

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: P648606

Luminaire Tested: **GALN-SA8B-835-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8B-835-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31012.3 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

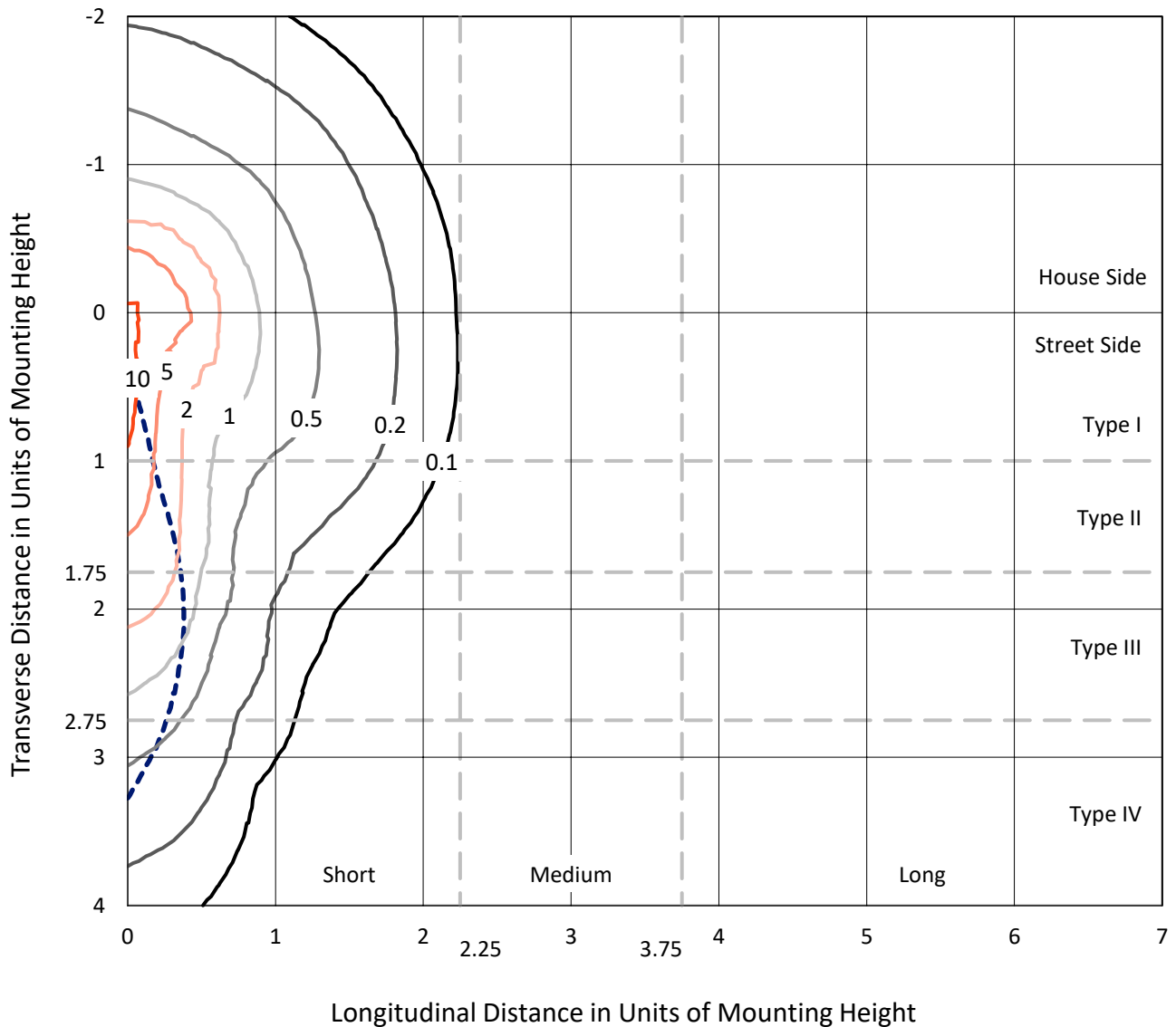
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P648606  
 CATALOG NUMBER: GALN-SA8B-835-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

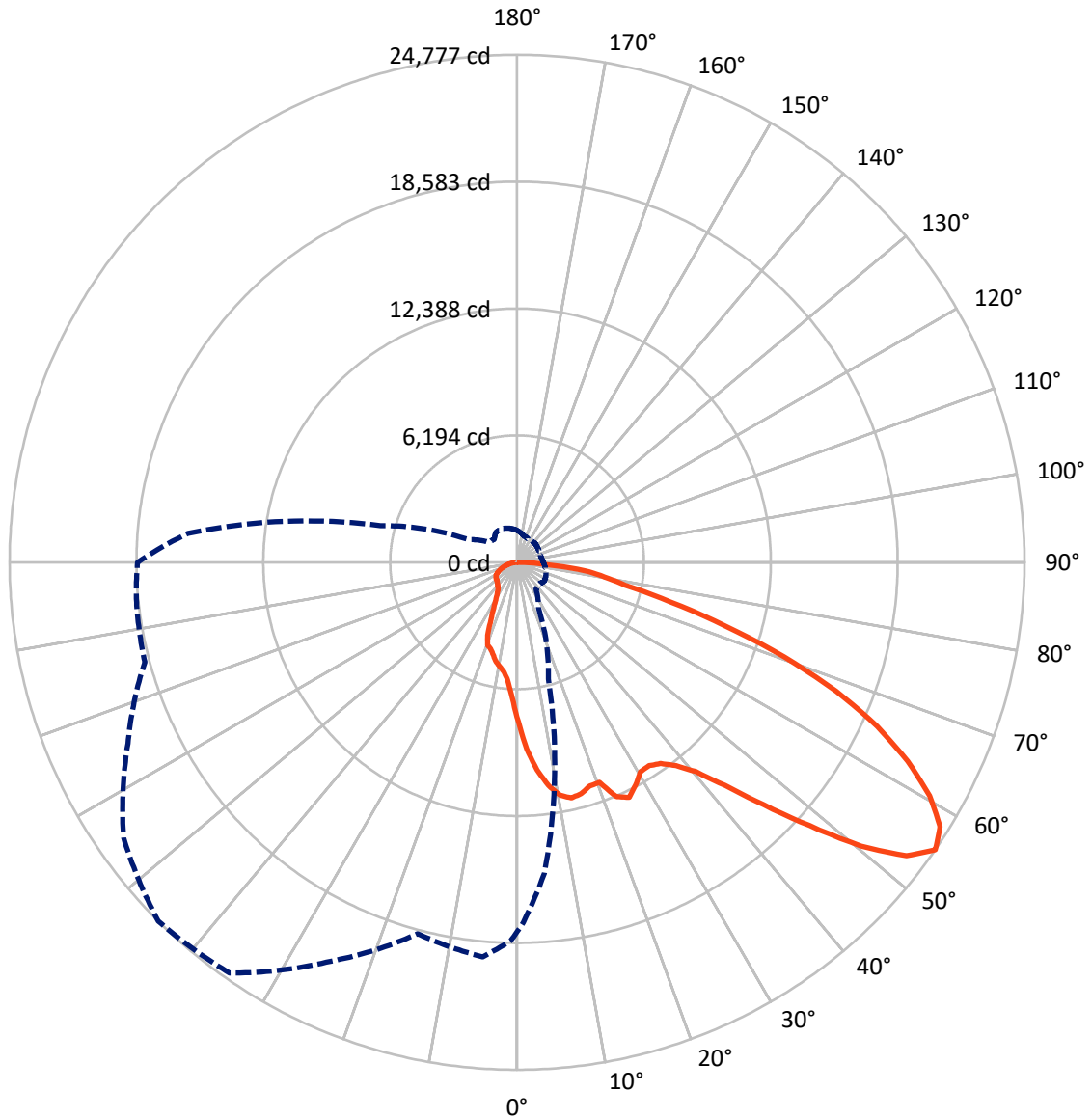
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P648606  
CATALOG NUMBER: GALN-SA8B-835-U-SLR

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P648606  
 CATALOG NUMBER: GALN-SA8B-835-U-SLR

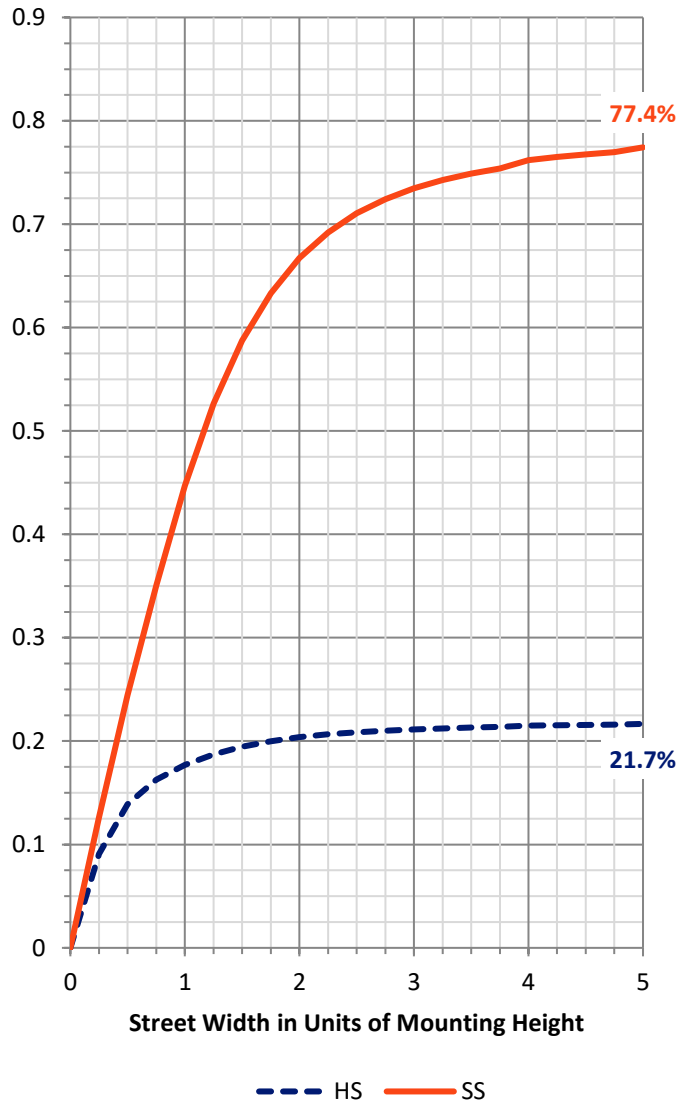
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6783.8	0.0	6783.8
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	24228.5	0.0	24228.5
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	31012.3	0.0	31012.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	659.6	2.1
10°-20°	1750.0	5.6
20°-30°	3023.2	9.7
30°-40°	3513.4	11.3
40°-50°	4901.9	15.8
50°-60°	6651.4	21.4
60°-70°	6328.0	20.4
70°-80°	3418.6	11.0
80°-90°	766.1	2.5
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°	31012.3	100.0
0°-180°	31012.3	100.0

**Coefficient of Utilization**



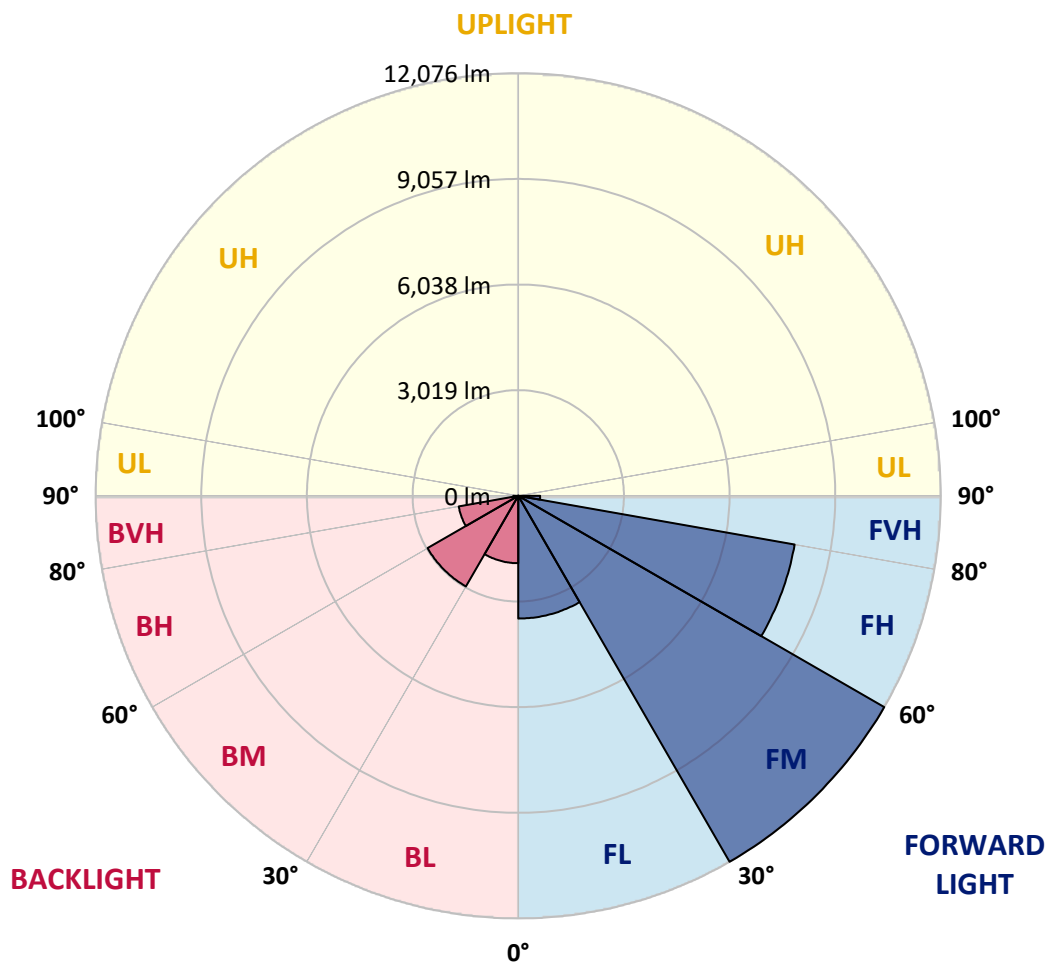
REPORT NUMBER: P648606  
 CATALOG NUMBER: GALN-SA8B-835-U-SLR

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3507.6	11.3			
FM (30°-60°)	12075.5	38.9			
FH (60°-80°)	8019.3	25.9			G4/12000
FVH (80°-90°)	626.1	2.0			G4/750
BL (0°-30°)	1925.3	6.2	B3/2500		
BM (30°-60°)	2991.2	9.6	B3/5000		
BH (60°-80°)	1727.3	5.6	B3/2500		G3/2500
BVH (80°-90°)	140.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short





REPORT NUMBER: P648606  
 CATALOG NUMBER: GALN-SA8B-835-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9
2.5°	8646.3	8613.5	8521.5	8280.1	8036.6	7789.0	7598.7	7361.4	7113.9	6980.8	6811.0
5°	8764.9	8728.1	8511.2	7967.0	7473.9	6956.3	6543.0	6180.8	6033.6	5816.7	5642.8
7.5°	8486.7	8470.3	8145.0	7363.4	6688.3	6011.1	5542.5	5252.0	4988.1	4889.8	4910.3
10°	8233.0	8167.6	7760.4	6739.4	5951.7	5401.4	5065.9	4781.5	4595.3	4546.2	4556.4
12.5°	8022.2	7934.3	7453.5	6320.0	5630.5	5190.7	4763.0	4466.4	4296.6	4343.6	4503.2
15°	7979.3	7860.6	7324.6	6176.8	5454.5	4887.8	4419.3	4077.6	3950.8	4053.0	4308.8
17.5°	8257.5	8108.2	7545.5	6223.8	5286.8	4578.9	4003.9	3613.2	3506.8	3670.5	4003.9
20°	9151.6	8930.7	8235.0	6495.9	5270.5	4425.4	3762.5	3369.7	3414.7	3725.7	4073.6
22.5°	10804.8	10473.3	9442.1	6892.9	5356.3	4386.5	3713.5	3508.9	3756.4	4020.3	4249.5
25°	11132.1	10872.3	9659.0	6982.9	5337.9	4360.0	3852.6	3954.9	4231.1	4362.0	4282.2
27.5°	11316.2	11019.6	9644.7	6536.9	4773.2	3954.9	3682.8	3852.6	3922.1	3795.3	3578.4
30°	11745.9	11437.0	9888.2	6068.3	3930.3	2933.9	2571.8	2502.2	2549.3	2573.8	2496.0
32.5°	12337.2	12032.4	10346.5	5761.5	3398.4	2426.5	2070.5	1972.3	1949.8	1923.2	1892.5
35°	13102.4	12633.9	10796.6	5565.0	3179.4	2244.4	1917.1	1841.4	1810.7	1773.9	1741.2
37.5°	13879.8	13388.8	11365.4	5358.4	3034.2	2117.5	1814.8	1780.0	1726.8	1687.9	1640.9
40°	14706.5	14156.1	11883.0	5178.4	2893.0	2035.7	1741.2	1737.0	1667.5	1622.5	1567.2
42.5°	15422.5	14855.8	12345.4	5067.9	2784.6	1949.8	1696.1	1708.3	1636.8	1569.3	1497.6
45°	15991.3	15434.8	12773.0	5067.9	2696.6	1863.9	1687.9	1679.8	1608.1	1524.3	1442.4
47.5°	16490.5	15915.6	13190.3	5196.8	2641.4	1792.3	1642.9	1657.2	1583.6	1477.2	1397.4
50°	16877.2	16369.8	13753.0	5397.3	2586.1	1735.0	1585.7	1663.4	1563.1	1452.6	1360.5
52.5°	17370.3	16916.1	14430.2	5671.4	2539.0	1671.5	1534.4	1663.4	1561.1	1454.7	1354.4
55°	18053.6	17574.9	15246.6	5898.5	2463.3	1612.2	1489.5	1616.3	1555.0	1444.5	1338.1
57.5°	18532.4	18174.4	15823.6	6049.9	2355.0	1536.6	1448.6	1571.3	1528.3	1405.6	1289.0
58°	18554.9	18205.1	15907.4	6084.7	2328.3	1522.2	1438.3	1550.8	1516.0	1389.2	1272.6
60°	18297.1	17996.4	15923.8	6035.6	2176.9	1450.6	1385.1	1467.0	1450.6	1293.0	1184.6
62.5°	17360.0	17038.9	15262.9	5636.7	1976.4	1362.7	1303.3	1354.4	1317.6	1158.1	1057.8
65°	16028.2	15436.8	13904.4	5010.6	1833.2	1268.5	1192.8	1196.9	1158.1	1043.4	955.5
67.5°	14254.3	13593.4	11772.5	4222.9	1724.7	1164.2	1061.8	1051.6	1004.6	930.9	859.3
70°	12071.2	11619.1	9566.9	3435.2	1604.1	1049.6	914.5	908.4	879.8	824.5	761.1
72.5°	9783.8	9208.9	7725.5	2749.8	1456.7	939.1	777.4	789.7	752.9	714.0	656.8
75°	7220.2	6843.7	5972.2	2205.6	1258.3	818.4	648.6	652.6	636.3	595.4	550.4
77.5°	4754.8	4642.3	4272.0	1448.6	967.7	650.6	529.9	534.0	521.7	484.9	437.9
80°	3199.9	3124.2	2895.1	932.9	646.5	470.6	409.2	413.3	411.2	372.4	309.0
82.5°	1972.3	1939.6	1865.9	630.2	448.0	337.6	270.1	282.3	304.8	261.9	210.7
85°	930.9	932.9	1127.4	343.7	263.9	216.9	147.3	157.5	157.5	157.5	118.7
87.5°	120.7	126.8	155.5	145.2	96.2	81.8	53.2	45.0	38.8	51.1	36.8
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: P648606  
 CATALOG NUMBER: GALN-SA8B-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9
2.5°	6751.7	6710.8	6622.8	6602.3	6590.0	6624.9	6532.8	6557.3	6516.4	6631.0	6612.6
5°	5653.0	5657.1	5728.7	5775.8	5792.2	5775.8	5714.4	5608.0	5526.2	5493.4	5501.6
7.5°	4871.4	4943.1	5065.9	5202.9	5327.7	5364.6	5329.7	5127.2	4906.2	4767.1	4722.1
10°	4611.6	4707.8	4849.0	4957.4	5067.9	5155.8	5174.2	5016.7	4754.8	4425.4	4296.6
12.5°	4626.0	4756.9	4891.9	4926.7	4916.5	4951.2	4934.9	4908.3	4736.4	4317.0	4102.1
15°	4490.9	4646.4	4740.5	4722.1	4689.4	4658.7	4615.7	4548.2	4486.8	4192.2	3954.9
17.5°	4179.9	4339.5	4417.2	4423.4	4423.4	4415.2	4310.9	4286.3	4278.2	4134.9	3989.6
20°	4237.2	4325.2	4290.4	4233.1	4249.5	4304.7	4243.3	4231.1	4278.2	4341.6	4315.0
22.5°	4269.9	4239.2	3977.4	3723.6	3666.4	3838.3	3873.0	4010.1	4200.4	4429.5	4578.9
25°	4067.4	3819.9	3351.3	3064.9	2903.2	3062.8	3271.5	3525.2	3809.6	4104.3	4278.2
27.5°	3400.4	3212.2	2876.7	2618.8	2477.6	2502.2	2680.2	2911.4	3175.4	3373.8	3500.6
30°	2561.6	2477.6	2303.7	2215.8	2129.8	2109.4	2185.1	2273.0	2389.7	2414.2	2447.0
32.5°	1886.4	1874.1	1884.4	1855.7	1839.3	1837.3	1814.8	1835.3	1847.5	1861.8	1833.2
35°	1706.3	1689.9	1661.3	1653.1	1642.9	1647.0	1636.8	1626.5	1634.7	1647.0	1655.2
37.5°	1614.2	1589.7	1548.8	1534.4	1534.4	1540.6	1524.3	1520.2	1534.4	1573.4	1593.8
40°	1542.7	1514.0	1467.0	1448.6	1460.8	1477.2	1454.7	1446.5	1481.3	1522.2	1555.0
42.5°	1475.2	1452.6	1407.6	1387.2	1397.4	1428.1	1395.4	1389.2	1434.2	1479.2	1518.1
45°	1417.9	1395.4	1354.4	1344.2	1348.3	1376.9	1354.4	1354.4	1397.4	1446.5	1481.3
47.5°	1372.8	1344.2	1317.6	1309.4	1313.5	1329.8	1325.8	1325.8	1366.7	1417.9	1452.6
50°	1327.8	1303.3	1268.5	1272.6	1282.8	1305.3	1303.3	1309.4	1350.4	1413.8	1450.6
52.5°	1307.4	1270.6	1231.7	1235.7	1266.4	1293.0	1284.9	1291.0	1338.1	1456.7	1509.9
55°	1284.9	1235.7	1190.8	1196.9	1231.7	1270.6	1260.3	1268.5	1323.7	1485.4	1559.0
57.5°	1241.9	1184.6	1135.5	1139.6	1190.8	1231.7	1215.3	1225.6	1291.0	1454.7	1532.4
58°	1223.5	1174.4	1127.4	1129.4	1178.5	1223.5	1205.1	1213.3	1280.8	1446.5	1520.2
60°	1145.8	1117.1	1076.2	1078.2	1125.2	1164.2	1153.9	1162.1	1227.6	1387.2	1442.4
62.5°	1039.4	1023.0	1012.7	1012.7	1041.4	1078.2	1088.4	1098.7	1158.1	1254.2	1303.3
65°	924.8	924.8	926.8	926.8	945.2	992.3	998.4	1025.0	1080.3	1127.4	1164.2
67.5°	847.0	843.0	847.0	836.8	845.0	873.6	904.3	928.9	986.2	1018.9	1031.1
70°	746.7	744.7	746.7	732.5	742.7	767.3	787.7	828.6	887.9	912.5	918.6
72.5°	648.6	648.6	652.6	642.5	642.5	669.0	683.3	728.3	783.6	798.0	800.0
75°	546.3	552.4	552.4	538.1	542.1	558.5	577.0	613.8	664.9	675.2	675.2
77.5°	433.8	456.3	456.3	441.9	448.0	450.1	474.7	493.1	532.0	536.0	519.7
80°	315.1	337.6	356.0	343.7	353.9	341.7	356.0	368.2	407.2	388.8	362.1
82.5°	225.0	241.4	255.7	257.8	247.6	225.0	243.4	245.5	263.9	239.4	225.0
85°	124.8	139.1	157.5	149.3	133.0	118.7	124.8	128.9	126.8	120.7	112.5
87.5°	32.7	34.8	38.8	28.7	26.6	22.5	30.7	30.7	34.8	36.8	34.8
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: P648606

CATALOG NUMBER: GALN-SA8B-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9
2.5°	6626.9	6716.9	6911.3	7058.6	7238.7	7457.5	7715.4	7975.2	8255.5	8343.5	8466.2
5°	5483.2	5708.2	5802.3	6070.4	6336.3	6735.4	7160.9	7654.0	8194.1	8454.0	8703.6
7.5°	4685.2	4806.0	4904.2	5100.6	5419.8	5904.7	6438.7	7054.5	7819.7	8198.2	8564.5
10°	4255.6	4267.9	4388.6	4632.1	4910.3	5337.9	5843.3	6532.8	7386.0	7846.3	8275.9
12.5°	3971.2	3918.1	4049.0	4302.7	4617.7	5012.6	5477.1	6133.8	7072.9	7545.5	8065.2
15°	3721.6	3637.7	3735.9	3995.8	4306.7	4771.2	5270.5	5966.1	6950.1	7500.5	8077.5
17.5°	3727.8	3496.6	3531.3	3750.3	4059.2	4531.8	5137.4	5959.9	7136.3	7770.6	8454.0
20°	4188.1	3817.8	3660.2	3701.2	3999.9	4515.5	5198.8	6246.4	7748.1	8672.9	9403.3
22.5°	4640.3	4417.2	4163.5	4079.7	4243.3	4783.5	5589.6	6923.6	9077.9	10471.3	11791.0
25°	4482.8	4673.0	4609.6	4490.9	4527.7	4975.8	5855.6	7480.1	10111.2	11680.5	12920.3
27.5°	3586.6	3932.4	4001.9	3999.9	4014.2	4382.5	5266.3	7105.6	10240.1	11911.6	13096.2
30°	2520.6	2551.3	2588.1	2659.8	2725.2	3054.6	4120.6	6238.2	10182.8	12016.0	13202.6
32.5°	1818.8	1859.8	1910.9	2009.2	2164.6	2584.1	3605.0	5961.9	10485.6	12447.7	13513.6
35°	1663.4	1710.5	1759.6	1872.1	2019.4	2408.1	3400.4	5847.4	10982.7	13147.4	14072.2
37.5°	1614.2	1667.5	1710.5	1792.3	1910.9	2281.3	3214.2	5769.6	11492.2	13888.1	14821.0
40°	1579.5	1640.9	1675.6	1741.2	1823.0	2164.6	3048.5	5708.2	11985.3	14565.3	15422.5
42.5°	1548.8	1612.2	1657.2	1704.3	1771.8	2060.3	2901.2	5646.8	12412.9	15222.0	16022.0
45°	1512.0	1591.8	1649.1	1685.9	1745.2	1972.3	2788.7	5597.7	12899.8	15805.1	16627.6
47.5°	1481.3	1569.3	1640.9	1683.8	1706.3	1910.9	2698.6	5665.3	13485.0	16414.8	17190.2
50°	1483.3	1567.2	1657.2	1724.7	1665.4	1859.8	2643.4	5933.3	14246.1	17139.1	17634.3
52.5°	1548.8	1651.1	1722.7	1739.0	1608.1	1798.4	2614.8	6401.8	15146.4	17779.5	18082.3
55°	1622.5	1728.9	1806.6	1796.4	1577.4	1720.6	2608.6	6901.0	16132.5	18526.2	18665.4
57.5°	1595.8	1751.3	1870.0	1816.8	1579.5	1644.9	2582.0	7304.1	16957.0	19084.8	19242.4
58°	1587.7	1743.2	1878.2	1812.7	1573.4	1622.5	2575.9	7338.9	17071.6	19123.7	19324.2
60°	1507.9	1671.5	1872.1	1782.0	1538.6	1561.1	2508.3	7451.4	17040.9	18923.2	19373.3
62.5°	1362.7	1497.6	1730.9	1632.7	1432.2	1479.2	2357.0	7312.3	16210.2	17957.5	18655.1
65°	1198.9	1299.2	1454.7	1436.3	1280.8	1395.4	2150.4	6761.9	14546.9	16390.3	17124.8
67.5°	1076.2	1158.1	1256.2	1229.6	1151.9	1282.8	1927.3	5831.0	12680.9	14508.0	15432.8
70°	951.3	1014.8	1063.9	1045.5	1021.0	1172.3	1728.9	4732.3	10892.8	12719.8	13615.9
72.5°	824.5	883.9	924.8	898.2	883.9	1055.7	1567.2	3672.5	8603.3	10493.8	11645.6
75°	689.5	748.9	777.4	746.7	738.6	930.9	1327.8	2743.6	6455.1	8089.8	9084.1
77.5°	534.0	597.4	634.2	624.1	628.1	765.2	1072.1	1878.2	4615.7	5513.9	6561.5
80°	374.4	444.0	468.5	458.3	486.9	583.1	757.0	1192.8	3183.5	3578.4	4317.0
82.5°	231.2	296.7	300.8	311.0	331.4	431.7	570.8	726.3	1998.9	2066.4	2602.5
85°	116.6	141.2	151.4	167.8	186.2	263.9	325.3	450.1	1286.9	973.9	1454.7
87.5°	38.8	41.0	49.1	61.4	75.7	108.4	139.1	184.2	319.2	175.9	450.1
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: P648606

CATALOG NUMBER: GALN-SA8B-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9	7782.9
2.5°	8713.8	8887.7	9014.5	9131.2	9018.7	9008.4	8897.9	8720.0	8646.3	8646.3
5°	9227.3	9634.5	9963.9	10174.6	10084.6	9867.7	9509.7	9053.4	8807.9	8764.9
7.5°	9368.5	10172.6	10784.3	11001.2	10849.8	10371.0	9685.6	8916.3	8564.5	8486.7
10°	9282.5	10328.1	11226.3	11570.0	11359.2	10634.9	9700.0	8756.8	8323.0	8233.0
12.5°	9192.6	10348.5	11308.1	11805.2	11668.2	10847.8	9804.3	8652.4	8151.1	8022.2
15°	9258.0	10356.7	11207.9	11721.4	11809.4	11103.5	9976.1	8728.1	8116.3	7979.3
17.5°	9671.3	10512.2	11064.6	11480.0	11788.8	11451.3	10465.1	9090.2	8427.4	8257.5
20°	10534.7	10884.6	11146.5	11467.7	11964.9	12161.2	11465.6	10084.6	9300.9	9151.6
22.5°	13034.9	12971.4	12435.4	12429.3	13149.5	13937.2	13890.1	12106.0	10927.5	10804.8
25°	13971.9	13677.3	12901.9	12713.6	13030.8	14246.1	14070.1	12519.3	11430.9	11132.1
27.5°	13605.7	12875.3	12365.8	12322.9	12218.6	13366.4	13789.8	12687.0	11606.8	11316.2
30°	13583.2	12509.1	11780.7	11866.6	11966.9	13063.5	13945.3	13212.9	12056.9	11745.9
32.5°	13638.5	12560.2	11823.7	11840.1	12138.8	13108.5	14117.2	13785.7	12648.2	12337.2
35°	13861.4	12850.8	12097.8	12059.0	12525.4	13403.2	14409.8	14685.9	13456.3	13102.4
37.5°	14221.6	13429.8	12599.1	12588.8	13266.1	13935.1	14774.0	15594.4	14260.4	13879.8
40°	14751.5	14107.0	13491.1	13435.9	14272.7	14800.6	15246.6	16562.1	15195.4	14706.5
42.5°	15391.8	14919.2	14667.5	14886.5	15690.5	15772.4	15983.1	17456.2	15991.3	15422.5
45°	15985.2	15962.6	16312.6	16893.5	17362.1	16871.1	16752.4	18055.7	16609.2	15991.3
47.5°	16691.1	17300.7	18356.4	19207.5	19698.6	18149.8	17409.1	18446.5	17059.3	16490.5
50°	17407.1	18902.7	20588.6	21775.2	21879.6	19539.0	17861.3	18814.7	17468.5	16877.2
52.5°	18160.0	20181.4	22425.9	23804.8	23602.3	20748.2	18299.2	19064.3	17890.0	17370.3
55°	18814.7	20965.1	23453.0	24776.7	24480.0	21484.7	18771.8	19334.4	18491.5	18053.6
57.5°	19181.0	21030.5	23197.2	24353.2	24032.0	21341.5	18988.7	19534.9	18876.1	18532.4
58°	19234.2	20942.6	22970.1	24107.6	23780.3	21220.8	18986.6	19526.8	18900.7	18554.9
60°	19187.1	20371.7	22125.2	23137.9	22794.1	20463.8	18908.8	19373.3	18589.7	18297.1
62.5°	18751.3	19381.4	20666.3	21402.9	21304.7	19281.2	18589.7	18794.3	17642.4	17360.0
65°	18178.4	18031.2	18798.3	19320.1	19393.7	18395.3	18272.6	17542.2	16427.1	16028.2
67.5°	17482.8	16500.8	16498.7	16795.4	16918.1	17032.7	17611.7	16181.6	14675.8	14254.3
70°	16302.3	14141.8	13491.1	13841.0	13738.7	14706.5	16431.2	14270.6	12564.3	12071.2
72.5°	14137.7	11222.1	10180.7	10630.9	10373.1	11533.1	14377.1	11743.9	10389.5	9783.8
75°	11459.5	8394.6	7320.5	7733.8	7574.2	8748.5	11962.8	8529.7	7451.4	7220.2
77.5°	8897.9	6082.7	5458.7	5401.4	5520.0	6510.3	8775.2	5759.4	4912.4	4754.8
80°	5716.4	4353.8	4390.7	4317.0	4378.4	4104.3	5327.7	3674.5	3326.7	3199.9
82.5°	3762.5	3034.2	3617.3	3339.0	3171.2	2760.0	3494.5	2406.1	2041.9	1972.3
85°	2563.6	2234.2	2033.7	1555.0	1831.1	2125.8	2620.9	1295.1	1027.1	930.9
87.5°	1158.1	777.4	570.8	351.9	556.5	642.5	1272.6	151.4	116.6	120.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)