.5	1543.2	1516.8	1464.2	1472.1	1482.6
4308.2	35°	4239.7	3478.7	2259.4	1838.1	1535.3	1458.9	1437.8	1377.3	1382.5	1398.3
4023.8	37.5°	3979.0	3328.6	2130.4	1753.8	1453.6	1374.6	1353.6	1290.4	1295.6	1314.1
3728.9	40°	3705.2	3181.1	2004.0	1664.3	1366.7	1287.7	1269.3	1200.8	1206.1	1227.2
3439.2	42.5°	3428.7	3020.5	1906.6	1548.4	1277.2	1192.9	1174.5	1111.3	1119.2	1142.9
3186.4	45°	3173.2	2828.2	1843.4	1419.4	1192.9	1098.1	1079.7	1021.7	1037.5	1063.9
2973.1	47.5°	2954.6	2630.7	1817.0	1311.4	1103.4	1000.7	984.9	937.5	963.8	992.8
2791.4	50°	2767.7	2441.1	1782.8	1200.8	1019.1	916.4	900.6	869.0	903.2	932.2
2667.6	52.5°	2633.4	2225.2	1709.1	1100.7	945.4	845.3	840.0	824.2	855.8	882.2
2575.4	55°	2517.5	2001.4	1590.6	1013.8	879.5	784.7	790.0	782.1	808.4	829.5
2520.1	57.5°	2412.2	1806.5	1440.5	945.4	808.4	732.1	747.9	737.3	750.5	763.7
2462.2	60°	2285.8	1609.0	1261.4	869.0	724.2	679.4	697.8	668.9	666.2	671.5
2356.9	62.5°	2098.8	1343.0	1074.4	774.2	650.4	621.5	629.4	574.1	531.9	531.9
2201.5	65°	1838.1	1079.7	900.6	668.9	566.2	542.5	537.2	458.2	400.3	395.0
2033.0	67.5°	1535.3	887.4	747.9	563.5	471.4	455.6	460.8	402.9	345.0	339.7
1864.4	70°	1250.9	734.7	603.0	450.3	363.4	379.2	402.9	345.0	289.7	281.8
1666.9	72.5°	1016.5	584.6	471.4	345.0	268.6	313.4	342.3	281.8	229.1	223.8
1422.0	75°	784.7	429.2	337.1	234.4	194.9	242.3	268.6	205.4	163.3	155.4
1100.7	77.5°	524.0	266.0	189.6	147.5	115.9	165.9	179.1	108.0	94.8	92.2
800.5	80°	318.6	123.8	81.6	71.1	39.5	60.6	71.1	44.8	50.0	52.7
426.6	82.5°	160.6	34.2	13.2	2.6	0.0	0.0	21.1	10.5	21.1	26.3
115.9	85°	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	13.2
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°
5293.1	0°	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1
4650.5	2.5°	4798.0	4908.6	5013.9	5182.5	5356.3	5527.4	5701.3	5869.8	5930.4	5975.1
4015.9	5°	4245.0	4453.0	4695.3	5029.7	5387.9	5756.6	6130.5	6472.8	6628.2	6733.5
3418.1	7.5°	3673.6	3944.8	4292.4	4795.4	5356.3	5943.5	6530.8	7070.6	7320.8	7523.5
2854.6	10°	3107.4	3402.3	3842.1	4416.2	5174.6	6017.3	6828.3	7570.9	7894.8	8150.3
2449.0	12.5°	2609.7	2886.2	3347.0	3981.7	4890.2	5959.3	6999.5	7892.2	8274.1	8561.1
2159.4	15°	2259.4	2454.3	2862.5	3547.2	4553.1	5772.4	7010.0	8045.0	8463.7	8763.9
2038.2	17.5°	2064.6	2130.4	2396.4	3104.7	4179.2	5527.4	6912.6	8097.6	8545.3	8824.4
1930.3	20°	1959.2	1969.8	2043.5	2530.7	3699.9	5298.3	6820.4	8150.3	8621.7	8856.0
1853.9	22.5°	1875.0	1875.0	1893.4	2069.8	3081.0	5024.5	6791.5	8242.5	8727.0	8871.8
1767.0	25°	1798.6	1798.6	1803.9	1851.3	2441.1	4605.8	6773.0	8384.7	8871.8	8911.3
1680.1	27.5°	1719.6	1722.2	1722.2	1748.6	1967.1	4037.0	6694.0	8569.0	9045.6	8964.0
1595.8	30°	1640.6	1645.9	1645.9	1664.3	1740.7	3370.7	6538.7	8790.2	9272.1	9032.5
1511.6	32.5°	1561.6	1566.9	1566.9	1582.7	1638.0	2691.3	6343.8	8993.0	9501.2	9061.4
1429.9	35°	1480.0	1487.9	1482.6	1503.7	1561.6	2140.9	6096.3	9195.7	9748.7	9153.6
1350.9	37.5°	1398.3	1403.6	1401.0	1422.0	1487.9	1848.6	5809.2	9348.5	10085.8	9359.0
1266.7	40°	1316.7	1314.1	1314.1	1337.8	1408.9	1764.4	5448.4	9590.7	10570.4	9719.8
1182.4	42.5°	1232.4	1232.4	1227.2	1253.5	1340.4	1701.2	5103.5	10025.2	11276.1	10293.9
1103.4	45°	1156.1	1153.4	1142.9	1166.6	1274.6	1590.6	4982.3	10836.3	12318.9	11223.4
1024.4	47.5°	1082.3	1079.7	1053.3	1074.4	1195.6	1490.5	5435.3	12163.5	13764.6	12590.2
961.2	50°	1016.5	1019.1	969.1	987.5	1116.5	1414.1	6417.5	13885.8	15684.4	14430.9
908.5	52.5°	955.9	955.9	890.1	900.6	1019.1	1345.7	7352.4	15752.8	18217.7	16998.4
853.2	55°	895.3	890.1	816.3	821.6	921.7	1248.2	7491.9	17575.1	21672.7	20861.6
792.6	57.5°	826.9	816.3	747.9	747.9	832.1	1177.1	6493.9	18976.1	25959.8	26539.1
679.4	60°	742.6	734.7	689.9	676.8	761.0	1240.3	4582.1	19139.3	28724.8	34089.0
539.8	62.5°	634.6	645.2	621.5	603.0	692.6	1287.7	2715.0	17825.3	28055.9	36490.6
418.7	65°	500.3	542.5	537.2	524.0	761.0	1084.9	1603.7	15302.5	26004.5	34552.5
366.0	67.5°	426.6	455.6	447.7	447.7	797.9	824.2	1008.6	11955.5	23181.6	32253.5
305.5	70°	363.4	392.4	363.4	363.4	603.0	500.3	697.8	8347.8	20134.8	29709.7
244.9	72.5°	300.2	329.2	297.6	276.5	481.9	373.9	510.9	5216.7	17243.3	27060.5
173.8	75°	229.1	263.3	239.6	213.3	318.6	279.1	387.1	3031.0	14286.0	23152.6
105.3	77.5°	144.8	189.6	179.1	150.1	234.4	202.8	279.1	1803.9	11023.3	18091.3
63.2	80°	89.5	97.4	100.1	94.8	134.3	136.9	189.6	1027.0	7544.6	12608.6
39.5	82.5°	57.9	57.9	44.8	50.0	65.8	79.0	108.0	387.1	4434.6	7676.3
23.7	85°	42.1	36.9	23.7	23.7	31.6	39.5	42.1	118.5	1798.6	3031.0
10.5	87.5°	21.1	18.4	7.9	10.5	15.8	13.2	10.5	5.3	452.9	969.1
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°
5293.1	0°	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1	5293.1
6075.2	2.5°	6127.9	6209.5	6214.8	6214.8	6143.7	6141.0	5996.2	5980.4
6970.5	5°	7215.4	7268.1	7281.3	7254.9	7112.7	7007.4	6725.6	6665.1
7884.3	7.5°	8210.9	8316.2	8316.2	8253.0	8021.3	7805.3	7397.1	7244.4
8640.1	10°	9006.1	9127.3	9100.9	8971.9	8679.6	8382.0	7886.9	7686.8
9098.3	12.5°	9393.2	9517.0	9448.5	9301.1	9016.7	8703.3	8181.9	7955.4
9230.0	15°	9385.3	9351.1	9280.0	9261.6	9124.6	8887.6	8400.5	8152.9
9148.3	17.5°	9050.9	8761.2	8705.9	8890.3	9064.1	9006.1	8590.1	8358.3
8953.5	20°	8521.6	8016.0	7966.0	8318.8	8813.9	9066.7	8766.5	8553.2
8671.7	22.5°	7963.3	7418.2	7302.3	7692.1	8437.3	9085.1	8990.3	8777.0
8361.0	25°	7434.0	6886.3	6770.4	7133.8	8018.6	9053.5	9232.6	9050.9
8063.4	27.5°	6991.6	6462.3	6354.3	6717.7	7615.7	8964.0	9474.9	9345.8
7768.4	30°	6649.3	6159.5	6080.5	6430.7	7268.1	8853.4	9783.0	9711.9
7494.6	32.5°	6449.1	6091.0	6120.0	6407.0	7081.1	8732.3	10077.9	10112.1
7360.3	35°	6646.6	6662.4	6915.2	7033.7	7254.9	8713.8	10478.2	10612.5
7520.9	37.5°	7628.9	8176.6	8700.7	8603.2	8105.5	8927.1	11076.0	11326.1
8221.4	40°	9301.1	10425.5	11276.1	10904.8	9651.3	9580.2	11937.1	12311.0
9464.3	42.5°	11344.6	13251.1	14652.1	13656.7	11644.8	10723.1	13166.9	13643.5
10968.0	45°	13501.3	16735.1	18941.8	16872.0	13769.9	12324.2	15028.7	15402.6
12376.8	47.5°	15773.9	20969.5	23824.1	20437.6	15739.7	14146.5	17567.2	17654.1
13712.0	50°	18259.8	25612.2	28801.2	24000.6	17641.0	16234.7	20669.3	20569.3
15268.3	52.5°	20627.2	30386.5	33672.9	27579.3	19310.5	18826.0	24269.2	24063.8
17396.1	55°	22886.6	35158.2	38573.6	31018.5	20885.3	22249.4	28545.8	27302.8
20463.9	57.5°	25506.8	39447.9	43624.4	34473.5	23086.8	26694.5	33328.0	29183.0
26339.0	60°	29380.5	44322.3	49336.2	39208.3	27273.8	31366.1	35042.3	28824.9
33375.4	62.5°	34326.0	48804.3	53489.1	43848.3	31479.3	32245.6	32516.9	26065.1
31940.2	65°	35287.2	49939.3	53723.4	45088.6	30936.9	27352.8	26547.0	20951.1
28530.0	67.5°	32738.1	47887.9	50447.5	42779.1	27366.0	21138.1	19921.5	15199.8
26291.6	70°	29878.2	43977.3	44738.4	38852.8	24069.0	15547.4	13453.9	9754.0
24759.0	72.5°	26947.3	38760.6	37185.8	33741.4	21153.9	11320.9	9704.0	6933.7
22575.9	75°	23466.0	31900.7	29291.0	28034.9	17514.6	8885.0	7020.6	4784.8
19418.5	77.5°	18791.7	22454.8	21756.9	21730.6	13161.6	6491.3	4684.8	2999.4
15170.9	80°	13256.4	14573.1	14217.6	16366.4	8829.7	4708.5	2820.3	1669.6
10559.8	82.5°	6417.5	8058.1	8271.4	9746.1	4295.0	2770.3	650.4	363.4
4129.1	85°	2512.2	3886.9	3278.5	3699.9	1206.1	771.6	15.8	0.0
679.4	87.5°	281.8	450.3	413.4	326.5	147.5	31.6	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)