

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: P948577

Luminaire Tested: **GALN-SB3C-830-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948577  
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-830-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

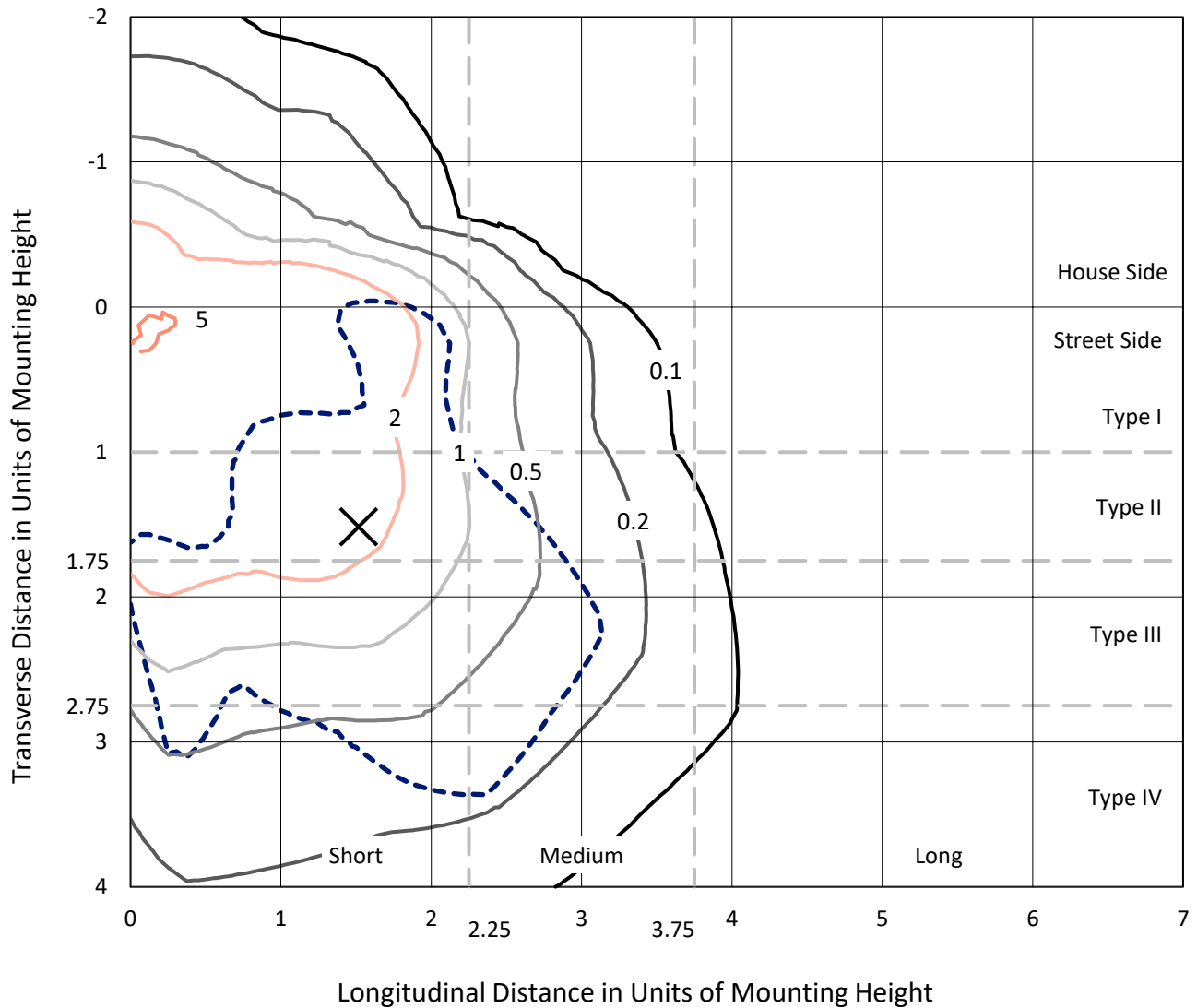
Lumens per Lamp: N/A  
Luminaire Lumens: 15409 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P948577  
 CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

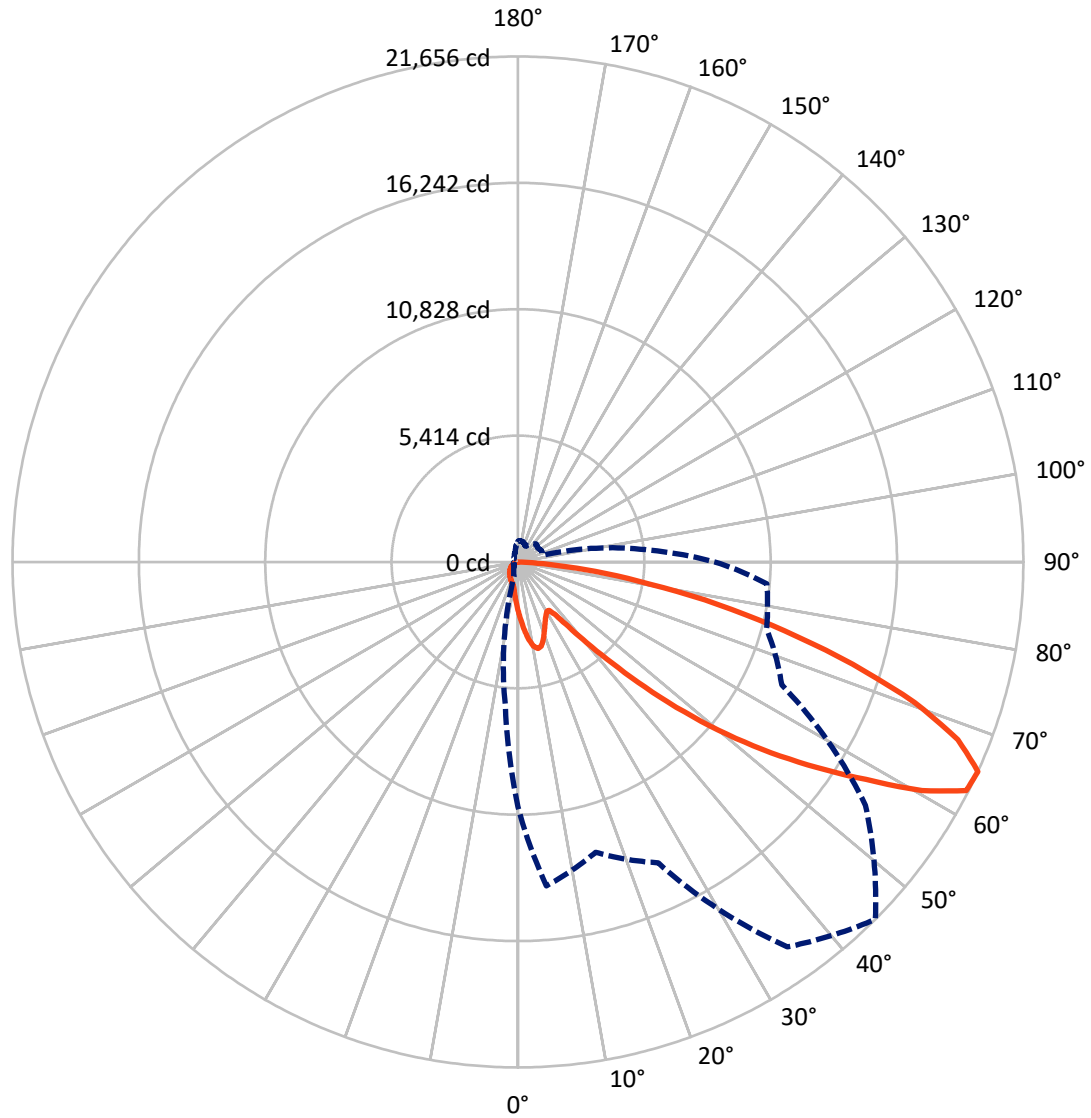
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P948577  
CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P948577  
 CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3062.8	0.0	3062.8
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	12346.2	0.0	12346.2
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	15409.0	0.0	15409.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.1	1.4
10°-20°	629.7	4.1
20°-30°	927.7	6.0
30°-40°	1191.8	7.7
40°-50°	1927.6	12.5
50°-60°	3380.2	21.9
60°-70°	4229.5	27.4
70°-80°	2471.5	16.0
80°-90°	441.0	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°	15409.0	100.0
0°-180°	15409.0	100.0



REPORT NUMBER: P948577

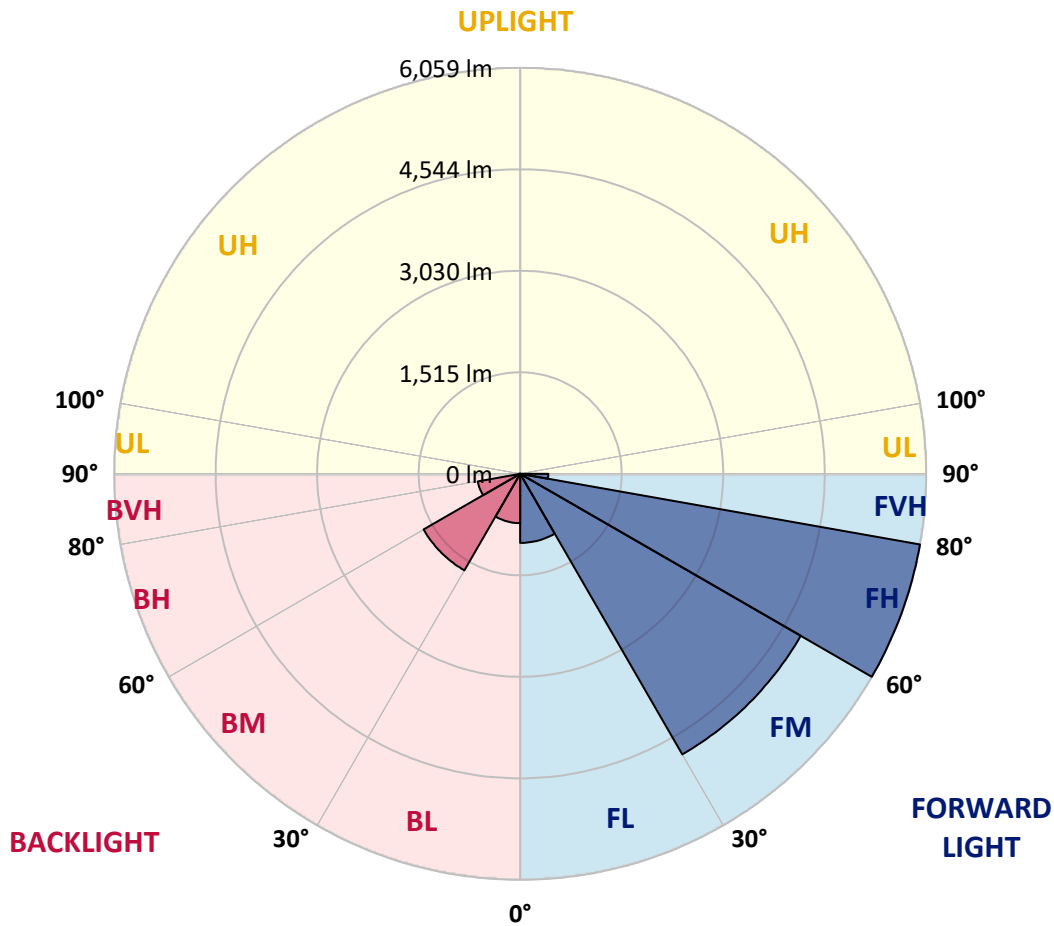
CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1031.0	6.7			
FM (30°-60°)	4835.5	31.4			
FH (60°-80°)	6059.3	39.3			G3/7500
FVH (80°-90°)	420.3	2.7			G3/500
BL (0°-30°)	736.4	4.8	B2/1000		
BM (30°-60°)	1664.0	10.8	B2/2500		
BH (60°-80°)	641.7	4.2	B2/1000		G2/1000
BVH (80°-90°)	20.7	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: P948577  
 CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
2.5°	2390.5	2408.6	2448.9	2470.2	2503.1	2505.2	2505.2	2476.5	2475.5	2417.1
5°	2671.8	2714.3	2809.8	2908.6	2929.8	2935.1	2924.5	2867.2	2824.7	2711.1
7.5°	2951.0	3032.8	3178.2	3309.8	3352.3	3352.3	3326.8	3233.4	3146.3	2981.8
10°	3182.4	3285.4	3482.8	3630.4	3679.2	3668.6	3616.6	3498.8	3378.8	3179.2
12.5°	3335.3	3451.0	3667.5	3786.4	3836.3	3808.7	3749.3	3634.6	3508.3	3298.1
15°	3411.7	3532.7	3720.6	3783.3	3769.5	3740.8	3733.4	3678.2	3582.6	3386.2
17.5°	3444.6	3557.2	3687.7	3648.4	3531.7	3509.4	3583.7	3653.7	3630.4	3462.7
20°	3475.4	3569.9	3609.2	3435.1	3231.3	3211.1	3353.3	3552.9	3654.8	3533.8
22.5°	3517.9	3576.3	3495.6	3210.0	2990.3	2943.6	3100.7	3401.1	3662.2	3624.0
25°	3576.3	3592.2	3370.3	2996.7	2775.9	2729.2	2875.7	3232.3	3649.5	3721.7
27.5°	3646.3	3613.4	3250.4	2818.3	2605.0	2561.4	2707.9	3069.9	3613.4	3819.3
30°	3737.6	3641.0	3131.5	2680.3	2482.9	2451.0	2592.2	2929.8	3568.8	3943.5
32.5°	3830.0	3652.7	3021.1	2599.7	2455.3	2467.0	2582.7	2854.4	3520.0	4062.4
35°	3929.7	3689.8	2966.9	2679.3	2685.6	2787.5	2835.3	2924.5	3512.6	4223.8
37.5°	4065.6	3772.6	3031.7	3075.2	3296.0	3507.3	3468.0	3267.4	3598.5	4464.7
40°	4260.9	3918.1	3314.1	3749.3	4202.6	4545.4	4395.8	3890.5	3861.8	4811.9
42.5°	4545.4	4149.5	3815.1	4573.0	5341.6	5906.3	5505.0	4694.0	4322.5	5307.6
45°	4965.8	4524.2	4421.2	5442.4	6746.0	7635.5	6801.2	5550.7	4967.9	6058.1
47.5°	5548.6	5075.1	4989.1	6358.5	8452.9	9603.6	8238.4	6344.7	5702.5	7081.4
50°	6322.4	5817.1	5527.3	7360.6	10324.3	11609.8	9674.7	7111.1	6544.3	8331.9
52.5°	7343.6	6852.1	6154.7	8314.9	12248.9	13573.6	11117.3	7784.1	7588.8	9783.0
55°	8736.3	8409.4	7012.4	9225.7	14172.3	15549.1	12503.6	8418.9	8968.8	11506.9
57.5°	10464.5	10698.0	8249.1	10281.9	15901.6	17585.1	13896.3	9306.3	10760.6	13434.6
60°	11579.1	13741.4	10617.3	11843.4	17866.4	19887.6	15805.0	10994.2	12643.8	14125.6
62.5°	11309.4	14709.5	13453.7	13836.9	19673.1	21561.6	17675.4	12689.4	12998.3	13107.6
65°	10482.5	13928.2	12875.2	14224.4	20130.6	21656.1	18175.3	12470.7	11026.0	10701.2
67.5°	9344.6	13001.5	11500.5	13196.8	19303.7	20335.5	17244.4	11031.3	8520.8	8030.4
70°	8116.4	11976.1	10598.2	12044.0	17727.4	18034.1	15661.7	9702.3	6267.2	5423.3
72.5°	6950.8	10908.2	9980.4	10862.5	15624.5	14989.7	13601.2	8527.2	4563.5	3911.7
75°	5758.7	9332.9	9100.4	9459.2	12859.2	11807.3	11300.9	7060.2	3581.6	2830.0
77.5°	4443.5	7292.6	7827.6	7575.0	9051.6	8770.3	8759.7	5305.5	2616.6	1888.4
80°	3041.3	5082.6	6115.4	5343.7	5874.4	5731.1	6597.3	3559.3	1898.0	1136.9
82.5°	1787.6	3094.3	4256.7	2586.9	3248.2	3334.2	3928.7	1731.3	1116.7	262.2
85°	725.0	1221.8	1664.5	1012.7	1566.8	1321.6	1491.4	486.2	311.0	6.4
87.5°	182.6	390.6	273.9	113.6	181.5	166.7	131.6	59.4	12.7	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: P948577  
 CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2133.7	0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
2410.7	2.5°	2369.3	2344.9	2284.4	2223.9	2175.1	2109.2	2065.7	2013.7	1963.8	1919.2
2686.7	5°	2619.8	2539.2	2428.8	2327.9	2224.9	2125.2	2026.4	1922.4	1826.9	1768.5
2920.2	7.5°	2823.6	2681.4	2534.9	2406.5	2282.3	2165.5	2034.9	1908.6	1758.9	1679.3
3098.6	10°	2975.4	2788.6	2596.5	2448.9	2323.7	2210.1	2099.7	1972.3	1791.8	1692.1
3206.8	12.5°	3075.2	2853.4	2628.3	2459.5	2319.4	2231.3	2182.5	2132.6	1953.2	1836.4
3286.5	15°	3144.2	2899.0	2650.6	2435.1	2263.2	2198.4	2247.2	2304.6	2189.9	2055.1
3369.3	17.5°	3219.6	2958.5	2660.2	2369.3	2153.8	2126.2	2252.5	2385.2	2379.9	2246.2
3447.8	20°	3299.2	3010.5	2653.8	2263.2	2021.1	2045.5	2206.9	2360.8	2425.6	2353.4
3538.0	22.5°	3380.9	3060.4	2629.4	2125.2	1896.9	1973.4	2134.7	2269.5	2346.0	2323.7
3648.4	25°	3483.9	3130.4	2593.3	1976.5	1794.0	1900.1	2050.9	2160.2	2213.3	2212.2
3767.3	27.5°	3607.0	3223.8	2574.2	1856.6	1720.7	1817.3	1951.1	2048.7	2085.9	2085.9
3914.9	30°	3750.3	3334.2	2553.0	1778.0	1678.3	1731.3	1835.4	1930.9	1968.1	1968.1
4076.2	32.5°	3909.6	3440.4	2502.0	1730.3	1646.4	1647.5	1713.3	1800.3	1844.9	1851.3
4277.9	35°	4100.6	3554.0	2390.5	1692.1	1609.3	1565.7	1597.6	1669.8	1722.8	1736.6
4565.6	37.5°	4351.2	3693.0	2231.3	1635.8	1551.9	1479.8	1487.2	1542.4	1600.8	1622.0
4962.6	40°	4687.7	3856.5	2065.7	1555.1	1471.3	1385.3	1382.1	1422.4	1479.8	1503.1
5499.7	42.5°	5132.4	4052.9	1907.5	1477.6	1373.6	1285.5	1280.2	1312.0	1361.9	1386.3
6208.8	45°	5701.4	4293.8	1771.7	1417.1	1278.1	1191.0	1188.9	1215.4	1259.0	1284.4
7116.4	47.5°	6492.3	4534.8	1679.3	1385.3	1202.7	1113.5	1117.8	1141.1	1180.4	1198.5
8291.5	50°	7523.0	4608.1	1632.6	1385.3	1162.4	1044.5	1065.8	1084.9	1114.6	1125.2
9700.2	52.5°	8512.3	4366.0	1590.2	1393.8	1167.7	986.2	1031.8	1045.6	1071.1	1075.3
11005.8	55°	8997.4	3753.5	1531.8	1395.9	1200.6	936.3	1004.2	1029.7	1039.2	1038.2
11763.8	57.5°	8830.8	3034.9	1433.1	1387.4	1222.9	904.4	970.2	1019.1	1025.4	1015.9
11619.4	60°	8245.9	2234.5	1357.7	1324.8	1214.4	894.9	918.2	995.7	1005.3	992.5
10506.9	62.5°	7265.0	1550.9	1299.3	1186.8	1177.2	891.7	836.5	944.8	968.1	950.1
8445.4	65°	5719.5	1095.5	1118.8	1040.3	1096.5	874.7	751.6	883.2	915.0	887.4
6127.1	67.5°	3870.3	790.8	906.5	942.6	966.0	836.5	690.0	813.1	855.6	819.5
3931.9	70°	2090.1	555.2	598.7	794.0	820.6	770.7	634.8	742.0	790.8	751.6
2795.0	72.5°	1234.5	399.1	419.3	638.0	683.6	678.3	573.2	659.2	718.6	671.9
1928.8	75°	680.4	269.6	299.3	462.8	555.2	523.3	492.5	558.4	618.9	573.2
1209.1	77.5°	304.7	161.4	208.1	303.6	436.3	358.8	381.1	435.2	491.5	443.7
673.0	80°	117.8	90.2	138.0	165.6	317.4	198.5	245.2	320.6	360.9	322.7
146.5	82.5°	14.9	40.3	59.4	64.8	184.7	105.1	142.2	201.7	198.5	172.0
0.0	85°	0.0	7.4	8.5	4.2	79.6	38.2	46.7	65.8	61.6	46.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	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: P948577  
 CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2133.7	0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
1910.7	2.5°	1858.7	1820.5	1801.4	1785.5	1800.3	1808.8	1808.8	1844.9	1866.2	1874.6
1731.3	5°	1637.9	1566.8	1519.0	1490.4	1499.9	1510.5	1522.2	1567.9	1598.6	1618.8
1607.1	7.5°	1463.8	1355.6	1288.7	1253.7	1259.0	1266.4	1275.9	1320.5	1351.3	1377.9
1583.8	10°	1377.9	1225.0	1136.9	1094.4	1087.0	1082.7	1079.6	1106.1	1129.5	1150.7
1679.3	12.5°	1382.1	1168.7	1061.5	1009.5	987.2	961.7	941.6	945.8	960.7	987.2
1850.2	15°	1436.2	1150.7	1022.2	957.5	920.3	890.6	866.2	860.9	866.2	870.4
2045.5	17.5°	1509.5	1148.6	988.3	907.6	869.4	845.0	822.7	815.2	816.3	821.6
2175.1	20°	1567.9	1142.2	950.1	859.8	825.9	804.6	782.3	774.9	777.0	778.1
2187.8	22.5°	1598.6	1132.6	907.6	812.1	783.4	762.2	742.0	740.9	740.9	747.3
2118.8	25°	1598.6	1112.5	869.4	766.4	740.9	721.8	697.4	701.7	703.8	712.3
2011.6	27.5°	1560.4	1074.3	838.6	727.1	700.6	681.5	659.2	664.5	667.7	677.2
1905.4	30°	1511.6	1028.6	803.6	690.0	659.2	645.4	626.3	628.4	632.7	643.3
1806.7	32.5°	1459.6	974.5	774.9	652.8	622.1	611.4	590.2	593.4	597.6	609.3
1709.0	35°	1402.3	910.8	740.9	618.9	588.1	579.6	555.2	557.3	563.7	576.4
1604.0	37.5°	1341.8	858.8	707.0	586.0	554.1	545.6	520.1	522.3	529.7	544.6
1493.6	40°	1282.3	807.8	670.9	550.9	519.1	511.7	484.1	486.2	494.7	510.6
1382.1	42.5°	1217.6	768.5	624.2	514.8	480.9	473.4	448.0	451.1	460.7	476.6
1279.1	45°	1140.1	743.1	572.2	480.9	442.7	435.2	411.9	418.2	428.9	444.8
1191.0	47.5°	1060.5	732.4	528.6	444.8	403.4	397.0	377.9	388.5	400.2	412.9
1115.7	50°	984.0	718.6	484.1	410.8	369.4	363.0	350.3	364.1	375.8	387.5
1061.5	52.5°	897.0	688.9	443.7	381.1	340.7	338.6	332.3	345.0	355.6	366.2
1014.8	55°	806.8	641.2	408.7	354.5	316.3	318.5	315.3	325.9	334.4	343.9
972.4	57.5°	728.2	580.7	381.1	325.9	295.1	301.5	297.2	302.5	307.8	319.5
921.4	60°	648.6	508.5	350.3	291.9	273.9	281.3	269.6	268.6	270.7	273.9
846.0	62.5°	541.4	433.1	312.1	262.2	250.5	253.7	231.4	214.4	214.4	217.6
740.9	65°	435.2	363.0	269.6	228.2	218.7	216.5	184.7	161.4	159.2	168.8
618.9	67.5°	357.7	301.5	227.2	190.0	183.6	185.8	162.4	139.1	136.9	147.6
504.2	70°	296.2	243.1	181.5	146.5	152.9	162.4	139.1	116.8	113.6	123.1
409.7	72.5°	235.7	190.0	139.1	108.3	126.3	138.0	113.6	92.4	90.2	98.7
316.3	75°	173.0	135.9	94.5	78.6	97.7	108.3	82.8	65.8	62.6	70.1
211.2	77.5°	107.2	76.4	59.4	46.7	66.9	72.2	43.5	38.2	37.2	42.5
128.4	80°	49.9	32.9	28.7	15.9	24.4	28.7	18.0	20.2	21.2	25.5
64.8	82.5°	13.8	5.3	1.1	0.0	0.0	8.5	4.2	8.5	10.6	15.9
5.3	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.3	9.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
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: P948577  
 CATALOG NUMBER: GALN-SB3C-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
2133.7	0°	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7	2133.7
1934.1	2.5°	1978.7	2021.1	2089.1	2159.1	2228.1	2298.2	2366.1	2390.5
1711.2	5°	1795.0	1892.7	2027.5	2171.9	2320.5	2471.2	2609.2	2671.8
1480.8	7.5°	1590.2	1730.3	1933.0	2159.1	2395.8	2632.6	2850.2	2951.0
1252.6	10°	1371.5	1548.8	1780.2	2085.9	2425.6	2752.5	3051.9	3182.4
1052.0	12.5°	1163.4	1349.2	1605.0	1971.2	2402.2	2821.5	3181.4	3335.3
910.8	15°	989.3	1153.9	1429.9	1835.4	2326.8	2825.8	3242.9	3411.7
832.2	17.5°	858.8	966.0	1251.5	1684.6	2228.1	2786.5	3264.2	3444.6
789.8	20°	794.0	823.7	1020.1	1491.4	2135.8	2749.3	3285.4	3475.4
755.8	22.5°	755.8	763.2	834.4	1242.0	2025.4	2737.7	3322.6	3517.9
725.0	25°	725.0	727.1	746.2	984.0	1856.6	2730.2	3379.9	3576.3
693.2	27.5°	694.2	694.2	704.8	793.0	1627.3	2698.4	3454.2	3646.3
661.3	30°	663.4	663.4	670.9	701.7	1358.7	2635.8	3543.4	3737.6
629.5	32.5°	631.6	631.6	638.0	660.3	1084.9	2557.2	3625.1	3830.0
596.6	35°	599.8	597.6	606.1	629.5	863.0	2457.4	3706.8	3929.7
563.7	37.5°	565.8	564.7	573.2	599.8	745.2	2341.7	3768.4	4065.6
530.8	40°	529.7	529.7	539.3	567.9	711.2	2196.3	3866.1	4260.9
496.8	42.5°	496.8	494.7	505.3	540.3	685.7	2057.2	4041.2	4545.4
466.0	45°	464.9	460.7	470.3	513.8	641.2	2008.4	4368.2	4965.8
436.3	47.5°	435.2	424.6	433.1	481.9	600.8	2191.0	4903.2	5548.6
409.7	50°	410.8	390.6	398.1	450.1	570.0	2586.9	5597.4	6322.4
385.3	52.5°	385.3	358.8	363.0	410.8	542.4	2963.8	6350.0	7343.6
360.9	55°	358.8	329.1	331.2	371.5	503.2	3020.0	7084.6	8736.3
333.3	57.5°	329.1	301.5	301.5	335.4	474.5	2617.7	7649.3	10464.5
299.3	60°	296.2	278.1	272.8	306.8	500.0	1847.0	7715.1	11579.1
255.8	62.5°	260.1	250.5	243.1	279.2	519.1	1094.4	7185.4	11309.4
201.7	65°	218.7	216.5	211.2	306.8	437.3	646.5	6168.5	10482.5
172.0	67.5°	183.6	180.5	180.5	321.6	332.3	406.6	4819.3	9344.6
146.5	70°	158.2	146.5	146.5	243.1	201.7	281.3	3365.0	8116.4
121.0	72.5°	132.7	120.0	111.5	194.3	150.7	205.9	2102.9	6950.8
92.4	75°	106.2	96.6	86.0	128.4	112.5	156.0	1221.8	5758.7
58.4	77.5°	76.4	72.2	60.5	94.5	81.7	112.5	727.1	4443.5
36.1	80°	39.3	40.3	38.2	54.1	55.2	76.4	414.0	3041.3
23.4	82.5°	23.4	18.0	20.2	26.5	31.8	43.5	156.0	1787.6
17.0	85°	14.9	9.6	9.6	12.7	15.9	17.0	47.8	725.0
8.5	87.5°	7.4	3.2	4.2	6.4	5.3	4.2	2.1	182.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)