

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: P955885

Luminaire Tested: **GALN-SB8C-950-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955885  
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-SB8C-950-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

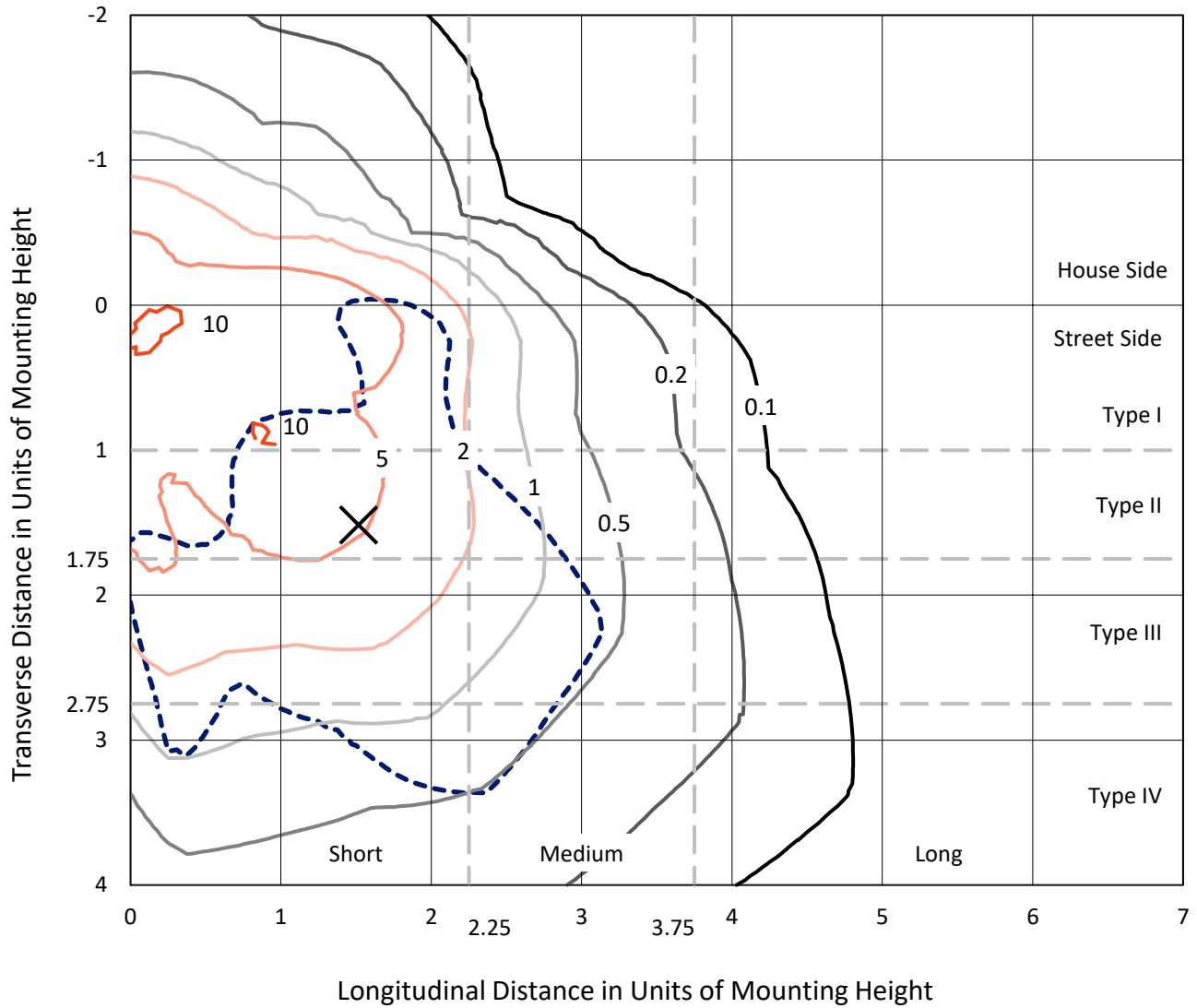
Lumens per Lamp: N/A  
Luminaire Lumens: 32151 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P955885  
 CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

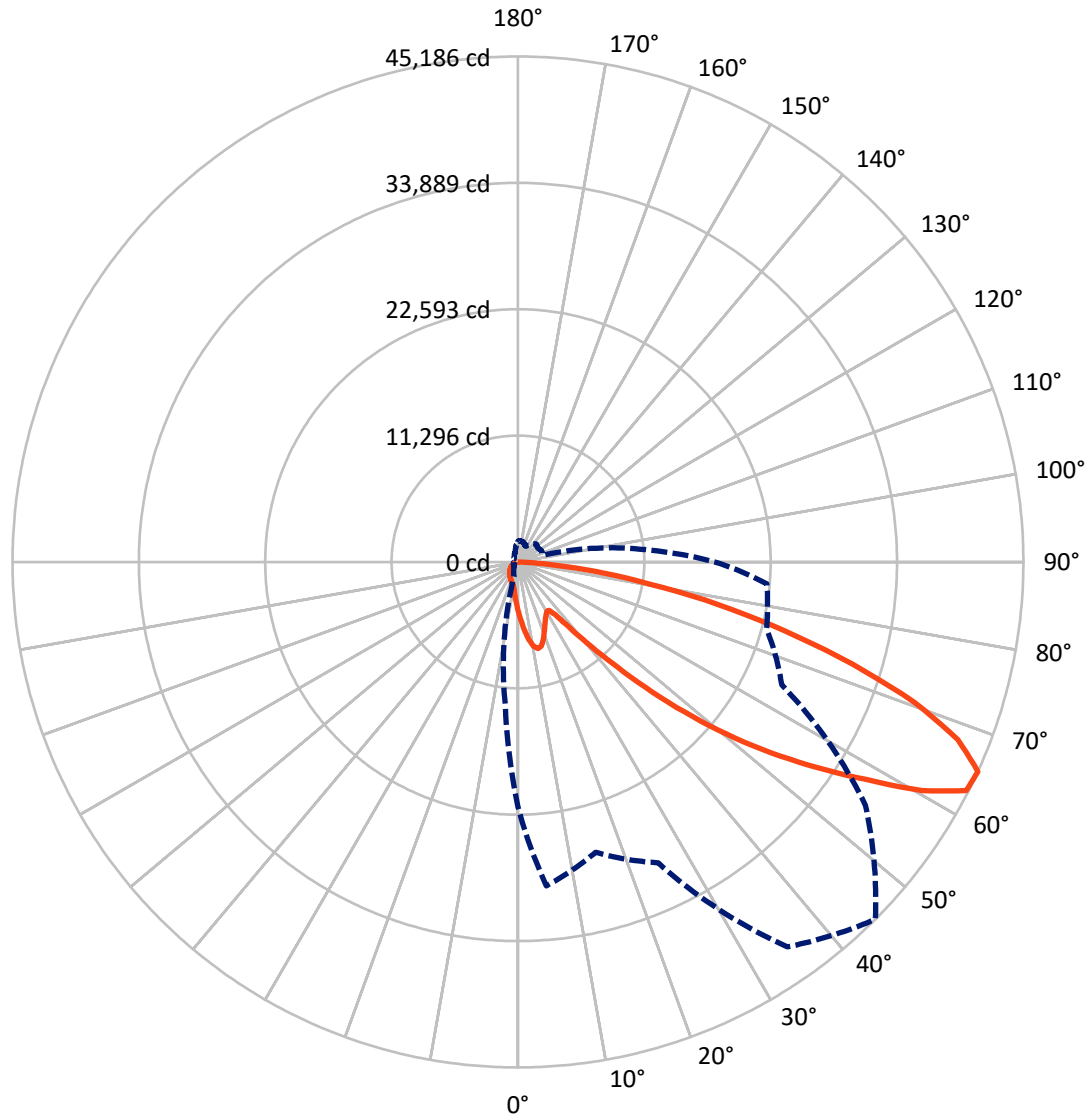
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P955885  
CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P955885  
 CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6390.6	0.0	6390.6
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	25760.4	0.0	25760.4
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	32151.0	0.0	32151.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.3	1.4
10°-20°	1313.9	4.1
20°-30°	1935.6	6.0
30°-40°	2486.8	7.7
40°-50°	4021.9	12.5
50°-60°	7052.7	21.9
60°-70°	8824.9	27.4
70°-80°	5156.9	16.0
80°-90°	920.1	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°	32151.0	100.0
0°-180°	32151.0	100.0



REPORT NUMBER: P955885

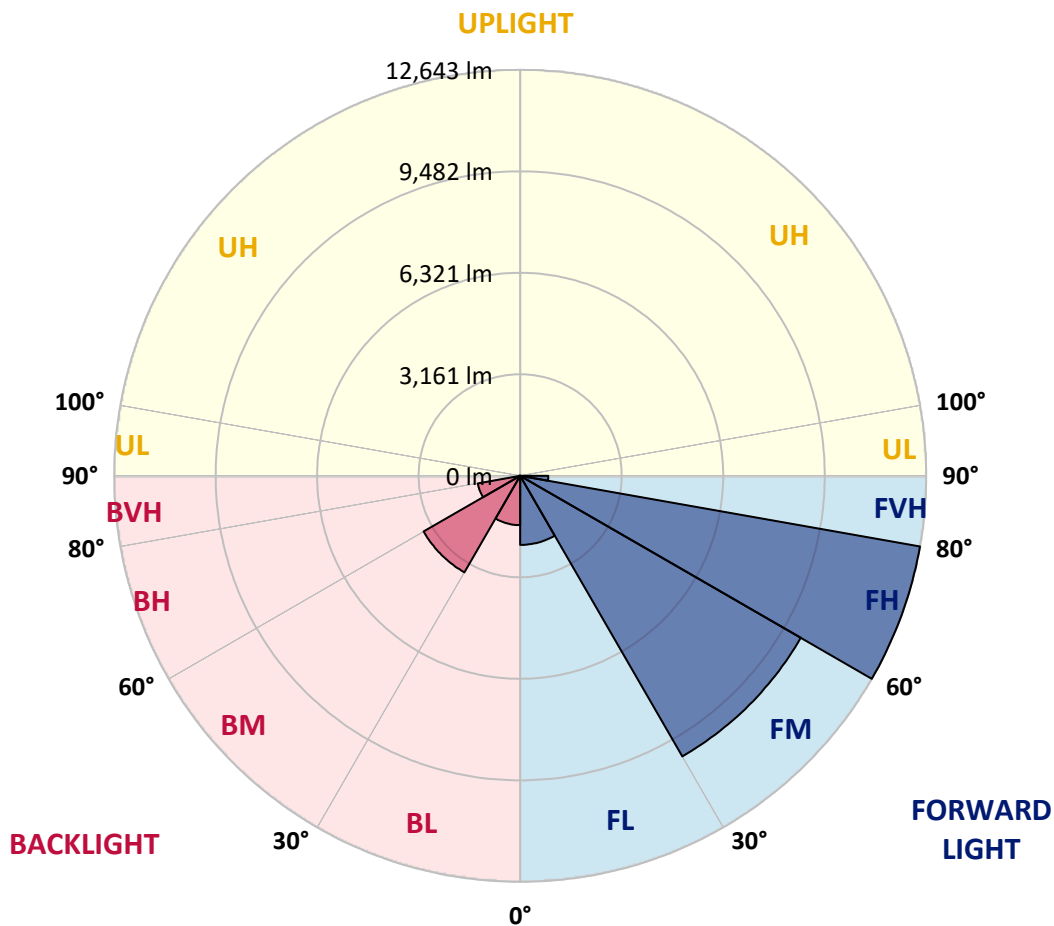
CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2151.3	6.7			
FM (30°-60°)	10089.4	31.4			
FH (60°-80°)	12642.8	39.3			G5
FVH (80°-90°)	876.9	2.7			G5
BL (0°-30°)	1536.6	4.8	B3/2500		
BM (30°-60°)	3472.0	10.8	B3/5000		
BH (60°-80°)	1339.0	4.2	B3/2500		G3/2500
BVH (80°-90°)	43.1	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



REPORT NUMBER: P955885  
 CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
2.5°	4987.9	5025.5	5109.7	5154.0	5222.7	5227.1	5227.1	5167.3	5165.1	5043.3
5°	5574.8	5663.4	5862.8	6068.7	6113.0	6124.1	6102.0	5982.4	5893.8	5656.8
7.5°	6157.3	6327.9	6631.3	6906.0	6994.6	6994.6	6941.4	6746.5	6564.9	6221.6
10°	6640.2	6855.0	7267.0	7574.8	7676.7	7654.6	7546.1	7300.2	7049.9	6633.5
12.5°	6959.1	7200.5	7652.4	7900.4	8004.5	7946.9	7822.9	7583.7	7320.1	6881.6
15°	7118.6	7371.1	7763.1	7893.8	7865.0	7805.2	7789.7	7674.5	7475.2	7065.4
17.5°	7187.2	7422.0	7694.5	7612.5	7368.9	7322.4	7477.4	7623.6	7574.8	7224.9
20°	7251.5	7448.6	7530.6	7167.3	6742.1	6700.0	6996.8	7413.2	7625.8	7373.3
22.5°	7340.1	7461.9	7293.6	6697.8	6239.3	6141.8	6469.6	7096.4	7641.3	7561.6
25°	7461.9	7495.1	7032.2	6252.6	5791.9	5694.4	6000.1	6744.3	7614.7	7765.3
27.5°	7608.1	7539.4	6781.9	5880.5	5435.3	5344.5	5650.1	6405.4	7539.4	7969.1
30°	7798.6	7597.0	6533.9	5592.5	5180.6	5114.1	5408.7	6113.0	7446.4	8228.2
32.5°	7991.2	7621.4	6303.5	5424.2	5123.0	5147.4	5388.8	5955.8	7344.5	8476.3
35°	8199.4	7698.9	6190.6	5590.3	5603.6	5816.2	5915.9	6102.0	7329.0	8813.0
37.5°	8482.9	7871.6	6325.7	6416.5	6877.2	7317.9	7236.0	6817.4	7508.4	9315.7
40°	8890.5	8175.1	6914.8	7822.9	8768.7	9484.1	9171.8	8117.5	8057.7	10040.0
42.5°	9484.1	8657.9	7960.2	9541.7	11145.2	12323.5	11486.3	9794.1	9018.9	11074.3
45°	10361.2	9439.8	9224.9	11355.6	14075.5	15931.5	14190.7	11581.5	10365.6	12640.3
47.5°	11577.1	10589.3	10409.9	13267.1	17637.0	20037.9	17189.6	13238.3	11898.3	14775.4
50°	13191.8	12137.5	11532.8	15357.9	21541.8	24224.0	20186.3	14837.4	13654.7	17384.5
52.5°	15322.5	14297.0	12841.8	17349.1	25557.4	28321.5	23196.3	16241.6	15834.1	20412.2
55°	18228.4	17546.2	14631.4	19249.4	29570.7	32443.4	26088.9	17566.1	18713.4	24009.2
57.5°	21834.2	22321.4	17211.7	21453.2	33178.7	36691.5	28994.8	19417.7	22452.1	28031.4
60°	24159.8	28671.5	22153.1	24711.3	37278.4	41495.6	32977.2	22939.4	26381.3	29473.2
62.5°	23597.2	30691.4	28071.2	28870.8	41048.1	44988.4	36879.8	26476.5	27121.1	27349.2
65°	21871.8	29061.3	26864.1	29679.2	42002.8	45185.5	37923.0	26020.3	23005.8	22328.1
67.5°	19497.5	27127.7	23995.9	27535.2	40277.4	42430.2	35980.5	23016.9	17778.7	16755.5
70°	16934.9	24988.1	22113.2	25129.9	36988.3	37628.4	32678.2	20243.9	13076.6	11315.8
72.5°	14503.0	22760.0	20824.2	22664.7	32600.6	31276.2	28379.1	17792.0	9521.7	8161.8
75°	12015.7	19473.1	18988.1	19736.7	26830.9	24636.0	23579.5	14731.1	7473.0	5904.8
77.5°	9271.4	15216.1	16332.4	15805.3	18886.2	18299.2	18277.1	11069.9	5459.6	3940.3
80°	6345.6	10604.8	12759.9	11149.6	12257.1	11958.1	13765.4	7426.5	3960.2	2372.1
82.5°	3729.8	6456.3	8881.6	5397.6	6777.5	6956.9	8197.2	3612.4	2330.0	547.1
85°	1512.8	2549.3	3472.9	2113.0	3269.1	2757.5	3111.9	1014.4	649.0	13.3
87.5°	381.0	815.1	571.4	237.0	378.7	347.7	274.6	124.0	26.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955885  
 CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4451.9	0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
5030.0	2.5°	4943.6	4892.6	4766.4	4640.1	4538.3	4400.9	4310.1	4201.6	4097.5	4004.5
5605.8	5°	5466.3	5298.0	5067.6	4857.2	4642.4	4434.2	4228.2	4011.1	3811.8	3690.0
6093.1	7.5°	5891.5	5594.8	5289.1	5021.1	4762.0	4518.3	4245.9	3982.3	3670.0	3503.9
6465.2	10°	6208.3	5818.5	5417.6	5109.7	4848.3	4611.4	4381.0	4115.2	3738.7	3530.5
6691.1	12.5°	6416.5	5953.6	5484.0	5131.8	4839.5	4655.7	4553.8	4449.7	4075.4	3831.7
6857.2	15°	6560.4	6048.8	5530.5	5080.9	4722.1	4587.0	4688.9	4808.5	4569.3	4288.0
7030.0	17.5°	6717.7	6172.8	5550.5	4943.6	4494.0	4436.4	4699.9	4976.8	4965.7	4686.7
7193.9	20°	6883.8	6281.4	5537.2	4722.1	4217.1	4268.1	4604.7	4925.9	5061.0	4910.4
7382.2	22.5°	7054.4	6385.5	5486.2	4434.2	3958.0	4117.4	4454.1	4735.4	4894.9	4848.3
7612.5	25°	7269.2	6531.6	5410.9	4124.1	3743.1	3964.6	4279.1	4507.3	4618.0	4615.8
7860.6	27.5°	7526.1	6726.6	5371.1	3873.8	3590.3	3791.9	4070.9	4274.7	4352.2	4352.2
8168.4	30°	7825.1	6956.9	5326.8	3709.9	3501.7	3612.4	3829.5	4028.8	4106.4	4106.4
8505.1	32.5°	8157.4	7178.4	5220.4	3610.2	3435.3	3437.5	3574.8	3756.4	3849.4	3862.7
8925.9	35°	8556.0	7415.4	4987.9	3530.5	3357.7	3266.9	3333.4	3484.0	3594.7	3623.5
9526.1	37.5°	9078.7	7705.5	4655.7	3413.1	3238.1	3087.5	3103.0	3218.2	3340.0	3384.3
10354.5	40°	9780.9	8046.6	4310.1	3244.8	3069.8	2890.4	2883.8	2967.9	3087.5	3136.3
11475.2	42.5°	10708.9	8456.4	3980.1	3083.1	2866.0	2682.2	2671.1	2737.6	2841.7	2892.6
12954.8	45°	11896.1	8959.1	3696.6	2956.8	2666.7	2485.1	2480.7	2536.0	2626.8	2680.0
14848.5	47.5°	13546.1	9461.9	3503.9	2890.4	2509.4	2323.4	2332.3	2381.0	2462.9	2500.6
17300.3	50°	15696.8	9614.7	3406.5	2890.4	2425.3	2179.4	2223.7	2263.6	2325.6	2347.8
20239.5	52.5°	17761.0	9109.8	3317.9	2908.1	2436.4	2057.6	2152.9	2181.6	2234.8	2243.7
22963.8	55°	18773.2	7831.8	3196.1	2912.6	2505.0	1953.5	2095.3	2148.4	2168.4	2166.1
24545.2	57.5°	18425.5	6332.3	2990.1	2894.8	2551.5	1887.1	2024.4	2126.3	2139.6	2119.6
24243.9	60°	17205.1	4662.3	2832.8	2764.2	2533.8	1867.1	1915.9	2077.5	2097.5	2070.9
21922.8	62.5°	15158.6	3235.9	2711.0	2476.2	2456.3	1860.5	1745.3	1971.2	2020.0	1982.3
17621.5	65°	11933.7	2285.7	2334.5	2170.6	2288.0	1825.1	1568.1	1842.8	1909.2	1851.6
12784.2	67.5°	8075.4	1650.1	1891.5	1966.8	2015.5	1745.3	1439.7	1696.6	1785.2	1709.9
8203.9	70°	4361.1	1158.4	1249.2	1656.7	1712.1	1608.0	1324.5	1548.2	1650.1	1568.1
5831.7	72.5°	2575.9	832.8	874.9	1331.1	1426.4	1415.3	1196.0	1375.4	1499.5	1402.0
4024.4	75°	1419.7	562.6	624.6	965.7	1158.4	1091.9	1027.7	1165.0	1291.3	1196.0
2522.7	77.5°	635.7	336.7	434.1	633.5	910.3	748.6	795.1	908.1	1025.5	925.8
1404.2	80°	245.9	188.3	287.9	345.5	662.2	414.2	511.6	668.9	753.1	673.3
305.7	82.5°	31.0	84.2	124.0	135.1	385.4	219.3	296.8	420.8	414.2	358.8
0.0	85°	0.0	15.5	17.7	8.9	166.1	79.7	97.5	137.3	128.5	97.5
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

REPORT NUMBER: P955885  
 CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4451.9	0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
3986.8	2.5°	3878.2	3798.5	3758.6	3725.4	3756.4	3774.1	3774.1	3849.4	3893.7	3911.5
3612.4	5°	3417.5	3269.1	3169.5	3109.7	3129.6	3151.8	3176.1	3271.4	3335.6	3377.7
3353.3	7.5°	3054.3	2828.4	2688.8	2615.8	2626.8	2642.3	2662.3	2755.3	2819.5	2874.9
3304.6	10°	2874.9	2556.0	2372.1	2283.5	2268.0	2259.2	2252.5	2307.9	2356.6	2400.9
3503.9	12.5°	2883.8	2438.6	2214.9	2106.3	2059.8	2006.7	1964.6	1973.4	2004.5	2059.8
3860.5	15°	2996.7	2400.9	2132.9	1997.8	1920.3	1858.3	1807.3	1796.3	1807.3	1816.2
4268.1	17.5°	3149.5	2396.5	2062.0	1893.7	1814.0	1763.0	1716.5	1701.0	1703.2	1714.3
4538.3	20°	3271.4	2383.2	1982.3	1794.0	1723.2	1678.9	1632.4	1616.9	1621.3	1623.5
4564.8	22.5°	3335.6	2363.3	1893.7	1694.4	1634.6	1590.3	1548.2	1546.0	1546.0	1559.3
4420.9	25°	3335.6	2321.2	1814.0	1599.1	1546.0	1506.1	1455.2	1464.0	1468.5	1486.2
4197.2	27.5°	3255.9	2241.4	1749.7	1517.2	1461.8	1421.9	1375.4	1386.5	1393.2	1413.1
3975.7	30°	3154.0	2146.2	1676.7	1439.7	1375.4	1346.6	1306.8	1311.2	1320.1	1342.2
3769.7	32.5°	3045.4	2033.2	1616.9	1362.1	1297.9	1275.8	1231.5	1238.1	1247.0	1271.3
3565.9	35°	2925.8	1900.4	1546.0	1291.3	1227.0	1209.3	1158.4	1162.8	1176.1	1202.7
3346.7	37.5°	2799.6	1791.8	1475.1	1222.6	1156.2	1138.4	1085.3	1089.7	1105.2	1136.2
3116.3	40°	2675.6	1685.5	1399.8	1149.5	1083.1	1067.6	1010.0	1014.4	1032.1	1065.4
2883.8	42.5°	2540.5	1603.6	1302.3	1074.2	1003.3	987.8	934.7	941.3	961.3	994.5
2668.9	45°	2378.8	1550.4	1193.8	1003.3	923.6	908.1	859.4	872.7	894.8	928.0
2485.1	47.5°	2212.7	1528.3	1103.0	928.0	841.6	828.4	788.5	810.6	835.0	861.6
2327.8	50°	2053.2	1499.5	1010.0	857.2	770.8	757.5	730.9	759.7	784.1	808.4
2214.9	52.5°	1871.6	1437.4	925.8	795.1	711.0	706.5	693.3	719.8	742.0	764.1
2117.4	55°	1683.3	1337.8	852.7	739.8	660.0	664.5	657.8	680.0	697.7	717.6
2028.8	57.5°	1519.4	1211.5	795.1	680.0	615.7	629.0	620.2	631.2	642.3	666.7
1922.5	60°	1353.3	1060.9	730.9	609.1	571.4	586.9	562.6	560.4	564.8	571.4
1765.2	62.5°	1129.6	903.7	651.2	547.1	522.7	529.4	482.8	447.4	447.4	454.0
1546.0	65°	908.1	757.5	562.6	476.2	456.3	451.8	385.4	336.7	332.2	352.2
1291.3	67.5°	746.4	629.0	474.0	396.5	383.2	387.6	338.9	290.1	285.7	307.9
1052.1	70°	617.9	507.2	378.7	305.7	318.9	338.9	290.1	243.6	237.0	256.9
854.9	72.5°	491.7	396.5	290.1	225.9	263.6	287.9	237.0	192.7	188.3	206.0
660.0	75°	361.0	283.5	197.1	163.9	203.8	225.9	172.8	137.3	130.7	146.2
440.8	77.5°	223.7	159.5	124.0	97.5	139.5	150.6	90.8	79.7	77.5	88.6
268.0	80°	104.1	68.7	59.8	33.2	50.9	59.8	37.7	42.1	44.3	53.2
135.1	82.5°	28.8	11.1	2.2	0.0	0.0	17.7	8.9	17.7	22.1	33.2
11.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	11.1	19.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955885  
 CATALOG NUMBER: GALN-SB8C-950-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
4451.9	0°	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9	4451.9
4035.5	2.5°	4128.5	4217.1	4358.9	4505.0	4649.0	4795.2	4936.9	4987.9
3570.4	5°	3745.3	3949.1	4230.4	4531.6	4841.7	5156.2	5444.1	5574.8
3089.7	7.5°	3317.9	3610.2	4033.3	4505.0	4999.0	5492.9	5946.9	6157.3
2613.5	10°	2861.6	3231.5	3714.3	4352.2	5061.0	5743.2	6367.7	6640.2
2194.9	12.5°	2427.5	2815.1	3348.9	4113.0	5012.2	5887.1	6638.0	6959.1
1900.4	15°	2064.3	2407.6	2983.4	3829.5	4855.0	5896.0	6766.4	7118.6
1736.5	17.5°	1791.8	2015.5	2611.3	3515.0	4649.0	5814.0	6810.7	7187.2
1647.9	20°	1656.7	1718.7	2128.5	3111.9	4456.3	5736.5	6855.0	7251.5
1577.0	22.5°	1577.0	1592.5	1740.9	2591.4	4226.0	5712.1	6932.5	7340.1
1512.8	25°	1512.8	1517.2	1557.1	2053.2	3873.8	5696.6	7052.1	7461.9
1446.3	27.5°	1448.5	1448.5	1470.7	1654.5	3395.4	5630.2	7207.2	7608.1
1379.9	30°	1384.3	1384.3	1399.8	1464.0	2835.0	5499.5	7393.2	7798.6
1313.4	32.5°	1317.8	1317.8	1331.1	1377.6	2263.6	5335.6	7563.8	7991.2
1244.8	35°	1251.4	1247.0	1264.7	1313.4	1800.7	5127.4	7734.3	8199.4
1176.1	37.5°	1180.5	1178.3	1196.0	1251.4	1554.8	4886.0	7862.8	8482.9
1107.4	40°	1105.2	1105.2	1125.2	1185.0	1484.0	4582.6	8066.5	8890.5
1036.6	42.5°	1036.6	1032.1	1054.3	1127.4	1430.8	4292.4	8432.0	9484.1
972.3	45°	970.1	961.3	981.2	1072.0	1337.8	4190.5	9114.2	10361.2
910.3	47.5°	908.1	885.9	903.7	1005.6	1253.6	4571.5	10230.5	11577.1
854.9	50°	857.2	815.1	830.6	939.1	1189.4	5397.6	11679.0	13191.8
804.0	52.5°	804.0	748.6	757.5	857.2	1131.8	6183.9	13249.3	15322.5
753.1	55°	748.6	686.6	691.0	775.2	1049.8	6301.3	14782.0	18228.4
695.5	57.5°	686.6	629.0	629.0	699.9	990.0	5461.9	15960.3	21834.2
624.6	60°	617.9	580.3	569.2	640.1	1043.2	3853.9	16097.7	24159.8
533.8	62.5°	542.6	522.7	507.2	582.5	1083.1	2283.5	14992.4	23597.2
420.8	65°	456.3	451.8	440.8	640.1	912.5	1348.9	12870.6	21871.8
358.8	67.5°	383.2	376.5	376.5	671.1	693.3	848.3	10055.5	19497.5
305.7	70°	330.0	305.7	305.7	507.2	420.8	586.9	7021.1	16934.9
252.5	72.5°	276.9	250.3	232.6	405.3	314.5	429.7	4387.7	14503.0
192.7	75°	221.5	201.6	179.4	268.0	234.8	325.6	2549.3	12015.7
121.8	77.5°	159.5	150.6	126.2	197.1	170.5	234.8	1517.2	9271.4
75.3	80°	82.0	84.2	79.7	113.0	115.2	159.5	863.8	6345.6
48.7	82.5°	48.7	37.7	42.1	55.4	66.4	90.8	325.6	3729.8
35.4	85°	31.0	19.9	19.9	26.6	33.2	35.4	99.7	1512.8
17.7	87.5°	15.5	6.6	8.9	13.3	11.1	8.9	4.4	381.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)