

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: P952861

Luminaire Tested: **GALN-SB6C-830-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952861
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-SB6C-830-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 31144 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

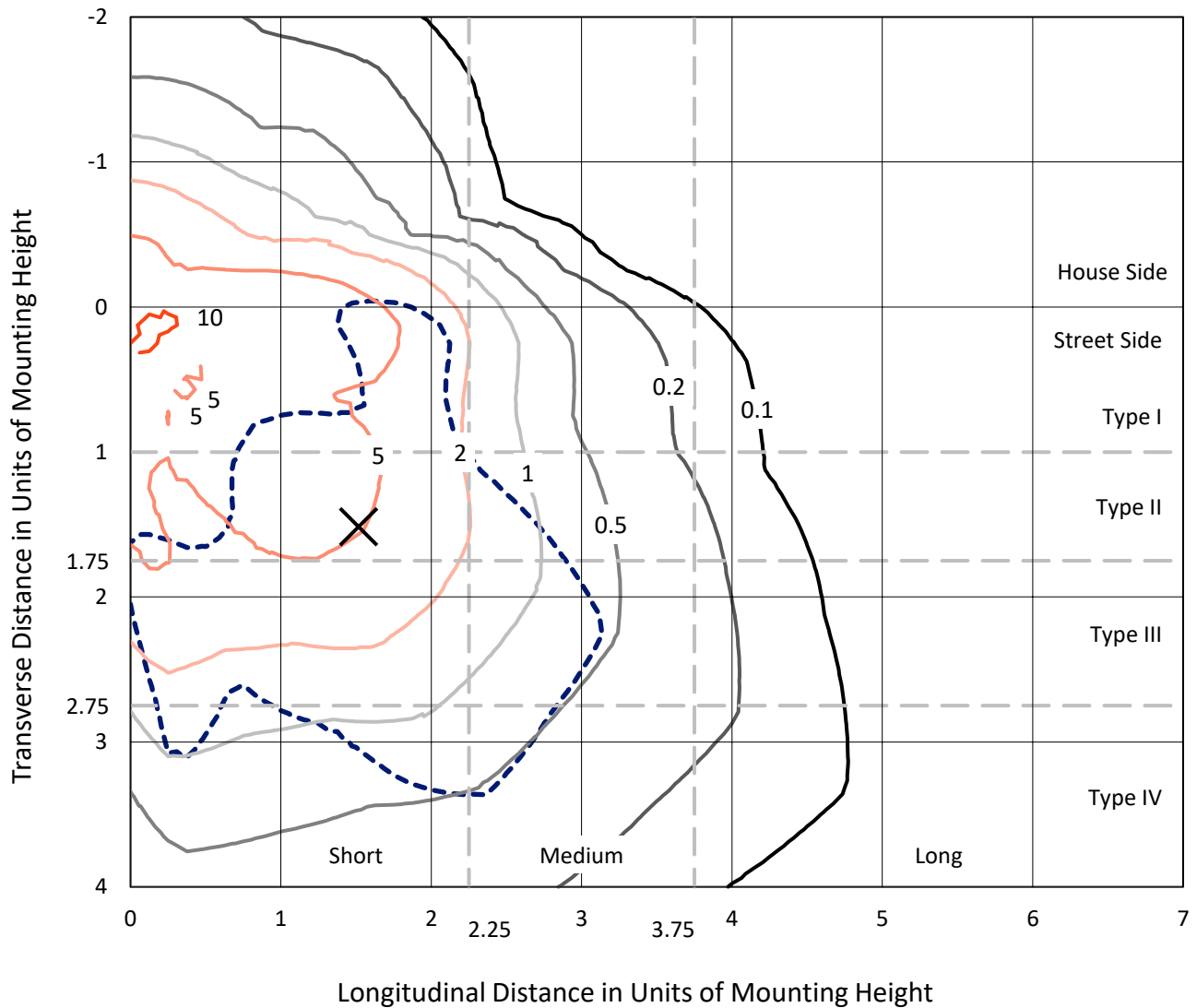
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952861
 CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

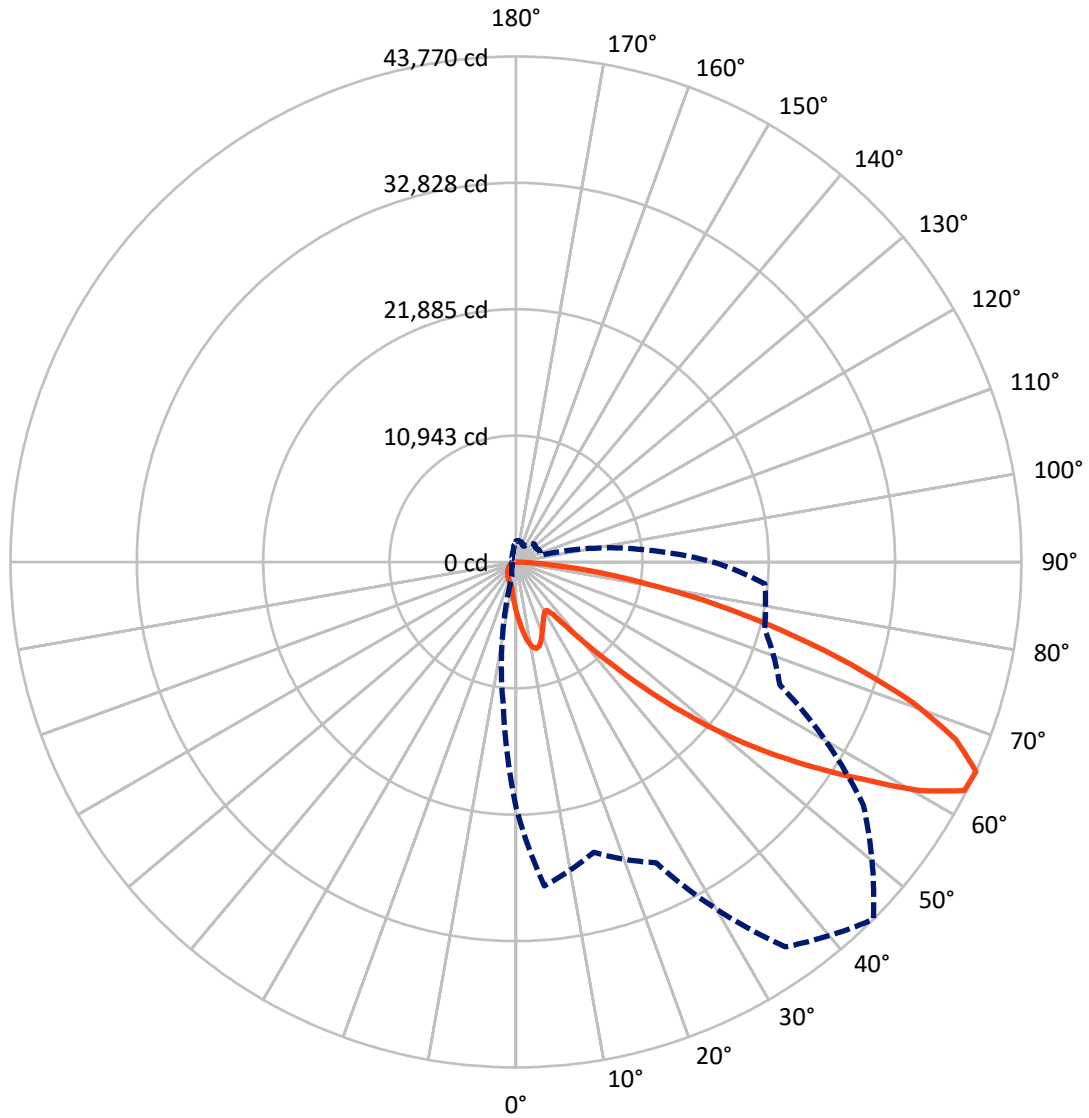
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P952861
CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952861
 CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6190.5	0.0	6190.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	24953.5	0.0	24953.5
	% Fixture	80.1	0.0	80.1
Total	Lumens	31144.0	0.0	31144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.6	1.4
10°-20°	1272.7	4.1
20°-30°	1875.0	6.0
30°-40°	2408.9	7.7
40°-50°	3895.9	12.5
50°-60°	6831.8	21.9
60°-70°	8548.5	27.4
70°-80°	4995.3	16.0
80°-90°	891.2	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°	31144.0	100.0
0°-180°	31144.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952861

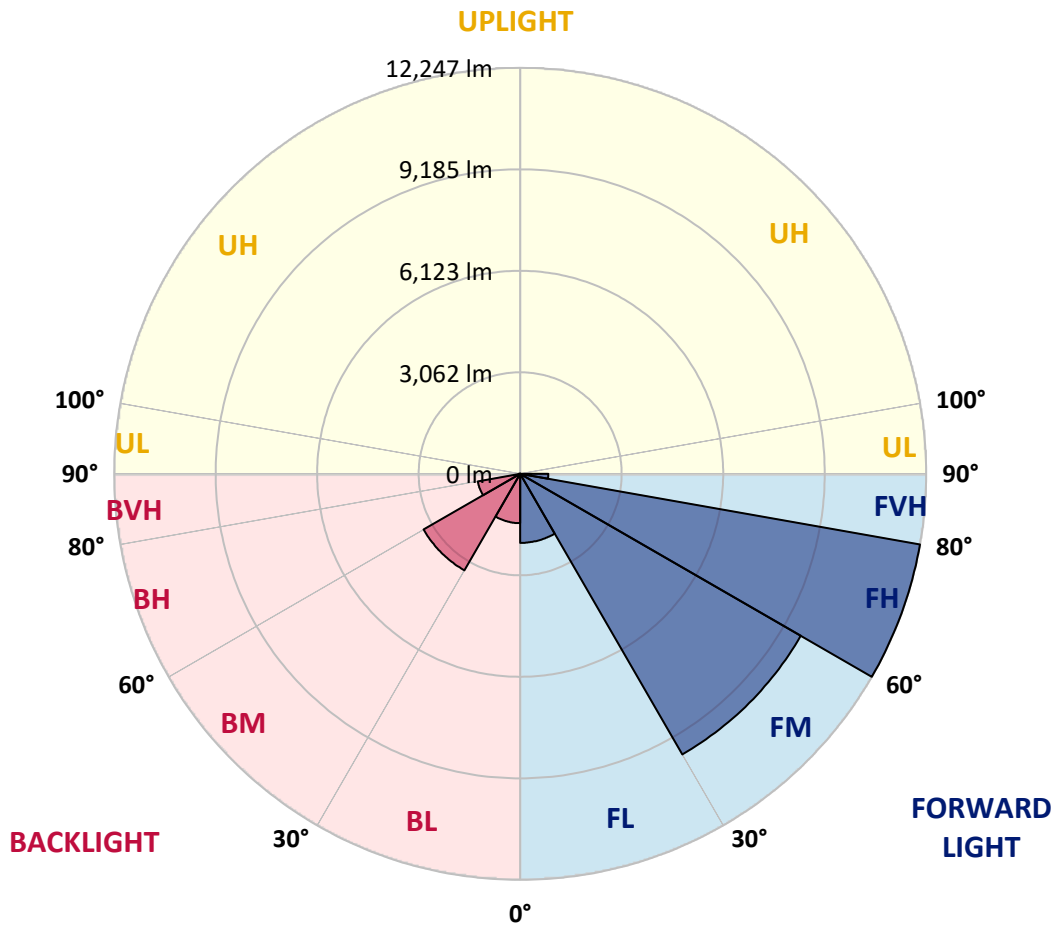
CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2083.9	6.7			
FM (30°-60°)	9773.4	31.4			
FH (60°-80°)	12246.8	39.3			G5
FVH (80°-90°)	849.5	2.7			G5
BL (0°-30°)	1488.4	4.8	B3/2500		
BM (30°-60°)	3363.2	10.8	B3/5000		
BH (60°-80°)	1297.0	4.2	B3/2500		G3/2500
BVH (80°-90°)	41.8	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: P952861
 CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
2.5°	4831.7	4868.1	4949.7	4992.6	5059.1	5063.4	5063.4	5005.4	5003.3	4885.3
5°	5400.2	5486.0	5679.1	5878.7	5921.6	5932.3	5910.8	5795.0	5709.2	5479.6
7.5°	5964.5	6129.7	6423.6	6689.7	6775.5	6775.5	6724.0	6535.2	6359.3	6026.7
10°	6432.2	6640.3	7039.4	7337.6	7436.3	7414.8	7309.7	7071.6	6829.1	6425.8
12.5°	6741.1	6975.0	7412.7	7653.0	7753.8	7698.0	7577.9	7346.2	7090.9	6666.1
15°	6895.6	7140.2	7520.0	7646.5	7618.7	7560.7	7545.7	7434.1	7241.0	6844.1
17.5°	6962.1	7189.6	7453.5	7374.1	7138.1	7093.0	7243.2	7384.8	7337.6	6998.6
20°	7024.4	7215.3	7294.7	6942.8	6530.9	6490.1	6777.6	7181.0	7386.9	7142.4
22.5°	7110.2	7228.2	7065.1	6488.0	6043.9	5949.5	6267.0	6874.2	7402.0	7324.7
25°	7228.2	7260.4	6812.0	6056.7	5610.5	5516.1	5812.1	6533.0	7376.2	7522.1
27.5°	7369.8	7303.3	6569.5	5696.3	5265.0	5177.1	5473.2	6204.8	7303.3	7719.5
30°	7554.3	7359.1	6329.2	5417.4	5018.3	4954.0	5239.3	5921.6	7213.2	7970.5
32.5°	7741.0	7382.7	6106.1	5254.3	4962.5	4986.1	5220.0	5769.2	7114.5	8210.8
35°	7942.6	7457.7	5996.7	5415.2	5428.1	5634.1	5730.6	5910.8	7099.4	8536.9
37.5°	8217.3	7625.1	6127.5	6215.5	6661.8	7088.7	7009.3	6603.8	7273.2	9024.0
40°	8612.0	7919.0	6698.2	7577.9	8494.0	9187.0	8884.5	7863.2	7805.3	9725.5
42.5°	9187.0	8386.7	7710.9	9242.8	10796.1	11937.5	11126.5	9487.4	8736.5	10727.5
45°	10036.6	9144.1	8936.0	11000.0	13634.6	15432.6	13746.2	11218.8	10040.9	12244.3
47.5°	11214.5	10257.6	10083.8	12851.5	17084.6	19410.3	16651.2	12823.6	11525.6	14312.6
50°	12778.6	11757.3	11171.6	14876.9	20867.1	23465.3	19554.1	14372.7	13227.0	16840.0
52.5°	14842.5	13849.2	12439.6	16805.7	24756.9	27434.5	22469.8	15732.9	15338.2	19772.9
55°	17657.4	16996.6	14173.1	18646.5	28644.5	31427.2	25271.8	17015.9	18127.3	23257.2
57.5°	21150.3	21622.3	16672.7	20781.3	32139.5	35542.3	28086.7	18809.6	21748.9	27153.4
60°	23403.1	27773.4	21459.3	23937.3	36110.8	40195.9	31944.3	22220.9	25555.0	28550.1
62.5°	22858.1	29730.1	27192.0	27966.5	39762.5	43579.3	35724.7	25647.3	26271.6	26492.6
65°	21186.8	28151.1	26022.7	28749.6	40687.2	43770.3	36735.2	25205.3	22285.3	21628.7
67.5°	18886.8	26278.0	23244.3	26672.8	39015.8	41101.3	34853.6	22296.0	17221.9	16230.7
70°	16404.5	24205.5	21420.6	24342.8	35829.8	36449.8	31654.7	19609.8	12667.0	10961.3
72.5°	14048.7	22047.1	20172.0	21954.9	31579.6	30296.6	27490.2	17234.8	9223.5	7906.2
75°	11639.3	18863.2	18393.3	19118.5	25990.5	23864.4	22841.0	14269.7	7238.9	5719.9
77.5°	8981.0	14739.6	15820.9	15310.3	18294.6	17726.1	17704.6	10723.2	5288.6	3816.8
80°	6146.8	10272.6	12360.2	10800.4	11873.2	11583.5	13334.3	7193.8	3836.1	2297.8
82.5°	3613.0	6254.1	8603.4	5228.6	6565.2	6739.0	7940.5	3499.3	2257.1	529.9
85°	1465.4	2469.5	3364.1	2046.8	3166.8	2671.1	3014.4	982.6	628.6	12.9
87.5°	369.0	789.5	553.5	229.6	366.9	336.8	266.0	120.1	25.7	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: P952861
 CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4312.4	0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
4872.4	2.5°	4788.7	4739.4	4617.1	4494.8	4396.1	4263.1	4175.1	4070.0	3969.2	3879.1
5430.3	5°	5295.1	5132.0	4908.9	4705.1	4497.0	4295.3	4095.8	3885.5	3692.4	3574.4
5902.3	7.5°	5707.0	5419.5	5123.4	4863.8	4612.8	4376.8	4112.9	3857.6	3555.1	3394.2
6262.7	10°	6013.8	5636.2	5247.9	4949.7	4696.5	4466.9	4243.8	3986.3	3621.6	3419.9
6481.5	12.5°	6215.5	5767.1	5312.2	4971.1	4687.9	4509.8	4411.1	4310.3	3947.7	3711.7
6642.5	15°	6355.0	5859.4	5357.3	4921.8	4574.2	4443.3	4542.0	4657.9	4426.2	4153.7
6809.8	17.5°	6507.3	5979.5	5376.6	4788.7	4353.2	4297.4	4552.7	4820.9	4810.2	4539.9
6968.6	20°	6668.2	6084.6	5363.7	4574.2	4085.0	4134.4	4460.5	4771.6	4902.5	4756.6
7150.9	22.5°	6833.4	6185.5	5314.4	4295.3	3834.0	3988.5	4314.6	4587.1	4741.5	4696.5
7374.1	25°	7041.5	6327.1	5241.4	3994.9	3625.9	3840.4	4145.1	4366.1	4473.4	4471.2
7614.4	27.5°	7290.4	6515.9	5202.8	3752.5	3477.8	3673.1	3943.4	4140.8	4215.9	4215.9
7912.6	30°	7580.0	6739.0	5159.9	3593.7	3392.0	3499.3	3709.6	3902.7	3977.8	3977.8
8238.7	32.5°	7901.9	6953.6	5056.9	3497.2	3327.7	3329.8	3462.8	3638.8	3728.9	3741.7
8646.3	35°	8288.1	7183.1	4831.7	3419.9	3252.6	3164.6	3229.0	3374.9	3482.1	3510.0
9227.8	37.5°	8794.4	7464.2	4509.8	3306.2	3136.7	2990.8	3005.8	3117.4	3235.4	3278.3
10030.2	40°	9474.5	7794.6	4175.1	3143.2	2973.7	2799.9	2793.4	2875.0	2990.8	3038.0
11115.8	42.5°	10373.5	8191.5	3855.5	2986.5	2776.3	2598.2	2587.5	2651.8	2752.7	2802.0
12549.0	45°	11523.5	8678.5	3580.8	2864.2	2583.2	2407.2	2403.0	2456.6	2544.6	2596.1
14383.4	47.5°	13121.9	9165.6	3394.2	2799.9	2430.8	2250.6	2259.2	2306.4	2385.8	2422.3
16758.5	50°	15205.1	9313.6	3299.8	2799.9	2349.3	2111.2	2154.1	2192.7	2252.8	2274.2
19605.5	52.5°	17204.7	8824.4	3214.0	2817.0	2360.0	1993.2	2085.4	2113.3	2164.8	2173.4
22244.5	55°	18185.2	7586.5	3096.0	2821.3	2426.6	1892.3	2029.6	2081.1	2100.4	2098.3
23776.4	57.5°	17848.4	6134.0	2896.4	2804.2	2471.6	1828.0	1961.0	2059.7	2072.5	2053.2
23484.6	60°	16666.2	4516.3	2744.1	2677.6	2454.4	1808.7	1855.9	2012.5	2031.8	2006.0
21236.1	62.5°	14683.8	3134.6	2626.1	2398.7	2379.4	1802.2	1690.7	1909.5	1956.7	1920.2
17069.6	65°	11559.9	2214.2	2261.4	2102.6	2216.3	1767.9	1519.0	1785.1	1849.4	1793.6
12383.8	67.5°	7822.5	1598.4	1832.3	1905.2	1952.4	1690.7	1394.6	1643.5	1729.3	1656.3
7946.9	70°	4224.5	1122.1	1210.1	1604.8	1658.5	1557.6	1283.0	1499.7	1598.4	1519.0
5649.1	72.5°	2495.2	806.7	847.5	1289.4	1381.7	1371.0	1158.6	1332.4	1452.5	1358.1
3898.4	75°	1375.3	545.0	605.0	935.4	1122.1	1057.7	995.5	1128.5	1250.8	1158.6
2443.7	77.5°	615.8	326.1	420.5	613.6	881.8	725.2	770.2	879.7	993.4	896.8
1360.2	80°	238.2	182.4	278.9	334.7	641.5	401.2	495.6	647.9	729.5	652.2
296.1	82.5°	30.0	81.5	120.1	130.9	373.3	212.4	287.5	407.6	401.2	347.6
0.0	85°	0.0	15.0	17.2	8.6	160.9	77.2	94.4	133.0	124.4	94.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	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: P952861
 CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
4312.4	0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
3861.9	2.5°	3756.8	3679.5	3640.9	3608.7	3638.8	3655.9	3655.9	3728.9	3771.8	3788.9
3499.3	5°	3310.5	3166.8	3070.2	3012.3	3031.6	3053.0	3076.6	3168.9	3231.1	3271.9
3248.3	7.5°	2958.6	2739.8	2604.6	2533.8	2544.6	2559.6	2578.9	2669.0	2731.2	2784.9
3201.1	10°	2784.9	2475.9	2297.8	2212.0	2197.0	2188.4	2182.0	2235.6	2282.8	2325.7
3394.2	12.5°	2793.4	2362.2	2145.5	2040.4	1995.3	1943.8	1903.1	1911.6	1941.7	1995.3
3739.6	15°	2902.9	2325.7	2066.1	1935.2	1860.1	1800.1	1750.7	1740.0	1750.7	1759.3
4134.4	17.5°	3050.9	2321.4	1997.5	1834.4	1757.2	1707.8	1662.8	1647.7	1649.9	1660.6
4396.1	20°	3168.9	2308.6	1920.2	1737.9	1669.2	1626.3	1581.2	1566.2	1570.5	1572.6
4421.9	22.5°	3231.1	2289.2	1834.4	1641.3	1583.4	1540.5	1499.7	1497.6	1497.6	1510.4
4282.4	25°	3231.1	2248.5	1757.2	1549.0	1497.6	1458.9	1409.6	1418.2	1422.5	1439.6
4065.7	27.5°	3153.9	2171.2	1694.9	1469.7	1416.0	1377.4	1332.4	1343.1	1349.5	1368.8
3851.2	30°	3055.2	2079.0	1624.1	1394.6	1332.4	1304.5	1265.8	1270.1	1278.7	1300.2
3651.6	32.5°	2950.1	1969.6	1566.2	1319.5	1257.3	1235.8	1192.9	1199.3	1207.9	1231.5
3454.2	35°	2834.2	1840.8	1497.6	1250.8	1188.6	1171.4	1122.1	1126.4	1139.3	1165.0
3241.8	37.5°	2711.9	1735.7	1428.9	1184.3	1119.9	1102.8	1051.3	1055.6	1070.6	1100.6
3018.7	40°	2591.8	1632.7	1356.0	1113.5	1049.1	1034.1	978.3	982.6	999.8	1032.0
2793.4	42.5°	2460.9	1553.3	1261.6	1040.6	971.9	956.9	905.4	911.8	931.1	963.3
2585.3	45°	2304.3	1501.8	1156.4	971.9	894.7	879.7	832.5	845.3	866.8	899.0
2407.2	47.5°	2143.4	1480.4	1068.5	899.0	815.3	802.4	763.8	785.3	808.9	834.6
2254.9	50°	1988.9	1452.5	978.3	830.3	746.6	733.8	708.0	735.9	759.5	783.1
2145.5	52.5°	1812.9	1392.4	896.8	770.2	688.7	684.4	671.5	697.3	718.7	740.2
2051.1	55°	1630.6	1295.9	826.0	716.6	639.4	643.6	637.2	658.7	675.8	695.1
1965.3	57.5°	1471.8	1173.6	770.2	658.7	596.4	609.3	600.7	611.5	622.2	645.8
1862.3	60°	1310.9	1027.7	708.0	590.0	553.5	568.6	545.0	542.8	547.1	553.5
1710.0	62.5°	1094.2	875.4	630.8	529.9	506.3	512.8	467.7	433.4	433.4	439.8
1497.6	65°	879.7	733.8	545.0	461.3	442.0	437.7	373.3	326.1	321.8	341.1
1250.8	67.5°	723.0	609.3	459.1	384.0	371.2	375.5	328.3	281.1	276.8	298.2
1019.1	70°	598.6	491.3	366.9	296.1	309.0	328.3	281.1	236.0	229.6	248.9
828.2	72.5°	476.3	384.0	281.1	218.8	255.3	278.9	229.6	186.7	182.4	199.5
639.4	75°	349.7	274.6	190.9	158.8	197.4	218.8	167.3	133.0	126.6	141.6
427.0	77.5°	216.7	154.5	120.1	94.4	135.2	145.9	88.0	77.2	75.1	85.8
259.6	80°	100.8	66.5	57.9	32.2	49.3	57.9	36.5	40.8	42.9	51.5
130.9	82.5°	27.9	10.7	2.1	0.0	0.0	17.2	8.6	17.2	21.5	32.2
10.7	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	10.7	19.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
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: P952861
 CATALOG NUMBER: GALN-SB6C-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
4312.4	0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
3909.1	2.5°	3999.2	4085.0	4222.3	4363.9	4503.4	4645.0	4782.3	4831.7
3458.5	5°	3628.0	3825.4	4097.9	4389.7	4690.1	4994.7	5273.6	5400.2
2993.0	7.5°	3214.0	3497.2	3906.9	4363.9	4842.4	5320.8	5760.7	5964.5
2531.7	10°	2772.0	3130.3	3598.0	4215.9	4902.5	5563.3	6168.3	6432.2
2126.2	12.5°	2351.5	2726.9	3244.0	3984.2	4855.3	5702.7	6430.1	6741.1
1840.8	15°	1999.6	2332.2	2890.0	3709.6	4702.9	5711.3	6554.5	6895.6
1682.1	17.5°	1735.7	1952.4	2529.5	3404.9	4503.4	5631.9	6597.4	6962.1
1596.2	20°	1604.8	1664.9	2061.8	3014.4	4316.7	5556.8	6640.3	7024.4
1527.6	22.5°	1527.6	1542.6	1686.4	2510.2	4093.6	5533.2	6715.4	7110.2
1465.4	25°	1465.4	1469.7	1508.3	1988.9	3752.5	5518.2	6831.3	7228.2
1401.0	27.5°	1403.2	1403.2	1424.6	1602.7	3289.0	5453.9	6981.4	7369.8
1336.6	30°	1340.9	1340.9	1356.0	1418.2	2746.2	5327.3	7161.7	7554.3
1272.3	32.5°	1276.6	1276.6	1289.4	1334.5	2192.7	5168.5	7326.9	7741.0
1205.8	35°	1212.2	1207.9	1225.1	1272.3	1744.3	4966.8	7492.1	7942.6
1139.3	37.5°	1143.5	1141.4	1158.6	1212.2	1506.1	4733.0	7616.5	8217.3
1072.7	40°	1070.6	1070.6	1089.9	1147.8	1437.5	4439.0	7813.9	8612.0
1004.1	42.5°	1004.1	999.8	1021.3	1092.1	1386.0	4158.0	8167.9	9187.0
941.9	45°	939.7	931.1	950.5	1038.4	1295.9	4059.3	8828.7	10036.6
881.8	47.5°	879.7	858.2	875.4	974.1	1214.4	4428.3	9910.0	11214.5
828.2	50°	830.3	789.5	804.6	909.7	1152.1	5228.6	11313.2	12778.6
778.8	52.5°	778.8	725.2	733.8	830.3	1096.3	5990.2	12834.4	14842.5
729.5	55°	725.2	665.1	669.4	750.9	1017.0	6103.9	14319.0	17657.4
673.7	57.5°	665.1	609.3	609.3	678.0	959.0	5290.8	15460.4	21150.3
605.0	60°	598.6	562.1	551.4	620.0	1010.5	3733.2	15593.5	23403.1
517.1	62.5°	525.6	506.3	491.3	564.3	1049.1	2212.0	14522.9	22858.1
407.6	65°	442.0	437.7	427.0	620.0	883.9	1306.6	12467.5	21186.8
347.6	67.5°	371.2	364.7	364.7	650.1	671.5	821.7	9740.6	18886.8
296.1	70°	319.7	296.1	296.1	491.3	407.6	568.6	6801.2	16404.5
244.6	72.5°	268.2	242.4	225.3	392.6	304.7	416.2	4250.2	14048.7
186.7	75°	214.5	195.2	173.8	259.6	227.4	315.4	2469.5	11639.3
118.0	77.5°	154.5	145.9	122.3	190.9	165.2	227.4	1469.7	8981.0
72.9	80°	79.4	81.5	77.2	109.4	111.6	154.5	836.7	6146.8
47.2	82.5°	47.2	36.5	40.8	53.6	64.4	88.0	315.4	3613.0
34.3	85°	30.0	19.3	19.3	25.7	32.2	34.3	96.5	1465.4
17.2	87.5°	15.0	6.4	8.6	12.9	10.7	8.6	4.3	369.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)