

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: P952798

Luminaire Tested: **GALN-SB6C-750-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952798  
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-SB6C-750-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

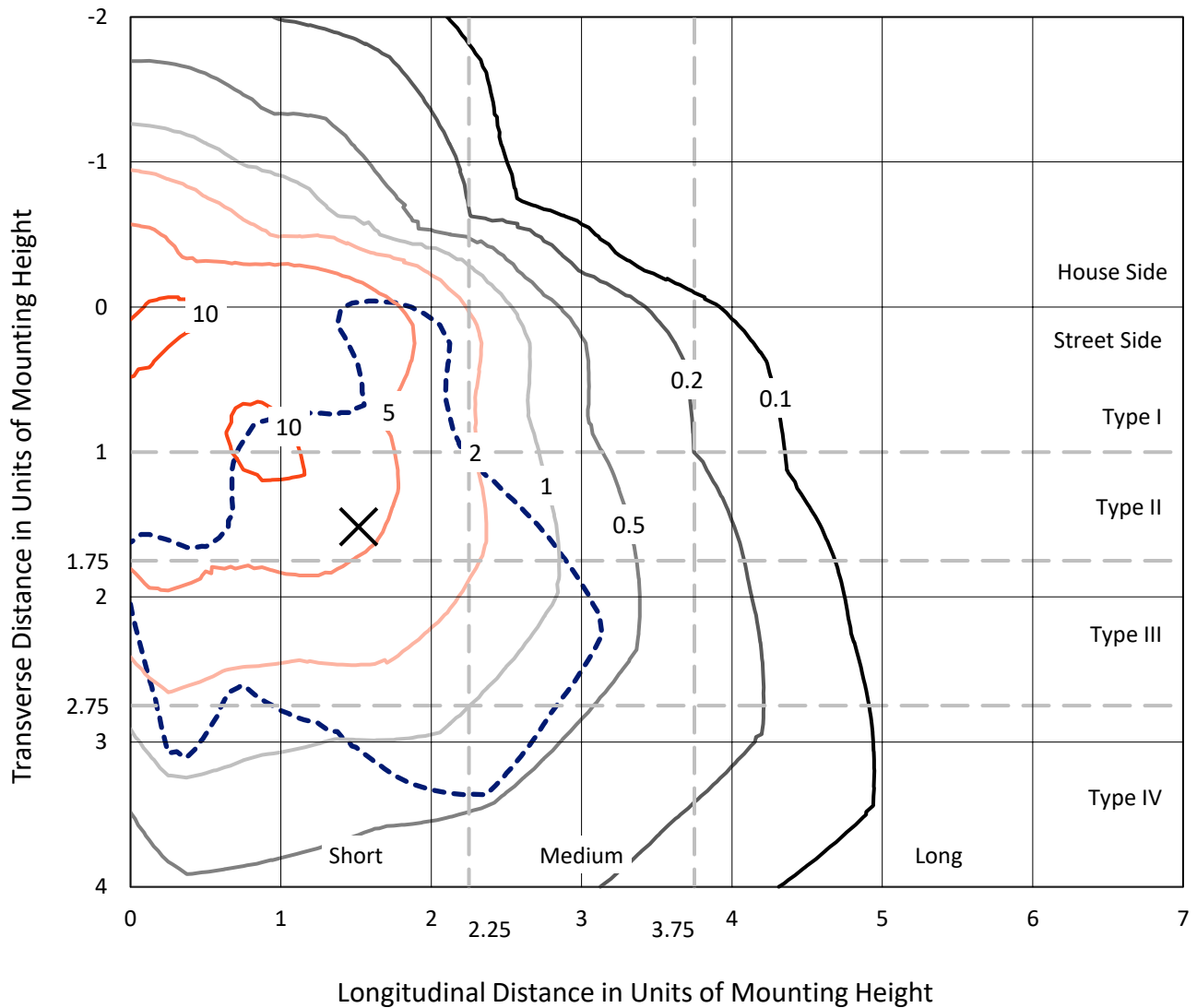
Lumens per Lamp: N/A  
Luminaire Lumens: 36669 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

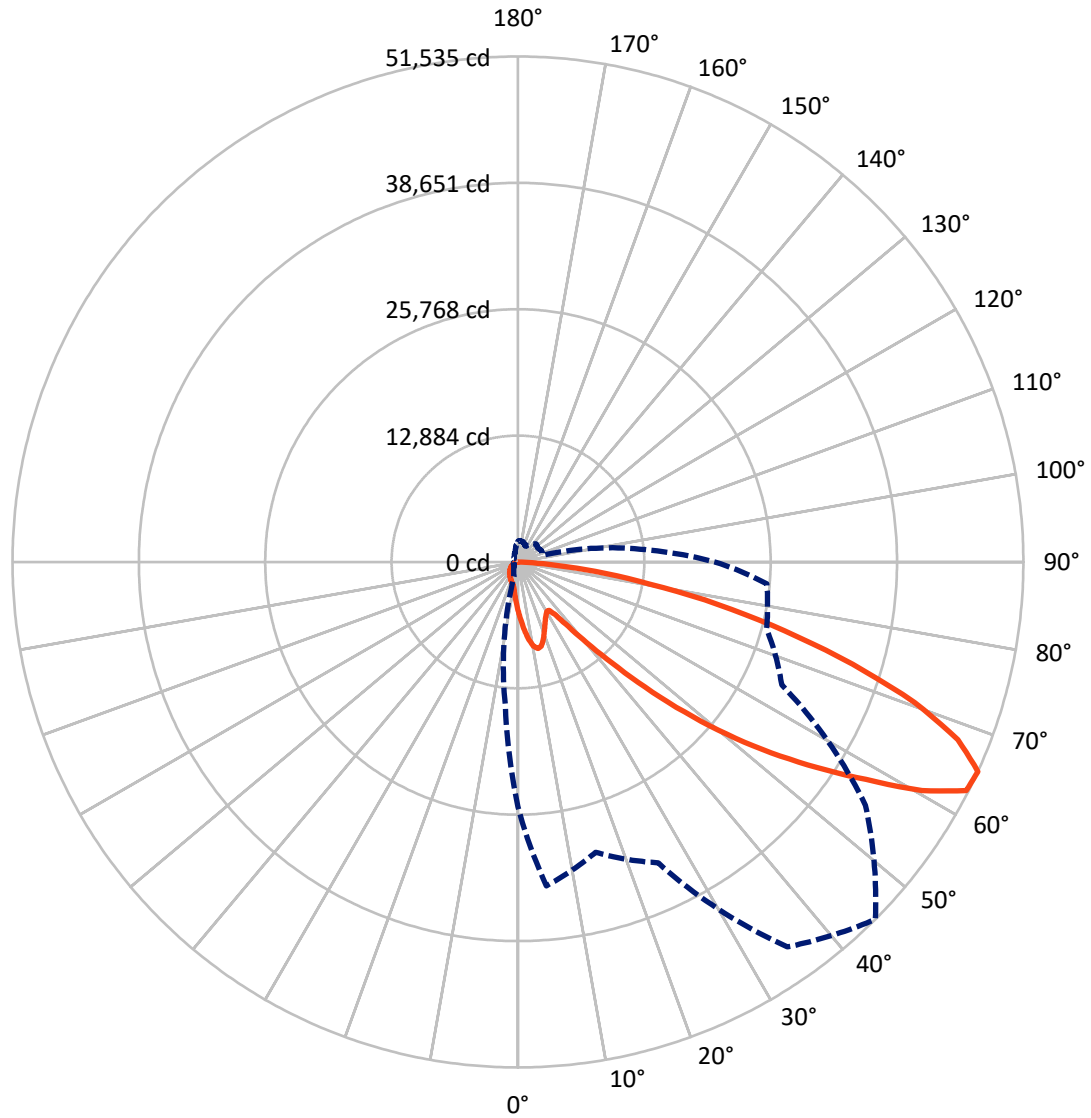
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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	7288.7	0.0	7288.7
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	29380.3	0.0	29380.3
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	36669.0	0.0	36669.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	499.9	1.4
10°-20°	1498.5	4.1
20°-30°	2207.7	6.0
30°-40°	2836.2	7.7
40°-50°	4587.0	12.5
50°-60°	8043.8	21.9
60°-70°	10065.0	27.4
70°-80°	5881.5	16.0
80°-90°	1049.4	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°	36669.0	100.0
0°-180°	36669.0	100.0



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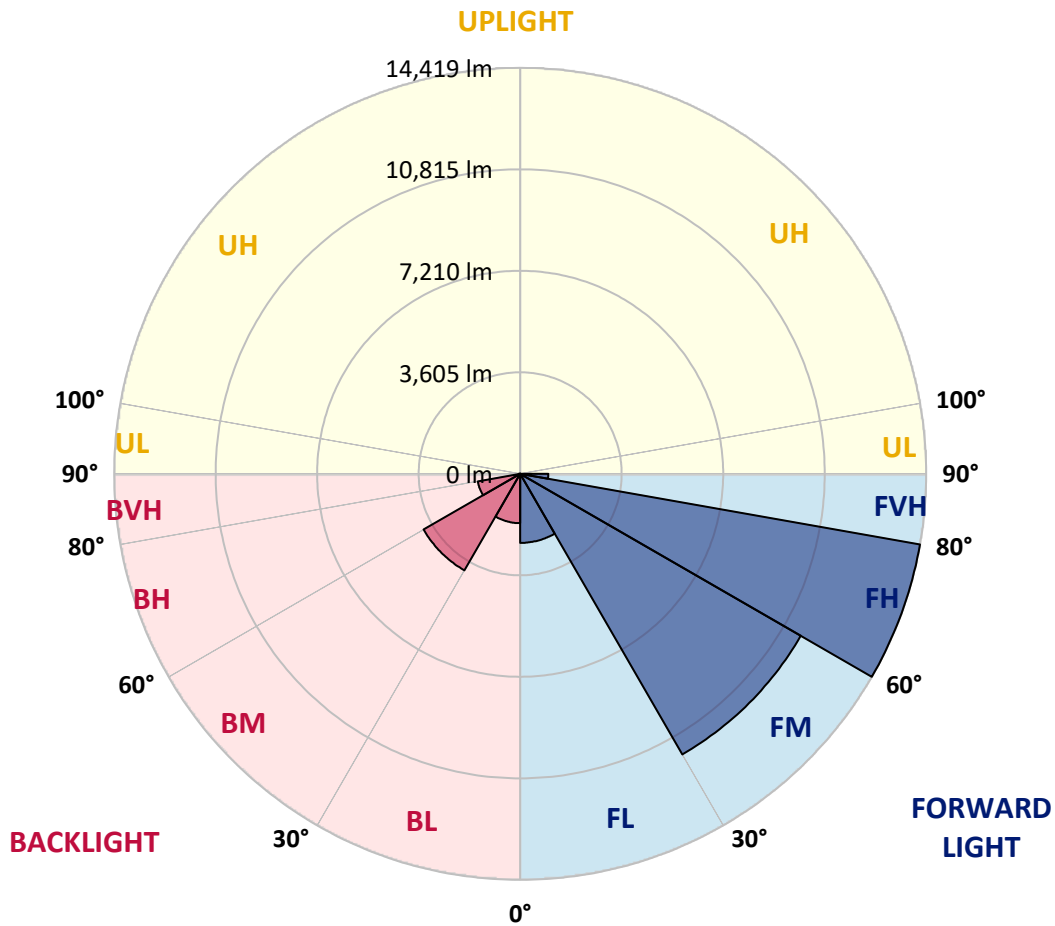
CATALOG NUMBER: GALN-SB6C-750-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2453.6	6.7			
FM (30°-60°)	11507.2	31.4			
FH (60°-80°)	14419.4	39.3			G5
FVH (80°-90°)	1000.2	2.7			G5
BL (0°-30°)	1752.5	4.8	B3/2500		
BM (30°-60°)	3959.9	10.8	B3/5000		
BH (60°-80°)	1527.1	4.2	B3/2500		G3/2500
BVH (80°-90°)	49.2	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°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
2.5°	5688.8	5731.7	5827.7	5878.3	5956.6	5961.6	5961.6	5893.4	5890.9	5752.0
5°	6358.2	6459.3	6686.6	6921.5	6972.1	6984.7	6959.4	6823.0	6722.0	6451.7
7.5°	7022.6	7217.1	7563.2	7876.4	7977.5	7977.5	7916.8	7694.5	7487.4	7095.8
10°	7573.3	7818.3	8288.2	8639.3	8755.5	8730.2	8606.5	8326.1	8040.6	7565.7
12.5°	7937.0	8212.4	8727.7	9010.6	9129.4	9063.7	8922.2	8649.4	8348.8	7848.6
15°	8118.9	8406.9	8854.0	9003.1	8970.2	8902.0	8884.3	8753.0	8525.6	8058.3
17.5°	8197.2	8465.0	8775.7	8682.2	8404.4	8351.3	8528.2	8694.9	8639.3	8240.2
20°	8270.5	8495.3	8588.8	8174.5	7689.5	7641.5	7980.0	8454.9	8697.4	8409.4
22.5°	8371.5	8510.5	8318.5	7639.0	7116.1	7004.9	7378.8	8093.7	8715.1	8624.1
25°	8510.5	8548.4	8020.4	7131.2	6605.8	6494.6	6843.2	7692.0	8684.8	8856.5
27.5°	8677.2	8598.9	7735.0	6706.8	6199.1	6095.5	6444.1	7305.5	8598.9	9088.9
30°	8894.4	8664.6	7452.0	6378.4	5908.6	5832.8	6168.8	6972.1	8492.8	9384.5
32.5°	9114.2	8692.3	7189.3	6186.4	5842.9	5870.7	6146.0	6792.7	8376.6	9667.4
35°	9351.7	8780.8	7060.5	6375.9	6391.1	6633.6	6747.2	6959.4	8358.9	10051.4
37.5°	9675.0	8977.8	7214.6	7318.1	7843.6	8346.3	8252.8	7775.4	8563.5	10624.8
40°	10139.8	9323.9	7886.5	8922.2	10000.9	10816.8	10460.6	9258.2	9190.0	11450.9
42.5°	10816.8	9874.6	9078.8	10882.5	12711.4	14055.3	13100.4	11170.5	10286.3	12630.6
45°	11817.1	10766.3	10521.3	12951.4	16053.4	18170.3	16184.8	13209.0	11822.2	14416.5
47.5°	13204.0	12077.3	11872.7	15131.4	20115.4	22853.7	19605.1	15098.6	13570.3	16851.7
50°	15045.5	13843.1	13153.5	17516.1	24569.0	27628.1	23023.0	16922.4	15573.5	19827.4
52.5°	17475.6	16306.0	14646.4	19787.0	29148.8	32301.4	26456.0	18524.0	18059.2	23280.6
55°	20789.9	20011.9	16687.5	21954.4	33726.1	37002.5	29755.1	20034.6	21343.1	27383.0
57.5°	24902.4	25458.1	19630.4	24467.9	37841.1	41847.6	33069.3	22146.4	25607.2	31970.5
60°	27554.8	32700.5	25266.2	28183.8	42517.0	47326.7	37611.3	26162.9	30088.5	33615.0
62.5°	26913.2	35004.3	32015.9	32927.9	46816.4	51310.4	42062.3	30197.1	30932.2	31192.4
65°	24945.3	33145.1	30639.2	33849.9	47905.2	51535.2	43252.1	29676.8	26238.7	25465.7
67.5°	22237.4	30939.8	27367.9	31404.6	45937.3	48392.7	41036.7	26251.3	20277.1	19110.0
70°	19314.6	28499.6	25220.7	28661.3	42186.1	42916.1	37270.2	23088.7	14914.2	12905.9
72.5°	16541.0	25958.3	23750.5	25849.7	37181.8	35671.2	32367.1	20292.2	10859.8	9308.7
75°	13704.2	22209.6	21656.3	22510.2	30601.3	28097.9	26893.0	16801.2	8523.1	6734.6
77.5°	10574.3	17354.4	18627.5	18026.3	21540.1	20870.7	20845.5	12625.5	6226.9	4494.0
80°	7237.3	12095.0	14552.9	12716.4	13979.5	13638.5	15699.8	8470.1	4516.7	2705.5
82.5°	4254.0	7363.6	10129.7	6156.1	7729.9	7934.5	9349.1	4120.1	2657.5	623.9
85°	1725.3	2907.6	3960.9	2409.9	3728.5	3145.0	3549.2	1157.0	740.2	15.2
87.5°	434.5	929.6	651.7	270.3	432.0	396.6	313.2	141.5	30.3	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°
5077.5	0°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
5736.8	2.5°	5638.3	5580.2	5436.2	5292.2	5176.0	5019.4	4915.8	4792.0	4673.3	4567.2
6393.6	5°	6234.4	6042.5	5779.7	5539.8	5294.7	5057.3	4822.3	4574.8	4347.4	4208.5
6949.3	7.5°	6719.5	6381.0	6032.4	5726.7	5431.1	5153.3	4842.6	4541.9	4185.8	3996.3
7373.7	10°	7080.7	6636.1	6178.9	5827.7	5529.7	5259.4	4996.6	4693.5	4264.1	4026.6
7631.4	12.5°	7318.1	6790.2	6254.7	5853.0	5519.6	5309.9	5193.7	5075.0	4648.0	4370.2
7820.8	15°	7482.3	6898.8	6307.7	5794.9	5385.7	5231.6	5347.8	5484.2	5211.4	4890.6
8017.9	17.5°	7661.7	7040.3	6330.4	5638.3	5125.5	5059.8	5360.4	5676.2	5663.5	5345.3
8204.8	20°	7851.2	7164.1	6315.3	5385.7	4809.7	4867.8	5251.8	5618.1	5772.2	5600.4
8419.5	22.5°	8045.7	7282.8	6257.2	5057.3	4514.2	4696.0	5080.0	5400.8	5582.7	5529.7
8682.2	25°	8290.7	7449.5	6171.3	4703.6	4269.1	4521.7	4880.4	5140.6	5266.9	5264.4
8965.2	27.5°	8583.7	7671.8	6125.8	4418.2	4094.8	4324.7	4643.0	4875.4	4963.8	4963.8
9316.3	30°	8924.8	7934.5	6075.3	4231.2	3993.8	4120.1	4367.6	4595.0	4683.4	4683.4
9700.3	32.5°	9303.7	8187.1	5954.0	4117.6	3918.0	3920.5	4077.1	4284.3	4390.4	4405.5
10180.2	35°	9758.4	8457.4	5688.8	4026.6	3829.6	3726.0	3801.8	3973.6	4099.9	4132.7
10864.8	37.5°	10354.5	8788.3	5309.9	3892.7	3693.2	3521.4	3539.1	3670.4	3809.4	3859.9
11809.6	40°	11155.3	9177.4	4915.8	3700.8	3501.2	3296.6	3289.0	3385.0	3521.4	3577.0
13087.8	42.5°	12213.7	9644.7	4539.4	3516.3	3268.8	3059.1	3046.5	3122.3	3241.0	3299.1
14775.2	45°	13567.7	10218.1	4216.1	3372.4	3041.4	2834.3	2829.2	2892.4	2996.0	3056.6
16935.0	47.5°	15449.7	10791.5	3996.3	3296.6	2862.1	2649.9	2660.0	2715.6	2809.0	2852.0
19731.5	50°	17902.5	10965.8	3885.2	3296.6	2766.1	2485.7	2536.2	2581.7	2652.4	2677.7
23083.6	52.5°	20256.9	10389.9	3784.1	3316.8	2778.7	2346.8	2455.4	2488.2	2548.8	2559.0
26190.7	55°	21411.3	8932.3	3645.2	3321.8	2857.0	2228.0	2389.7	2450.3	2473.1	2470.5
27994.4	57.5°	21014.7	7222.2	3410.2	3301.6	2910.1	2152.2	2308.9	2425.1	2440.2	2417.5
27650.8	60°	19622.8	5317.5	3230.9	3152.6	2889.9	2129.5	2185.1	2369.5	2392.2	2361.9
25003.4	62.5°	17288.7	3690.6	3092.0	2824.2	2801.5	2121.9	1990.6	2248.2	2303.8	2260.9
20097.7	65°	13610.7	2606.9	2662.5	2475.6	2609.5	2081.5	1788.5	2101.7	2177.5	2111.8
14580.7	67.5°	9210.2	1882.0	2157.3	2243.2	2298.8	1990.6	1642.0	1935.0	2036.0	1950.2
9356.7	70°	4973.9	1321.2	1424.7	1889.5	1952.7	1834.0	1510.6	1765.8	1882.0	1788.5
6651.3	72.5°	2937.9	949.8	997.8	1518.2	1626.8	1614.2	1364.1	1568.7	1710.2	1599.0
4589.9	75°	1619.2	641.6	712.4	1101.4	1321.2	1245.4	1172.1	1328.7	1472.7	1364.1
2877.2	77.5°	725.0	384.0	495.1	722.5	1038.2	853.8	906.9	1035.7	1169.6	1055.9
1601.6	80°	280.4	214.7	328.4	394.1	755.3	472.4	583.5	762.9	858.9	767.9
348.6	82.5°	35.4	96.0	141.5	154.1	439.5	250.1	338.5	480.0	472.4	409.2
0.0	85°	0.0	17.7	20.2	10.1	189.5	90.9	111.1	156.6	146.5	111.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	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°
5077.5	0°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
4547.0	2.5°	4423.2	4332.3	4286.8	4248.9	4284.3	4304.5	4304.5	4390.4	4440.9	4461.1
4120.1	5°	3897.8	3728.5	3614.9	3546.7	3569.4	3594.7	3622.4	3731.1	3804.3	3852.3
3824.5	7.5°	3483.5	3225.8	3066.7	2983.3	2996.0	3013.7	3036.4	3142.5	3215.7	3278.9
3769.0	10°	3278.9	2915.1	2705.5	2604.4	2586.7	2576.6	2569.1	2632.2	2687.8	2738.3
3996.3	12.5°	3289.0	2781.2	2526.1	2402.3	2349.3	2288.7	2240.7	2250.8	2286.1	2349.3
4403.0	15°	3417.8	2738.3	2432.6	2278.6	2190.1	2119.4	2061.3	2048.7	2061.3	2071.4
4867.8	17.5°	3592.1	2733.3	2351.8	2159.8	2068.9	2010.8	1957.7	1940.1	1942.6	1955.2
5176.0	20°	3731.1	2718.1	2260.9	2046.1	1965.3	1914.8	1861.7	1844.1	1849.1	1851.6
5206.3	22.5°	3804.3	2695.4	2159.8	1932.5	1864.3	1813.7	1765.8	1763.2	1763.2	1778.4
5042.1	25°	3804.3	2647.4	2068.9	1823.9	1763.2	1717.8	1659.7	1669.8	1674.8	1695.0
4787.0	27.5°	3713.4	2556.4	1995.6	1730.4	1667.2	1621.8	1568.7	1581.3	1588.9	1611.7
4534.4	30°	3597.2	2447.8	1912.3	1642.0	1568.7	1535.9	1490.4	1495.5	1505.6	1530.8
4299.4	32.5°	3473.4	2319.0	1844.1	1553.6	1480.3	1455.0	1404.5	1412.1	1422.2	1450.0
4067.0	35°	3337.0	2167.4	1763.2	1472.7	1399.5	1379.3	1321.2	1326.2	1341.4	1371.7
3817.0	37.5°	3193.0	2043.6	1682.4	1394.4	1318.6	1298.4	1237.8	1242.8	1260.5	1295.9
3554.2	40°	3051.5	1922.4	1596.5	1311.1	1235.3	1217.6	1151.9	1157.0	1177.2	1215.1
3289.0	42.5°	2897.4	1828.9	1485.4	1225.2	1144.3	1126.6	1066.0	1073.6	1096.3	1134.2
3044.0	45°	2713.0	1768.3	1361.6	1144.3	1053.4	1035.7	980.1	995.3	1020.5	1058.4
2834.3	47.5°	2523.6	1743.0	1258.0	1058.4	959.9	944.8	899.3	924.6	952.3	982.7
2654.9	50°	2341.7	1710.2	1151.9	977.6	879.1	863.9	833.6	866.5	894.2	922.0
2526.1	52.5°	2134.6	1639.4	1055.9	906.9	810.9	805.8	790.7	821.0	846.2	871.5
2415.0	55°	1919.8	1525.8	972.6	843.7	752.8	757.8	750.3	775.5	795.7	818.5
2313.9	57.5°	1732.9	1381.8	906.9	775.5	702.3	717.4	707.3	719.9	732.6	760.4
2192.7	60°	1543.5	1210.0	833.6	694.7	651.7	669.4	641.6	639.1	644.2	651.7
2013.3	62.5°	1288.3	1030.7	742.7	623.9	596.2	603.7	550.7	510.3	510.3	517.9
1763.2	65°	1035.7	863.9	641.6	543.1	520.4	515.3	439.5	384.0	378.9	401.7
1472.7	67.5°	851.3	717.4	540.6	452.2	437.0	442.1	386.5	330.9	325.9	351.1
1199.9	70°	704.8	578.5	432.0	348.6	363.8	386.5	330.9	277.9	270.3	293.0
975.1	72.5°	560.8	452.2	330.9	257.7	300.6	328.4	270.3	219.8	214.7	234.9
752.8	75°	411.8	323.3	224.8	186.9	232.4	257.7	197.0	156.6	149.0	166.7
502.7	77.5°	255.1	181.9	141.5	111.1	159.1	171.8	103.6	90.9	88.4	101.0
305.7	80°	118.7	78.3	68.2	37.9	58.1	68.2	42.9	48.0	50.5	60.6
154.1	82.5°	32.8	12.6	2.5	0.0	0.0	20.2	10.1	20.2	25.3	37.9
12.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	12.6	22.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1
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°
5077.5	0°	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5	5077.5
4602.6	2.5°	4708.7	4809.7	4971.4	5138.1	5302.3	5469.0	5630.7	5688.8
4072.1	5°	4271.7	4504.1	4824.9	5168.4	5522.1	5880.8	6209.2	6358.2
3523.9	7.5°	3784.1	4117.6	4600.0	5138.1	5701.4	6264.8	6782.6	7022.6
2980.8	10°	3263.7	3685.6	4236.3	4963.8	5772.2	6550.2	7262.6	7573.3
2503.4	12.5°	2768.6	3210.7	3819.5	4691.0	5716.6	6714.4	7570.8	7937.0
2167.4	15°	2354.3	2745.9	3402.7	4367.6	5537.2	6724.5	7717.3	8118.9
1980.5	17.5°	2043.6	2298.8	2978.3	4008.9	5302.3	6631.0	7767.8	8197.2
1879.4	20°	1889.5	1960.3	2427.6	3549.2	5082.5	6542.6	7818.3	8270.5
1798.6	22.5°	1798.6	1816.3	1985.5	2955.5	4819.8	6514.8	7906.7	8371.5
1725.3	25°	1725.3	1730.4	1775.9	2341.7	4418.2	6497.2	8043.1	8510.5
1649.6	27.5°	1652.1	1652.1	1677.3	1887.0	3872.5	6421.4	8220.0	8677.2
1573.8	30°	1578.8	1578.8	1596.5	1669.8	3233.4	6272.3	8432.2	8894.4
1498.0	32.5°	1503.0	1503.0	1518.2	1571.2	2581.7	6085.4	8626.7	9114.2
1419.7	35°	1427.3	1422.2	1442.4	1498.0	2053.7	5847.9	8821.2	9351.7
1341.4	37.5°	1346.4	1343.9	1364.1	1427.3	1773.3	5572.6	8967.7	9675.0
1263.1	40°	1260.5	1260.5	1283.3	1351.5	1692.5	5226.5	9200.1	10139.8
1182.2	42.5°	1182.2	1177.2	1202.4	1285.8	1631.9	4895.6	9616.9	10816.8
1109.0	45°	1106.4	1096.3	1119.1	1222.6	1525.8	4779.4	10394.9	11817.1
1038.2	47.5°	1035.7	1010.4	1030.7	1146.9	1429.8	5213.9	11668.1	13204.0
975.1	50°	977.6	929.6	947.3	1071.1	1356.5	6156.1	13320.2	15045.5
917.0	52.5°	917.0	853.8	863.9	977.6	1290.8	7052.9	15111.2	17475.6
858.9	55°	853.8	783.1	788.1	884.1	1197.4	7186.8	16859.3	20789.9
793.2	57.5°	783.1	717.4	717.4	798.3	1129.2	6229.4	18203.2	24902.4
712.4	60°	704.8	661.8	649.2	730.0	1189.8	4395.4	18359.8	27554.8
608.8	62.5°	618.9	596.2	578.5	664.4	1235.3	2604.4	17099.2	26913.2
480.0	65°	520.4	515.3	502.7	730.0	1040.8	1538.4	14679.2	24945.3
409.2	67.5°	437.0	429.4	429.4	765.4	790.7	967.5	11468.5	22237.4
348.6	70°	376.4	348.6	348.6	578.5	480.0	669.4	8007.8	19314.6
288.0	72.5°	315.8	285.5	265.2	462.3	358.7	490.1	5004.2	16541.0
219.8	75°	252.6	229.9	204.6	305.7	267.8	371.3	2907.6	13704.2
138.9	77.5°	181.9	171.8	144.0	224.8	194.5	267.8	1730.4	10574.3
85.9	80°	93.5	96.0	90.9	128.8	131.4	181.9	985.2	7237.3
55.6	82.5°	55.6	42.9	48.0	63.2	75.8	103.6	371.3	4254.0
40.4	85°	35.4	22.7	22.7	30.3	37.9	40.4	113.7	1725.3
20.2	87.5°	17.7	7.6	10.1	15.2	12.6	10.1	5.1	434.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)