

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: P948556

Luminaire Tested: **GALN-SB3C-827-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948556
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-827-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 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: 14912 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

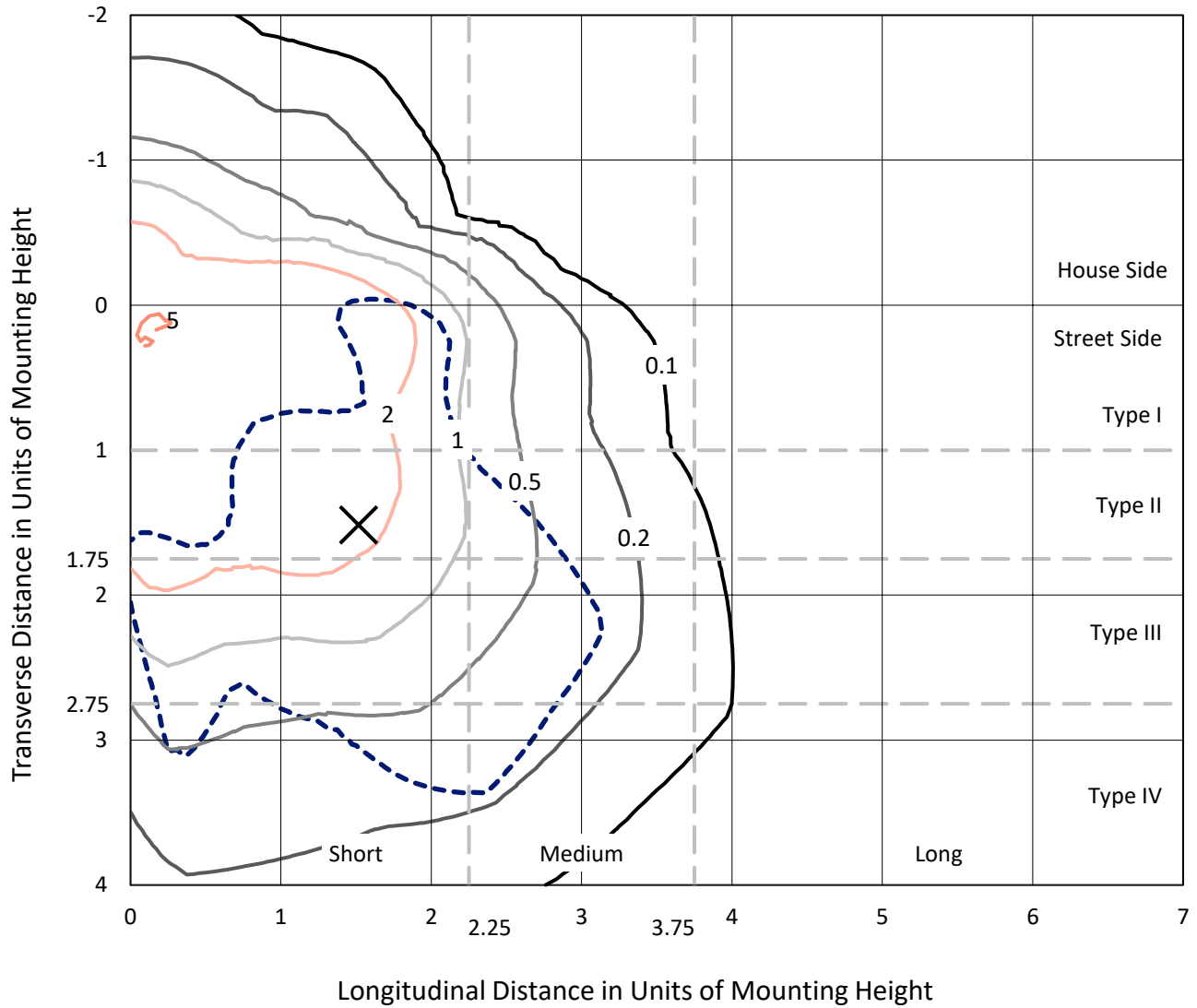
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948556
 CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

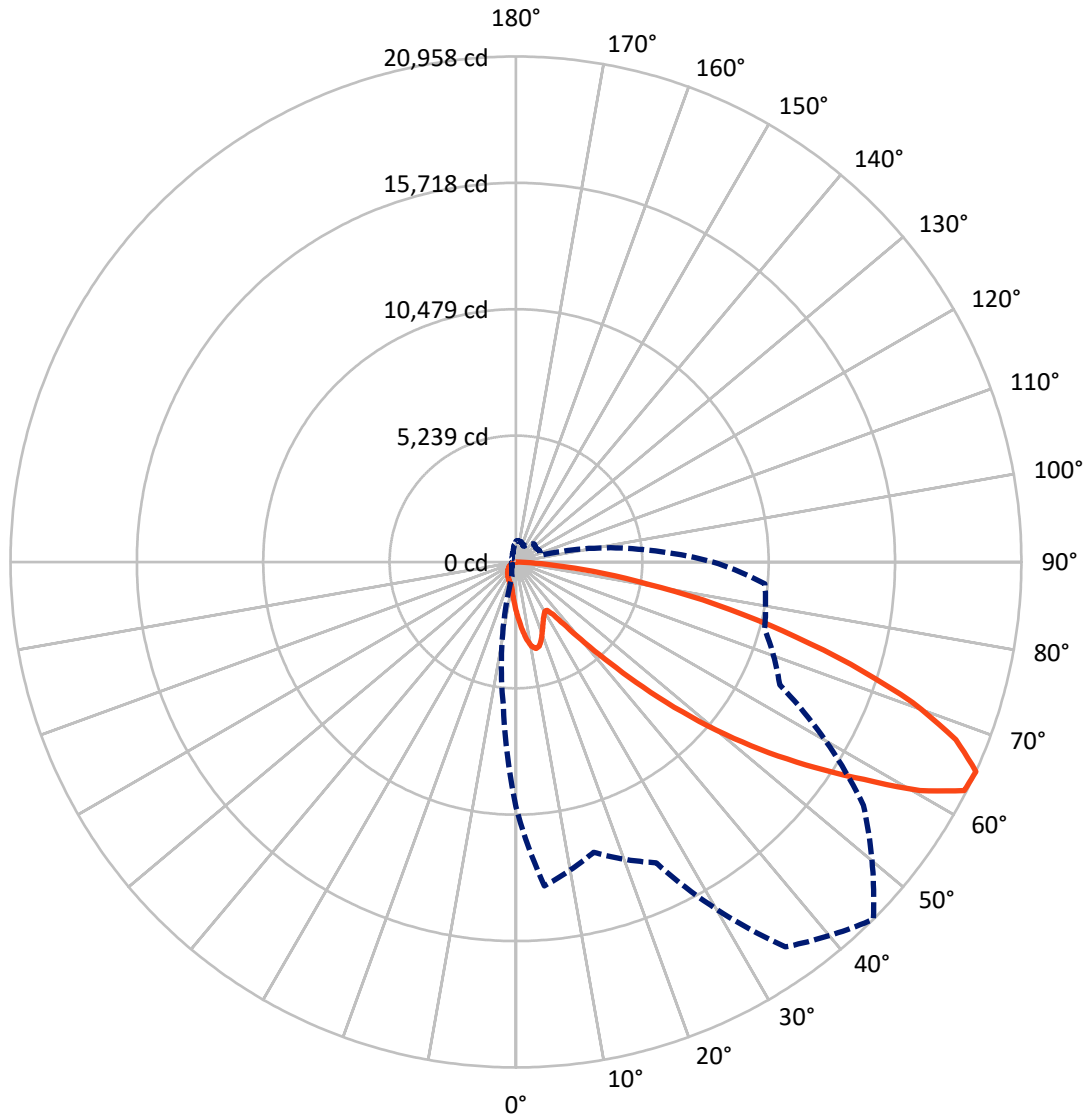
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P948556
CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P948556
 CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2964.0	0.0	2964.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	11948.0	0.0	11948.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	14912.0	0.0	14912.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	1.4
10°-20°	609.4	4.1
20°-30°	897.8	6.0
30°-40°	1153.4	7.7
40°-50°	1865.4	12.5
50°-60°	3271.1	21.9
60°-70°	4093.1	27.4
70°-80°	2391.8	16.0
80°-90°	426.7	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°	14912.0	100.0
0°-180°	14912.0	100.0



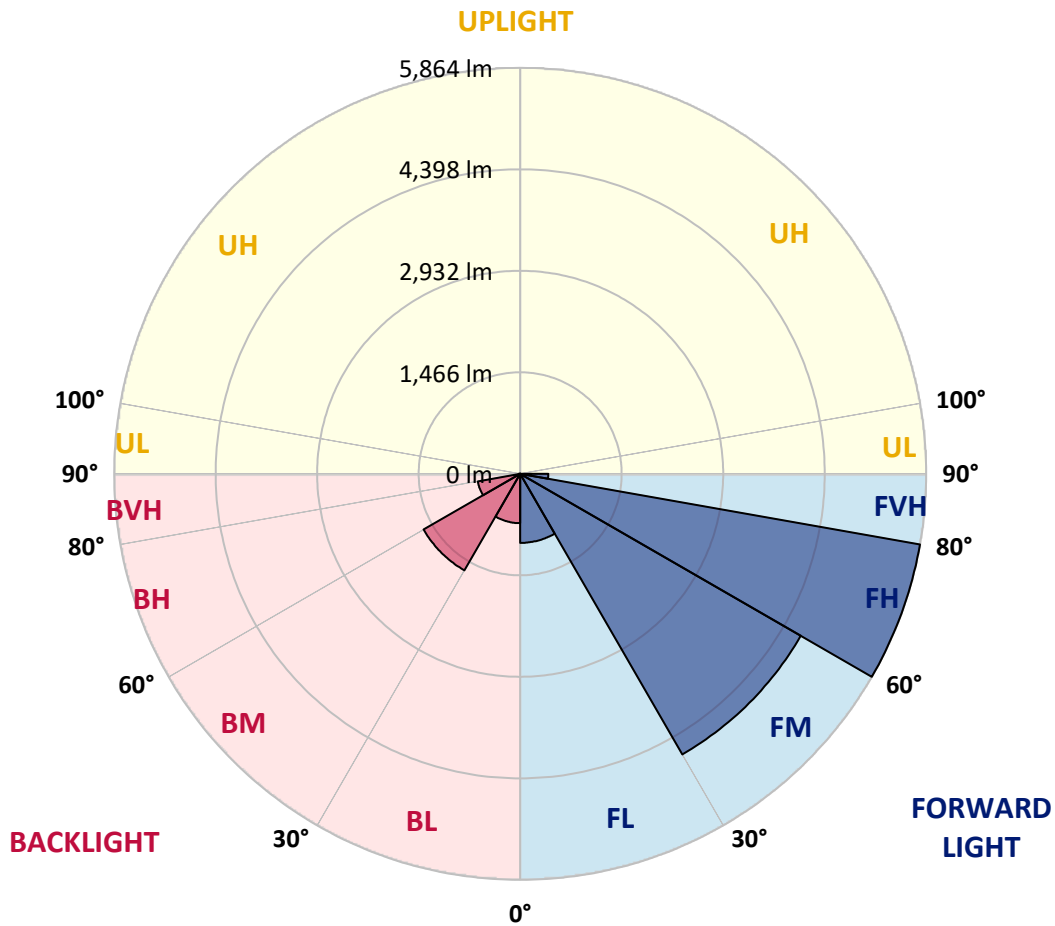
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 CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	997.8	6.7			
FM (30°-60°)	4679.6	31.4			
FH (60°-80°)	5863.9	39.3			G3/7500
FVH (80°-90°)	406.7	2.7			G3/500
BL (0°-30°)	712.7	4.8	B2/1000		
BM (30°-60°)	1610.3	10.8	B2/2500		
BH (60°-80°)	621.0	4.2	B2/1000		G2/1000
BVH (80°-90°)	20.0	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



REPORT NUMBER: P948556

CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8
2.5°	2313.4	2330.9	2369.9	2390.5	2422.3	2424.4	2424.4	2396.6	2395.6	2339.1
5°	2585.7	2626.8	2719.2	2814.7	2835.3	2840.4	2830.2	2774.7	2733.6	2623.7
7.5°	2855.8	2934.9	3075.7	3203.1	3244.2	3244.2	3219.5	3129.1	3044.9	2885.6
10°	3079.8	3179.4	3370.5	3513.3	3560.6	3550.3	3499.9	3385.9	3269.8	3076.7
12.5°	3227.7	3339.7	3549.3	3664.3	3712.6	3685.9	3628.4	3517.4	3395.2	3191.8
15°	3301.7	3418.8	3600.6	3661.2	3647.9	3620.1	3612.9	3559.5	3467.1	3277.0
17.5°	3333.5	3442.4	3568.8	3530.8	3417.8	3396.2	3468.1	3535.9	3513.3	3351.0
20°	3363.3	3454.7	3492.8	3324.3	3127.0	3107.5	3245.2	3438.3	3536.9	3419.8
22.5°	3404.4	3460.9	3382.8	3106.5	2893.9	2848.7	3000.7	3291.4	3544.1	3507.1
25°	3460.9	3476.3	3261.6	2900.0	2686.3	2641.1	2782.9	3128.1	3531.8	3601.6
27.5°	3528.7	3496.9	3145.5	2727.4	2520.9	2478.8	2620.6	2970.9	3496.9	3696.2
30°	3617.1	3523.6	3030.5	2593.9	2402.8	2372.0	2508.6	2835.3	3453.7	3816.3
32.5°	3706.4	3534.9	2923.6	2515.8	2376.1	2387.4	2499.4	2762.4	3406.5	3931.4
35°	3803.0	3570.8	2871.3	2592.9	2599.0	2697.6	2743.9	2830.2	3399.3	4087.6
37.5°	3934.5	3651.0	2933.9	2976.0	3189.7	3394.1	3356.1	3162.0	3482.5	4320.7
40°	4123.5	3791.7	3207.2	3628.4	4067.0	4398.8	4254.0	3765.0	3737.2	4656.7
42.5°	4398.8	4015.6	3692.0	4425.5	5169.3	5715.8	5327.5	4542.6	4183.1	5136.4
45°	4805.6	4378.3	4278.6	5266.9	6528.4	7389.2	6581.8	5371.7	4807.7	5862.7
47.5°	5369.6	4911.4	4828.2	6153.4	8180.2	9293.8	7972.7	6140.1	5518.6	6853.0
50°	6118.5	5629.5	5349.1	7123.2	9991.3	11235.4	9362.6	6881.8	6333.2	8063.1
52.5°	7106.7	6631.1	5956.2	8046.7	11853.8	13135.8	10758.7	7533.1	7344.0	9467.4
55°	8454.5	8138.1	6786.2	8928.1	13715.2	15047.6	12100.3	8147.4	8679.5	11135.7
57.5°	10126.9	10352.9	7983.0	9950.2	15388.7	17017.9	13448.1	9006.2	10413.5	13001.3
60°	11205.6	13298.2	10274.9	11461.4	17290.2	19246.1	15295.2	10639.5	12235.9	13670.0
62.5°	10944.7	14235.0	13019.8	13390.6	19038.6	20866.1	17105.3	12280.1	12579.1	12684.9
65°	10144.4	13479.0	12459.9	13765.6	19481.4	20957.6	17589.1	12068.5	10670.4	10356.0
67.5°	9043.2	12582.1	11129.6	12771.2	18681.1	19679.6	16688.2	10675.5	8246.0	7771.4
70°	7854.6	11589.8	10256.4	11655.5	17155.6	17452.5	15156.5	9389.3	6065.1	5248.4
72.5°	6726.6	10556.3	9658.5	10512.2	15120.5	14506.2	13162.6	8252.1	4416.3	3785.5
75°	5573.0	9031.9	8806.9	9154.1	12444.5	11426.4	10936.4	6832.4	3466.0	2738.7
77.5°	4300.2	7057.4	7575.2	7330.7	8759.6	8487.4	8477.1	5134.4	2532.2	1827.5
80°	2943.2	4918.6	5918.2	5171.3	5685.0	5546.3	6384.6	3444.5	1836.8	1100.2
82.5°	1729.9	2994.5	4119.4	2503.5	3143.5	3226.7	3802.0	1675.5	1080.7	253.7
85°	701.6	1182.4	1610.8	980.0	1516.3	1279.0	1443.3	470.5	301.0	6.2
87.5°	176.7	378.0	265.0	109.9	175.7	161.3	127.4	57.5	12.3	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: P948556
 CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2064.8	0°	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8
2333.0	2.5°	2292.9	2269.3	2210.7	2152.2	2104.9	2041.2	1999.1	1948.8	1900.5	1857.3
2600.0	5°	2535.3	2457.3	2350.4	2252.8	2153.2	2056.6	1961.1	1860.4	1768.0	1711.5
2826.1	7.5°	2732.6	2594.9	2453.1	2328.8	2208.7	2095.7	1969.3	1847.1	1702.2	1625.2
2998.6	10°	2879.5	2698.7	2512.7	2369.9	2248.7	2138.8	2032.0	1908.7	1734.1	1637.5
3103.4	12.5°	2976.0	2761.3	2543.5	2380.2	2244.6	2159.3	2112.1	2063.8	1890.2	1777.2
3180.5	15°	3042.8	2805.5	2565.1	2356.6	2190.2	2127.5	2174.8	2230.2	2119.3	1988.8
3260.6	17.5°	3115.7	2863.0	2574.4	2292.9	2084.4	2057.6	2179.9	2308.3	2303.2	2173.7
3336.6	20°	3192.8	2913.4	2568.2	2190.2	1955.9	1979.6	2135.7	2284.7	2347.3	2277.5
3423.9	22.5°	3271.9	2961.7	2544.6	2056.6	1835.8	1909.7	2065.9	2196.3	2270.3	2248.7
3530.8	25°	3371.5	3029.5	2509.6	1912.8	1736.1	1838.8	1984.7	2090.5	2141.9	2140.9
3645.8	27.5°	3490.7	3119.9	2491.2	1796.7	1665.2	1758.7	1888.1	1982.7	2018.6	2018.6
3788.6	30°	3629.4	3226.7	2470.6	1720.7	1624.1	1675.5	1776.2	1868.6	1904.6	1904.6
3944.8	32.5°	3783.5	3329.4	2421.3	1674.5	1593.3	1594.3	1658.0	1742.3	1785.4	1791.6
4139.9	35°	3968.4	3439.3	2313.4	1637.5	1557.4	1515.2	1546.1	1615.9	1667.3	1680.6
4418.3	37.5°	4210.8	3573.9	2159.3	1583.0	1501.9	1432.0	1439.2	1492.6	1549.1	1569.7
4802.5	40°	4536.5	3732.1	1999.1	1505.0	1423.8	1340.6	1337.5	1376.6	1432.0	1454.6
5322.3	42.5°	4966.9	3922.2	1846.0	1430.0	1329.3	1244.0	1238.9	1269.7	1318.0	1341.6
6008.6	45°	5517.5	4155.4	1714.5	1371.4	1236.8	1152.6	1150.6	1176.2	1218.4	1243.0
6886.9	47.5°	6282.9	4388.5	1625.2	1340.6	1163.9	1077.6	1081.7	1104.3	1142.3	1159.8
8024.1	50°	7280.3	4459.4	1580.0	1340.6	1124.9	1010.8	1031.4	1049.9	1078.6	1088.9
9387.3	52.5°	8237.8	4225.2	1538.9	1348.8	1130.0	954.3	998.5	1011.9	1036.5	1040.6
10650.8	55°	8707.2	3632.5	1482.4	1350.9	1161.9	906.1	971.8	996.5	1005.7	1004.7
11384.3	57.5°	8546.0	2937.0	1386.8	1342.7	1183.4	875.2	938.9	986.2	992.4	983.1
11244.6	60°	7979.9	2162.4	1313.9	1282.0	1175.2	866.0	888.6	963.6	972.8	960.5
10168.0	62.5°	7030.7	1500.9	1257.4	1148.5	1139.3	862.9	809.5	914.3	936.9	919.4
8173.0	65°	5535.0	1060.2	1082.8	1006.7	1061.2	846.5	727.3	854.7	885.5	858.8
5929.5	67.5°	3745.5	765.3	877.3	912.2	934.8	809.5	667.7	786.9	828.0	793.1
3805.0	70°	2022.7	537.3	579.4	768.4	794.1	745.8	614.3	718.1	765.3	727.3
2704.8	72.5°	1194.7	386.3	405.8	617.4	661.6	656.4	554.7	637.9	695.5	650.3
1866.6	75°	658.5	260.9	289.7	447.9	537.3	506.4	476.7	540.3	598.9	554.7
1170.1	77.5°	294.8	156.1	201.3	293.8	422.2	347.2	368.8	421.2	475.6	429.4
651.3	80°	114.0	87.3	133.5	160.3	307.2	192.1	237.3	310.2	349.3	312.3
141.8	82.5°	14.4	39.0	57.5	62.7	178.7	101.7	137.7	195.2	192.1	166.4
0.0	85°	0.0	7.2	8.2	4.1	77.0	37.0	45.2	63.7	59.6	45.2
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: P948556
 CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2064.8	0°	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8
1849.1	2.5°	1798.8	1761.8	1743.3	1727.9	1742.3	1750.5	1750.5	1785.4	1806.0	1814.2
1675.5	5°	1585.1	1516.3	1470.0	1442.3	1451.5	1461.8	1473.1	1517.3	1547.1	1566.6
1555.3	7.5°	1416.6	1311.8	1247.1	1213.2	1218.4	1225.5	1234.8	1277.9	1307.7	1333.4
1532.7	10°	1333.4	1185.5	1100.2	1059.1	1051.9	1047.8	1044.7	1070.4	1093.0	1113.6
1625.2	12.5°	1337.5	1131.0	1027.3	976.9	955.4	930.7	911.2	915.3	929.7	955.4
1790.6	15°	1389.9	1113.6	989.3	926.6	890.7	861.9	838.3	833.1	838.3	842.4
1979.6	17.5°	1460.8	1111.5	956.4	878.3	841.3	817.7	796.1	789.0	790.0	795.1
2104.9	20°	1517.3	1105.4	919.4	832.1	799.2	778.7	757.1	749.9	752.0	753.0
2117.2	22.5°	1547.1	1096.1	878.3	785.9	758.1	737.6	718.1	717.0	717.0	723.2
2050.5	25°	1547.1	1076.6	841.3	741.7	717.0	698.6	674.9	679.0	681.1	689.3
1946.7	27.5°	1510.1	1039.6	811.6	703.7	678.0	659.5	637.9	643.1	646.2	655.4
1844.0	30°	1462.8	995.4	777.7	667.7	637.9	624.6	606.1	608.2	612.3	622.5
1748.4	32.5°	1412.5	943.0	749.9	631.8	602.0	591.7	571.2	574.3	578.4	589.7
1653.9	35°	1357.0	881.4	717.0	598.9	569.1	560.9	537.3	539.3	545.5	557.8
1552.2	37.5°	1298.5	831.1	684.2	567.1	536.2	528.0	503.4	505.4	512.6	527.0
1445.4	40°	1241.0	781.8	649.2	533.2	502.3	495.1	468.4	470.5	478.7	494.1
1337.5	42.5°	1178.3	743.8	604.0	498.2	465.4	458.2	433.5	436.6	445.8	461.2
1237.9	45°	1103.3	719.1	553.7	465.4	428.4	421.2	398.6	404.7	415.0	430.4
1152.6	47.5°	1026.3	708.8	511.6	430.4	390.4	384.2	365.7	376.0	387.3	399.6
1079.7	50°	952.3	695.5	468.4	397.6	357.5	351.3	339.0	352.4	363.7	375.0
1027.3	52.5°	868.1	666.7	429.4	368.8	329.8	327.7	321.5	333.9	344.1	354.4
982.1	55°	780.7	620.5	395.5	343.1	306.1	308.2	305.1	315.4	323.6	332.8
941.0	57.5°	704.7	561.9	368.8	315.4	285.6	291.7	287.6	292.8	297.9	309.2
891.7	60°	627.7	492.1	339.0	282.5	265.0	272.2	260.9	259.9	262.0	265.0
818.7	62.5°	523.9	419.1	302.0	253.7	242.4	245.5	223.9	207.5	207.5	210.6
717.0	65°	421.2	351.3	260.9	220.9	211.6	209.6	178.7	156.1	154.1	163.3
598.9	67.5°	346.2	291.7	219.8	183.9	177.7	179.8	157.2	134.6	132.5	142.8
488.0	70°	286.6	235.2	175.7	141.8	147.9	157.2	134.6	113.0	109.9	119.2
396.5	72.5°	228.1	183.9	134.6	104.8	122.2	133.5	109.9	89.4	87.3	95.5
306.1	75°	167.4	131.5	91.4	76.0	94.5	104.8	80.1	63.7	60.6	67.8
204.4	77.5°	103.8	74.0	57.5	45.2	64.7	69.9	42.1	37.0	36.0	41.1
124.3	80°	48.3	31.8	27.7	15.4	23.6	27.7	17.5	19.5	20.5	24.7
62.7	82.5°	13.4	5.1	1.0	0.0	0.0	8.2	4.1	8.2	10.3	15.4
5.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	5.1	9.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
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: P948556
 CATALOG NUMBER: GALN-SB3C-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2064.8	0°	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8
1871.7	2.5°	1914.9	1955.9	2021.7	2089.5	2156.3	2224.1	2289.8	2313.4
1656.0	5°	1737.1	1831.6	1962.1	2101.8	2245.6	2391.5	2525.1	2585.7
1433.1	7.5°	1538.9	1674.5	1870.7	2089.5	2318.6	2547.7	2758.2	2855.8
1212.2	10°	1327.2	1498.8	1722.8	2018.6	2347.3	2663.7	2953.4	3079.8
1018.0	12.5°	1125.9	1305.7	1553.2	1907.7	2324.7	2730.5	3078.8	3227.7
881.4	15°	957.4	1116.7	1383.7	1776.2	2251.8	2734.6	3138.3	3301.7
805.4	17.5°	831.1	934.8	1211.2	1630.3	2156.3	2696.6	3158.9	3333.5
764.3	20°	768.4	797.2	987.2	1443.3	2066.9	2660.7	3179.4	3363.3
731.4	22.5°	731.4	738.6	807.4	1201.9	1960.1	2649.4	3215.4	3404.4
701.6	25°	701.6	703.7	722.2	952.3	1796.7	2642.2	3270.9	3460.9
670.8	27.5°	671.8	671.8	682.1	767.4	1574.8	2611.3	3342.8	3528.7
640.0	30°	642.1	642.1	649.2	679.0	1314.9	2550.7	3429.1	3617.1
609.2	32.5°	611.2	611.2	617.4	639.0	1049.9	2474.7	3508.2	3706.4
577.3	35°	580.4	578.4	586.6	609.2	835.2	2378.2	3587.3	3803.0
545.5	37.5°	547.5	546.5	554.7	580.4	721.2	2266.2	3646.8	3934.5
513.6	40°	512.6	512.6	521.9	549.6	688.3	2125.4	3741.4	4123.5
480.8	42.5°	480.8	478.7	489.0	522.9	663.6	1990.9	3910.9	4398.8
451.0	45°	449.9	445.8	455.1	497.2	620.5	1943.6	4227.3	4805.6
422.2	47.5°	421.2	410.9	419.1	466.4	581.4	2120.3	4745.0	5369.6
396.5	50°	397.6	378.0	385.2	435.6	551.6	2503.5	5416.9	6118.5
372.9	52.5°	372.9	347.2	351.3	397.6	524.9	2868.2	6145.2	7106.7
349.3	55°	347.2	318.5	320.5	359.5	486.9	2922.6	6856.1	8454.5
322.6	57.5°	318.5	291.7	291.7	324.6	459.2	2533.3	7402.6	10126.9
289.7	60°	286.6	269.1	264.0	296.9	483.8	1787.5	7466.3	11205.6
247.6	62.5°	251.7	242.4	235.2	270.2	502.3	1059.1	6953.7	10944.7
195.2	65°	211.6	209.6	204.4	296.9	423.2	625.6	5969.5	10144.4
166.4	67.5°	177.7	174.6	174.6	311.3	321.5	393.4	4663.9	9043.2
141.8	70°	153.1	141.8	141.8	235.2	195.2	272.2	3256.5	7854.6
117.1	72.5°	128.4	116.1	107.9	188.0	145.9	199.3	2035.0	6726.6
89.4	75°	102.7	93.5	83.2	124.3	108.9	151.0	1182.4	5573.0
56.5	77.5°	74.0	69.9	58.6	91.4	79.1	108.9	703.7	4300.2
34.9	80°	38.0	39.0	37.0	52.4	53.4	74.0	400.6	2943.2
22.6	82.5°	22.6	17.5	19.5	25.7	30.8	42.1	151.0	1729.9
16.4	85°	14.4	9.2	9.2	12.3	15.4	16.4	46.2	701.6
8.2	87.5°	7.2	3.1	4.1	6.2	5.1	4.1	2.1	176.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)