

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: P955486

Luminaire Tested: **GALN-SB8B-935-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955486  
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-SB8B-935-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

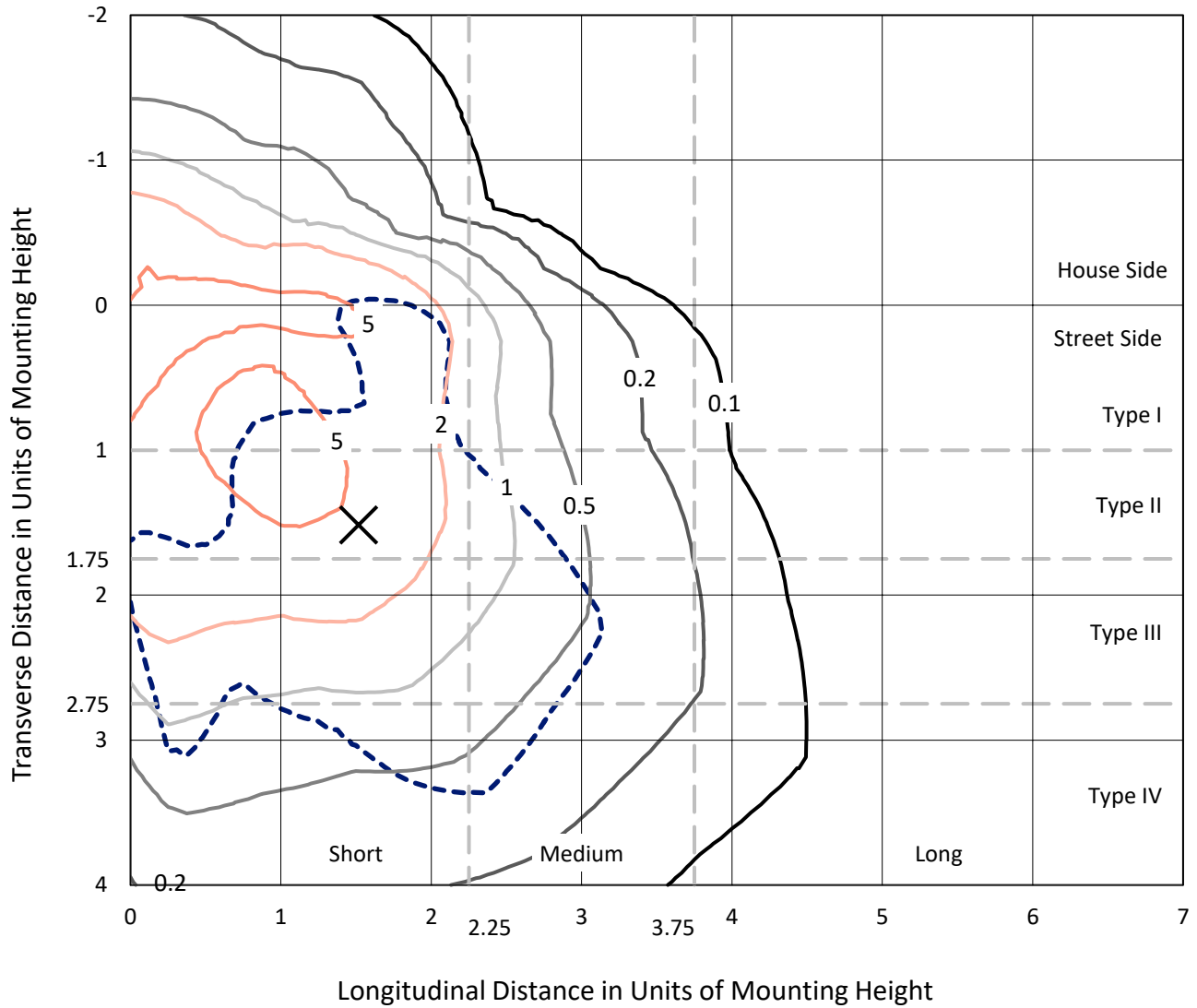
Lumens per Lamp: N/A  
Luminaire Lumens: 24174 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

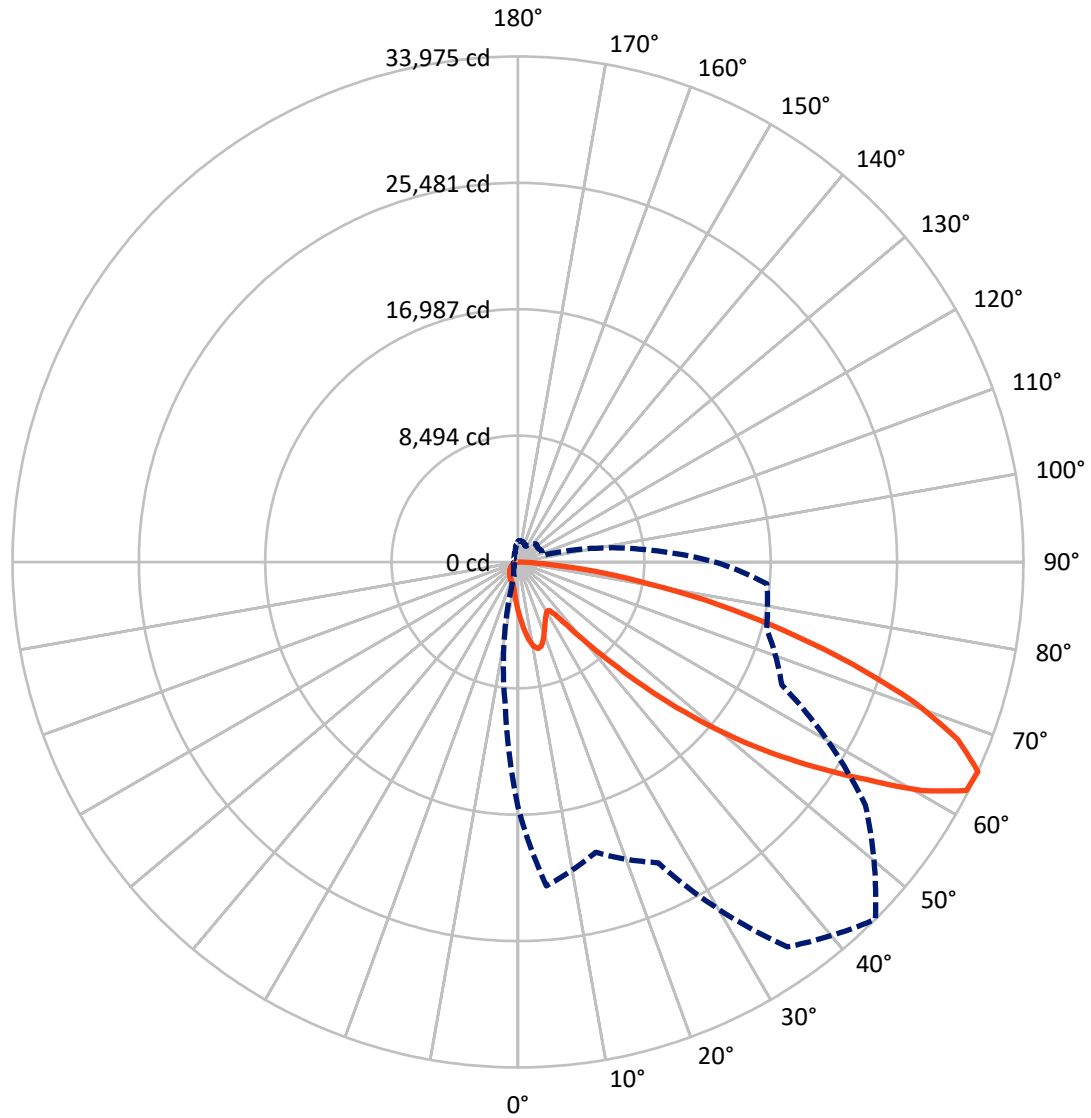
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	4805.1	0.0	4805.1
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	19369.0	0.0	19369.0
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	24174.0	0.0	24174.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.6	1.4
10°-20°	987.9	4.1
20°-30°	1455.4	6.0
30°-40°	1869.8	7.7
40°-50°	3024.0	12.5
50°-60°	5302.9	21.9
60°-70°	6635.3	27.4
70°-80°	3877.4	16.0
80°-90°	691.8	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°	24174.0	100.0
0°-180°	24174.0	100.0

**Coefficient of Utilization**



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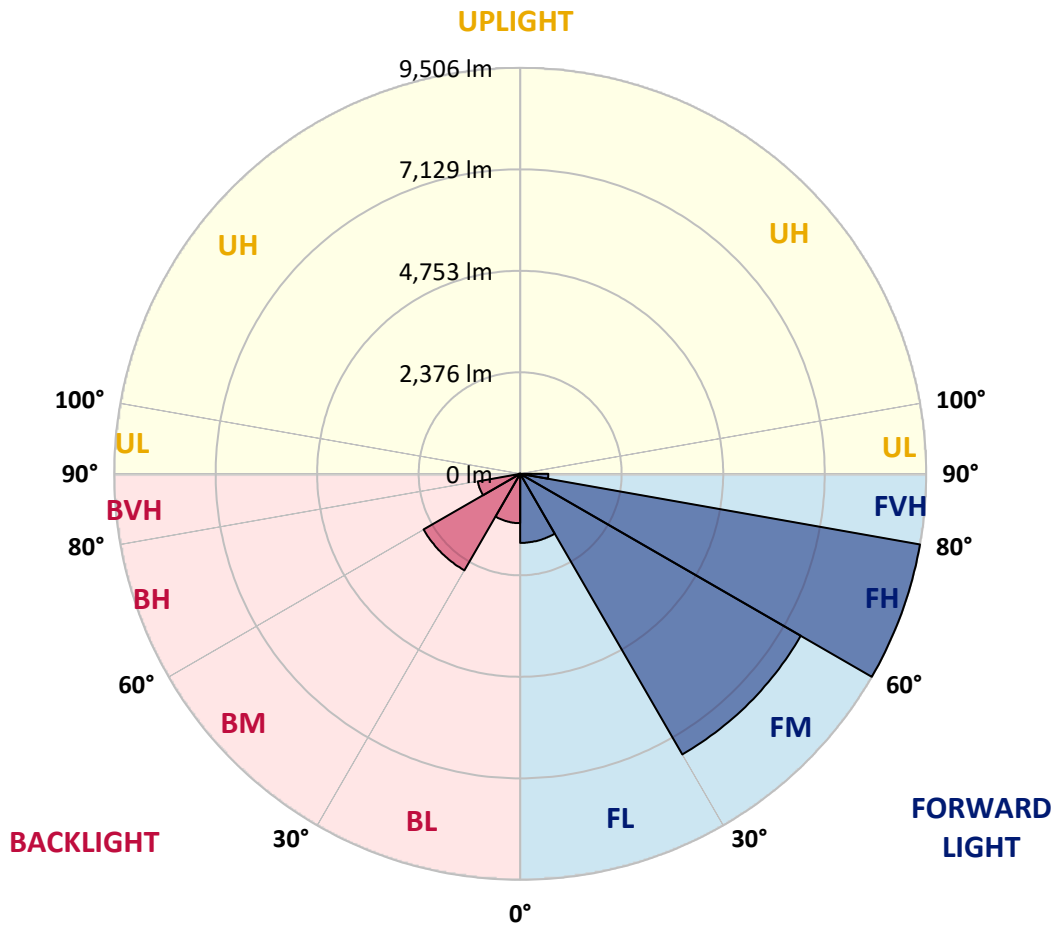
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1617.5	6.7			
FM (30°-60°)	7586.1	31.4			
FH (60°-80°)	9506.0	39.3			G4/12000
FVH (80°-90°)	659.4	2.7			G4/750
BL (0°-30°)	1155.3	4.8	B3/2500		
BM (30°-60°)	2610.6	10.8	B3/5000		
BH (60°-80°)	1006.8	4.2	B3/2500		G3/2500
BVH (80°-90°)	32.4	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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
2.5°	3750.3	3778.6	3841.9	3875.2	3926.9	3930.2	3930.2	3885.2	3883.6	3792.0
5°	4191.7	4258.3	4408.1	4563.0	4596.3	4604.7	4588.0	4498.1	4431.5	4253.3
7.5°	4629.6	4757.9	4986.0	5192.5	5259.1	5259.1	5219.2	5072.6	4936.1	4677.9
10°	4992.7	5154.2	5464.0	5695.4	5772.1	5755.4	5673.8	5488.9	5300.8	4987.7
12.5°	5232.5	5414.0	5753.7	5940.3	6018.5	5975.2	5882.0	5702.1	5503.9	5174.2
15°	5352.4	5542.2	5837.0	5935.3	5913.6	5868.6	5857.0	5770.4	5620.5	5312.4
17.5°	5404.0	5580.5	5785.4	5723.8	5540.6	5505.6	5622.2	5732.1	5695.4	5432.3
20°	5452.3	5600.5	5662.1	5389.0	5069.3	5037.6	5260.8	5573.9	5733.8	5543.9
22.5°	5518.9	5610.5	5484.0	5036.0	4691.3	4618.0	4864.4	5335.7	5745.4	5685.5
25°	5610.5	5635.5	5287.4	4701.2	4354.9	4281.6	4511.4	5070.9	5725.4	5838.7
27.5°	5720.4	5668.8	5099.3	4421.5	4086.7	4018.5	4248.3	4816.2	5668.8	5991.9
30°	5863.6	5712.1	4912.7	4205.0	3895.2	3845.3	4066.8	4596.3	5598.9	6186.7
32.5°	6008.5	5730.4	4739.5	4078.4	3851.9	3870.2	4051.8	4478.1	5522.3	6373.2
35°	6165.1	5788.7	4654.6	4203.3	4213.3	4373.2	4448.1	4588.0	5510.6	6626.4
37.5°	6378.2	5918.6	4756.2	4824.5	5170.9	5502.3	5440.7	5125.9	5645.5	7004.4
40°	6684.7	6146.8	5199.2	5882.0	6593.1	7131.0	6896.2	6103.5	6058.5	7549.0
42.5°	7131.0	6509.8	5985.2	7174.3	8380.0	9265.9	8636.4	7364.1	6781.2	8326.7
45°	7790.4	7097.7	6936.1	8538.2	10583.2	11978.8	10669.8	8708.0	7793.8	9504.1
47.5°	8704.7	7962.0	7827.1	9975.4	13261.1	15066.3	12924.7	9953.7	8946.2	11109.5
50°	9918.7	9126.0	8671.4	11547.4	16197.1	18213.8	15177.9	11156.1	10266.8	13071.2
52.5°	11520.8	10749.7	9655.6	13044.6	19216.3	21294.7	17441.1	12211.9	11905.5	15347.7
55°	13705.7	13192.8	11001.2	14473.4	22233.9	24393.8	19616.0	13207.8	14070.4	18052.2
57.5°	16416.9	16783.3	12941.3	16130.4	24946.7	27588.0	21800.9	14600.0	16881.5	21076.5
60°	18165.5	21557.8	16656.7	18580.2	28029.3	31200.1	24795.2	17247.9	19835.8	22160.6
62.5°	17742.5	23076.6	21106.5	21707.7	30863.7	33826.3	27729.5	19907.4	20392.0	20563.6
65°	16445.2	21850.9	20198.9	22315.5	31581.4	33974.5	28513.9	19564.4	17297.8	16788.3
67.5°	14660.0	20397.0	18042.3	20703.5	30284.1	31902.8	27053.4	17306.2	13367.7	12598.3
70°	12733.2	18788.3	16626.7	18894.9	27811.1	28292.4	24570.4	15221.2	9832.1	8508.2
72.5°	10904.6	17113.0	15657.5	17041.4	24512.1	23516.2	21338.0	13377.6	7159.3	6136.8
75°	9034.4	14641.6	14276.9	14839.8	20173.9	18523.5	17729.2	11076.2	5618.8	4439.8
77.5°	6971.1	11440.9	12280.2	11883.8	14200.3	13759.0	13742.4	8323.3	4105.1	2962.6
80°	4771.2	7973.6	9594.0	8383.3	9216.0	8991.1	10350.1	5583.9	2977.6	1783.6
82.5°	2804.4	4854.5	6678.0	4058.4	5095.9	5230.8	6163.4	2716.2	1751.9	411.3
85°	1137.4	1916.8	2611.2	1588.7	2458.0	2073.3	2339.8	762.7	487.9	10.0
87.5°	286.4	612.8	429.7	178.2	284.8	261.5	206.5	93.3	20.0	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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3347.3	0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
3782.0	2.5°	3717.0	3678.7	3583.8	3488.9	3412.3	3309.0	3240.7	3159.1	3080.9	3010.9
4215.0	5°	4110.0	3983.5	3810.3	3652.1	3490.5	3334.0	3179.1	3015.9	2866.0	2774.4
4581.3	7.5°	4429.8	4206.6	3976.8	3775.3	3580.5	3397.3	3192.4	2994.3	2759.5	2634.6
4861.1	10°	4667.9	4374.8	4073.4	3841.9	3645.4	3467.2	3294.0	3094.2	2811.1	2654.5
5031.0	12.5°	4824.5	4476.4	4123.4	3858.6	3638.8	3500.5	3423.9	3345.7	3064.2	2881.0
5155.9	15°	4932.7	4548.0	4158.3	3820.3	3550.5	3448.9	3525.5	3615.4	3435.6	3224.1
5285.8	17.5°	5051.0	4641.3	4173.3	3717.0	3379.0	3335.7	3533.8	3742.0	3733.7	3523.9
5409.0	20°	5175.9	4722.9	4163.3	3550.5	3170.8	3209.1	3462.2	3703.7	3805.3	3692.1
5550.6	22.5°	5304.1	4801.2	4125.0	3334.0	2976.0	3095.9	3349.0	3560.5	3680.4	3645.4
5723.8	25°	5465.6	4911.1	4068.4	3100.9	2814.4	2981.0	3217.4	3389.0	3472.2	3470.6
5910.3	27.5°	5658.8	5057.6	4038.4	2912.7	2699.5	2851.1	3060.9	3214.1	3272.4	3272.4
6141.8	30°	5883.6	5230.8	4005.1	2789.4	2632.9	2716.2	2879.4	3029.2	3087.5	3087.5
6394.9	32.5°	6133.4	5397.4	3925.2	2714.5	2582.9	2584.6	2687.9	2824.4	2894.4	2904.3
6711.3	35°	6433.2	5575.5	3750.3	2654.5	2524.6	2456.4	2506.3	2619.6	2702.8	2724.5
7162.6	37.5°	6826.2	5793.7	3500.5	2566.3	2434.7	2321.5	2333.1	2419.7	2511.3	2544.6
7785.4	40°	7354.1	6050.2	3240.7	2439.7	2308.2	2173.3	2168.3	2231.6	2321.5	2358.1
8628.1	42.5°	8051.9	6358.3	2992.6	2318.1	2154.9	2016.7	2008.4	2058.4	2136.6	2174.9
9740.6	45°	8944.5	6736.3	2779.4	2223.2	2005.1	1868.5	1865.2	1906.8	1975.1	2015.1
11164.4	47.5°	10185.2	7114.3	2634.6	2173.3	1886.8	1746.9	1753.6	1790.2	1851.9	1880.2
13007.9	50°	11802.2	7229.2	2561.3	2173.3	1823.5	1638.7	1672.0	1702.0	1748.6	1765.3
15217.8	52.5°	13354.3	6849.5	2494.7	2186.6	1831.9	1547.1	1618.7	1640.4	1680.3	1687.0
17266.2	55°	14115.4	5888.6	2403.1	2189.9	1883.5	1468.8	1575.4	1615.4	1630.4	1628.7
18455.3	57.5°	13853.9	4761.2	2248.2	2176.6	1918.5	1418.9	1522.1	1598.7	1608.7	1593.7
18228.8	60°	12936.3	3505.5	2130.0	2078.3	1905.1	1403.9	1440.5	1562.1	1577.1	1557.1
16483.5	62.5°	11397.6	2433.1	2038.4	1861.8	1846.9	1398.9	1312.3	1482.1	1518.8	1490.5
13249.4	65°	8972.8	1718.6	1755.3	1632.0	1720.3	1372.2	1179.1	1385.6	1435.5	1392.2
9612.3	67.5°	6071.8	1240.7	1422.2	1478.8	1515.5	1312.3	1082.5	1275.6	1342.3	1285.6
6168.4	70°	3279.0	871.0	939.2	1245.7	1287.3	1209.0	995.9	1164.1	1240.7	1179.1
4384.8	72.5°	1936.8	626.2	657.8	1000.9	1072.5	1064.1	899.3	1034.2	1127.4	1054.2
3025.9	75°	1067.5	423.0	469.6	726.1	871.0	821.0	772.7	876.0	970.9	899.3
1896.8	77.5°	478.0	253.1	326.4	476.3	684.5	562.9	597.9	682.8	771.1	696.1
1055.8	80°	184.9	141.6	216.5	259.8	497.9	311.4	384.7	502.9	566.2	506.3
229.8	82.5°	23.3	63.3	93.3	101.6	289.8	164.9	223.2	316.4	311.4	269.8
0.0	85°	0.0	11.7	13.3	6.7	124.9	60.0	73.3	103.3	96.6	73.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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°
3347.3	0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
2997.6	2.5°	2916.0	2856.1	2826.1	2801.1	2824.4	2837.7	2837.7	2894.4	2927.7	2941.0
2716.2	5°	2569.6	2458.0	2383.1	2338.1	2353.1	2369.8	2388.1	2459.7	2508.0	2539.6
2521.3	7.5°	2296.5	2126.6	2021.7	1966.8	1975.1	1986.7	2001.7	2071.7	2120.0	2161.6
2484.7	10°	2161.6	1921.8	1783.6	1717.0	1705.3	1698.6	1693.6	1735.3	1771.9	1805.2
2634.6	12.5°	2168.3	1833.5	1665.3	1583.7	1548.8	1508.8	1477.2	1483.8	1507.1	1548.8
2902.7	15°	2253.2	1805.2	1603.7	1502.1	1443.8	1397.2	1358.9	1350.6	1358.9	1365.6
3209.1	17.5°	2368.1	1801.9	1550.4	1423.9	1363.9	1325.6	1290.6	1279.0	1280.6	1289.0
3412.3	20°	2459.7	1791.9	1490.5	1348.9	1295.6	1262.3	1227.4	1215.7	1219.0	1220.7
3432.3	22.5°	2508.0	1776.9	1423.9	1274.0	1229.0	1195.7	1164.1	1162.4	1162.4	1172.4
3324.0	25°	2508.0	1745.3	1363.9	1202.4	1162.4	1132.4	1094.1	1100.8	1104.1	1117.4
3155.8	27.5°	2448.0	1685.3	1315.6	1140.8	1099.1	1069.1	1034.2	1042.5	1047.5	1062.5
2989.3	30°	2371.4	1613.7	1260.7	1082.5	1034.2	1012.5	982.5	985.9	992.5	1009.2
2834.4	32.5°	2289.8	1528.8	1215.7	1024.2	975.9	959.2	925.9	930.9	937.6	955.9
2681.2	35°	2199.9	1428.9	1162.4	970.9	922.6	909.3	871.0	874.3	884.3	904.3
2516.3	37.5°	2105.0	1347.3	1109.1	919.3	869.3	856.0	816.0	819.3	831.0	854.3
2343.1	40°	2011.7	1267.3	1052.5	864.3	814.3	802.7	759.4	762.7	776.0	801.0
2168.3	42.5°	1910.1	1205.7	979.2	807.7	754.4	742.7	702.8	707.8	722.8	747.7
2006.7	45°	1788.6	1165.7	897.6	754.4	694.4	682.8	646.2	656.1	672.8	697.8
1868.5	47.5°	1663.7	1149.1	829.3	697.8	632.8	622.8	592.9	609.5	627.8	647.8
1750.3	50°	1543.8	1127.4	759.4	644.5	579.5	569.5	549.6	571.2	589.5	607.8
1665.3	52.5°	1407.2	1080.8	696.1	597.9	534.6	531.2	521.3	541.2	557.9	574.5
1592.1	55°	1265.7	1005.9	641.2	556.2	496.3	499.6	494.6	511.3	524.6	539.6
1525.4	57.5°	1142.4	910.9	597.9	511.3	463.0	473.0	466.3	474.6	482.9	501.3
1445.5	60°	1017.5	797.7	549.6	458.0	429.7	441.3	423.0	421.3	424.7	429.7
1327.3	62.5°	849.3	679.5	489.6	411.3	393.0	398.0	363.0	336.4	336.4	341.4
1162.4	65°	682.8	569.5	423.0	358.0	343.1	339.7	289.8	253.1	249.8	264.8
970.9	67.5°	561.2	473.0	356.4	298.1	288.1	291.4	254.8	218.2	214.8	231.5
791.0	70°	464.6	381.4	284.8	229.8	239.8	254.8	218.2	183.2	178.2	193.2
642.8	72.5°	369.7	298.1	218.2	169.9	198.2	216.5	178.2	144.9	141.6	154.9
496.3	75°	271.4	213.2	148.2	123.2	153.2	169.9	129.9	103.3	98.3	109.9
331.4	77.5°	168.2	119.9	93.3	73.3	104.9	113.2	68.3	60.0	58.3	66.6
201.5	80°	78.3	51.6	45.0	25.0	38.3	45.0	28.3	31.6	33.3	40.0
101.6	82.5°	21.6	8.3	1.7	0.0	0.0	13.3	6.7	13.3	16.7	25.0
8.3	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.3	15.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
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°
3347.3	0°	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3	3347.3
3034.2	2.5°	3104.2	3170.8	3277.4	3387.3	3495.5	3605.5	3712.0	3750.3
2684.5	5°	2816.1	2969.3	3180.8	3407.3	3640.4	3876.9	4093.4	4191.7
2323.1	7.5°	2494.7	2714.5	3032.6	3387.3	3758.7	4130.0	4471.4	4629.6
1965.1	10°	2151.6	2429.7	2792.8	3272.4	3805.3	4318.2	4787.8	4992.7
1650.3	12.5°	1825.2	2116.6	2518.0	3092.5	3768.7	4426.5	4991.0	5232.5
1428.9	15°	1552.1	1810.2	2243.2	2879.4	3650.4	4433.1	5087.6	5352.4
1305.6	17.5°	1347.3	1515.5	1963.4	2642.9	3495.5	4371.5	5120.9	5404.0
1239.0	20°	1245.7	1292.3	1600.4	2339.8	3350.7	4313.2	5154.2	5452.3
1185.7	22.5°	1185.7	1197.4	1309.0	1948.4	3177.5	4294.9	5212.5	5518.9
1137.4	25°	1137.4	1140.8	1170.7	1543.8	2912.7	4283.2	5302.4	5610.5
1087.5	27.5°	1089.1	1089.1	1105.8	1244.0	2553.0	4233.3	5419.0	5720.4
1037.5	30°	1040.8	1040.8	1052.5	1100.8	2131.6	4135.0	5558.9	5863.6
987.5	32.5°	990.9	990.9	1000.9	1035.8	1702.0	4011.8	5687.1	6008.5
935.9	35°	940.9	937.6	950.9	987.5	1353.9	3855.3	5815.4	6165.1
884.3	37.5°	887.6	886.0	899.3	940.9	1169.1	3673.7	5911.9	6378.2
832.7	40°	831.0	831.0	846.0	891.0	1115.8	3445.6	6065.2	6684.7
779.4	42.5°	779.4	776.0	792.7	847.7	1075.8	3227.4	6339.9	7131.0
731.1	45°	729.4	722.8	737.7	806.0	1005.9	3150.8	6852.9	7790.4
684.5	47.5°	682.8	666.1	679.5	756.1	942.6	3437.3	7692.2	8704.7
642.8	50°	644.5	612.8	624.5	706.1	894.3	4058.4	8781.3	9918.7
604.5	52.5°	604.5	562.9	569.5	644.5	851.0	4649.6	9962.0	11520.8
566.2	55°	562.9	516.3	519.6	582.9	789.4	4737.9	11114.5	13705.7
522.9	57.5°	516.3	473.0	473.0	526.2	744.4	4106.7	12000.4	16416.9
469.6	60°	464.6	436.3	428.0	481.3	784.4	2897.7	12103.7	18165.5
401.3	62.5°	408.0	393.0	381.4	438.0	814.3	1717.0	11272.7	17742.5
316.4	65°	343.1	339.7	331.4	481.3	686.1	1014.2	9677.3	16445.2
269.8	67.5°	288.1	283.1	283.1	504.6	521.3	637.8	7560.6	14660.0
229.8	70°	248.1	229.8	229.8	381.4	316.4	441.3	5279.1	12733.2
189.8	72.5°	208.2	188.2	174.9	304.8	236.5	323.1	3299.0	10904.6
144.9	75°	166.5	151.5	134.9	201.5	176.5	244.8	1916.8	9034.4
91.6	77.5°	119.9	113.2	94.9	148.2	128.2	176.5	1140.8	6971.1
56.6	80°	61.6	63.3	60.0	84.9	86.6	119.9	649.5	4771.2
36.6	82.5°	36.6	28.3	31.6	41.6	50.0	68.3	244.8	2804.4
26.6	85°	23.3	15.0	15.0	20.0	25.0	26.6	74.9	1137.4
13.3	87.5°	11.7	5.0	6.7	10.0	8.3	6.7	3.3	286.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)