

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: P955866

Luminaire Tested: **GALN-SB8C-940-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955866  
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-SB8C-940-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

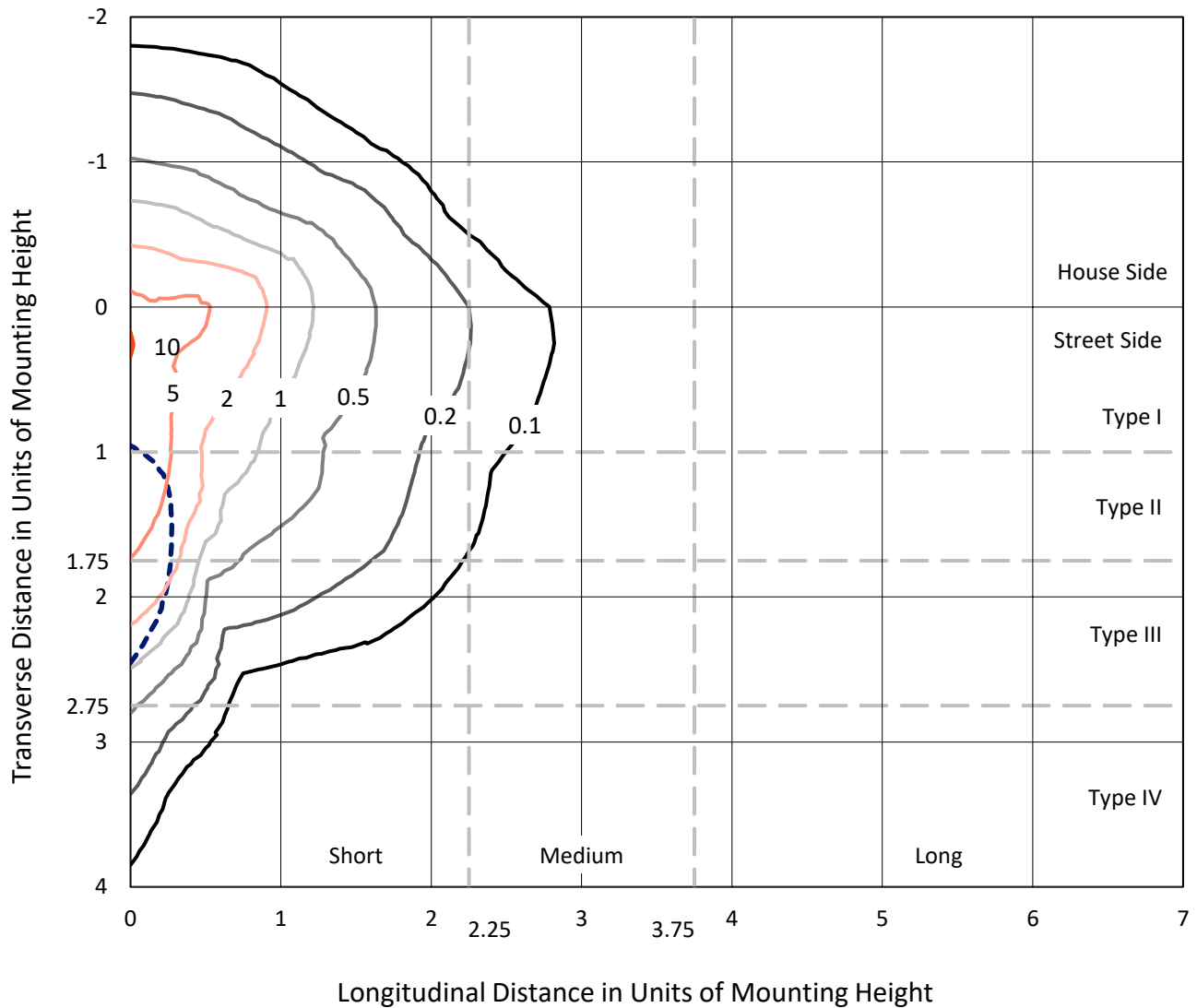
Lumens per Lamp: N/A  
Luminaire Lumens: 33491 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

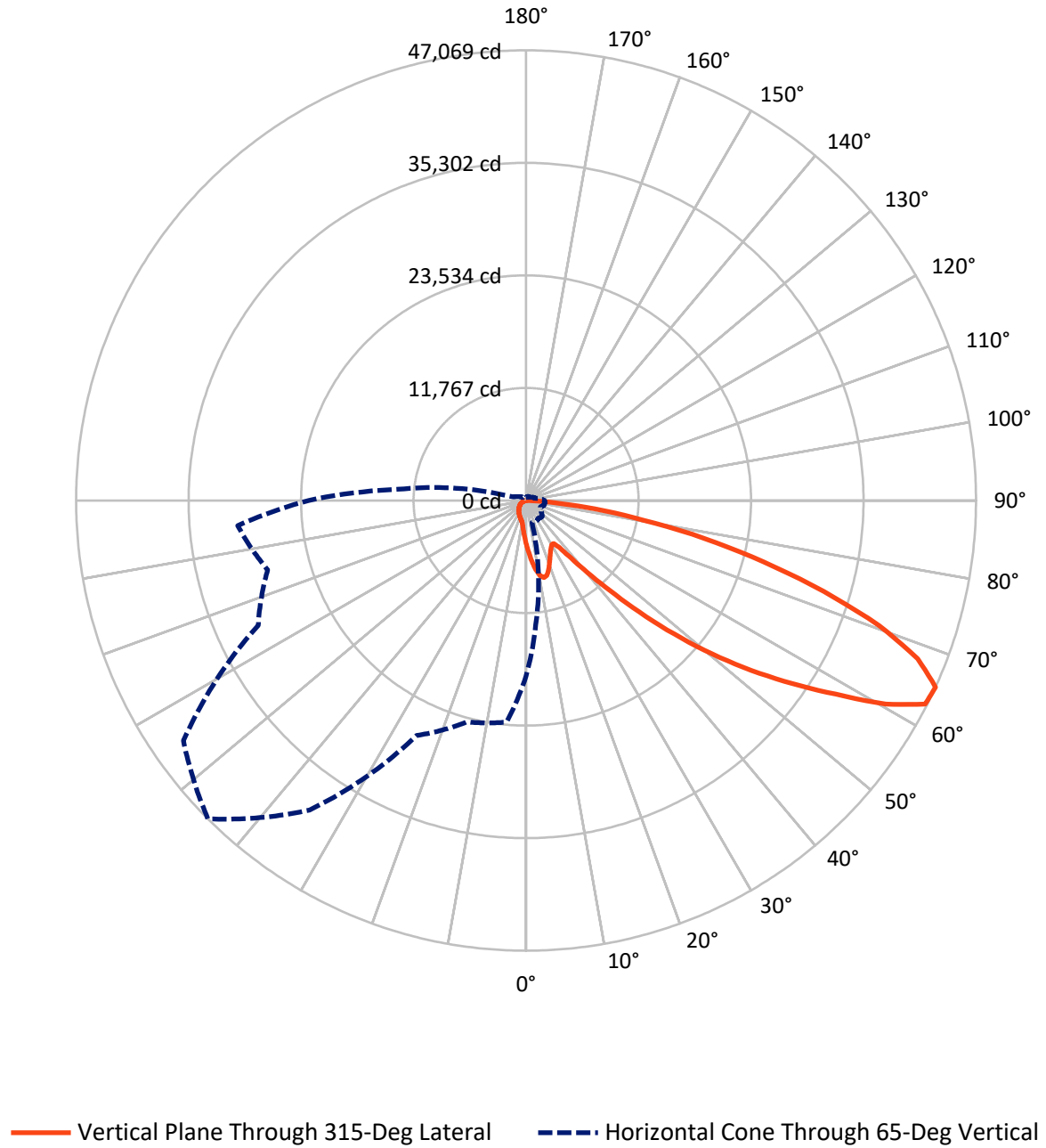
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	4690.2	0.0	4690.2
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	28800.8	0.0	28800.8
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	33491.0	0.0	33491.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.6	1.4
10°-20°	1368.7	4.1
20°-30°	2016.3	6.0
30°-40°	2590.4	7.7
40°-50°	4189.5	12.5
50°-60°	7346.7	21.9
60°-70°	9192.7	27.4
70°-80°	5371.8	16.0
80°-90°	958.4	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°	33491.0	100.0
0°-180°	33491.0	100.0

**Coefficient of Utilization**



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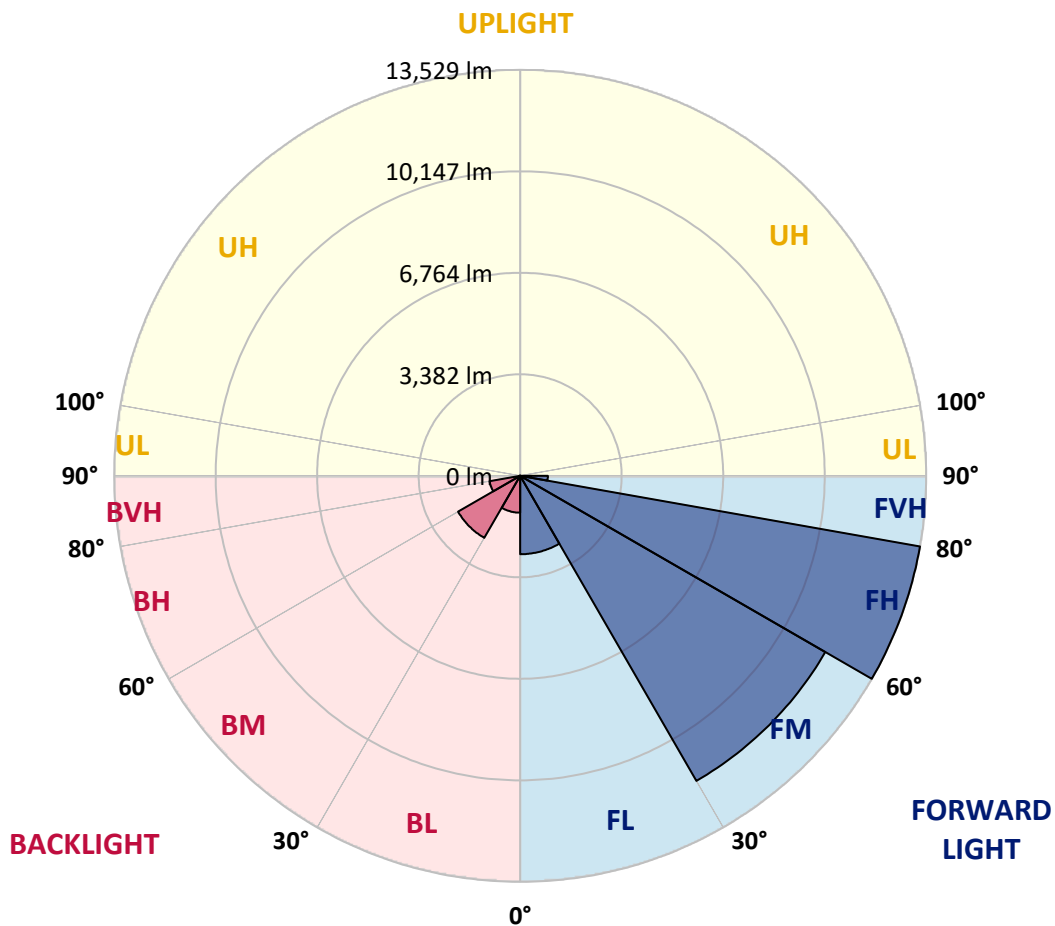
CATALOG NUMBER: GALN-SB8C-940-U-SLR-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2612.2	7.8			
FM (30°-60°)	11738.2	35.0			
FH (60°-80°)	13528.8	40.4			G5
FVH (80°-90°)	921.6	2.8			G5
BL (0°-30°)	1229.4	3.7	B3/2500		
BM (30°-60°)	2388.4	7.1	B2/2500		
BH (60°-80°)	1035.6	3.1	B3/2500		G3/2500
BVH (80°-90°)	36.8	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°	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4
2.5°	5239.6	5149.6	5096.6	4965.1	4833.5	4727.4	4584.4	4489.8	4376.7	4268.3
5°	5839.5	5694.1	5518.8	5278.8	5059.6	4835.8	4619.0	4404.4	4178.3	3970.7
7.5°	6347.1	6137.1	5827.9	5509.5	5230.4	4960.4	4706.6	4422.9	4148.3	3823.0
10°	6734.7	6467.0	6061.0	5643.4	5322.7	5050.4	4803.5	4563.6	4286.7	3894.5
12.5°	6970.0	6683.9	6201.7	5712.6	5345.7	5041.2	4849.7	4743.6	4635.1	4245.2
15°	7143.0	6833.9	6300.9	5761.0	5292.7	4918.9	4778.2	4884.3	5008.9	4759.7
17.5°	7323.0	6997.7	6430.1	5781.8	5149.6	4681.3	4621.3	4895.8	5184.2	5172.7
20°	7493.7	7170.7	6543.2	5768.0	4918.9	4392.9	4445.9	4796.6	5131.2	5271.9
22.5°	7689.8	7348.4	6651.6	5714.9	4619.0	4122.9	4289.0	4639.7	4932.8	5098.9
25°	7929.8	7572.2	6803.9	5636.4	4296.0	3899.1	4129.9	4457.5	4695.1	4810.5
27.5°	8188.2	7839.8	7006.9	5594.9	4035.3	3739.9	3949.9	4240.6	4452.9	4533.6
30°	8508.9	8151.3	7246.9	5548.8	3864.5	3647.7	3763.0	3989.1	4196.8	4277.5
32.5°	8859.6	8497.3	7477.6	5438.0	3760.7	3578.4	3580.7	3723.8	3913.0	4009.9
35°	9297.9	8912.6	7724.4	5195.8	3677.6	3497.7	3403.1	3472.3	3629.2	3744.6
37.5°	9923.2	9457.1	8026.7	4849.7	3555.4	3373.1	3216.2	3232.4	3352.3	3479.2
40°	10786.1	10188.5	8382.0	4489.8	3380.0	3197.8	3010.9	3003.9	3091.6	3216.2
42.5°	11953.5	11155.2	8808.8	4146.0	3211.6	2985.5	2794.0	2782.5	2851.7	2960.1
45°	13494.7	12391.9	9332.5	3850.7	3080.1	2777.8	2588.7	2584.0	2641.7	2736.3
47.5°	15467.3	14110.7	9856.3	3650.0	3010.9	2614.0	2420.2	2429.5	2480.2	2565.6
50°	18021.4	16351.0	10015.5	3548.4	3010.9	2526.4	2270.3	2316.4	2357.9	2422.5
52.5°	21083.0	18501.3	9489.4	3456.2	3029.3	2537.9	2143.4	2242.6	2272.6	2327.9
55°	23920.8	19555.7	8158.2	3329.3	3033.9	2609.4	2034.9	2182.6	2238.0	2258.7
57.5°	25568.2	19193.4	6596.2	3114.7	3015.5	2657.9	1965.7	2108.8	2214.9	2228.7
60°	25254.4	17922.2	4856.6	2950.9	2879.4	2639.4	1945.0	1995.7	2164.1	2184.9
62.5°	22836.5	15790.3	3370.8	2824.0	2579.4	2558.7	1938.0	1818.1	2053.4	2104.1
65°	18355.9	12431.1	2381.0	2431.8	2261.0	2383.3	1901.1	1633.5	1919.6	1988.8
67.5°	13317.0	8412.0	1718.8	1970.3	2048.8	2099.5	1818.1	1499.7	1767.3	1859.6
70°	8545.8	4542.8	1206.7	1301.2	1725.8	1783.5	1675.0	1379.7	1612.7	1718.8
72.5°	6074.8	2683.3	867.5	911.3	1386.6	1485.8	1474.3	1245.9	1432.8	1562.0
75°	4192.1	1478.9	586.0	650.6	1005.9	1206.7	1137.4	1070.5	1213.6	1345.1
77.5°	2627.9	662.2	350.7	452.2	659.9	948.3	779.8	828.3	945.9	1068.2
80°	1462.8	256.1	196.1	299.9	359.9	689.8	431.4	533.0	696.8	784.4
82.5°	318.4	32.3	87.7	129.2	140.7	401.4	228.4	309.2	438.4	431.4
85°	0.0	0.0	16.2	18.5	9.2	173.0	83.1	101.5	143.0	133.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
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°
4637.4	0°	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4
4171.4	2.5°	4152.9	4039.9	3956.8	3915.3	3880.7	3913.0	3931.4	3931.4	4009.9	4056.0
3843.8	5°	3763.0	3560.0	3405.4	3301.6	3239.3	3260.0	3283.1	3308.5	3407.7	3474.6
3650.0	7.5°	3493.1	3181.6	2946.3	2800.9	2724.8	2736.3	2752.5	2773.2	2870.1	2937.0
3677.6	10°	3442.3	2994.7	2662.5	2471.0	2378.7	2362.6	2353.3	2346.4	2404.1	2454.8
3991.4	12.5°	3650.0	3003.9	2540.2	2307.2	2194.1	2145.7	2090.3	2046.5	2055.7	2088.0
4466.7	15°	4021.4	3121.6	2501.0	2221.8	2081.1	2000.3	1935.7	1882.7	1871.1	1882.7
4882.0	17.5°	4445.9	3280.8	2496.4	2148.0	1972.6	1889.6	1836.5	1788.1	1771.9	1774.2
5115.0	20°	4727.4	3407.7	2482.5	2064.9	1868.8	1795.0	1748.8	1700.4	1684.2	1688.9
5050.4	22.5°	4755.1	3474.6	2461.8	1972.6	1765.0	1702.7	1656.6	1612.7	1610.4	1610.4
4808.2	25°	4605.1	3474.6	2417.9	1889.6	1665.8	1610.4	1568.9	1515.8	1525.0	1529.7
4533.6	27.5°	4372.1	3391.6	2334.9	1822.7	1580.4	1522.7	1481.2	1432.8	1444.3	1451.2
4277.5	30°	4141.4	3285.4	2235.7	1746.5	1499.7	1432.8	1402.8	1361.2	1365.9	1375.1
4023.7	32.5°	3926.8	3172.4	2118.0	1684.2	1418.9	1352.0	1328.9	1282.8	1289.7	1298.9
3774.5	35°	3714.6	3047.8	1979.6	1610.4	1345.1	1278.2	1259.7	1206.7	1211.3	1225.1
3525.4	37.5°	3486.1	2916.3	1866.5	1536.6	1273.6	1204.3	1185.9	1130.5	1135.1	1151.3
3267.0	40°	3246.2	2787.1	1755.8	1458.1	1197.4	1128.2	1112.1	1052.1	1056.7	1075.1
3013.2	42.5°	3003.9	2646.3	1670.4	1356.6	1119.0	1045.2	1029.0	973.6	980.6	1001.3
2791.7	45°	2780.2	2477.9	1615.0	1243.6	1045.2	962.1	945.9	895.2	909.0	932.1
2604.8	47.5°	2588.7	2304.9	1592.0	1149.0	966.7	876.7	862.9	821.4	844.4	869.8
2445.6	50°	2424.8	2138.8	1562.0	1052.1	892.9	802.9	789.1	761.4	791.4	816.7
2337.2	52.5°	2307.2	1949.6	1497.4	964.4	828.3	740.6	736.0	722.1	749.8	772.9
2256.4	55°	2205.7	1753.5	1393.5	888.3	770.6	687.5	692.2	685.2	708.3	726.8
2208.0	57.5°	2113.4	1582.7	1262.0	828.3	708.3	641.4	655.2	646.0	657.5	669.1
2157.2	60°	2002.6	1409.7	1105.1	761.4	634.5	595.3	611.4	586.0	583.7	588.3
2064.9	62.5°	1838.8	1176.7	941.3	678.3	569.9	544.5	551.4	503.0	466.1	466.1
1928.8	65°	1610.4	945.9	789.1	586.0	496.0	475.3	470.7	401.4	350.7	346.1
1781.1	67.5°	1345.1	777.5	655.2	493.7	413.0	399.1	403.8	353.0	302.2	297.6
1633.5	70°	1095.9	643.7	528.3	394.5	318.4	332.2	353.0	302.2	253.8	246.9
1460.4	72.5°	890.6	512.2	413.0	302.2	235.3	274.6	299.9	246.9	200.7	196.1
1245.9	75°	687.5	376.1	295.3	205.3	170.7	212.3	235.3	180.0	143.0	136.1
964.4	77.5°	459.1	233.0	166.1	129.2	101.5	145.4	156.9	94.6	83.1	80.8
701.4	80°	279.2	108.4	71.5	62.3	34.6	53.1	62.3	39.2	43.8	46.1
373.8	82.5°	140.7	30.0	11.5	2.3	0.0	0.0	18.5	9.2	18.5	23.1
101.5	85°	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	11.5
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°
4637.4	0°	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4
4074.5	2.5°	4203.7	4300.6	4392.9	4540.5	4692.8	4842.8	4995.0	5142.7	5195.8	5235.0
3518.4	5°	3719.2	3901.4	4113.7	4406.7	4720.5	5043.5	5371.1	5671.0	5807.2	5899.5
2994.7	7.5°	3218.5	3456.2	3760.7	4201.4	4692.8	5207.3	5721.8	6194.8	6414.0	6591.6
2501.0	10°	2722.5	2980.9	3366.2	3869.1	4533.6	5271.9	5982.5	6633.1	6916.9	7140.7
2145.7	12.5°	2286.4	2528.7	2932.4	3488.5	4284.4	5221.1	6132.5	6914.6	7249.2	7500.6
1891.9	15°	1979.6	2150.3	2507.9	3107.8	3989.1	5057.3	6141.7	7048.4	7415.3	7678.3
1785.8	17.5°	1808.8	1866.5	2099.5	2720.2	3661.5	4842.8	6056.3	7094.6	7486.8	7731.4
1691.2	20°	1716.5	1725.8	1790.4	2217.2	3241.6	4642.0	5975.6	7140.7	7553.7	7759.0
1624.3	22.5°	1642.7	1642.7	1658.9	1813.4	2699.4	4402.1	5950.2	7221.5	7646.0	7772.9
1548.1	25°	1575.8	1575.8	1580.4	1621.9	2138.8	4035.3	5934.1	7346.1	7772.9	7807.5
1472.0	27.5°	1506.6	1508.9	1508.9	1532.0	1723.5	3536.9	5864.9	7507.6	7925.2	7853.6
1398.2	30°	1437.4	1442.0	1442.0	1458.1	1525.0	2953.2	5728.7	7701.4	8123.6	7913.6
1324.3	32.5°	1368.2	1372.8	1372.8	1386.6	1435.1	2357.9	5558.0	7879.0	8324.3	7939.0
1252.8	35°	1296.6	1303.6	1298.9	1317.4	1368.2	1875.7	5341.1	8056.7	8541.2	8019.8
1183.6	37.5°	1225.1	1229.7	1227.4	1245.9	1303.6	1619.6	5089.6	8190.5	8836.5	8199.7
1109.8	40°	1153.6	1151.3	1151.3	1172.0	1234.3	1545.8	4773.6	8402.7	9261.0	8515.8
1035.9	42.5°	1079.8	1079.8	1075.1	1098.2	1174.4	1490.4	4471.3	8783.4	9879.3	9018.8
966.7	45°	1012.9	1010.5	1001.3	1022.1	1116.7	1393.5	4365.2	9494.0	10793.0	9833.2
897.5	47.5°	948.3	945.9	922.9	941.3	1047.5	1305.9	4762.0	10656.9	12059.6	11030.6
842.1	50°	890.6	892.9	849.0	865.2	978.2	1239.0	5622.6	12165.8	13741.6	12643.3
796.0	52.5°	837.5	837.5	779.8	789.1	892.9	1179.0	6441.6	13801.6	15961.1	14892.8
747.5	55°	784.4	779.8	715.2	719.8	807.5	1093.6	6563.9	15398.1	18988.1	18277.5
694.5	57.5°	724.5	715.2	655.2	655.2	729.1	1031.3	5689.5	16625.5	22744.2	23251.8
595.3	60°	650.6	643.7	604.5	592.9	666.8	1086.7	4014.5	16768.6	25166.7	29866.4
473.0	62.5°	556.0	565.3	544.5	528.3	606.8	1128.2	2378.7	15617.3	24580.7	31970.6
366.8	65°	438.4	475.3	470.7	459.1	666.8	950.6	1405.1	13407.0	22783.4	30272.5
320.7	67.5°	373.8	399.1	392.2	392.2	699.1	722.1	883.6	10474.6	20310.1	28258.3
267.6	70°	318.4	343.8	318.4	318.4	528.3	438.4	611.4	7313.8	17640.7	26029.6
214.6	72.5°	263.0	288.4	260.7	242.3	422.2	327.6	447.6	4570.5	15107.4	23708.6
152.3	75°	200.7	230.7	210.0	186.9	279.2	244.6	339.2	2655.6	12516.5	20284.7
92.3	77.5°	126.9	166.1	156.9	131.5	205.3	177.7	244.6	1580.4	9657.9	15850.3
55.4	80°	78.4	85.4	87.7	83.1	117.7	120.0	166.1	899.8	6610.1	11046.8
34.6	82.5°	50.8	50.8	39.2	43.8	57.7	69.2	94.6	339.2	3885.3	6725.4
20.8	85°	36.9	32.3	20.8	20.8	27.7	34.6	36.9	103.8	1575.8	2655.6
9.2	87.5°	18.5	16.2	6.9	9.2	13.8	11.5	9.2	4.6	396.8	849.0
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):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
4637.4	0°	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4	4637.4
5322.7	2.5°	5368.8	5440.3	5444.9	5444.9	5382.7	5380.3	5253.4	5239.6
6107.1	5°	6321.7	6367.8	6379.4	6356.3	6231.7	6139.4	5892.5	5839.5
6907.7	7.5°	7193.8	7286.1	7286.1	7230.7	7027.7	6838.5	6480.9	6347.1
7569.9	10°	7890.6	7996.7	7973.6	7860.6	7604.5	7343.8	6910.0	6734.7
7971.3	12.5°	8229.7	8338.1	8278.2	8149.0	7899.8	7625.2	7168.4	6970.0
8086.7	15°	8222.8	8192.8	8130.5	8114.4	7994.4	7786.7	7359.9	7143.0
8015.1	17.5°	7929.8	7676.0	7627.5	7789.0	7941.3	7890.6	7526.0	7323.0
7844.4	20°	7466.0	7023.1	6979.2	7288.4	7722.1	7943.6	7680.6	7493.7
7597.5	22.5°	6976.9	6499.3	6397.8	6739.3	7392.2	7959.8	7876.7	7689.8
7325.3	25°	6513.2	6033.3	5931.8	6250.2	7025.4	7932.1	8089.0	7929.8
7064.6	27.5°	6125.6	5661.8	5567.2	5885.6	6672.4	7853.6	8301.2	8188.2
6806.2	30°	5825.6	5396.5	5327.3	5634.1	6367.8	7756.7	8571.2	8508.9
6566.2	32.5°	5650.3	5336.5	5361.9	5613.4	6204.0	7650.6	8829.6	8859.6
6448.6	35°	5823.3	5837.2	6058.7	6162.5	6356.3	7634.5	9180.3	9297.9
6589.3	37.5°	6683.9	7163.8	7622.9	7537.6	7101.5	7821.3	9704.0	9923.2
7203.0	40°	8149.0	9134.1	9879.3	9554.0	8455.8	8393.5	10458.4	10786.1
8292.0	42.5°	9939.3	11609.7	12837.1	11965.0	10202.4	9394.8	11535.9	11953.5
9609.4	45°	11828.9	14662.1	16595.5	14782.1	12064.2	10797.6	13167.1	13494.7
10843.7	47.5°	13820.0	18372.1	20873.1	17906.0	13790.0	12394.2	15391.2	15467.3
12013.5	50°	15998.0	22439.6	25233.6	21027.6	15455.8	14223.8	18109.1	18021.4
13377.0	52.5°	18072.1	26622.6	29501.9	24163.1	16918.6	16494.0	21263.0	21083.0
15241.2	55°	20051.7	30803.2	33795.6	27176.3	18298.2	19493.4	25009.8	23920.8
17929.1	57.5°	22347.3	34561.6	38220.7	30203.3	20227.0	23387.9	29199.7	25568.2
23076.4	60°	25741.2	38832.1	43225.0	34351.6	23895.5	27480.8	30701.6	25254.4
29241.2	62.5°	30074.1	42759.0	46863.4	38416.9	27580.0	28251.4	28489.1	22836.5
27983.8	65°	30916.2	43753.4	47068.8	39503.5	27104.8	23964.7	23258.7	18355.9
24996.0	67.5°	28682.9	41956.1	44198.6	37480.1	23976.2	18519.7	17453.8	13317.0
23034.9	70°	26177.3	38529.9	39196.7	34040.1	21087.6	13621.6	11787.4	8545.8
21692.1	72.5°	23609.4	33959.4	32579.7	29561.9	18533.6	9918.6	8502.0	6074.8
19779.5	75°	20559.3	27949.2	25662.8	24562.2	15345.1	7784.4	6150.9	4192.1
17013.1	77.5°	16464.0	19673.3	19061.9	19038.8	11531.3	5687.2	4104.5	2627.9
13291.7	80°	11614.3	12767.9	12456.5	14339.1	7736.0	4125.2	2471.0	1462.8
9251.8	82.5°	5622.6	7060.0	7246.9	8538.9	3763.0	2427.2	569.9	318.4
3617.7	85°	2201.0	3405.4	2872.4	3241.6	1056.7	676.0	13.8	0.0
595.3	87.5°	246.9	394.5	362.2	286.1	129.2	27.7	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)