

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: P957229

Luminaire Tested: **GALN-SB9C-927-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957229  
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-SB9C-927-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

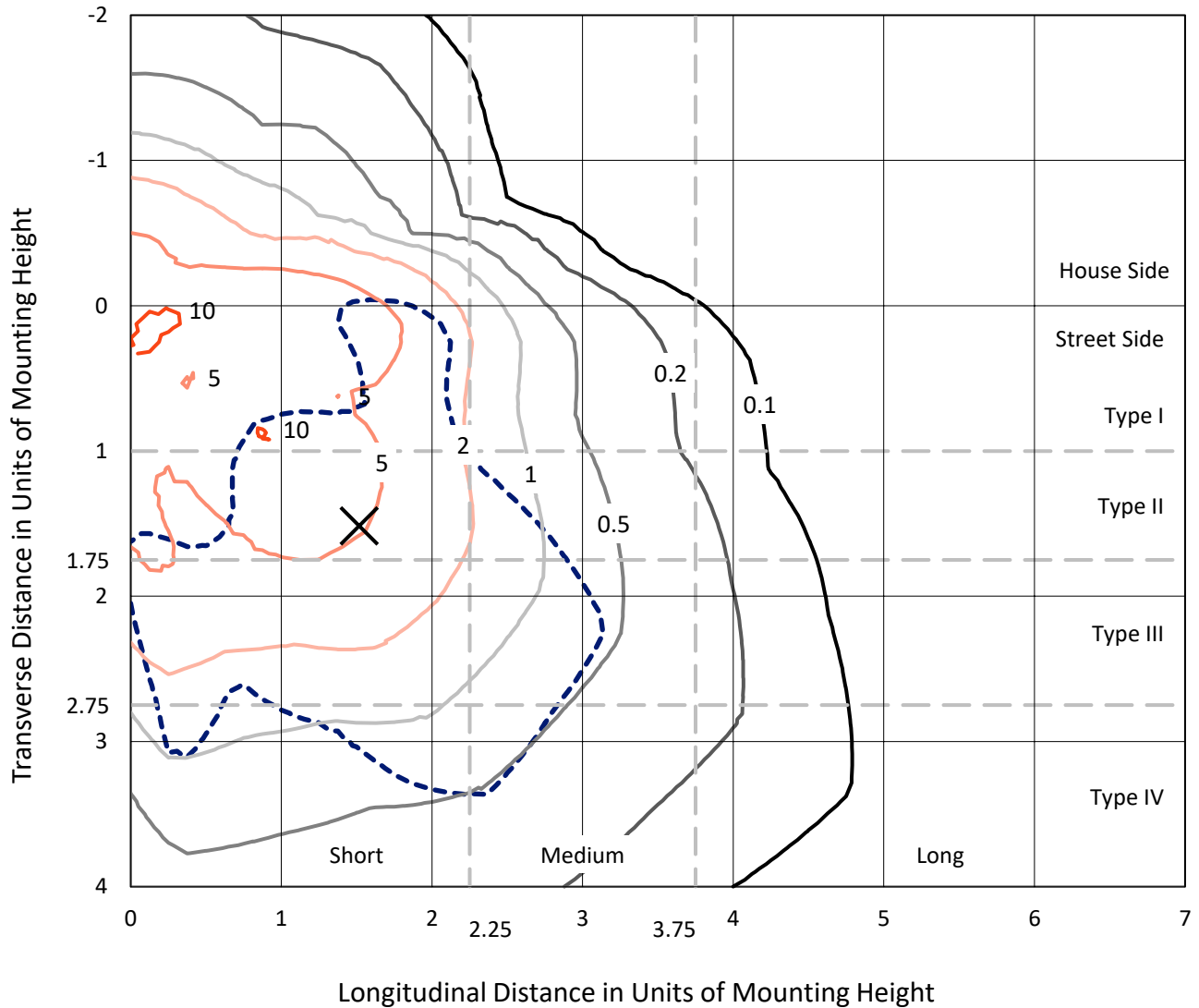
Lumens per Lamp: N/A  
Luminaire Lumens: 31689 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

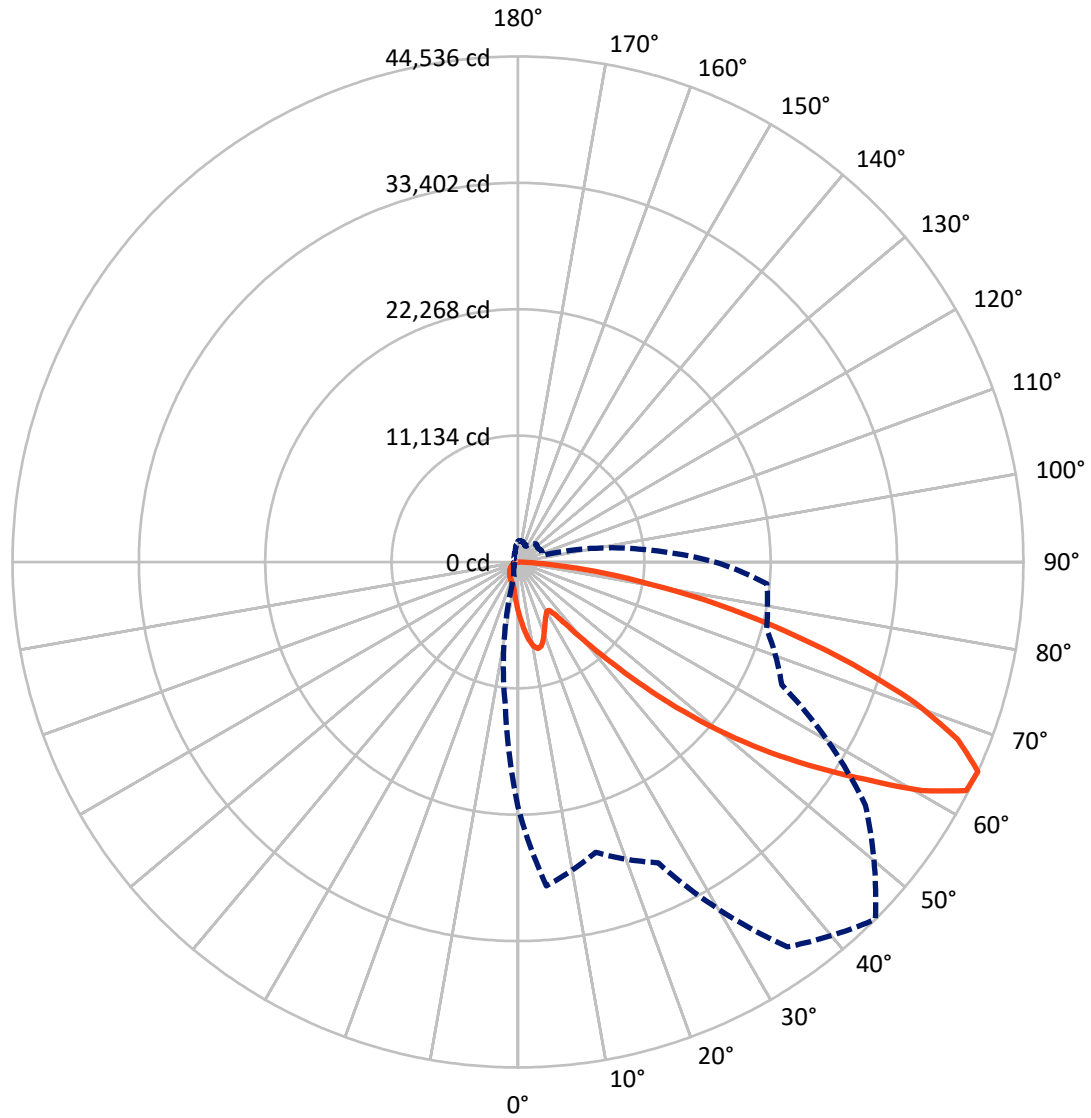
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6298.8	0.0	6298.8
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	25390.2	0.0	25390.2
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	31689.0	0.0	31689.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.0	1.4
10°-20°	1295.0	4.1
20°-30°	1907.8	6.0
30°-40°	2451.0	7.7
40°-50°	3964.1	12.5
50°-60°	6951.4	21.9
60°-70°	8698.1	27.4
70°-80°	5082.7	16.0
80°-90°	906.8	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°	31689.0	100.0
0°-180°	31689.0	100.0

**Coefficient of Utilization**



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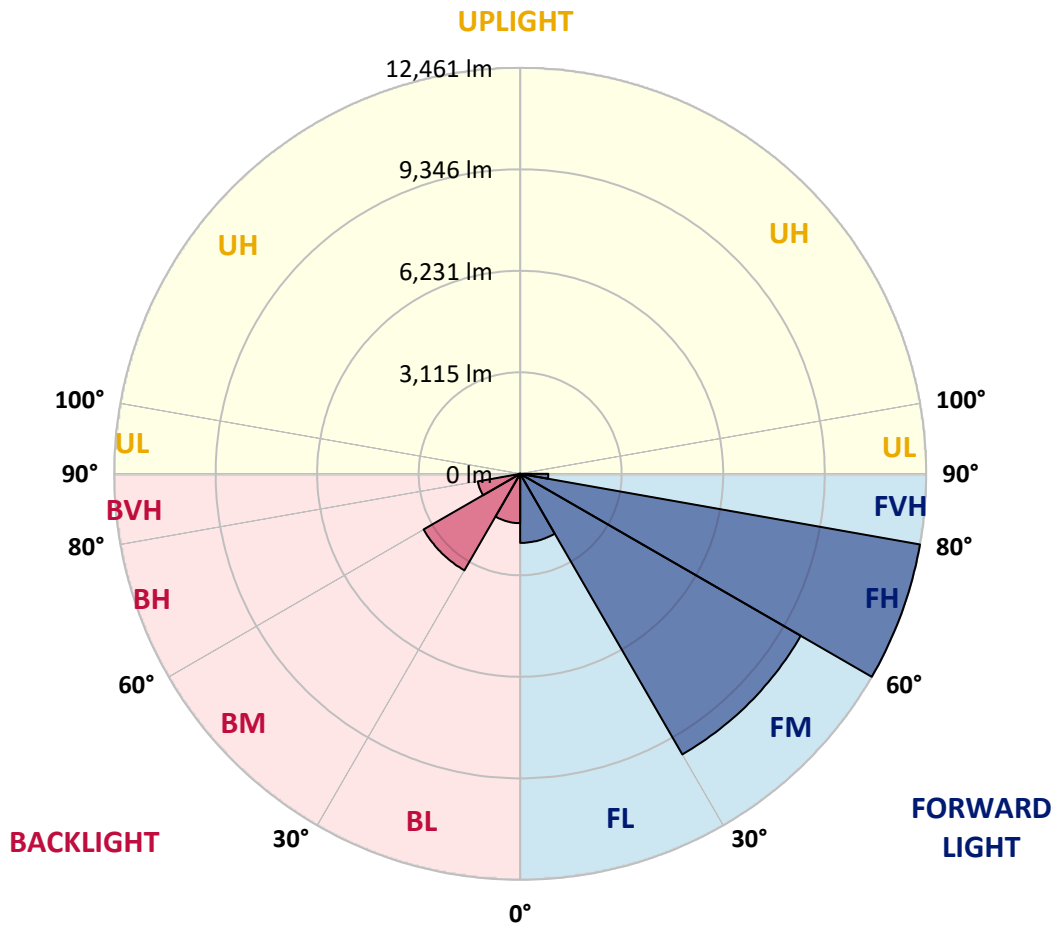
CATALOG NUMBER: GALN-SB9C-927-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2120.4	6.7			
FM (30°-60°)	9944.4	31.4			
FH (60°-80°)	12461.1	39.3			G5
FVH (80°-90°)	864.3	2.7			G5
BL (0°-30°)	1514.5	4.8	B3/2500		
BM (30°-60°)	3422.1	10.8	B3/5000		
BH (60°-80°)	1319.7	4.2	B3/2500		G3/2500
BVH (80°-90°)	42.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
2.5°	4916.2	4953.3	5036.3	5079.9	5147.6	5152.0	5152.0	5093.0	5090.9	4970.8
5°	5494.7	5582.0	5778.5	5981.5	6025.2	6036.1	6014.3	5896.4	5809.1	5575.5
7.5°	6068.9	6236.9	6536.0	6806.7	6894.0	6894.0	6841.7	6649.5	6470.5	6132.2
10°	6544.8	6756.5	7162.6	7466.0	7566.4	7544.6	7437.6	7195.3	6948.6	6538.2
12.5°	6859.1	7097.1	7542.4	7786.9	7889.5	7832.8	7710.5	7474.7	7215.0	6782.7
15°	7016.3	7265.2	7651.6	7780.4	7752.0	7693.0	7677.8	7564.2	7367.8	6963.9
17.5°	7084.0	7315.4	7583.9	7503.1	7263.0	7217.1	7369.9	7514.0	7466.0	7121.1
20°	7147.3	7341.6	7422.3	7064.3	6645.2	6603.7	6896.2	7306.6	7516.2	7267.3
22.5°	7234.6	7354.7	7188.8	6601.5	6149.6	6053.6	6376.7	6994.5	7531.5	7452.9
25°	7354.7	7387.4	6931.2	6162.7	5708.7	5612.6	5913.9	6647.4	7505.3	7653.7
27.5°	7498.7	7431.1	6684.5	5796.0	5357.2	5267.7	5568.9	6313.4	7431.1	7854.6
30°	7686.5	7487.8	6440.0	5512.2	5106.1	5040.6	5331.0	6025.2	7339.4	8110.0
32.5°	7876.4	7511.8	6212.9	5346.3	5049.4	5073.4	5311.3	5870.2	7239.0	8354.5
35°	8081.6	7588.3	6101.6	5510.0	5523.1	5732.7	5830.9	6014.3	7223.7	8686.3
37.5°	8361.0	7758.5	6234.8	6324.3	6778.3	7212.8	7132.0	6719.4	7400.5	9181.9
40°	8762.7	8057.6	6815.5	7710.5	8642.7	9347.8	9040.0	8000.8	7941.9	9895.7
42.5°	9347.8	8533.5	7845.8	9404.5	10985.1	12146.4	11321.3	9653.4	8889.3	10915.2
45°	10212.3	9304.1	9092.4	11192.5	13873.2	15702.6	13986.7	11415.1	10216.6	12458.6
47.5°	11410.8	10437.1	10260.3	13076.4	17383.6	19750.0	16942.6	13048.0	11727.3	14563.1
50°	13002.2	11963.1	11367.1	15137.2	21232.3	23875.9	19896.2	14624.2	13458.4	17134.7
52.5°	15102.3	14091.5	12657.3	17099.8	25190.1	27914.5	22863.0	16008.2	15606.6	20118.9
55°	17966.4	17294.1	14421.2	18972.8	29145.8	31977.2	25714.0	17313.7	18444.5	23664.2
57.5°	21520.4	22000.7	16964.4	21144.9	32702.0	36164.3	28578.2	19138.7	22129.5	27628.6
60°	23812.6	28259.5	21834.8	24356.2	36742.8	40899.3	32503.3	22609.8	26002.2	29049.7
62.5°	23258.1	30250.4	27667.9	28455.9	40458.3	44341.9	36349.8	26096.1	26731.3	26956.2
65°	21557.5	28643.7	26478.1	29252.8	41399.2	44536.2	37378.0	25646.4	22675.2	22007.2
67.5°	19217.3	26737.9	23651.1	27139.6	39698.6	41820.5	35463.5	22686.2	17523.3	16514.7
70°	16691.5	24629.1	21795.5	24768.8	36456.8	37087.7	32208.6	19953.0	12888.7	11153.2
72.5°	14294.6	22432.9	20525.0	22339.1	32132.2	30826.7	27971.3	17536.4	9384.9	8044.5
75°	11843.0	19193.3	18715.2	19453.1	26445.4	24282.0	23240.7	14519.4	7365.6	5820.0
77.5°	9138.2	14997.5	16097.7	15578.2	18614.8	18036.3	18014.5	10910.8	5381.2	3883.6
80°	6254.4	10452.4	12576.5	10989.4	12080.9	11786.2	13567.6	7319.7	3903.3	2338.0
82.5°	3676.2	6363.6	8754.0	5320.1	6680.1	6856.9	8079.4	3560.5	2296.6	539.2
85°	1491.0	2512.7	3423.0	2082.6	3222.2	2717.9	3067.2	999.8	639.6	13.1
87.5°	375.5	803.4	563.2	233.6	373.3	342.7	270.7	122.3	26.2	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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4387.9	0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
4957.7	2.5°	4872.5	4822.3	4697.9	4573.5	4473.1	4337.7	4248.2	4141.2	4038.6	3946.9
5525.3	5°	5387.7	5221.8	4994.8	4787.4	4575.7	4370.4	4167.4	3953.5	3757.0	3636.9
6005.5	7.5°	5806.9	5514.4	5213.1	4949.0	4693.5	4453.4	4184.9	3925.1	3617.3	3453.6
6372.3	10°	6119.1	5734.8	5339.7	5036.3	4778.7	4545.1	4318.1	4056.1	3685.0	3479.8
6595.0	12.5°	6324.3	5868.0	5405.2	5058.1	4769.9	4588.8	4488.3	4385.7	4016.8	3776.7
6758.7	15°	6466.2	5961.9	5451.1	5007.9	4654.2	4521.1	4621.5	4739.4	4503.6	4226.4
6929.0	17.5°	6621.2	6084.1	5470.7	4872.5	4429.4	4372.6	4632.4	4905.3	4894.4	4619.3
7090.5	20°	6784.9	6191.1	5457.6	4654.2	4156.5	4206.7	4538.5	4855.1	4988.2	4839.8
7276.1	22.5°	6953.0	6293.7	5407.4	4370.4	3901.1	4058.3	4390.1	4667.3	4824.5	4778.7
7503.1	25°	7164.7	6437.8	5333.2	4064.8	3689.3	3907.6	4217.6	4442.5	4551.6	4549.5
7747.6	27.5°	7418.0	6629.9	5293.9	3818.1	3538.7	3737.4	4012.4	4213.3	4289.7	4289.7
8051.1	30°	7712.7	6856.9	5250.2	3656.6	3451.4	3560.5	3774.5	3971.0	4047.4	4047.4
8382.9	32.5°	8040.1	7075.2	5145.4	3558.4	3385.9	3388.1	3523.4	3702.4	3794.1	3807.2
8797.7	35°	8433.1	7308.8	4916.2	3479.8	3309.5	3220.0	3285.5	3433.9	3543.1	3571.5
9389.3	37.5°	8948.3	7594.8	4588.8	3364.1	3191.6	3043.2	3058.4	3172.0	3292.0	3335.7
10205.7	40°	9640.3	7931.0	4248.2	3198.2	3025.7	2848.9	2842.3	2925.3	3043.2	3091.2
11310.3	42.5°	10555.0	8334.9	3922.9	3038.8	2824.9	2643.7	2632.7	2698.2	2800.8	2851.1
12768.6	45°	11725.1	8830.4	3643.5	2914.4	2628.4	2449.4	2445.0	2499.6	2589.1	2641.5
14635.1	47.5°	13351.5	9326.0	3453.6	2848.9	2473.4	2290.0	2298.7	2346.8	2427.5	2464.7
17051.7	50°	15471.2	9476.6	3357.5	2848.9	2390.4	2148.1	2191.8	2231.1	2292.2	2314.0
19948.6	52.5°	17505.8	8978.8	3270.2	2866.3	2401.3	2028.0	2121.9	2150.3	2202.7	2211.4
22633.8	55°	18503.5	7719.2	3150.1	2870.7	2469.0	1925.4	2065.2	2117.5	2137.2	2135.0
24192.5	57.5°	18160.7	6241.3	2947.1	2853.2	2514.9	1860.0	1995.3	2095.7	2108.8	2089.2
23895.6	60°	16957.9	4595.3	2792.1	2724.4	2497.4	1840.3	1888.3	2047.7	2067.3	2041.1
21607.7	62.5°	14940.7	3189.4	2672.0	2440.6	2421.0	1833.8	1720.2	1942.9	1990.9	1953.8
17368.3	65°	11762.2	2252.9	2300.9	2139.4	2255.1	1798.8	1545.6	1816.3	1881.8	1825.0
12600.5	67.5°	7959.4	1626.4	1864.3	1938.5	1986.6	1720.2	1419.0	1672.2	1759.5	1685.3
8086.0	70°	4298.4	1141.7	1231.2	1632.9	1687.5	1584.9	1305.5	1525.9	1626.4	1545.6
5747.9	72.5°	2538.9	820.8	862.3	1312.0	1405.9	1395.0	1178.8	1355.7	1477.9	1381.9
3966.6	75°	1399.3	554.5	615.6	951.8	1141.7	1076.2	1012.9	1148.3	1272.7	1178.8
2486.5	77.5°	626.5	331.8	427.9	624.3	897.2	737.9	783.7	895.0	1010.7	912.5
1384.0	80°	242.3	185.6	283.8	340.6	652.7	408.2	504.3	659.3	742.2	663.6
301.3	82.5°	30.6	83.0	122.3	133.2	379.8	216.1	292.5	414.8	408.2	353.7
0.0	85°	0.0	15.3	17.5	8.7	163.7	78.6	96.1	135.3	126.6	96.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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°
4387.9	0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
3929.5	2.5°	3822.5	3743.9	3704.6	3671.9	3702.4	3719.9	3719.9	3794.1	3837.8	3855.3
3560.5	5°	3368.4	3222.2	3123.9	3065.0	3084.6	3106.5	3130.5	3224.4	3287.7	3329.1
3305.1	7.5°	3010.4	2787.7	2650.2	2578.2	2589.1	2604.4	2624.0	2715.7	2779.0	2833.6
3257.1	10°	2833.6	2519.2	2338.0	2250.7	2235.4	2226.7	2220.2	2274.7	2322.8	2366.4
3453.6	12.5°	2842.3	2403.5	2183.0	2076.1	2030.2	1977.8	1936.4	1945.1	1975.7	2030.2
3805.0	15°	2953.7	2366.4	2102.3	1969.1	1892.7	1831.6	1781.4	1770.4	1781.4	1790.1
4206.7	17.5°	3104.3	2362.1	2032.4	1866.5	1787.9	1737.7	1691.9	1676.6	1678.8	1689.7
4473.1	20°	3224.4	2349.0	1953.8	1768.3	1698.4	1654.7	1608.9	1593.6	1598.0	1600.2
4499.2	22.5°	3287.7	2329.3	1866.5	1670.0	1611.1	1567.4	1525.9	1523.8	1523.8	1536.9
4357.3	25°	3287.7	2287.8	1787.9	1576.2	1523.8	1484.5	1434.3	1443.0	1447.4	1464.8
4136.9	27.5°	3209.1	2209.2	1724.6	1495.4	1440.8	1401.5	1355.7	1366.6	1373.1	1392.8
3918.6	30°	3108.7	2115.4	1652.6	1419.0	1355.7	1327.3	1288.0	1292.4	1301.1	1322.9
3715.5	32.5°	3001.7	2004.0	1593.6	1342.6	1279.3	1257.4	1213.8	1220.3	1229.1	1253.1
3514.7	35°	2883.8	1873.0	1523.8	1272.7	1209.4	1191.9	1141.7	1146.1	1159.2	1185.4
3298.6	37.5°	2759.4	1766.1	1453.9	1205.0	1139.5	1122.1	1069.7	1074.1	1089.3	1119.9
3071.5	40°	2637.1	1661.3	1379.7	1133.0	1067.5	1052.2	995.5	999.8	1017.3	1050.0
2842.3	42.5°	2503.9	1580.5	1283.6	1058.8	988.9	973.6	921.2	927.8	947.4	980.2
2630.6	45°	2344.6	1528.1	1176.7	988.9	910.3	895.0	847.0	860.1	881.9	914.7
2449.4	47.5°	2180.9	1506.3	1087.2	914.7	829.6	816.5	777.2	799.0	823.0	849.2
2294.4	50°	2023.7	1477.9	995.5	844.8	759.7	746.6	720.4	748.8	772.8	796.8
2183.0	52.5°	1844.7	1416.8	912.5	783.7	700.8	696.4	683.3	709.5	731.3	753.1
2087.0	55°	1659.1	1318.6	840.5	729.1	650.5	654.9	648.4	670.2	687.7	707.3
1999.7	57.5°	1497.6	1194.1	783.7	670.2	606.9	620.0	611.3	622.2	633.1	657.1
1894.9	60°	1333.8	1045.7	720.4	600.3	563.2	578.5	554.5	552.3	556.7	563.2
1739.9	62.5°	1113.4	890.7	641.8	539.2	515.2	521.7	475.9	441.0	441.0	447.5
1523.8	65°	895.0	746.6	554.5	469.4	449.7	445.3	379.8	331.8	327.5	347.1
1272.7	67.5°	735.7	620.0	467.2	390.8	377.7	382.0	334.0	286.0	281.6	303.4
1036.9	70°	609.1	499.9	373.3	301.3	314.4	334.0	286.0	240.1	233.6	253.2
842.7	72.5°	484.6	390.8	286.0	222.7	259.8	283.8	233.6	189.9	185.6	203.0
650.5	75°	355.8	279.4	194.3	161.5	200.8	222.7	170.3	135.3	128.8	144.1
434.4	77.5°	220.5	157.2	122.3	96.1	137.5	148.4	89.5	78.6	76.4	87.3
264.1	80°	102.6	67.7	58.9	32.7	50.2	58.9	37.1	41.5	43.7	52.4
133.2	82.5°	28.4	10.9	2.2	0.0	0.0	17.5	8.7	17.5	21.8	32.7
10.9	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	10.9	19.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7
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°
4387.9	0°	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9	4387.9
3977.5	2.5°	4069.2	4156.5	4296.2	4440.3	4582.2	4726.3	4866.0	4916.2
3519.1	5°	3691.5	3892.4	4169.6	4466.5	4772.1	5082.1	5365.9	5494.7
3045.3	7.5°	3270.2	3558.4	3975.3	4440.3	4927.1	5413.9	5861.5	6068.9
2576.0	10°	2820.5	3185.1	3661.0	4289.7	4988.2	5660.6	6276.2	6544.8
2163.4	12.5°	2392.6	2774.6	3300.8	4053.9	4940.2	5802.5	6542.6	6859.1
1873.0	15°	2034.6	2373.0	2940.6	3774.5	4785.2	5811.3	6669.2	7016.3
1711.5	17.5°	1766.1	1986.6	2573.8	3464.5	4582.2	5730.5	6712.9	7084.0
1624.2	20°	1632.9	1694.0	2097.9	3067.2	4392.3	5654.1	6756.5	7147.3
1554.3	22.5°	1554.3	1569.6	1715.9	2554.2	4165.2	5630.1	6832.9	7234.6
1491.0	25°	1491.0	1495.4	1534.7	2023.7	3818.1	5614.8	6950.8	7354.7
1425.5	27.5°	1427.7	1427.7	1449.5	1630.7	3346.6	5549.3	7103.6	7498.7
1360.0	30°	1364.4	1364.4	1379.7	1443.0	2794.3	5420.5	7287.0	7686.5
1294.5	32.5°	1298.9	1298.9	1312.0	1357.9	2231.1	5258.9	7455.1	7876.4
1226.9	35°	1233.4	1229.1	1246.5	1294.5	1774.8	5053.7	7623.2	8081.6
1159.2	37.5°	1163.6	1161.4	1178.8	1233.4	1532.5	4815.8	7749.8	8361.0
1091.5	40°	1089.3	1089.3	1109.0	1167.9	1462.6	4516.7	7950.6	8762.7
1021.7	42.5°	1021.7	1017.3	1039.1	1111.2	1410.2	4230.7	8310.8	9347.8
958.4	45°	956.2	947.4	967.1	1056.6	1318.6	4130.3	8983.2	10212.3
897.2	47.5°	895.0	873.2	890.7	991.1	1235.6	4505.8	10083.5	11410.8
842.7	50°	844.8	803.4	818.6	925.6	1172.3	5320.1	11511.2	13002.2
792.4	52.5°	792.4	737.9	746.6	844.8	1115.5	6095.1	13059.0	15102.3
742.2	55°	737.9	676.7	681.1	764.1	1034.8	6210.8	14569.6	17966.4
685.5	57.5°	676.7	620.0	620.0	689.8	975.8	5383.4	15731.0	21520.4
615.6	60°	609.1	572.0	561.0	630.9	1028.2	3798.5	15866.3	23812.6
526.1	62.5°	534.8	515.2	499.9	574.1	1067.5	2250.7	14777.0	23258.1
414.8	65°	449.7	445.3	434.4	630.9	899.4	1329.5	12685.7	21557.5
353.7	67.5°	377.7	371.1	371.1	661.5	683.3	836.1	9911.0	19217.3
301.3	70°	325.3	301.3	301.3	499.9	414.8	578.5	6920.2	16691.5
248.9	72.5°	272.9	246.7	229.2	399.5	310.0	423.5	4324.6	14294.6
189.9	75°	218.3	198.7	176.8	264.1	231.4	320.9	2512.7	11843.0
120.1	77.5°	157.2	148.4	124.4	194.3	168.1	231.4	1495.4	9138.2
74.2	80°	80.8	83.0	78.6	111.3	113.5	157.2	851.4	6254.4
48.0	82.5°	48.0	37.1	41.5	54.6	65.5	89.5	320.9	3676.2
34.9	85°	30.6	19.6	19.6	26.2	32.7	34.9	98.2	1491.0
17.5	87.5°	15.3	6.5	8.7	13.1	10.9	8.7	4.4	375.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)