

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: P952672

Luminaire Tested: **GALN-SB6B-950-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952672  
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-SB6B-950-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

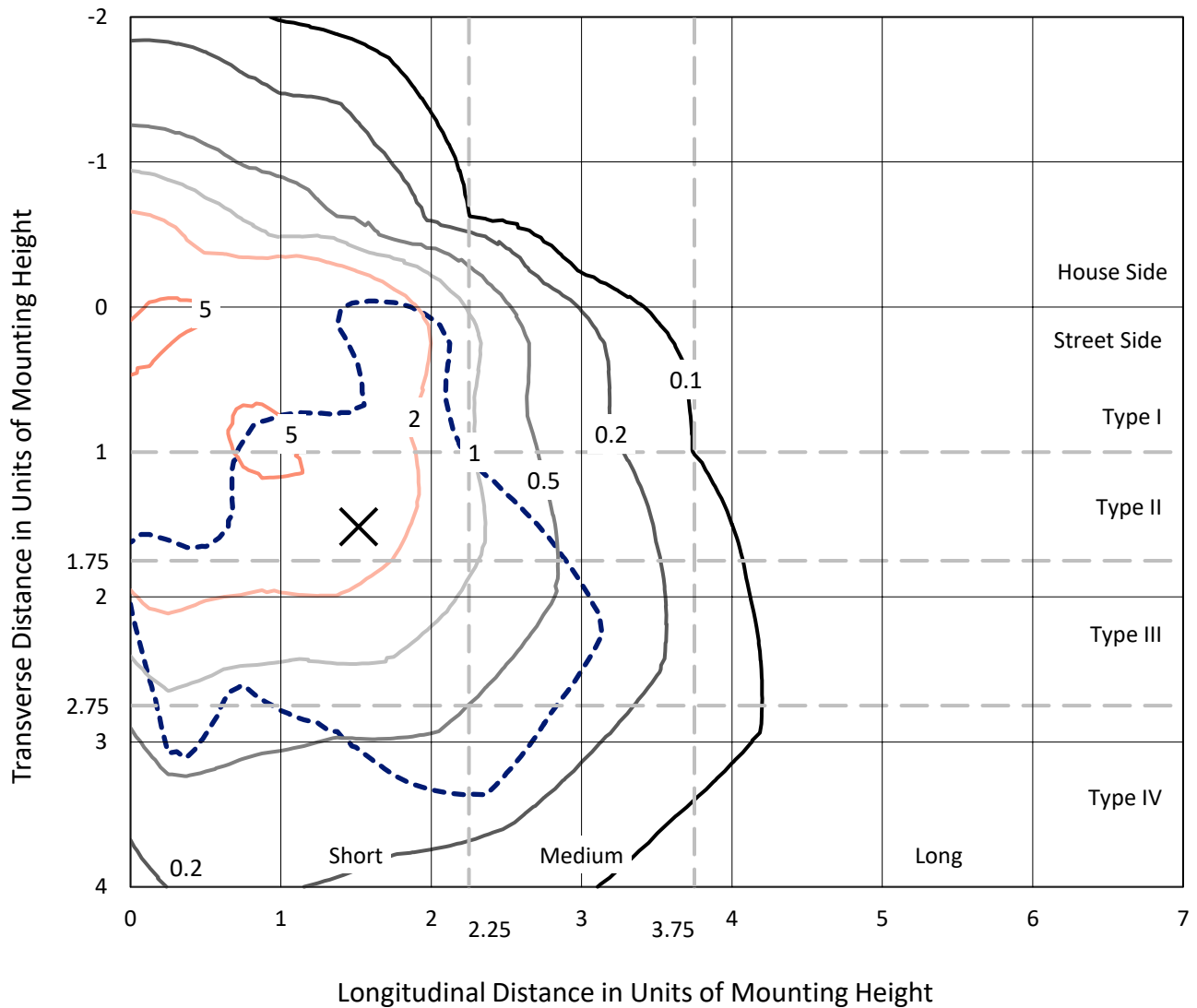
Lumens per Lamp: N/A  
Luminaire Lumens: 18129 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

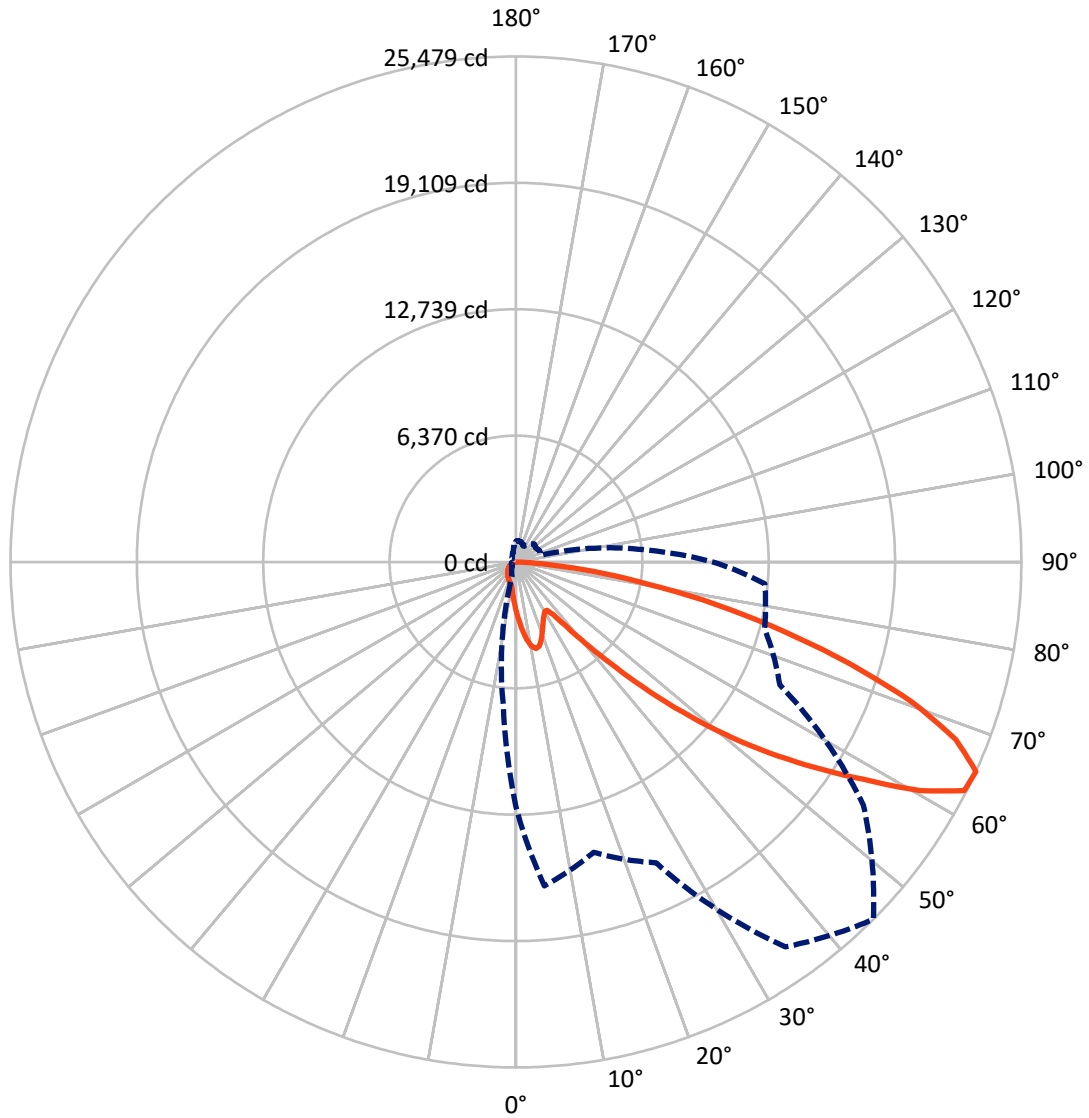
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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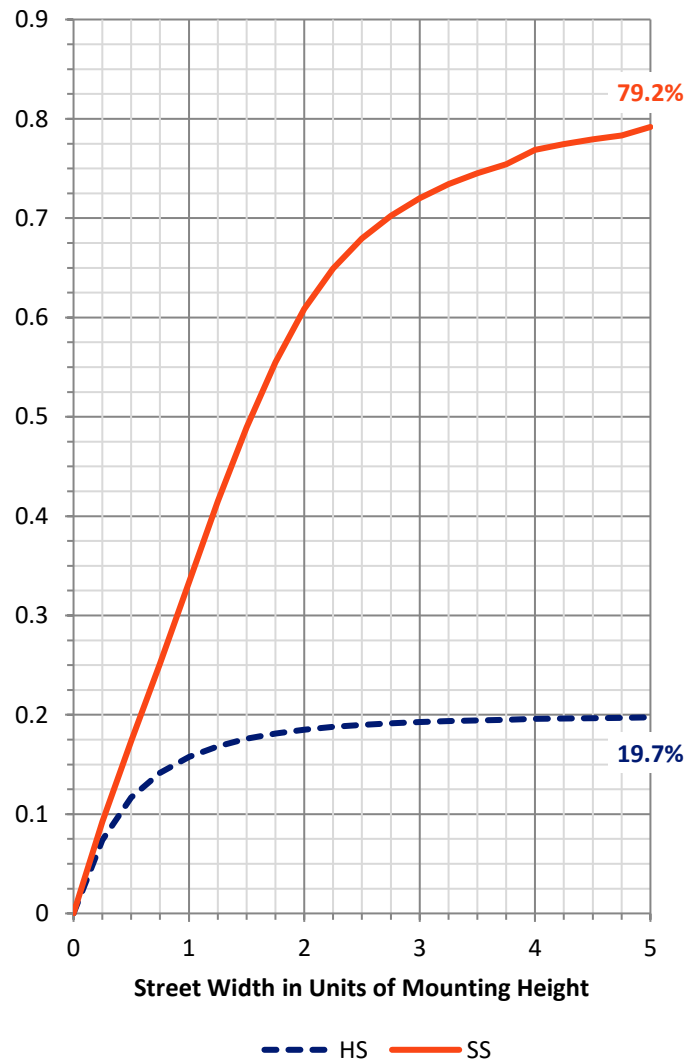
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3603.5	0.0	3603.5
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	14525.5	0.0	14525.5
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	18129.0	0.0	18129.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.1	1.4
10°-20°	740.9	4.1
20°-30°	1091.5	6.0
30°-40°	1402.2	7.7
40°-50°	2267.8	12.5
50°-60°	3976.8	21.9
60°-70°	4976.1	27.4
70°-80°	2907.8	16.0
80°-90°	518.8	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°	18129.0	100.0
0°-180°	18129.0	100.0

**Coefficient of Utilization**



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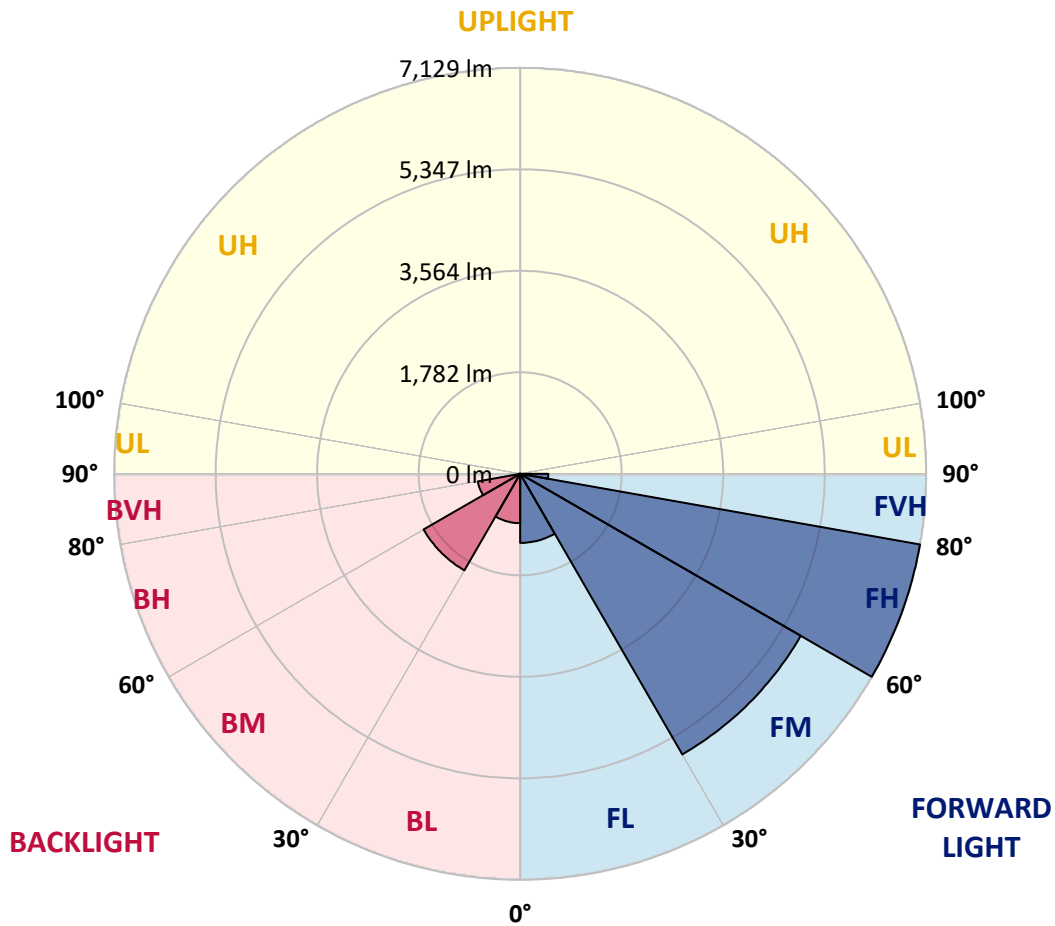
CATALOG NUMBER: GALN-SB6B-950-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1213.0	6.7			
FM (30°-60°)	5689.1	31.4			
FH (60°-80°)	7128.9	39.3			G3/7500
FVH (80°-90°)	494.5	2.7			G3/500
BL (0°-30°)	866.4	4.8	B2/1000		
BM (30°-60°)	1957.7	10.8	B2/2500		
BH (60°-80°)	755.0	4.2	B2/1000		G2/1000
BVH (80°-90°)	24.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3
2.5°	2812.5	2833.8	2881.2	2906.2	2944.9	2947.4	2947.4	2913.7	2912.4	2843.7
5°	3143.5	3193.4	3305.8	3422.0	3447.0	3453.2	3440.7	3373.3	3323.3	3189.7
7.5°	3471.9	3568.1	3739.2	3894.1	3944.0	3944.0	3914.0	3804.1	3701.7	3508.2
10°	3744.2	3865.3	4097.6	4271.2	4328.7	4316.2	4255.0	4116.4	3975.2	3740.5
12.5°	3924.0	4060.2	4314.9	4454.8	4513.5	4481.0	4411.1	4276.2	4127.6	3880.3
15°	4014.0	4156.3	4377.4	4451.1	4434.8	4401.1	4392.4	4327.4	4215.0	3984.0
17.5°	4052.7	4185.1	4338.7	4292.5	4155.1	4128.9	4216.3	4298.7	4271.2	4073.9
20°	4088.9	4200.0	4246.3	4041.4	3801.6	3777.9	3945.3	4180.1	4300.0	4157.6
22.5°	4138.9	4207.5	4112.6	3776.7	3518.1	3463.2	3648.0	4001.5	4308.7	4263.7
25°	4207.5	4226.3	3965.3	3525.6	3265.9	3210.9	3383.3	3802.9	4293.7	4378.6
27.5°	4290.0	4251.3	3824.1	3315.8	3064.8	3013.6	3185.9	3611.8	4251.3	4493.5
30°	4397.4	4283.7	3684.3	3153.5	2921.2	2883.7	3049.8	3447.0	4198.8	4639.7
32.5°	4506.0	4297.5	3554.4	3058.6	2888.7	2902.4	3038.6	3358.3	4141.3	4779.5
35°	4623.4	4341.2	3490.7	3152.2	3159.7	3279.6	3335.8	3440.7	4132.6	4969.4
37.5°	4783.3	4438.6	3566.9	3618.1	3877.8	4126.4	4080.2	3844.1	4233.8	5252.9
40°	5013.1	4609.7	3899.1	4411.1	4944.4	5347.8	5171.7	4577.2	4543.5	5661.3
42.5°	5347.8	4881.9	4488.5	5380.3	6284.5	6948.9	6476.8	5522.6	5085.5	6244.5
45°	5842.3	5322.8	5201.7	6403.1	7936.8	8983.3	8001.7	6530.5	5844.8	7127.5
47.5°	6528.0	5971.0	5869.8	7480.9	9945.0	11298.8	9692.7	7464.7	6709.1	8331.4
50°	7438.4	6844.0	6503.0	8659.9	12146.8	13659.2	11382.5	8366.4	7699.5	9802.6
52.5°	8639.9	8061.6	7241.1	9782.6	14411.0	15969.7	13079.7	9158.2	8928.4	11509.9
55°	10278.4	9893.8	8250.2	10854.2	16674.0	18293.9	14710.8	9905.0	10551.9	13538.1
57.5°	12311.6	12586.4	9705.2	12096.8	18708.5	20689.3	16349.3	10949.1	12660.1	15806.1
60°	13623.0	16167.0	12491.5	13934.0	21020.2	23398.1	18594.9	12934.8	14875.6	16619.1
62.5°	13305.8	17306.0	15828.5	16279.4	23145.8	25367.6	20795.4	14929.3	15292.8	15421.4
65°	12332.9	16386.8	15147.9	16735.2	23684.1	25478.8	21383.6	14672.1	12972.3	12590.1
67.5°	10994.1	15296.5	13530.6	15526.3	22711.2	23925.2	20288.4	12978.6	10024.9	9447.9
70°	9549.1	14090.1	12469.0	14170.0	20856.6	21217.5	18426.3	11414.9	7373.5	6380.6
72.5°	8177.8	12833.7	11742.1	12780.0	18382.5	17635.7	16002.1	10032.4	5369.0	4602.2
75°	6775.3	10980.3	10706.8	11128.9	15129.2	13891.5	13295.8	8306.4	4213.8	3329.6
77.5°	5227.9	8579.9	9209.4	8912.1	10649.4	10318.4	10305.9	6242.0	3078.5	2221.8
80°	3578.1	5979.7	7194.9	6287.0	6911.4	6742.8	7761.9	4187.6	2233.0	1337.6
82.5°	2103.1	3640.5	5008.1	3043.6	3821.6	3922.8	4622.2	2037.0	1313.8	308.5
85°	853.0	1437.5	1958.3	1191.4	1843.4	1554.9	1754.7	572.0	365.9	7.5
87.5°	214.8	459.6	322.2	133.6	213.6	196.1	154.9	69.9	15.0	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°
2510.3	0°	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3
2836.2	2.5°	2787.5	2758.8	2687.6	2616.4	2559.0	2481.6	2430.4	2369.2	2310.5	2258.0
3161.0	5°	3082.3	2987.4	2857.5	2738.8	2617.7	2500.3	2384.1	2261.8	2149.4	2080.7
3435.7	7.5°	3322.1	3154.7	2982.4	2831.3	2685.1	2547.8	2394.1	2245.5	2069.4	1975.8
3645.5	10°	3500.7	3280.9	3054.8	2881.2	2733.8	2600.2	2470.3	2320.5	2108.1	1990.7
3772.9	12.5°	3618.1	3357.0	3092.3	2893.7	2728.8	2625.2	2567.7	2509.0	2298.0	2160.6
3866.6	15°	3699.2	3410.7	3118.5	2865.0	2662.7	2586.5	2643.9	2711.4	2576.5	2417.9
3964.0	17.5°	3787.9	3480.7	3129.7	2787.5	2534.0	2501.5	2650.2	2806.3	2800.0	2642.7
4056.4	20°	3881.6	3541.9	3122.2	2662.7	2377.9	2406.6	2596.5	2777.6	2853.7	2768.8
4162.6	22.5°	3977.7	3600.6	3093.5	2500.3	2231.8	2321.7	2511.5	2670.1	2760.1	2733.8
4292.5	25°	4098.9	3683.0	3051.1	2325.4	2110.6	2235.5	2412.9	2541.5	2604.0	2602.7
4432.3	27.5°	4243.8	3792.9	3028.6	2184.3	2024.5	2138.1	2295.5	2410.4	2454.1	2454.1
4605.9	30°	4412.4	3922.8	3003.6	2091.9	1974.5	2037.0	2159.3	2271.7	2315.5	2315.5
4795.8	32.5°	4599.7	4047.7	2943.7	2035.7	1937.0	1938.3	2015.7	2118.1	2170.6	2178.1
5033.1	35°	4824.5	4181.3	2812.5	1990.7	1893.3	1842.1	1879.6	1964.5	2027.0	2043.2
5371.5	37.5°	5119.2	4344.9	2625.2	1924.6	1825.9	1741.0	1749.7	1814.6	1883.3	1908.3
5838.6	40°	5515.1	4537.2	2430.4	1829.6	1731.0	1629.8	1626.1	1673.5	1741.0	1768.4
6470.5	42.5°	6038.4	4768.3	2244.3	1738.5	1616.1	1512.4	1506.2	1543.6	1602.3	1631.1
7304.8	45°	6707.8	5051.8	2084.4	1667.3	1503.7	1401.3	1398.8	1430.0	1481.2	1511.2
8372.6	47.5°	7638.3	5335.3	1975.8	1629.8	1415.0	1310.1	1315.1	1342.6	1388.8	1410.0
9755.1	50°	8850.9	5421.5	1920.8	1629.8	1367.5	1228.9	1253.9	1276.4	1311.3	1323.8
11412.4	52.5°	10014.9	5136.7	1870.9	1639.8	1373.8	1160.2	1213.9	1230.2	1260.1	1265.1
12948.6	55°	10585.7	4416.1	1802.2	1642.3	1412.5	1101.5	1181.5	1211.4	1222.7	1221.4
13840.3	57.5°	10389.6	3570.6	1686.0	1632.3	1438.7	1064.1	1141.5	1198.9	1206.4	1195.2
13670.4	60°	9701.4	2628.9	1597.3	1558.6	1428.7	1052.8	1080.3	1171.5	1182.7	1167.7
12361.6	62.5°	8547.5	1824.6	1528.7	1396.3	1385.0	1049.1	984.1	1111.5	1139.0	1117.8
9936.2	65°	6729.1	1288.9	1316.3	1223.9	1290.1	1029.1	884.2	1039.1	1076.6	1044.1
7208.6	67.5°	4553.5	930.4	1066.6	1109.0	1136.5	984.1	811.8	956.7	1006.6	964.1
4625.9	70°	2459.1	653.2	704.4	934.2	965.4	906.7	746.8	873.0	930.4	884.2
3288.4	72.5°	1452.5	469.6	493.3	750.6	804.3	798.0	674.4	775.6	845.5	790.6
2269.2	75°	800.5	317.2	352.2	544.5	653.2	615.7	579.5	656.9	728.1	674.4
1422.5	77.5°	358.4	189.8	244.8	357.2	513.3	422.1	448.4	512.0	578.2	522.0
791.8	80°	138.6	106.2	162.4	194.8	373.4	233.5	288.5	377.2	424.6	379.7
172.3	82.5°	17.5	47.5	69.9	76.2	217.3	123.6	167.4	237.3	233.5	202.3
0.0	85°	0.0	8.7	10.0	5.0	93.7	45.0	55.0	77.4	72.4	55.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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°
2510.3	0°	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3
2248.0	2.5°	2186.8	2141.9	2119.4	2100.6	2118.1	2128.1	2128.1	2170.6	2195.6	2205.6
2037.0	5°	1927.1	1843.4	1787.2	1753.5	1764.7	1777.2	1790.9	1844.6	1880.8	1904.6
1890.8	7.5°	1722.2	1594.8	1516.2	1474.9	1481.2	1489.9	1501.2	1553.6	1589.8	1621.1
1863.4	10°	1621.1	1441.2	1337.6	1287.6	1278.9	1273.9	1270.1	1301.4	1328.8	1353.8
1975.8	12.5°	1626.1	1375.0	1248.9	1187.7	1161.5	1131.5	1107.8	1112.8	1130.3	1161.5
2176.8	15°	1689.8	1353.8	1202.7	1126.5	1082.8	1047.8	1019.1	1012.9	1019.1	1024.1
2406.6	17.5°	1775.9	1351.3	1162.7	1067.8	1022.8	994.1	967.9	959.2	960.4	966.6
2559.0	20°	1844.6	1343.8	1117.8	1011.6	971.6	946.7	920.4	911.7	914.2	915.4
2574.0	22.5°	1880.8	1332.6	1067.8	955.4	921.7	896.7	873.0	871.7	871.7	879.2
2492.8	25°	1880.8	1308.8	1022.8	901.7	871.7	849.3	820.5	825.5	828.0	838.0
2366.7	27.5°	1835.9	1263.9	986.6	855.5	824.3	801.8	775.6	781.8	785.6	796.8
2241.8	30°	1778.4	1210.2	945.4	811.8	775.6	759.3	736.9	739.3	744.3	756.8
2125.6	32.5°	1717.2	1146.5	911.7	768.1	731.9	719.4	694.4	698.1	703.1	716.9
2010.7	35°	1649.8	1071.6	871.7	728.1	691.9	681.9	653.2	655.7	663.2	678.2
1887.1	37.5°	1578.6	1010.4	831.8	689.4	651.9	641.9	612.0	614.5	623.2	640.7
1757.2	40°	1508.7	950.4	789.3	648.2	610.7	602.0	569.5	572.0	582.0	600.7
1626.1	42.5°	1432.5	904.2	734.4	605.7	565.8	557.0	527.0	530.8	542.0	560.8
1504.9	45°	1341.3	874.2	673.2	565.8	520.8	512.0	484.6	492.1	504.6	523.3
1401.3	47.5°	1247.6	861.7	622.0	523.3	474.6	467.1	444.6	457.1	470.8	485.8
1312.6	50°	1157.7	845.5	569.5	483.3	434.6	427.1	412.1	428.4	442.1	455.8
1248.9	52.5°	1055.3	810.5	522.0	448.4	400.9	398.4	390.9	405.9	418.4	430.9
1193.9	55°	949.2	754.3	480.8	417.1	372.2	374.7	370.9	383.4	393.4	404.6
1144.0	57.5°	856.7	683.1	448.4	383.4	347.2	354.7	349.7	355.9	362.2	375.9
1084.0	60°	763.1	598.2	412.1	343.4	322.2	331.0	317.2	316.0	318.5	322.2
995.4	62.5°	636.9	509.6	367.2	308.5	294.7	298.5	272.3	252.3	252.3	256.0
871.7	65°	512.0	427.1	317.2	268.5	257.3	254.8	217.3	189.8	187.3	198.6
728.1	67.5°	420.9	354.7	267.3	223.6	216.1	218.6	191.1	163.6	161.1	173.6
593.2	70°	348.4	286.0	213.6	172.3	179.8	191.1	163.6	137.4	133.6	144.9
482.1	72.5°	277.3	223.6	163.6	127.4	148.6	162.4	133.6	108.7	106.2	116.1
372.2	75°	203.6	159.9	111.2	92.4	114.9	127.4	97.4	77.4	73.7	82.4
248.5	77.5°	126.1	89.9	69.9	55.0	78.7	84.9	51.2	45.0	43.7	50.0
151.1	80°	58.7	38.7	33.7	18.7	28.7	33.7	21.2	23.7	25.0	30.0
76.2	82.5°	16.2	6.2	1.2	0.0	0.0	10.0	5.0	10.0	12.5	18.7
6.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2	11.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
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°
2510.3	0°	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3	2510.3
2275.5	2.5°	2327.9	2377.9	2457.8	2540.3	2621.4	2703.9	2783.8	2812.5
2013.2	5°	2111.9	2226.8	2385.4	2555.2	2730.1	2907.4	3069.8	3143.5
1742.2	7.5°	1870.9	2035.7	2274.2	2540.3	2818.8	3097.3	3353.3	3471.9
1473.7	10°	1613.6	1822.1	2094.4	2454.1	2853.7	3238.4	3590.6	3744.2
1237.7	12.5°	1368.8	1587.4	1888.3	2319.2	2826.3	3319.6	3742.9	3924.0
1071.6	15°	1164.0	1357.6	1682.3	2159.3	2737.6	3324.6	3815.4	4014.0
979.1	17.5°	1010.4	1136.5	1472.5	1982.0	2621.4	3278.4	3840.4	4052.7
929.2	20°	934.2	969.1	1200.2	1754.7	2512.8	3234.6	3865.3	4088.9
889.2	22.5°	889.2	898.0	981.6	1461.2	2382.9	3220.9	3909.1	4138.9
853.0	25°	853.0	855.5	878.0	1157.7	2184.3	3212.2	3976.5	4207.5
815.5	27.5°	816.8	816.8	829.3	932.9	1914.6	3174.7	4063.9	4290.0
778.1	30°	780.6	780.6	789.3	825.5	1598.6	3101.0	4168.8	4397.4
740.6	32.5°	743.1	743.1	750.6	776.8	1276.4	3008.6	4265.0	4506.0
701.9	35°	705.6	703.1	713.1	740.6	1015.4	2891.2	4361.2	4623.4
663.2	37.5°	665.7	664.4	674.4	705.6	876.7	2755.1	4433.6	4783.3
624.4	40°	623.2	623.2	634.4	668.2	836.8	2584.0	4548.5	5013.1
584.5	42.5°	584.5	582.0	594.5	635.7	806.8	2420.4	4754.6	5347.8
548.3	45°	547.0	542.0	553.3	604.5	754.3	2362.9	5139.2	5842.3
513.3	47.5°	512.0	499.6	509.6	567.0	706.9	2577.7	5768.7	6528.0
482.1	50°	483.3	459.6	468.3	529.5	670.7	3043.6	6585.4	7438.4
453.4	52.5°	453.4	422.1	427.1	483.3	638.2	3486.9	7470.9	8639.9
424.6	55°	422.1	387.2	389.7	437.1	592.0	3553.1	8335.2	10278.4
392.2	57.5°	387.2	354.7	354.7	394.7	558.3	3079.8	8999.6	12311.6
352.2	60°	348.4	327.2	321.0	360.9	588.2	2173.1	9077.0	13623.0
301.0	62.5°	306.0	294.7	286.0	328.5	610.7	1287.6	8453.8	13305.8
237.3	65°	257.3	254.8	248.5	360.9	514.5	760.6	7257.4	12332.9
202.3	67.5°	216.1	212.3	212.3	378.4	390.9	478.3	5670.0	10994.1
172.3	70°	186.1	172.3	172.3	286.0	237.3	331.0	3959.0	9549.1
142.4	72.5°	156.1	141.1	131.1	228.5	177.3	242.3	2474.1	8177.8
108.7	75°	124.9	113.6	101.2	151.1	132.4	183.6	1437.5	6775.3
68.7	77.5°	89.9	84.9	71.2	111.2	96.2	132.4	855.5	5227.9
42.5	80°	46.2	47.5	45.0	63.7	64.9	89.9	487.1	3578.1
27.5	82.5°	27.5	21.2	23.7	31.2	37.5	51.2	183.6	2103.1
20.0	85°	17.5	11.2	11.2	15.0	18.7	20.0	56.2	853.0
10.0	87.5°	8.7	3.7	5.0	7.5	6.2	5.0	2.5	214.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)