

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: P953743

Luminaire Tested: **GALN-SB7A-950-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953743  
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-SB7A-950-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

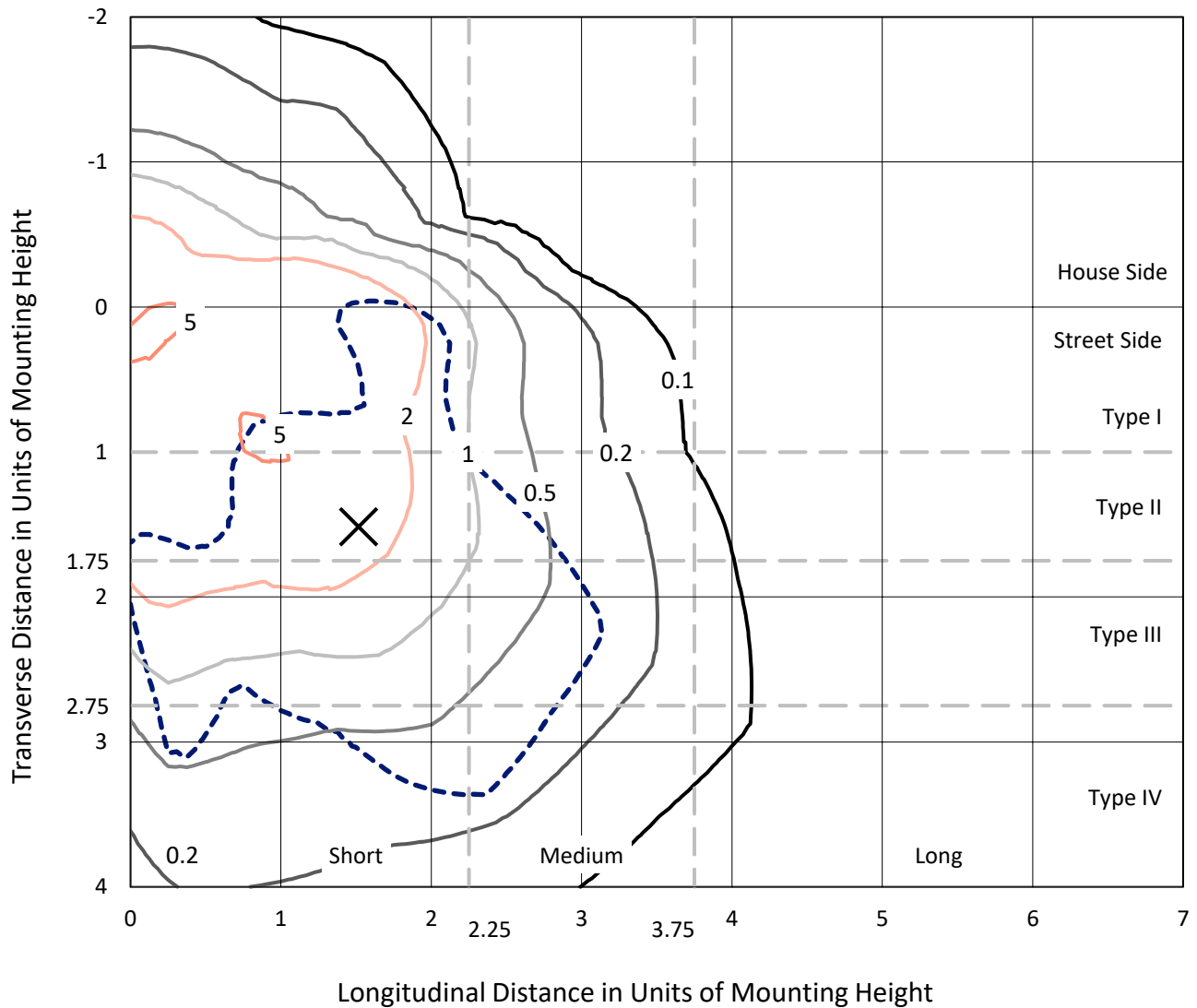
Lumens per Lamp: N/A  
Luminaire Lumens: 16937 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

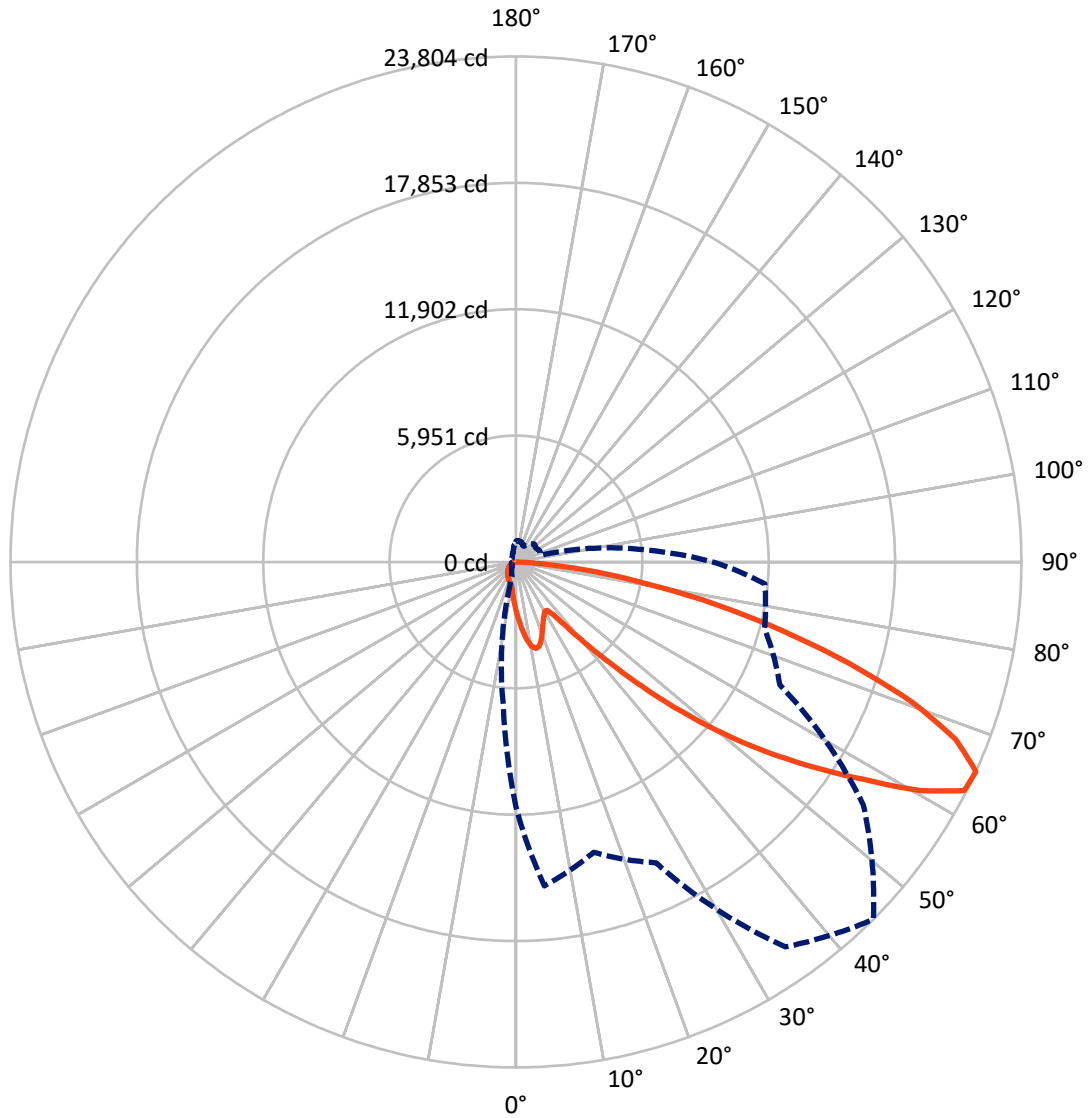
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	3366.6	0.0	3366.6
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	13570.5	0.0	13570.5
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	16937.0	0.0	16937.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.9	1.4
10°-20°	692.2	4.1
20°-30°	1019.7	6.0
30°-40°	1310.0	7.7
40°-50°	2118.7	12.5
50°-60°	3715.3	21.9
60°-70°	4648.9	27.4
70°-80°	2716.6	16.0
80°-90°	484.7	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°	16937.0	100.0
0°-180°	16937.0	100.0



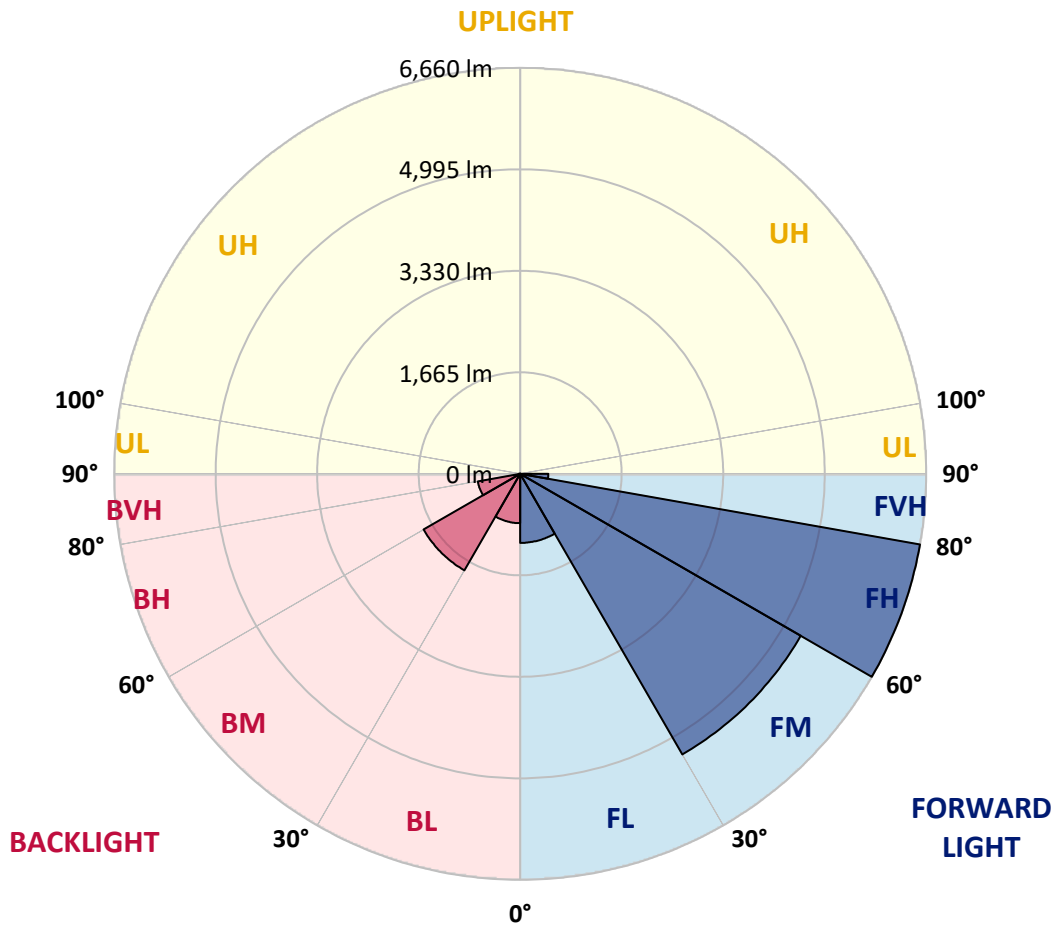
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 CATALOG NUMBER: GALN-SB7A-950-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1133.3	6.7			
FM (30°-60°)	5315.0	31.4			
FH (60°-80°)	6660.2	39.3			G3/7500
FVH (80°-90°)	462.0	2.7			G3/500
BL (0°-30°)	809.5	4.8	B2/1000		
BM (30°-60°)	1829.0	10.8	B2/2500		
BH (60°-80°)	705.4	4.2	B2/1000		G2/1000
BVH (80°-90°)	22.7	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



REPORT NUMBER: P953743

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2.5°	2627.6	2647.4	2691.8	2715.1	2751.3	2753.6	2753.6	2722.1	2720.9	2656.8
5°	2936.8	2983.5	3088.5	3197.0	3220.3	3226.2	3214.5	3151.5	3104.8	2980.0
7.5°	3243.7	3333.5	3493.3	3638.0	3684.7	3684.7	3656.7	3554.0	3458.3	3277.5
10°	3498.0	3611.2	3828.2	3990.4	4044.1	4032.4	3975.2	3845.7	3713.9	3494.5
12.5°	3666.0	3793.2	4031.2	4161.9	4216.8	4186.4	4121.1	3995.1	3856.2	3625.2
15°	3750.0	3883.1	4089.6	4158.4	4143.2	4111.7	4103.6	4042.9	3937.9	3722.0
17.5°	3786.2	3909.9	4053.4	4010.2	3881.9	3857.4	3939.1	4016.1	3990.4	3806.0
20°	3820.0	3923.9	3967.1	3775.7	3551.7	3529.5	3685.9	3905.2	4017.2	3884.2
22.5°	3866.7	3930.9	3842.2	3528.3	3286.8	3235.5	3408.2	3738.4	4025.4	3983.4
25°	3930.9	3948.4	3704.5	3293.8	3051.1	2999.8	3160.8	3552.9	4011.4	4090.7
27.5°	4007.9	3971.7	3572.7	3097.8	2863.3	2815.4	2976.5	3374.3	3971.7	4198.1
30°	4108.2	4002.1	3442.0	2946.1	2729.1	2694.1	2849.3	3220.3	3922.7	4334.6
32.5°	4209.8	4014.9	3320.7	2857.5	2698.8	2711.6	2838.8	3137.5	3869.1	4465.3
35°	4319.4	4055.7	3261.2	2945.0	2952.0	3064.0	3116.5	3214.5	3860.9	4642.6
37.5°	4468.8	4146.7	3332.3	3380.2	3622.9	3855.0	3811.9	3591.4	3955.4	4907.5
40°	4683.5	4306.6	3642.7	4121.1	4619.3	4996.2	4831.6	4276.3	4244.8	5289.0
42.5°	4996.2	4561.0	4193.4	5026.5	5871.2	6492.0	6050.9	5159.5	4751.1	5833.9
45°	5458.2	4972.8	4859.6	5982.1	7414.9	8392.7	7475.6	6101.1	5460.5	6658.8
47.5°	6098.8	5578.4	5483.9	6989.0	9291.1	10555.9	9055.4	6973.9	6268.0	7783.6
50°	6949.4	6394.0	6075.4	8090.5	11348.1	12761.1	10634.1	7816.3	7193.2	9158.1
52.5°	8071.8	7531.6	6765.0	9139.4	13463.5	14919.6	12219.7	8556.0	8341.3	10753.1
55°	9602.6	9243.2	7707.8	10140.5	15577.7	17091.0	13743.5	9253.8	9858.1	12647.9
57.5°	11502.1	11758.8	9067.1	11301.5	17478.4	19328.9	15274.3	10229.2	11827.7	14766.8
60°	12727.3	15104.0	11670.2	13017.8	19638.1	21859.7	17372.2	12084.4	13897.5	15526.4
62.5°	12430.9	16168.1	14787.8	15209.0	21624.0	23699.7	19428.1	13947.7	14287.3	14407.4
65°	11522.0	15309.4	14151.9	15634.9	22126.9	23803.5	19977.6	13707.4	12119.4	11762.3
67.5°	10271.2	14290.8	12640.9	14505.4	21217.9	22352.0	18954.4	12125.2	9365.8	8826.7
70°	8921.2	13163.6	11649.2	13238.3	19485.3	19822.5	17214.7	10664.4	6888.7	5961.1
72.5°	7640.1	11989.9	10970.1	11939.7	17173.9	16476.1	14950.0	9372.8	5016.0	4299.6
75°	6329.8	10258.4	10002.8	10397.2	14134.4	12978.1	12421.6	7760.3	3936.7	3110.6
77.5°	4884.2	8015.8	8603.9	8326.2	9949.2	9640.0	9628.3	5831.6	2876.1	2075.7
80°	3342.8	5586.6	6721.8	5873.6	6457.0	6299.5	7251.6	3912.2	2086.2	1249.6
82.5°	1964.9	3401.2	4678.8	2843.4	3570.4	3664.9	4318.3	1903.0	1227.5	288.2
85°	796.9	1343.0	1829.5	1113.1	1722.2	1452.6	1639.3	534.4	341.9	7.0
87.5°	200.7	429.4	301.0	124.8	199.5	183.2	144.7	65.3	14.0	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: P953743  
 CATALOG NUMBER: GALN-SB7A-950-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2345.2	0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2649.8	2.5°	2604.3	2577.4	2510.9	2444.4	2390.7	2318.4	2270.6	2213.4	2158.5	2109.5
2953.1	5°	2879.6	2790.9	2669.6	2558.8	2445.6	2335.9	2227.4	2113.0	2008.0	1943.9
3209.8	7.5°	3103.6	2947.3	2786.3	2645.1	2508.6	2380.2	2236.7	2097.9	1933.4	1845.8
3405.8	10°	3270.5	3065.1	2853.9	2691.8	2554.1	2429.2	2307.9	2167.9	1969.5	1859.9
3524.8	12.5°	3380.2	3136.3	2889.0	2703.4	2549.4	2452.6	2398.9	2344.1	2146.9	2018.5
3612.4	15°	3456.0	3186.5	2913.5	2676.6	2487.6	2416.4	2470.1	2533.1	2407.1	2258.9
3703.4	17.5°	3538.9	3251.8	2924.0	2604.3	2367.4	2337.1	2475.9	2621.8	2615.9	2468.9
3789.7	20°	3626.4	3309.0	2917.0	2487.6	2221.6	2248.4	2425.7	2594.9	2666.1	2586.8
3888.9	22.5°	3716.2	3363.8	2890.1	2335.9	2085.0	2169.0	2346.4	2494.6	2578.6	2554.1
4010.2	25°	3829.4	3440.8	2850.4	2172.5	1971.9	2088.5	2254.2	2374.4	2432.7	2431.6
4140.9	27.5°	3964.7	3543.5	2829.4	2040.7	1891.4	1997.5	2144.5	2251.9	2292.7	2292.7
4303.1	30°	4122.2	3664.9	2806.1	1954.4	1844.7	1903.0	2017.4	2122.4	2163.2	2163.2
4480.4	32.5°	4297.3	3781.5	2750.1	1901.9	1809.7	1810.8	1883.2	1978.9	2027.9	2034.9
4702.1	35°	4507.3	3906.4	2627.6	1859.9	1768.8	1721.0	1756.0	1835.3	1893.7	1908.9
5018.3	37.5°	4782.6	4059.2	2452.6	1798.0	1705.8	1626.5	1634.7	1695.3	1759.5	1782.8
5454.7	40°	5152.5	4238.9	2270.6	1709.3	1617.2	1522.7	1519.2	1563.5	1626.5	1652.2
6045.1	42.5°	5641.4	4454.8	2096.7	1624.2	1509.8	1413.0	1407.1	1442.1	1497.0	1523.8
6824.5	45°	6266.8	4719.6	1947.4	1557.7	1404.8	1309.1	1306.8	1336.0	1383.8	1411.8
7822.1	47.5°	7136.0	4984.5	1845.8	1522.7	1322.0	1224.0	1228.6	1254.3	1297.5	1317.3
9113.7	50°	8269.0	5065.0	1794.5	1522.7	1277.6	1148.1	1171.4	1192.5	1225.1	1236.8
10662.1	52.5°	9356.4	4799.0	1747.8	1532.0	1283.5	1083.9	1134.1	1149.3	1177.3	1182.0
12097.2	55°	9889.6	4125.7	1683.7	1534.3	1319.6	1029.1	1103.8	1131.8	1142.3	1141.1
12930.3	57.5°	9706.5	3335.8	1575.2	1525.0	1344.1	994.1	1066.4	1120.1	1127.1	1116.6
12771.6	60°	9063.6	2456.1	1492.3	1456.1	1334.8	983.6	1009.3	1094.4	1104.9	1090.9
11548.8	62.5°	7985.5	1704.7	1428.1	1304.5	1294.0	980.1	919.4	1038.4	1064.1	1044.3
9282.9	65°	6286.6	1204.1	1229.8	1143.4	1205.3	961.4	826.1	970.8	1005.8	975.4
6734.7	67.5°	4254.1	869.3	996.4	1036.1	1061.8	919.4	758.4	893.8	940.4	900.8
4321.8	70°	2297.4	610.2	658.1	872.8	901.9	847.1	697.7	815.6	869.3	826.1
3072.1	72.5°	1357.0	438.7	460.9	701.2	751.4	745.6	630.1	724.6	789.9	738.6
2120.0	75°	747.9	296.4	329.0	508.7	610.2	575.2	541.4	613.7	680.2	630.1
1329.0	77.5°	334.9	177.4	228.7	333.7	479.5	394.4	418.9	478.4	540.2	487.7
739.7	80°	129.5	99.2	151.7	182.0	348.9	218.2	269.5	352.4	396.7	354.7
161.0	82.5°	16.3	44.3	65.3	71.2	203.0	115.5	156.3	221.7	218.2	189.0
0.0	85°	0.0	8.2	9.3	4.7	87.5	42.0	51.3	72.3	67.7	51.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	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

REPORT NUMBER: P953743  
 CATALOG NUMBER: GALN-SB7A-950-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2345.2	0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2100.2	2.5°	2043.0	2001.0	1980.0	1962.5	1978.9	1988.2	1988.2	2027.9	2051.2	2060.5
1903.0	5°	1800.3	1722.2	1669.7	1638.2	1648.7	1660.3	1673.2	1723.3	1757.2	1779.3
1766.5	7.5°	1609.0	1490.0	1416.5	1378.0	1383.8	1392.0	1402.5	1451.5	1485.3	1514.5
1740.8	10°	1514.5	1346.5	1249.6	1203.0	1194.8	1190.1	1186.6	1215.8	1241.5	1264.8
1845.8	12.5°	1519.2	1284.6	1166.8	1109.6	1085.1	1057.1	1034.9	1039.6	1055.9	1085.1
2033.7	15°	1578.7	1264.8	1123.6	1052.4	1011.6	978.9	952.1	946.3	952.1	956.8
2248.4	17.5°	1659.2	1262.5	1086.3	997.6	955.6	928.8	904.3	896.1	897.3	903.1
2390.7	20°	1723.3	1255.5	1044.3	945.1	907.8	884.4	859.9	851.8	854.1	855.3
2404.7	22.5°	1757.2	1245.0	997.6	892.6	861.1	837.7	815.6	814.4	814.4	821.4
2328.9	25°	1757.2	1222.8	955.6	842.4	814.4	793.4	766.6	771.2	773.6	782.9
2211.1	27.5°	1715.2	1180.8	921.8	799.2	770.1	749.1	724.6	730.4	733.9	744.4
2094.4	30°	1661.5	1130.6	883.3	758.4	724.6	709.4	688.4	690.7	695.4	707.1
1985.9	32.5°	1604.3	1071.1	851.8	717.6	683.7	672.1	648.7	652.2	656.9	669.7
1878.5	35°	1541.3	1001.1	814.4	680.2	646.4	637.1	610.2	612.6	619.6	633.6
1763.0	37.5°	1474.8	943.9	777.1	644.1	609.1	599.7	571.7	574.1	582.2	598.6
1641.7	40°	1409.5	887.9	737.4	605.6	570.6	562.4	532.1	534.4	543.7	561.2
1519.2	42.5°	1338.3	844.8	686.1	565.9	528.6	520.4	492.4	495.9	506.4	523.9
1406.0	45°	1253.1	816.7	628.9	528.6	486.5	478.4	452.7	459.7	471.4	488.9
1309.1	47.5°	1165.6	805.1	581.1	488.9	443.4	436.4	415.4	427.0	439.9	453.9
1226.3	50°	1081.6	789.9	532.1	451.5	406.0	399.0	385.0	400.2	413.0	425.9
1166.8	52.5°	985.9	757.2	487.7	418.9	374.5	372.2	365.2	379.2	390.9	402.5
1115.4	55°	886.8	704.7	449.2	389.7	347.7	350.0	346.5	358.2	367.5	378.0
1068.8	57.5°	800.4	638.2	418.9	358.2	324.4	331.4	326.7	332.5	338.4	351.2
1012.8	60°	712.9	558.9	385.0	320.9	301.0	309.2	296.4	295.2	297.5	301.0
929.9	62.5°	595.1	476.0	343.0	288.2	275.4	278.9	254.4	235.7	235.7	239.2
814.4	65°	478.4	399.0	296.4	250.9	240.4	238.0	203.0	177.4	175.0	185.5
680.2	67.5°	393.2	331.4	249.7	208.9	201.9	204.2	178.5	152.8	150.5	162.2
554.2	70°	325.5	267.2	199.5	161.0	168.0	178.5	152.8	128.3	124.8	135.3
450.4	72.5°	259.0	208.9	152.8	119.0	138.8	151.7	124.8	101.5	99.2	108.5
347.7	75°	190.2	149.3	103.8	86.3	107.3	119.0	91.0	72.3	68.8	77.0
232.2	77.5°	117.8	84.0	65.3	51.3	73.5	79.3	47.8	42.0	40.8	46.7
141.2	80°	54.8	36.2	31.5	17.5	26.8	31.5	19.8	22.2	23.3	28.0
71.2	82.5°	15.2	5.8	1.2	0.0	0.0	9.3	4.7	9.3	11.7	17.5
5.8	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.8	10.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
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: P953743  
 CATALOG NUMBER: GALN-SB7A-950-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
2345.2	0°	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2	2345.2
2125.9	2.5°	2174.9	2221.6	2296.2	2373.2	2449.1	2526.1	2600.8	2627.6
1880.9	5°	1973.0	2080.4	2228.6	2387.2	2550.6	2716.3	2868.0	2936.8
1627.7	7.5°	1747.8	1901.9	2124.7	2373.2	2633.4	2893.6	3132.8	3243.7
1376.8	10°	1507.5	1702.3	1956.7	2292.7	2666.1	3025.5	3354.5	3498.0
1156.3	12.5°	1278.8	1483.0	1764.2	2166.7	2640.4	3101.3	3496.8	3666.0
1001.1	15°	1087.4	1268.3	1571.7	2017.4	2557.6	3106.0	3564.5	3750.0
914.8	17.5°	943.9	1061.8	1375.6	1851.7	2449.1	3062.8	3587.9	3786.2
868.1	20°	872.8	905.4	1121.3	1639.3	2347.6	3022.0	3611.2	3820.0
830.7	22.5°	830.7	838.9	917.1	1365.1	2226.2	3009.1	3652.0	3866.7
796.9	25°	796.9	799.2	820.2	1081.6	2040.7	3001.0	3715.0	3930.9
761.9	27.5°	763.1	763.1	774.7	871.6	1788.7	2966.0	3796.7	4007.9
726.9	30°	729.2	729.2	737.4	771.2	1493.5	2897.1	3894.7	4108.2
691.9	32.5°	694.2	694.2	701.2	725.7	1192.5	2810.8	3984.6	4209.8
655.7	35°	659.2	656.9	666.2	691.9	948.6	2701.1	4074.4	4319.4
619.6	37.5°	621.9	620.7	630.1	659.2	819.1	2573.9	4142.1	4468.8
583.4	40°	582.2	582.2	592.7	624.2	781.7	2414.1	4249.4	4683.5
546.1	42.5°	546.1	543.7	555.4	593.9	753.7	2261.2	4441.9	4996.2
512.2	45°	511.1	506.4	516.9	564.7	704.7	2207.6	4801.3	5458.2
479.5	47.5°	478.4	466.7	476.0	529.7	660.4	2408.2	5389.4	6098.8
450.4	50°	451.5	429.4	437.5	494.7	626.6	2843.4	6152.4	6949.4
423.5	52.5°	423.5	394.4	399.0	451.5	596.2	3257.7	6979.7	8071.8
396.7	55°	394.4	361.7	364.0	408.4	553.1	3319.5	7787.1	9602.6
366.4	57.5°	361.7	331.4	331.4	368.7	521.6	2877.3	8407.8	11502.1
329.0	60°	325.5	305.7	299.9	337.2	549.6	2030.2	8480.2	12727.3
281.2	62.5°	285.9	275.4	267.2	306.9	570.6	1203.0	7897.9	12430.9
221.7	65°	240.4	238.0	232.2	337.2	480.7	710.6	6780.2	11522.0
189.0	67.5°	201.9	198.4	198.4	353.5	365.2	446.9	5297.2	10271.2
161.0	70°	173.9	161.0	161.0	267.2	221.7	309.2	3698.7	8921.2
133.0	72.5°	145.8	131.8	122.5	213.5	165.7	226.4	2311.4	7640.1
101.5	75°	116.7	106.2	94.5	141.2	123.7	171.5	1343.0	6329.8
64.2	77.5°	84.0	79.3	66.5	103.8	89.8	123.7	799.2	4884.2
39.7	80°	43.2	44.3	42.0	59.5	60.7	84.0	455.0	3342.8
25.7	82.5°	25.7	19.8	22.2	29.2	35.0	47.8	171.5	1964.9
18.7	85°	16.3	10.5	10.5	14.0	17.5	18.7	52.5	796.9
9.3	87.5°	8.2	3.5	4.7	7.0	5.8	4.7	2.3	200.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)