

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: P648105

Luminaire Tested: **GALN-SA8A-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21534.1 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

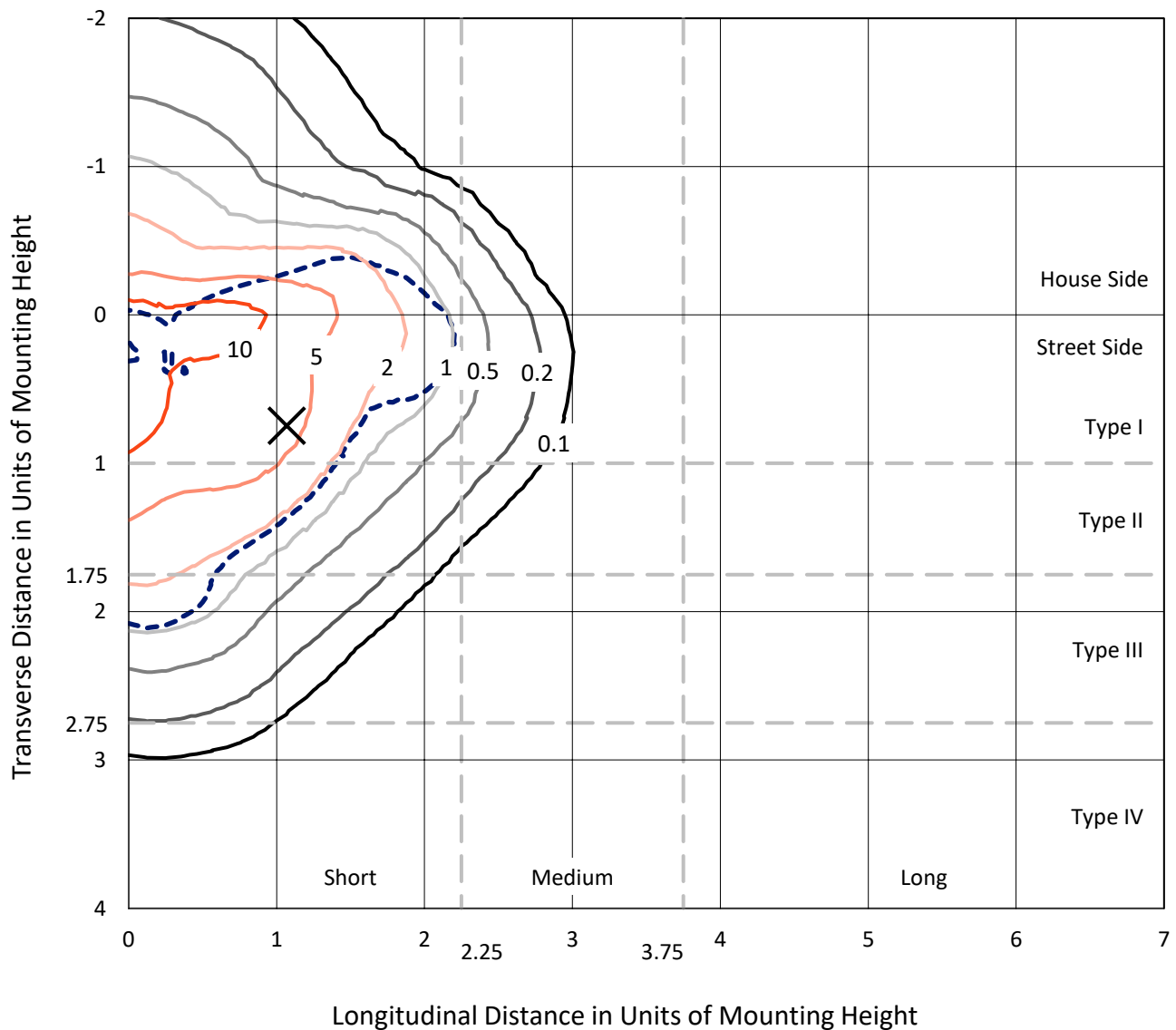
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648105
 CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

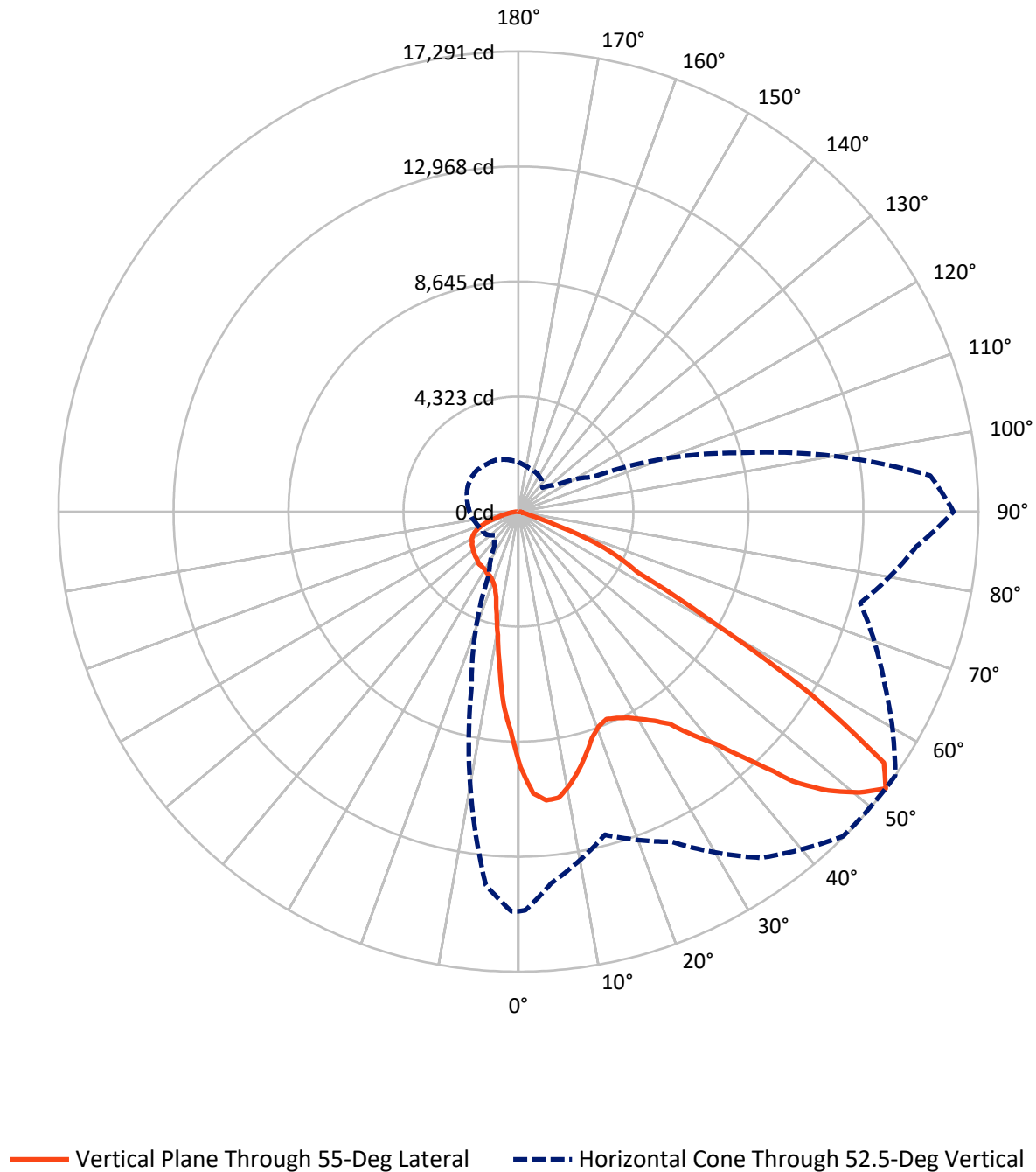
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Short - N/A

REPORT NUMBER: P648105
CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P648105

CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

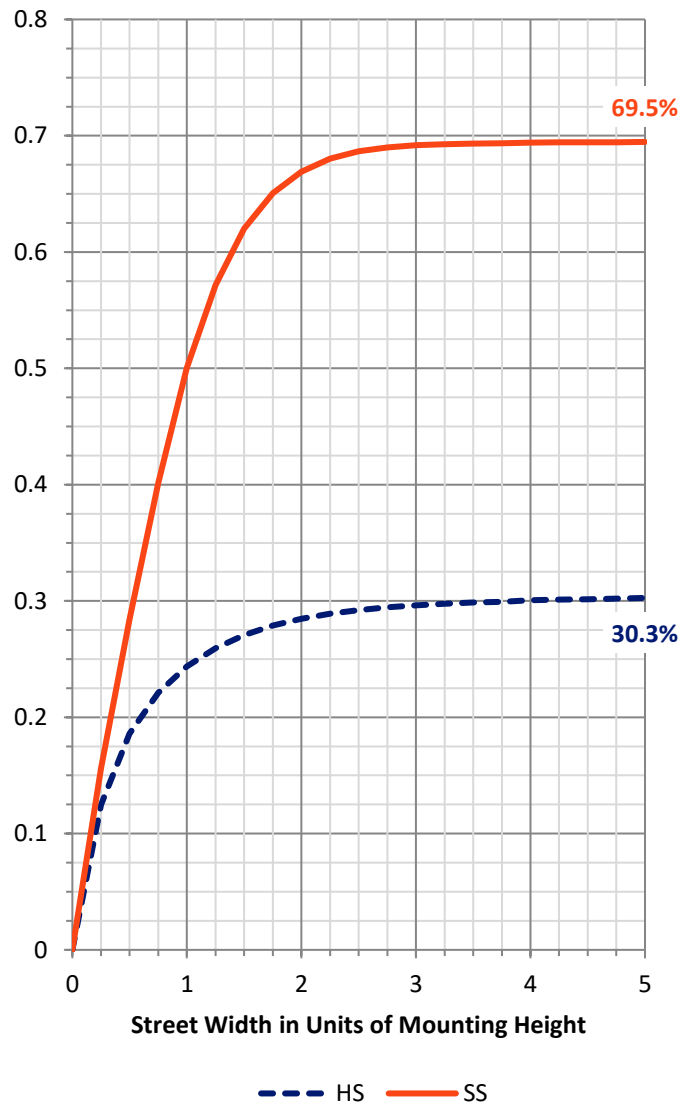
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6569.1	0.0	6569.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	14965.0	0.0	14965.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	21534.1	0.0	21534.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.9	3.4
10°-20°	1582.3	7.3
20°-30°	2399.3	11.1
30°-40°	3466.6	16.1
40°-50°	4632.4	21.5
50°-60°	5170.7	24.0
60°-70°	2836.4	13.2
70°-80°	613.2	2.8
80°-90°	99.2	0.5
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°	21534.1	100.0
0°-180°	21534.1	100.0

Coefficient of Utilization



REPORT NUMBER: P648105

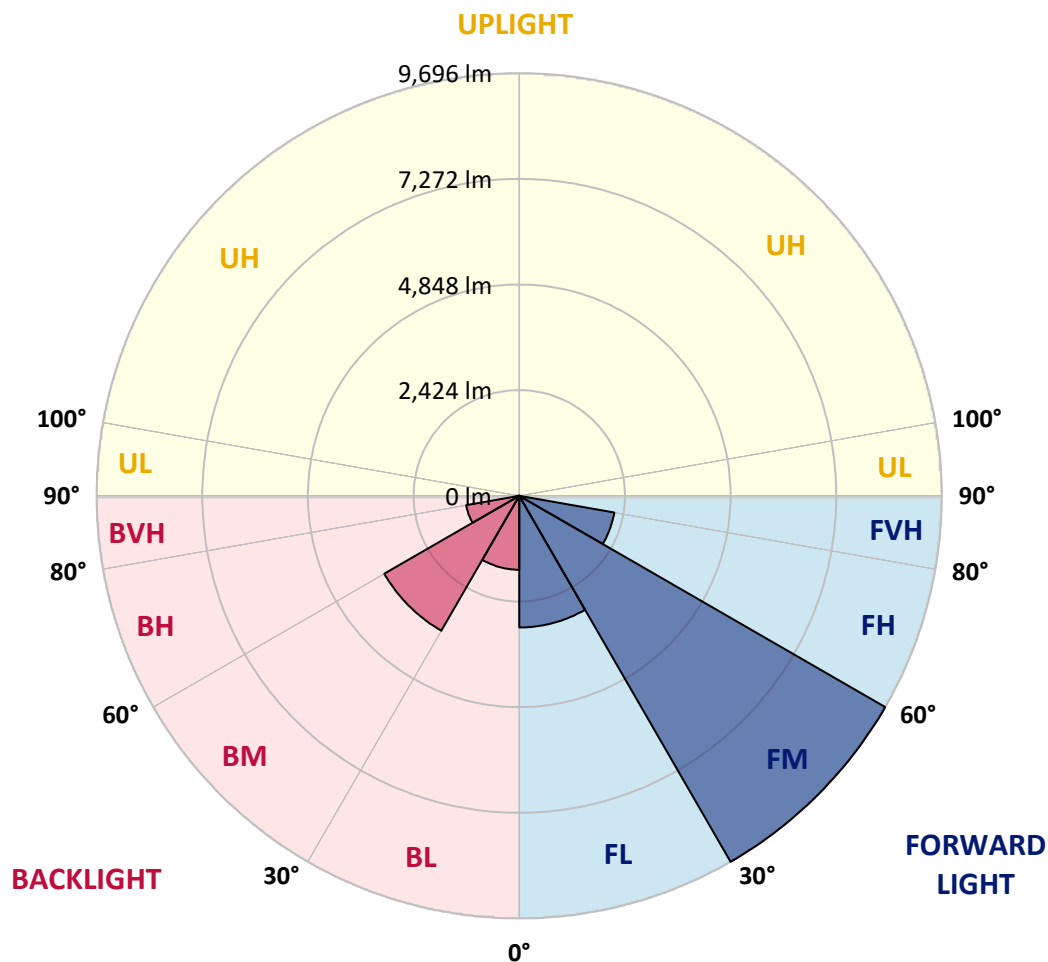
CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3019.5	14.0			
FM	(30°-60°)	9695.6	45.0			
FH	(60°-80°)	2213.2	10.3			G2/5000
FVH	(80°-90°)	36.7	0.2			G1/100
BL	(0°-30°)	1696.0	7.9	B3/2500		
BM	(30°-60°)	3574.1	16.6	B3/5000		
BH	(60°-80°)	1236.4	5.7	B3/2500		G3/2500
BVH	(80°-90°)	62.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P648105

CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8
2.5°	10080.7	10024.0	10074.4	10313.4	10451.6	10546.0	10605.7	10596.3	10369.9	10149.8	10149.8
5°	9785.1	9712.8	9816.5	10357.4	10901.3	10948.5	11027.1	10898.2	10564.9	10162.4	9659.3
7.5°	8929.8	8983.3	9156.2	9866.8	10574.3	10929.6	11023.9	10860.4	10319.6	9568.1	8829.2
10°	8190.9	8316.7	8716.0	9483.2	10134.1	10596.3	10700.1	10470.5	10042.9	9121.6	8461.3
12.5°	7936.3	7857.6	8301.0	9068.2	9690.7	9939.2	9986.3	10002.0	9712.8	8895.3	8090.3
15°	7904.8	7955.1	8301.0	8882.7	9266.3	9278.9	9357.5	9480.1	9517.8	9049.3	8263.2
17.5°	8357.6	8297.8	8653.2	9115.4	8933.0	8750.6	8769.4	8945.5	9256.9	9181.4	8807.2
20°	9027.3	9162.5	9442.4	9395.2	8904.7	8442.5	8445.6	8612.3	9225.4	9728.5	9565.0
22.5°	10140.4	10272.5	10480.0	9910.8	8904.7	8351.2	8244.4	8470.7	9426.6	10379.4	10420.2
25°	11156.0	11398.1	11454.7	10785.0	9351.1	8436.2	8367.0	8590.2	9627.8	11014.5	11401.3
27.5°	12080.4	12168.4	12416.9	11347.8	9599.6	8492.8	8486.5	8772.7	9882.6	11332.0	12278.5
30°	12809.9	12800.5	12942.0	11703.1	9995.8	8810.3	8505.3	9046.2	10215.9	11857.2	13089.7
32.5°	13306.7	13413.7	13712.3	12196.8	10162.4	9112.2	8873.3	9366.9	10621.5	12105.6	13662.0
35°	14180.8	14366.3	13989.0	12470.3	10690.6	9410.9	9131.0	9803.9	10822.7	12376.0	14363.2
37.5°	15004.6	14863.1	14479.5	12618.1	11033.4	9964.3	9703.3	10649.7	11448.4	12964.0	14828.5
40°	15532.8	15529.7	14847.4	12737.6	11275.5	10810.1	10794.4	11508.1	12215.7	13335.0	15350.5
42.5°	15762.4	15982.5	14998.4	12725.0	11784.9	11835.2	12152.8	12791.0	12759.6	13410.4	15338.0
44°	16076.9	16208.9	15259.3	12753.3	12124.4	12526.9	13275.3	13680.9	13234.4	13369.6	15322.2
45°	16064.3	16073.7	14888.3	12791.0	12413.8	13105.5	13775.2	14460.7	13652.5	13281.6	15529.7
47.5°	15696.4	15589.5	14573.9	12511.2	13316.2	14633.6	15253.0	15668.1	14168.2	13092.9	15271.9
50°	14970.0	14847.4	13809.8	12391.7	13504.8	15583.2	16438.5	16589.3	14636.8	12907.4	15017.2
52.5°	15020.4	14985.8	14026.7	12570.9	13693.5	15881.9	17252.8	17290.5	15168.1	13297.3	15020.4
55°	15919.6	15800.2	14649.3	12794.2	13555.1	15532.8	16734.0	16668.0	14988.9	13061.5	15297.1
57.5°	14567.6	14646.2	13787.8	11910.6	11863.5	12627.5	13155.8	12992.2	12508.0	11788.0	14231.1
60°	11753.5	11976.7	12058.4	9961.2	8951.8	8558.8	8401.6	8112.3	8194.1	9684.5	12501.8
62.5°	10080.7	10068.0	10580.6	9030.4	5864.1	5043.5	4968.0	5034.1	5977.3	9533.6	12243.9
65°	7992.9	8206.6	8363.8	7653.3	4641.0	3744.9	3741.7	4159.9	5172.4	7967.7	9885.7
67.5°	5074.9	5354.8	5549.7	4895.7	3103.4	2666.3	2594.1	3097.2	3584.5	5225.8	5952.2
70°	2861.3	2993.4	3081.4	2823.6	1974.6	1383.5	1301.7	1421.2	2166.4	3383.3	3527.9
72.5°	1103.6	1163.4	1282.9	1292.3	745.2	446.5	361.6	433.9	911.9	1339.5	1276.6
75°	169.8	182.4	257.8	308.1	213.8	163.5	173.0	179.2	254.7	345.9	289.2
77.5°	81.7	81.7	78.6	91.2	106.9	116.4	125.7	138.4	151.0	166.6	160.4
80°	53.5	53.5	53.5	62.9	78.6	94.4	106.9	113.2	119.5	132.1	125.7
82.5°	34.6	34.6	34.6	47.1	62.9	78.6	84.9	100.6	113.2	132.1	122.6
85°	18.9	18.9	18.9	31.5	47.1	66.0	62.9	50.3	28.3	3.1	6.3
87.5°	6.3	6.3	6.3	6.3	0.0	0.0	0.0	0.0	0.0	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	0.0



REPORT NUMBER: P648105

CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8
2.5°	9885.7	9741.1	9728.5	9433.0	9168.8	9039.9	8936.1	8646.8	8709.7	8543.1	8539.9
5°	9407.7	9112.2	8634.3	8241.2	7848.2	7769.6	7426.8	7128.1	7137.6	6923.8	6961.5
7.5°	8549.3	8345.0	7763.3	7147.0	6625.0	6254.1	5930.1	5735.2	5486.8	5401.9	5357.9
10°	8005.4	7753.9	7099.9	6326.3	5741.5	5543.4	5232.2	5059.2	4804.5	4678.7	4590.7
12.5°	7766.4	7398.6	6581.0	5795.0	5405.0	5200.7	4936.6	4622.1	4320.3	4203.9	4043.6
15°	7791.6	7351.4	6430.1	5581.1	5112.7	4716.5	4480.6	4131.7	3823.5	3619.1	3502.8
17.5°	8172.1	7637.5	6499.3	5417.7	4744.7	4247.9	3785.7	3408.4	3163.2	3009.1	2971.4
20°	9071.3	8345.0	6615.6	5153.5	4376.9	3757.5	3188.3	2795.3	2606.6	2603.5	2606.6
22.5°	9819.7	9099.6	6851.5	4996.3	4009.0	3128.6	2562.6	2436.9	2399.1	2477.7	2487.1
25°	10829.0	9948.6	7257.1	4914.6	3669.4	2666.3	2317.4	2270.2	2267.0	2367.6	2370.8
27.5°	11863.5	10690.6	7499.2	4675.6	3323.5	2427.4	2169.5	2160.1	2210.4	2317.4	2307.9
30°	12567.8	11313.3	7936.3	4389.4	2914.8	2216.8	2109.8	2122.4	2191.6	2273.4	2285.9
32.5°	13388.4	11926.3	8049.4	4232.3	2663.2	2040.7	1965.2	1993.5	2081.5	2210.4	2279.6
35°	14328.6	12360.3	8222.4	4018.4	2568.9	1905.4	1867.7	1899.2	2006.0	2091.0	2166.4
37.5°	15023.5	13127.5	8253.8	3851.8	2465.1	1829.9	1770.2	1874.0	1936.9	2056.4	2094.1
40°	15539.2	13684.0	8335.6	3748.0	2383.4	1732.5	1732.5	1801.7	1886.6	1996.6	2072.1
42.5°	15869.3	14089.6	8395.3	3653.7	2226.1	1704.2	1688.5	1757.7	1870.9	1977.8	2012.4
44°	16070.5	14262.6	8335.6	3565.6	2182.1	1669.6	1669.6	1729.3	1817.4	1943.2	1984.0
45°	16120.9	14479.5	8203.5	3562.5	2128.7	1628.7	1622.5	1735.7	1795.4	1949.4	1974.6
47.5°	16315.8	14746.8	8219.2	3461.9	1999.8	1531.3	1641.3	1691.7	1745.1	1880.3	1965.2
50°	16309.5	14913.5	8184.6	3314.1	1905.4	1421.2	1603.6	1660.2	1713.7	1852.0	1886.6
52.5°	16353.6	15536.1	8502.2	3078.3	1735.7	1279.7	1477.8	1603.6	1669.6	1785.9	1858.3
55°	16331.5	15891.3	8816.7	2902.2	1496.7	1194.9	1371.0	1518.7	1613.1	1735.7	1770.2
57.5°	14916.6	14045.6	8159.5	2572.1	1238.9	1094.2	1220.0	1430.7	1550.1	1675.9	1719.9
60°	12187.3	10825.8	6728.8	1892.9	1018.8	1006.2	1135.1	1402.4	1452.7	1562.7	1638.2
62.5°	11262.9	9495.8	5335.9	1446.4	871.0	921.3	1047.0	1267.1	1345.7	1481.0	1550.1
65°	8813.5	6307.5	3304.7	977.9	767.2	826.9	946.4	1109.9	1238.9	1364.6	1446.4
67.5°	5219.6	3446.1	1635.1	685.4	669.7	732.7	855.3	977.9	1125.6	1264.0	1304.9
70°	2842.4	1694.8	698.0	521.9	569.1	625.7	745.2	830.1	971.6	1078.5	1147.6
72.5°	911.9	515.7	349.0	386.7	433.9	499.9	572.3	676.0	776.7	839.5	896.1
75°	220.1	217.0	248.4	270.4	314.5	364.7	424.5	477.9	556.6	616.3	666.6
77.5°	154.1	166.6	191.8	223.2	239.0	257.8	295.6	336.5	371.1	415.1	446.5
80°	119.5	128.9	147.8	163.5	179.2	195.0	213.8	229.5	251.6	279.8	295.6
82.5°	113.2	119.5	138.4	147.8	141.5	138.4	151.0	157.2	160.4	169.8	179.2
85°	9.4	0.0	6.3	22.0	53.5	78.6	84.9	84.9	81.7	88.0	88.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	12.6	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P648105

CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8
2.5°	8502.2	8395.3	8436.2	8486.5	8414.2	8247.5	8291.5	8272.7	8442.5	8429.9	8599.7
5°	7128.1	6961.5	6980.4	7225.6	7147.0	7231.9	7062.1	7040.1	7071.6	7087.2	7115.6
7.5°	5455.4	5433.4	5622.0	5829.5	5927.0	5826.4	5659.8	5622.0	5587.4	5518.3	5675.5
10°	4452.4	4458.6	4446.0	4603.3	4713.3	4691.3	4590.7	4578.1	4512.1	4486.9	4575.0
12.5°	3974.4	3889.5	3848.6	3798.3	3883.2	3939.8	3895.8	3864.3	3867.5	3898.9	3911.6
15°	3512.2	3458.7	3370.7	3314.1	3355.0	3326.7	3311.0	3373.9	3358.1	3351.9	3427.3
17.5°	2993.4	3037.4	3031.1	2968.2	3021.7	2999.7	2996.5	2952.5	2892.8	2848.7	2873.9
20°	2650.7	2732.4	2795.3	2798.4	2826.7	2823.6	2776.4	2641.2	2597.2	2587.7	2594.1
22.5°	2528.0	2572.1	2647.5	2754.4	2754.4	2704.1	2647.5	2490.3	2449.4	2405.4	2386.5
25°	2430.6	2515.5	2612.9	2625.5	2675.8	2628.6	2537.5	2458.9	2374.0	2314.2	2314.2
27.5°	2380.2	2474.6	2546.9	2568.9	2638.1	2600.3	2506.0	2405.4	2304.8	2301.6	2248.1
30°	2358.2	2446.2	2493.5	2546.9	2578.3	2518.6	2490.3	2383.4	2282.8	2257.6	2169.5
32.5°	2292.2	2418.0	2506.0	2493.5	2518.6	2493.5	2452.6	2364.5	2251.4	2194.7	2185.3
35°	2216.8	2342.5	2436.9	2502.9	2518.6	2465.1	2440.0	2320.5	2166.4	2138.1	2040.7
37.5°	2175.9	2251.4	2367.6	2474.6	2496.6	2468.3	2383.4	2260.8	2106.7	2075.3	1990.3
40°	2125.5	2223.0	2314.2	2402.2	2468.3	2399.1	2301.6	2182.1	2113.0	2018.7	1993.5
42.5°	2087.8	2197.9	2273.4	2370.8	2446.2	2355.1	2241.9	2160.1	2062.7	1999.8	1927.4
44°	2075.3	2175.9	2226.1	2345.6	2408.5	2339.4	2245.0	2160.1	2046.9	1990.3	1927.4
45°	2031.3	2169.5	2223.0	2329.9	2383.4	2326.8	2207.3	2122.4	2040.7	1971.5	1905.4
47.5°	1987.2	2081.5	2172.7	2257.6	2295.4	2276.5	2175.9	2072.1	1974.6	1933.8	1870.9
50°	1974.6	2068.9	2153.9	2232.5	2276.5	2238.8	2147.5	2046.9	1933.8	1867.7	1814.3
52.5°	1911.8	2028.0	2122.4	2147.5	2204.1	2182.1	2113.0	2002.9	1896.0	1839.4	1795.4
55°	1820.6	1943.2	2072.1	2103.5	2185.3	2150.7	2046.9	1943.2	1852.0	1767.1	1710.5
57.5°	1785.9	1905.4	2031.3	2072.1	2122.4	2065.8	2040.7	1930.6	1785.9	1741.9	1653.9
60°	1697.9	1848.8	1952.6	2046.9	2050.1	2034.4	1990.3	1864.6	1745.1	1663.3	1600.5
62.5°	1628.7	1770.2	1852.0	1940.0	1993.5	1949.4	1905.4	1789.1	1660.2	1569.0	1496.7
65°	1528.1	1657.1	1726.2	1779.7	1839.4	1833.2	1757.7	1672.8	1537.6	1465.2	1396.1
67.5°	1374.1	1487.2	1581.6	1631.9	1669.6	1660.2	1603.6	1543.8	1405.5	1333.2	1282.9
70°	1188.5	1304.9	1364.6	1393.0	1430.7	1449.5	1405.5	1377.2	1254.6	1160.2	1113.1
72.5°	955.9	1031.4	1119.4	1144.5	1160.2	1172.9	1172.9	1147.6	1021.9	984.2	902.4
75°	704.3	764.1	830.1	830.1	858.4	861.5	867.8	852.1	757.8	707.4	688.6
77.5°	477.9	521.9	575.4	597.4	616.3	613.2	610.0	566.0	515.7	493.7	474.8
80°	311.3	355.3	380.5	408.7	427.6	424.5	430.8	399.3	377.3	339.6	345.9
82.5°	185.5	220.1	245.2	279.8	279.8	289.2	289.2	279.8	257.8	239.0	239.0
85°	88.0	116.4	132.1	154.1	166.6	169.8	151.0	128.9	106.9	97.5	106.9
87.5°	15.7	22.0	31.5	28.3	34.6	31.5	31.5	31.5	31.5	25.1	28.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P648105

CATALOG NUMBER: GALN-SA8A-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8	9605.8
2.5°	8536.8	8694.0	8804.1	8986.4	9300.9	9552.4	9810.2	10002.0	10024.0	10080.7
5°	7219.3	7304.2	7584.1	7948.8	8206.6	8631.1	8904.7	9401.5	9587.0	9785.1
7.5°	5637.8	5776.1	6150.2	6395.5	6961.5	7492.9	8043.1	8656.3	8901.5	8929.8
10°	4754.2	4955.5	5210.1	5603.1	5911.3	6502.4	7187.9	7870.2	8143.7	8190.9
12.5°	4175.7	4433.5	4773.1	5056.1	5351.6	5867.3	6524.4	7367.1	7722.4	7936.3
15°	3619.1	3886.3	4260.5	4653.6	4914.6	5530.8	6304.3	7253.9	7716.2	7904.8
17.5°	3046.8	3295.3	3603.4	4027.8	4553.0	5244.7	6269.7	7631.2	8137.5	8357.6
20°	2556.3	2694.7	3053.2	3490.1	4147.3	4952.3	6282.3	8187.8	8929.8	9027.3
22.5°	2364.5	2396.0	2537.5	2939.9	3660.0	4653.6	6505.6	8977.0	9819.7	10140.4
25°	2216.8	2210.4	2248.1	2518.6	3304.7	4537.3	6725.7	9703.3	10807.0	11156.0
27.5°	2135.0	2072.1	2075.3	2329.9	3053.2	4348.5	7008.6	10536.6	11926.3	12080.4
30°	2094.1	2081.5	2043.8	2147.5	2779.6	4065.6	7055.8	11357.3	12586.6	12809.9
32.5°	2068.9	1946.3	1899.2	1936.9	2521.7	3757.5	7231.9	11898.1	13404.2	13306.7
35°	1943.2	1833.2	1801.7	1839.4	2339.4	3584.5	7115.6	12369.7	14017.3	14180.8
37.5°	1896.0	1798.6	1735.7	1704.2	2169.5	3439.9	7055.8	13096.1	14611.6	15004.6
40°	1852.0	1748.2	1672.8	1641.3	2037.5	3248.0	7037.0	13655.8	15297.1	15532.8
42.5°	1801.7	1735.7	1650.8	1594.2	1877.2	3056.3	6820.0	13828.6	15507.7	15762.4
44°	1785.9	1685.3	1597.3	1578.4	1814.3	2958.8	6776.0	13985.9	15690.1	16076.9
45°	1770.2	1675.9	1575.3	1550.1	1792.3	2905.3	6716.3	14023.6	15991.9	16064.3
47.5°	1726.2	1666.5	1569.0	1499.8	1745.1	2789.0	6537.0	13809.8	15683.8	15696.4
50°	1691.7	1622.5	1521.8	1386.6	1682.2	2691.6	6618.8	13731.2	14941.8	14970.0
52.5°	1653.9	1550.1	1493.6	1260.9	1578.4	2609.7	6791.7	14086.5	15026.6	15020.4
55°	1609.8	1496.7	1358.3	1154.0	1405.5	2506.0	7209.9	14787.7	15812.7	15919.6
57.5°	1540.7	1443.2	1245.1	1059.6	1207.4	2307.9	7074.7	13445.0	14548.7	14567.6
60°	1449.5	1358.3	1128.8	987.3	990.5	1820.6	6326.3	10476.9	11479.9	11753.5
62.5°	1361.5	1311.2	1031.4	883.5	842.7	1449.5	5348.4	8706.6	9854.3	10080.7
65°	1257.7	1135.1	946.4	804.9	723.2	1015.6	3788.9	6505.6	7687.8	7992.9
67.5°	1125.6	993.6	833.3	707.4	619.4	679.2	1955.8	3697.7	4895.7	5074.9
70°	984.2	861.5	701.2	597.4	499.9	468.5	861.5	1763.9	2675.8	2861.3
72.5°	808.1	694.9	559.7	471.7	374.2	323.8	289.2	471.7	949.5	1103.6
75°	584.8	506.2	421.3	336.5	264.1	207.5	169.8	141.5	157.2	169.8
77.5°	430.8	367.9	311.3	239.0	185.5	147.8	116.4	88.0	84.9	81.7
80°	336.5	298.7	248.4	191.8	144.6	110.1	81.7	59.7	53.5	53.5
82.5°	264.1	245.2	204.4	157.2	119.5	88.0	59.7	40.9	34.6	34.6
85°	100.6	100.6	147.8	128.9	91.2	62.9	40.9	22.0	18.9	18.9
87.5°	25.1	25.1	25.1	25.1	22.0	18.9	18.9	9.4	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)