

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: P948745

Luminaire Tested: **GALN-SB3C-950-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948745  
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-SB3C-950-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

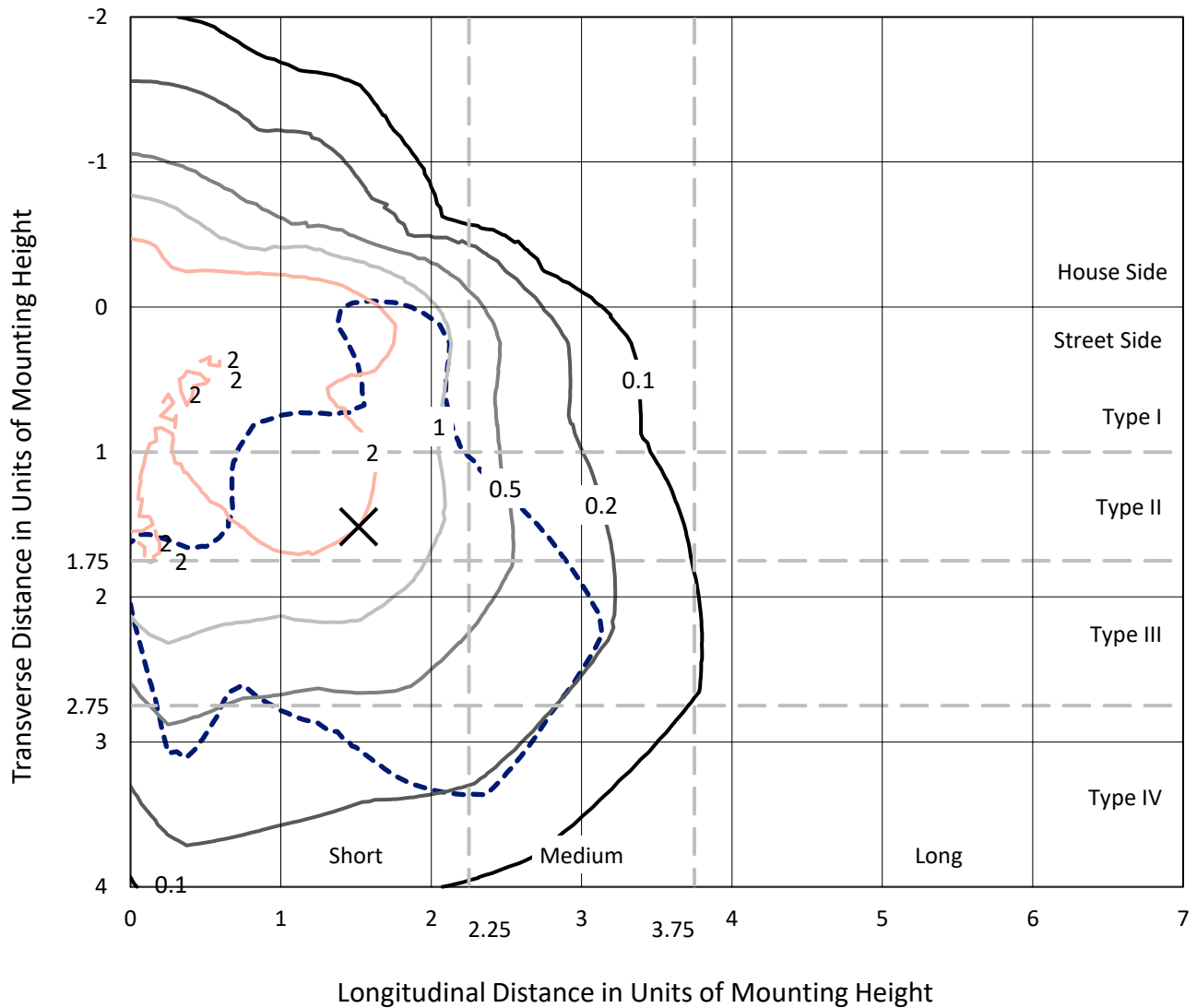
Lumens per Lamp: N/A  
Luminaire Lumens: 11930 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

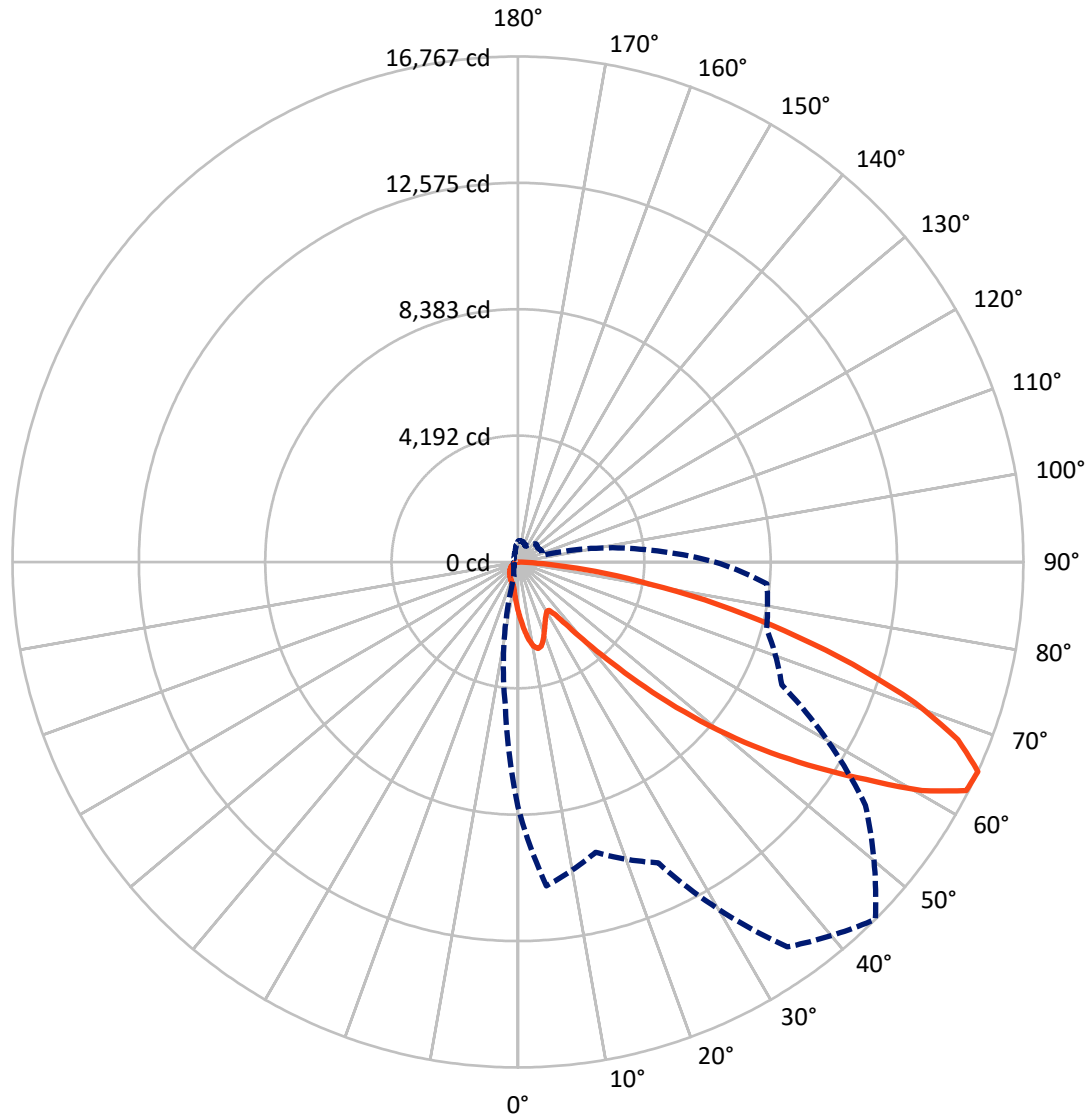
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	2371.3	0.0	2371.3
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	9558.7	0.0	9558.7
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	11930.0	0.0	11930.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.6	1.4
10°-20°	487.5	4.1
20°-30°	718.2	6.0
30°-40°	922.7	7.7
40°-50°	1492.4	12.5
50°-60°	2617.0	21.9
60°-70°	3274.6	27.4
70°-80°	1913.5	16.0
80°-90°	341.4	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°	11930.0	100.0
0°-180°	11930.0	100.0

**Coefficient of Utilization**



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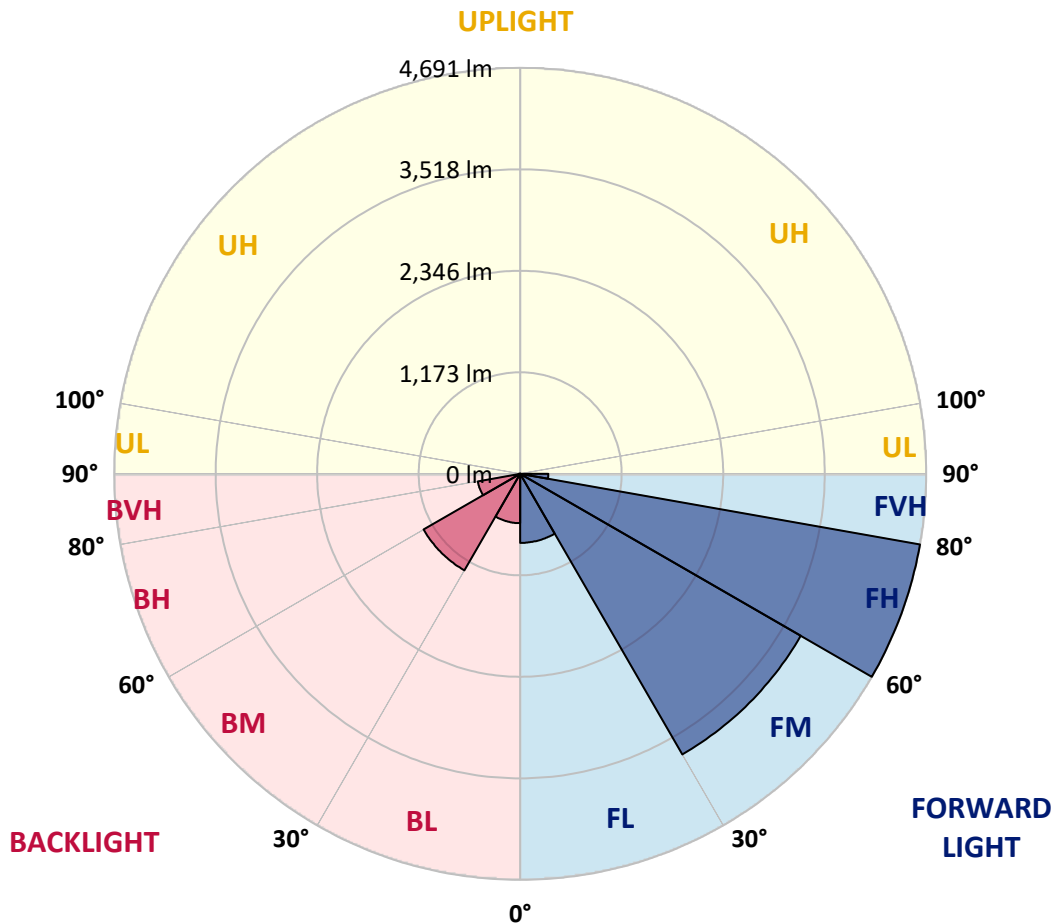
CATALOG NUMBER: GALN-SB3C-950-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.3	6.7			
FM (30°-60°)	3743.8	31.4			
FH (60°-80°)	4691.2	39.3			G2/5000
FVH (80°-90°)	325.4	2.7			G3/500
BL (0°-30°)	570.2	4.8	B2/1000		
BM (30°-60°)	1288.3	10.8	B2/2500		
BH (60°-80°)	496.8	4.2	B1/500		G1/500
BVH (80°-90°)	16.0	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°	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9
2.5°	1850.8	1864.8	1896.0	1912.5	1937.9	1939.6	1939.6	1917.4	1916.6	1871.4
5°	2068.6	2101.5	2175.4	2251.9	2268.3	2272.4	2264.2	2219.8	2186.9	2099.0
7.5°	2284.7	2348.0	2460.6	2562.5	2595.4	2595.4	2575.7	2503.4	2436.0	2308.6
10°	2463.9	2543.6	2696.5	2810.7	2848.5	2840.3	2800.1	2708.8	2616.0	2461.4
12.5°	2582.3	2671.8	2839.5	2931.5	2970.2	2948.8	2902.8	2814.0	2716.2	2553.5
15°	2641.4	2735.1	2880.6	2929.1	2918.4	2896.2	2890.5	2847.7	2773.8	2621.7
17.5°	2666.9	2754.0	2855.1	2824.7	2734.3	2717.0	2774.6	2828.8	2810.7	2680.9
20°	2690.7	2763.9	2794.3	2659.5	2501.7	2486.1	2596.2	2750.7	2829.6	2735.9
22.5°	2723.6	2768.8	2706.4	2485.3	2315.2	2279.0	2400.6	2633.2	2835.4	2805.8
25°	2768.8	2781.1	2609.4	2320.1	2149.1	2113.0	2226.4	2502.5	2825.5	2881.4
27.5°	2823.1	2797.6	2516.5	2182.0	2016.8	1983.1	2096.5	2376.8	2797.6	2957.0
30°	2893.7	2819.0	2424.5	2075.2	1922.3	1897.7	2007.0	2268.3	2763.1	3053.2
32.5°	2965.2	2828.0	2339.0	2012.7	1900.9	1910.0	1999.6	2210.0	2725.3	3145.2
35°	3042.5	2856.8	2297.1	2074.4	2079.3	2158.2	2195.2	2264.2	2719.5	3270.2
37.5°	3147.7	2920.9	2347.2	2380.9	2551.9	2715.4	2685.0	2529.7	2786.1	3456.7
40°	3298.9	3033.5	2565.8	2902.8	3253.7	3519.2	3403.3	3012.1	2989.9	3725.5
42.5°	3519.2	3212.6	2953.7	3540.5	4135.6	4572.8	4262.1	3634.2	3346.6	4109.3
45°	3844.6	3502.7	3423.0	4213.6	5222.9	5911.6	5265.6	4297.5	3846.3	4690.3
47.5°	4295.8	3929.3	3862.7	4922.9	6544.4	7435.3	6378.4	4912.2	4415.0	5482.6
50°	4895.0	4503.8	4279.4	5698.7	7993.3	8988.6	7490.4	5505.6	5066.7	6450.7
52.5°	5685.6	5305.1	4765.1	6437.6	9483.4	10509.0	8607.3	6026.6	5875.4	7574.2
55°	6763.8	6510.7	5429.2	7142.7	10972.6	12038.5	9680.6	6518.1	6943.8	8908.9
57.5°	8101.8	8282.6	6386.6	7960.5	12311.3	13614.8	10758.9	7205.2	8331.1	10401.4
60°	8964.8	10638.9	8220.2	9169.4	13832.6	15397.4	12236.6	8511.9	9789.1	10936.4
62.5°	8756.0	11388.4	10416.2	10712.8	15231.4	16693.5	13684.7	9824.4	10063.6	10148.2
65°	8115.8	10783.5	9968.2	11012.8	15585.6	16766.6	14071.8	9655.1	8536.6	8285.1
67.5°	7234.8	10066.0	8903.9	10217.3	14945.4	15744.2	13351.0	8540.7	6597.0	6217.3
70°	6283.9	9272.1	8205.4	9324.7	13724.9	13962.4	12125.6	7511.7	4852.2	4198.8
72.5°	5381.5	8445.4	7727.1	8410.0	12096.8	11605.4	10530.4	6601.9	3533.1	3028.5
75°	4458.5	7225.7	7045.7	7323.5	9955.9	9141.5	8749.4	5466.1	2772.9	2191.1
77.5°	3440.3	5646.1	6060.3	5864.7	7007.9	6790.1	6781.9	4107.6	2025.9	1462.1
80°	2354.6	3935.0	4734.7	4137.2	4548.1	4437.2	5107.8	2755.7	1469.5	880.2
82.5°	1384.0	2395.7	3295.6	2002.9	2514.9	2581.4	3041.7	1340.4	864.6	203.0
85°	561.3	946.0	1288.7	784.0	1213.1	1023.2	1154.7	376.4	240.8	4.9
87.5°	141.4	302.4	212.0	87.9	140.5	129.0	101.9	46.0	9.9	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°
1651.9	0°	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9
1866.4	2.5°	1834.4	1815.5	1768.6	1721.8	1684.0	1633.0	1599.3	1559.1	1520.4	1485.9
2080.1	5°	2028.3	1965.9	1880.4	1802.3	1722.6	1645.3	1568.9	1488.4	1414.4	1369.2
2260.9	7.5°	2186.1	2076.0	1962.6	1863.1	1767.0	1676.6	1575.5	1477.7	1361.8	1300.2
2399.0	10°	2303.7	2159.0	2010.3	1896.0	1799.0	1711.1	1625.6	1527.0	1387.3	1310.0
2482.8	12.5°	2380.9	2209.1	2034.9	1904.2	1795.7	1727.5	1689.7	1651.1	1512.2	1421.8
2544.5	15°	2434.3	2244.5	2052.2	1885.3	1752.2	1702.1	1739.9	1784.2	1695.5	1591.1
2608.6	17.5°	2492.7	2290.5	2059.6	1834.4	1667.5	1646.2	1744.0	1846.7	1842.6	1739.0
2669.4	20°	2554.3	2330.8	2054.6	1752.2	1564.8	1583.7	1708.6	1827.8	1877.9	1822.0
2739.2	22.5°	2617.6	2369.4	2035.7	1645.3	1468.7	1527.8	1652.7	1757.1	1816.3	1799.0
2824.7	25°	2697.3	2423.6	2007.8	1530.3	1388.9	1471.1	1587.8	1672.5	1713.6	1712.7
2916.8	27.5°	2792.7	2496.0	1993.0	1437.4	1332.2	1407.0	1510.6	1586.2	1614.9	1614.9
3031.0	30°	2903.6	2581.4	1976.6	1376.6	1299.3	1340.4	1421.0	1494.9	1523.7	1523.7
3155.9	32.5°	3026.9	2663.6	1937.1	1339.6	1274.7	1275.5	1326.5	1393.9	1428.4	1433.3
3312.1	35°	3174.8	2751.6	1850.8	1310.0	1245.9	1212.2	1236.9	1292.8	1333.9	1344.6
3534.8	37.5°	3368.8	2859.2	1727.5	1266.5	1201.5	1145.7	1151.4	1194.2	1239.4	1255.8
3842.2	40°	3629.3	2985.8	1599.3	1204.0	1139.1	1072.5	1070.1	1101.3	1145.7	1163.7
4258.0	42.5°	3973.7	3137.8	1476.9	1144.0	1063.5	995.3	991.2	1015.8	1054.4	1073.3
4807.0	45°	4414.2	3324.4	1371.7	1097.2	989.5	922.1	920.5	941.0	974.7	994.4
5509.7	47.5°	5026.4	3511.0	1300.2	1072.5	931.2	862.1	865.4	883.5	913.9	927.9
6419.5	50°	5824.5	3567.7	1264.0	1072.5	899.9	808.7	825.1	839.9	862.9	871.2
7510.1	52.5°	6590.4	3380.3	1231.1	1079.1	904.0	763.5	798.8	809.5	829.2	832.5
8521.0	55°	6966.0	2906.1	1185.9	1080.7	929.5	724.9	777.5	797.2	804.6	803.8
9107.8	57.5°	6837.0	2349.7	1109.5	1074.2	946.8	700.2	751.2	789.0	793.9	786.5
8996.0	60°	6384.1	1730.0	1051.1	1025.7	940.2	692.8	710.9	770.9	778.3	768.4
8134.7	62.5°	5624.8	1200.7	1005.9	918.8	911.4	690.4	647.6	731.4	749.5	735.6
6538.7	65°	4428.1	848.2	866.2	805.4	849.0	677.2	581.9	683.8	708.4	687.1
4743.7	67.5°	2996.5	612.3	701.9	729.8	747.9	647.6	534.2	629.5	662.4	634.5
3044.1	70°	1618.2	429.8	463.5	614.7	635.3	596.7	491.5	574.5	612.3	581.9
2163.9	72.5°	955.8	309.0	324.6	493.9	529.3	525.2	443.8	510.4	556.4	520.2
1493.3	75°	526.8	208.8	231.8	358.3	429.8	405.2	381.3	432.3	479.1	443.8
936.1	77.5°	235.9	124.9	161.1	235.0	337.8	277.8	295.0	337.0	380.5	343.5
521.1	80°	91.2	69.9	106.8	128.2	245.7	153.7	189.8	248.2	279.4	249.8
113.4	82.5°	11.5	31.2	46.0	50.1	143.0	81.4	110.1	156.2	153.7	133.1
0.0	85°	0.0	5.8	6.6	3.3	61.6	29.6	36.2	51.0	47.7	36.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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°
1651.9	0°	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9
1479.3	2.5°	1439.1	1409.5	1394.7	1382.4	1393.9	1400.4	1400.4	1428.4	1444.8	1451.4
1340.4	5°	1268.1	1213.1	1176.1	1153.9	1161.3	1169.5	1178.5	1213.9	1237.7	1253.3
1244.3	7.5°	1133.3	1049.5	997.7	970.6	974.7	980.5	987.9	1022.4	1046.2	1066.8
1226.2	10°	1066.8	948.4	880.2	847.3	841.6	838.3	835.8	856.4	874.5	890.9
1300.2	12.5°	1070.1	904.9	821.9	781.6	764.3	744.6	729.0	732.3	743.8	764.3
1432.5	15°	1112.0	890.9	791.4	741.3	712.5	689.5	670.6	666.5	670.6	673.9
1583.7	17.5°	1168.7	889.2	765.1	702.7	673.1	654.2	636.9	631.2	632.0	636.1
1684.0	20°	1213.9	884.3	735.6	665.7	639.4	623.0	605.7	600.0	601.6	602.4
1693.8	22.5°	1237.7	876.9	702.7	628.7	606.5	590.1	574.5	573.7	573.7	578.6
1640.4	25°	1237.7	861.3	673.1	593.4	573.7	558.9	540.0	543.2	544.9	551.5
1557.4	27.5°	1208.1	831.7	649.3	563.0	542.4	527.6	510.4	514.5	516.9	524.3
1475.2	30°	1170.3	796.4	622.1	534.2	510.4	499.7	484.9	486.5	489.8	498.0
1398.8	32.5°	1130.0	754.5	600.0	505.4	481.6	473.4	456.9	459.4	462.7	471.7
1323.2	35°	1085.7	705.1	573.7	479.1	455.3	448.7	429.8	431.5	436.4	446.3
1241.8	37.5°	1038.8	664.9	547.4	453.7	429.0	422.4	402.7	404.4	410.1	421.6
1156.3	40°	992.8	625.4	519.4	426.5	401.9	396.1	374.8	376.4	383.0	395.3
1070.1	42.5°	942.7	595.0	483.2	398.6	372.3	366.5	346.8	349.3	356.7	369.0
990.3	45°	882.7	575.3	443.0	372.3	342.7	337.0	318.9	323.8	332.0	344.4
922.1	47.5°	821.0	567.1	409.3	344.4	312.3	307.4	292.6	300.8	309.8	319.7
863.8	50°	761.9	556.4	374.8	318.1	286.0	281.1	271.2	281.9	290.9	300.0
821.9	52.5°	694.5	533.4	343.5	295.0	263.8	262.2	257.2	267.1	275.3	283.5
785.7	55°	624.6	496.4	316.4	274.5	244.9	246.6	244.1	252.3	258.9	266.3
752.8	57.5°	563.8	449.6	295.0	252.3	228.5	233.4	230.1	234.2	238.3	247.4
713.4	60°	502.2	393.7	271.2	226.0	212.0	217.8	208.8	207.9	209.6	212.0
655.0	62.5°	419.1	335.3	241.6	203.0	194.0	196.4	179.2	166.0	166.0	168.5
573.7	65°	337.0	281.1	208.8	176.7	169.3	167.7	143.0	124.9	123.3	130.7
479.1	67.5°	277.0	233.4	175.9	147.1	142.2	143.8	125.7	107.7	106.0	114.2
390.4	70°	229.3	188.2	140.5	113.4	118.3	125.7	107.7	90.4	87.9	95.3
317.2	72.5°	182.5	147.1	107.7	83.8	97.8	106.8	87.9	71.5	69.9	76.4
244.9	75°	134.0	105.2	73.1	60.8	75.6	83.8	64.1	51.0	48.5	54.2
163.5	77.5°	83.0	59.2	46.0	36.2	51.8	55.9	33.7	29.6	28.8	32.9
99.4	80°	38.6	25.5	22.2	12.3	18.9	22.2	14.0	15.6	16.4	19.7
50.1	82.5°	10.7	4.1	0.8	0.0	0.0	6.6	3.3	6.6	8.2	12.3
4.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.1	7.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
1651.9	0°	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9	1651.9
1497.4	2.5°	1531.9	1564.8	1617.4	1671.6	1725.1	1779.3	1831.9	1850.8
1324.8	5°	1389.8	1465.4	1569.7	1681.5	1796.6	1913.3	2020.1	2068.6
1146.5	7.5°	1231.1	1339.6	1496.6	1671.6	1854.9	2038.2	2206.7	2284.7
969.8	10°	1061.8	1199.1	1378.2	1614.9	1877.9	2131.1	2362.8	2463.9
814.5	12.5°	900.8	1044.6	1242.6	1526.2	1859.9	2184.5	2463.1	2582.3
705.1	15°	766.0	893.4	1107.0	1421.0	1801.5	2187.8	2510.8	2641.4
644.3	17.5°	664.9	747.9	969.0	1304.3	1725.1	2157.4	2527.2	2666.9
611.5	20°	614.7	637.8	789.8	1154.7	1653.6	2128.6	2543.6	2690.7
585.2	22.5°	585.2	590.9	646.0	961.6	1568.1	2119.6	2572.4	2723.6
561.3	25°	561.3	563.0	577.8	761.9	1437.4	2113.8	2616.8	2768.8
536.7	27.5°	537.5	537.5	545.7	613.9	1259.9	2089.1	2674.3	2823.1
512.0	30°	513.7	513.7	519.4	543.2	1052.0	2040.7	2743.3	2893.7
487.4	32.5°	489.0	489.0	493.9	511.2	839.9	1979.8	2806.6	2965.2
461.9	35°	464.3	462.7	469.3	487.4	668.2	1902.6	2869.9	3042.5
436.4	37.5°	438.0	437.2	443.8	464.3	576.9	1813.0	2917.6	3147.7
410.9	40°	410.1	410.1	417.5	439.7	550.6	1700.4	2993.2	3298.9
384.6	42.5°	384.6	383.0	391.2	418.3	530.9	1592.7	3128.8	3519.2
360.8	45°	360.0	356.7	364.1	397.8	496.4	1554.9	3381.9	3844.6
337.8	47.5°	337.0	328.7	335.3	373.1	465.2	1696.3	3796.1	4295.8
317.2	50°	318.1	302.4	308.2	348.5	441.3	2002.9	4333.6	4895.0
298.3	52.5°	298.3	277.8	281.1	318.1	420.0	2294.6	4916.3	5685.6
279.4	55°	277.8	254.8	256.4	287.6	389.6	2338.2	5485.0	6763.8
258.1	57.5°	254.8	233.4	233.4	259.7	367.4	2026.7	5922.3	8101.8
231.8	60°	229.3	215.3	211.2	237.5	387.1	1430.0	5973.2	8964.8
198.1	62.5°	201.4	194.0	188.2	216.1	401.9	847.3	5563.1	8756.0
156.2	65°	169.3	167.7	163.5	237.5	338.6	500.5	4775.8	8115.8
133.1	67.5°	142.2	139.7	139.7	249.0	257.2	314.8	3731.2	7234.8
113.4	70°	122.5	113.4	113.4	188.2	156.2	217.8	2605.3	6283.9
93.7	72.5°	102.7	92.9	86.3	150.4	116.7	159.4	1628.1	5381.5
71.5	75°	82.2	74.8	66.6	99.4	87.1	120.8	946.0	4458.5
45.2	77.5°	59.2	55.9	46.8	73.1	63.3	87.1	563.0	3440.3
27.9	80°	30.4	31.2	29.6	41.9	42.7	59.2	320.5	2354.6
18.1	82.5°	18.1	14.0	15.6	20.5	24.7	33.7	120.8	1384.0
13.1	85°	11.5	7.4	7.4	9.9	12.3	13.1	37.0	561.3
6.6	87.5°	5.8	2.5	3.3	4.9	4.1	3.3	1.6	141.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)