

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: P530786

Luminaire Tested: **GALN-SA6A-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18814 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

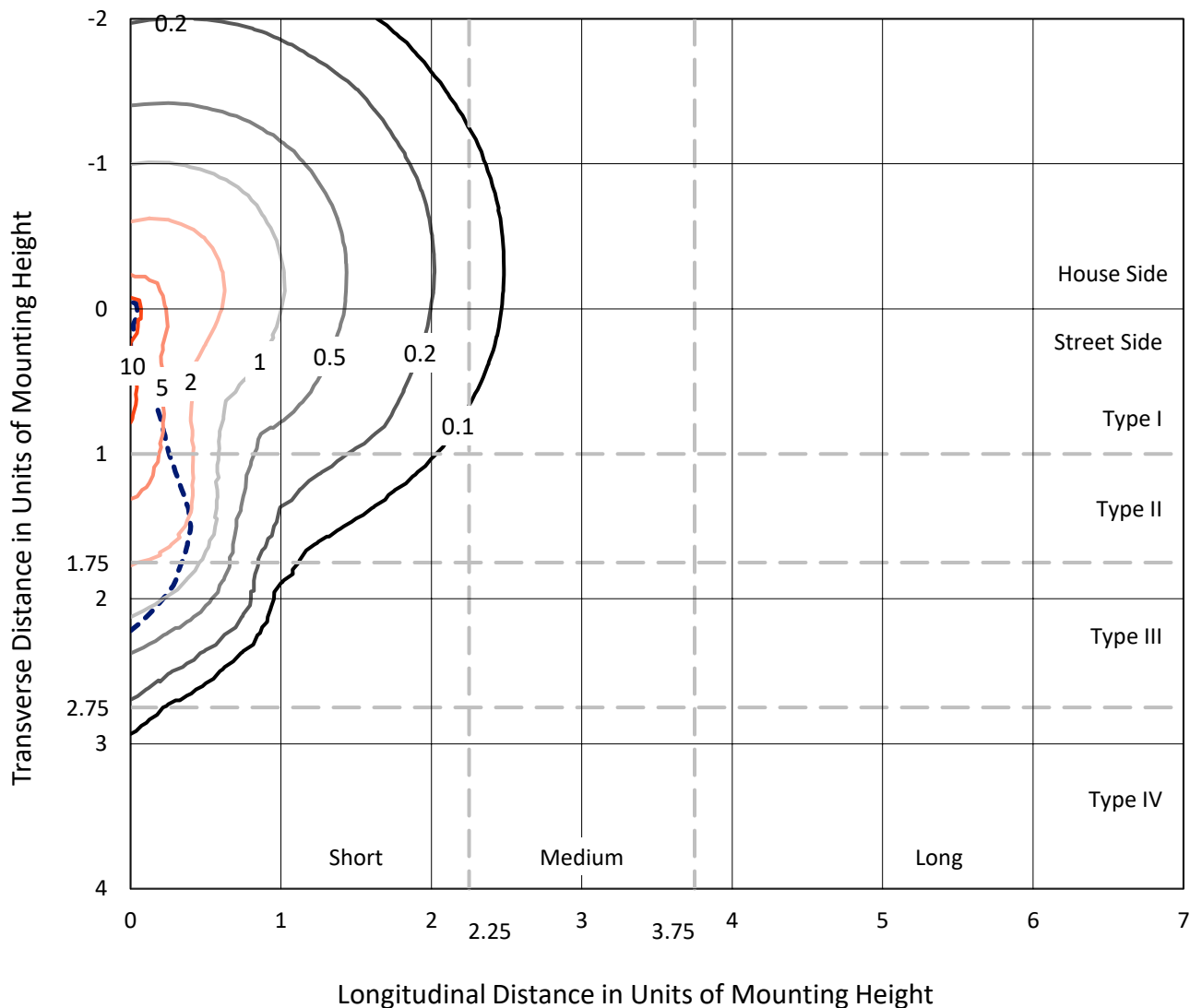
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

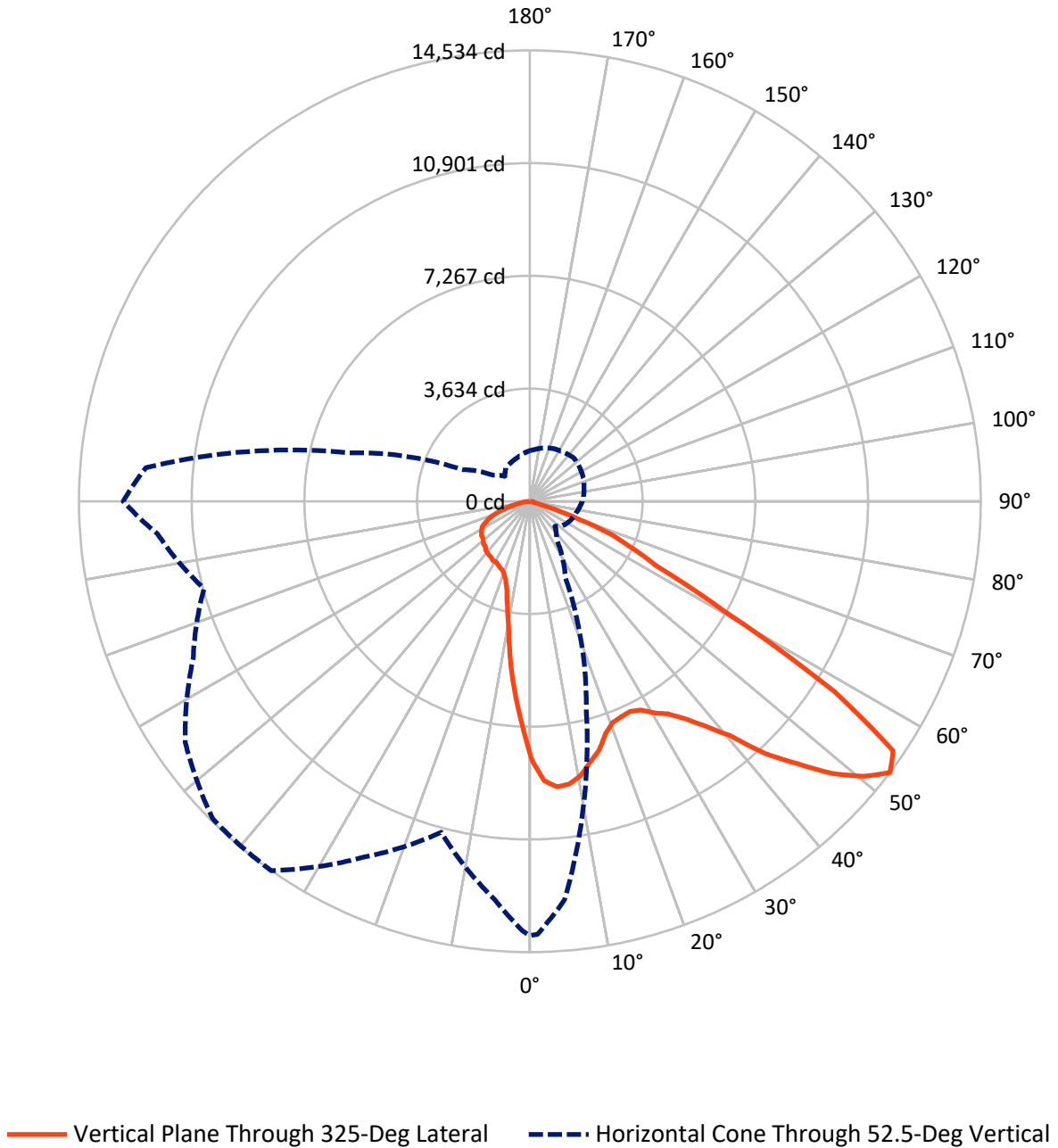
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5671.6	0.0	5671.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	13142.4	0.0	13142.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	18814.0	0.0	18814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.0	3.4
10°-20°	1381.0	7.3
20°-30°	2086.5	11.1
30°-40°	3015.1	16.0
40°-50°	4012.5	21.3
50°-60°	4488.1	23.9
60°-70°	2529.5	13.4
70°-80°	563.9	3.0
80°-90°	100.4	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°	18814.0	100.0
0°-180°	18814.0	100.0

Coefficient of Utilization

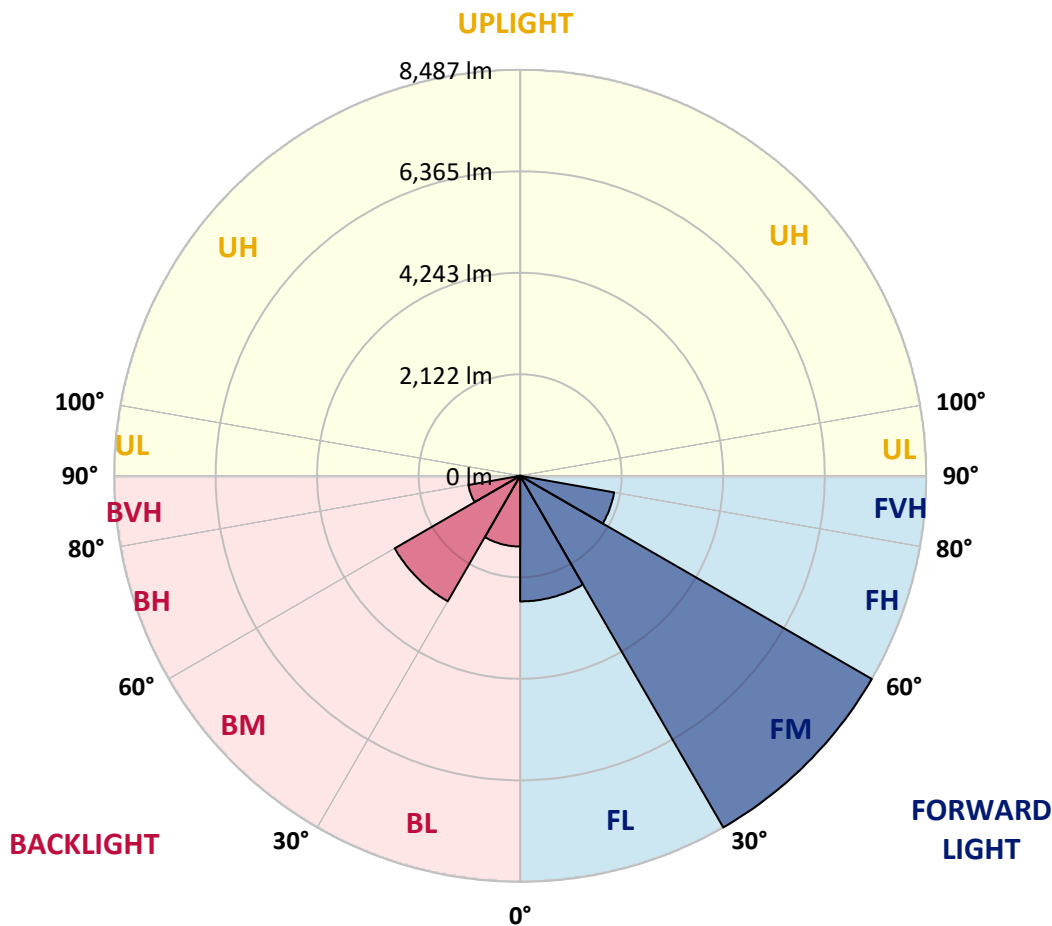


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2625.4	14.0			
FM (30°-60°)	8486.6	45.1			
FH (60°-80°)	1994.0	10.6			G2/5000
FVH (80°-90°)	36.4	0.2			G1/100
BL (0°-30°)	1479.0	7.9	B3/2500		
BM (30°-60°)	3029.2	16.1	B3/5000		
BH (60°-80°)	1099.3	5.8	B3/2500		G3/2500
BVH (80°-90°)	64.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8
2.5°	8488.8	8625.2	8477.9	8216.2	8030.7	7861.7	7684.4	7649.0	7417.2	7376.3	7207.2
5°	8006.2	7976.2	7796.2	7452.6	7073.6	6730.0	6476.4	6231.0	6064.6	5871.0	5857.4
7.5°	7419.9	7245.4	7141.8	6620.9	6151.9	5612.0	5380.2	5006.6	4889.3	4714.8	4624.8
10°	6896.3	6768.2	6525.5	6004.6	5350.2	4993.0	4744.8	4543.0	4406.7	4226.7	4000.4
12.5°	6637.3	6585.5	6312.8	5505.6	5020.2	4638.5	4463.9	4267.6	4035.8	3746.8	3635.0
15°	6683.6	6509.1	6301.9	5410.2	4739.4	4371.2	4093.1	3847.7	3550.4	3275.0	3114.1
17.5°	7029.9	6896.3	6481.8	5470.2	4633.0	4101.3	3596.8	3234.1	2966.9	2718.7	2606.9
20°	7711.7	7518.1	7051.8	5546.5	4403.9	3724.9	3146.8	2699.6	2413.3	2282.4	2244.2
22.5°	8467.0	8352.5	7608.1	5718.3	4221.2	3375.9	2669.6	2222.4	2116.1	2080.6	2151.5
25°	9386.0	9088.8	8472.5	5999.2	4079.4	3078.7	2266.1	2017.9	1963.4	1998.8	2080.6
27.5°	10084.1	10005.0	9077.9	6263.7	3885.8	2721.4	2039.7	1876.1	1892.5	1927.9	2004.3
30°	10913.1	10512.2	9664.1	6446.4	3711.3	2476.0	1881.6	1837.9	1854.3	1914.3	1952.5
32.5°	11412.1	11262.1	10032.3	6721.8	3509.5	2263.3	1758.9	1717.9	1742.5	1832.5	1922.5
35°	12047.4	11750.2	10487.7	6792.7	3367.7	2178.8	1671.6	1641.6	1698.9	1761.6	1862.5
37.5°	12789.2	12584.6	11117.6	6743.6	3291.4	2091.5	1598.0	1584.3	1625.2	1712.5	1829.8
40°	13228.2	13165.5	11447.5	6773.6	3171.4	2015.2	1513.4	1529.8	1614.3	1682.5	1797.0
42.5°	13650.9	13241.8	11935.6	6762.7	3095.0	1911.6	1521.6	1502.5	1568.0	1647.0	1756.1
45°	13743.6	13337.3	12050.2	6686.4	3002.3	1810.7	1458.9	1467.1	1546.2	1644.3	1715.2
47.5°	13683.6	13383.6	12262.9	6664.5	2915.1	1739.8	1366.2	1464.3	1510.7	1589.8	1690.7
50°	13642.7	13626.3	12442.8	6768.2	2797.8	1628.0	1254.4	1428.9	1475.3	1554.3	1663.4
52.5°	14002.6	13967.2	12892.8	7040.9	2705.1	1508.0	1139.8	1338.9	1450.7	1527.1	1633.4
55°	14220.8	14065.4	13664.5	7376.3	2549.7	1349.8	1060.8	1227.1	1390.7	1458.9	1568.0
57.5°	12791.9	12685.5	12361.0	6885.4	2287.9	1142.6	962.6	1112.6	1308.9	1415.3	1527.1
60°	10643.1	10476.8	9645.0	5851.9	1688.0	889.0	902.6	1022.6	1287.1	1328.0	1458.9
62.5°	10035.0	9623.2	8491.6	4709.4	1295.3	763.5	809.9	940.8	1172.6	1240.7	1371.6
65°	7962.5	7657.1	6075.5	3400.4	867.2	662.6	739.0	848.1	1011.7	1145.3	1265.3
67.5°	4984.8	4693.0	3242.3	1608.9	605.4	567.2	659.9	774.4	908.1	1028.0	1161.7
70°	2604.2	2285.1	1497.1	580.8	417.2	463.6	550.8	659.9	790.8	889.0	992.6
72.5°	970.8	788.1	488.1	250.9	289.1	354.5	447.2	526.3	619.0	739.0	796.3
75°	150.0	128.2	125.4	152.7	196.3	256.3	319.0	398.1	479.9	556.3	594.5
77.5°	70.9	68.2	76.4	100.9	130.9	182.7	231.8	308.1	373.6	422.7	444.5
80°	46.4	43.6	49.1	68.2	98.2	136.3	185.4	237.2	297.2	338.1	332.7
82.5°	27.3	30.0	30.0	46.4	68.2	98.2	133.6	180.0	220.9	256.3	234.5
85°	16.4	13.6	13.6	27.3	46.4	79.1	111.8	76.4	79.1	79.1	90.0
87.5°	5.5	5.5	5.5	2.7	5.5	5.5	8.2	13.6	16.4	19.1	24.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8
2.5°	7201.7	7286.3	7256.3	7149.9	7231.7	7245.4	7190.8	7379.0	7414.4	7357.2	7373.5
5°	5838.3	5860.1	5909.2	6012.8	6086.4	6173.7	6173.7	6179.2	6105.5	6291.0	6236.4
7.5°	4548.5	4562.1	4619.4	4840.2	4903.0	5069.3	5140.2	5091.1	4943.9	4881.2	4933.0
10°	3926.7	3847.7	3828.6	3855.8	3997.6	4068.5	4128.5	4112.2	4087.6	4038.5	3984.0
12.5°	3512.2	3455.0	3408.6	3343.2	3351.4	3419.5	3465.9	3427.7	3438.6	3449.5	3465.9
15°	3062.3	3021.4	2996.9	2898.7	2887.8	2934.1	2950.5	2972.3	3013.2	3016.0	2996.9
17.5°	2585.1	2549.7	2604.2	2658.7	2620.6	2623.3	2653.3	2672.4	2661.5	2612.4	2587.8
20°	2257.9	2296.1	2350.6	2402.4	2443.3	2467.8	2478.8	2448.8	2413.3	2312.4	2309.7
22.5°	2162.4	2211.5	2257.9	2337.0	2375.1	2437.8	2380.6	2312.4	2263.3	2214.2	2157.0
25°	2091.5	2132.4	2225.2	2255.1	2328.8	2380.6	2339.7	2271.5	2187.0	2116.1	2072.4
27.5°	2039.7	2086.1	2146.1	2227.9	2285.1	2315.1	2274.2	2247.0	2159.7	2075.2	2012.5
30°	2007.0	2056.1	2165.2	2233.3	2282.4	2307.0	2236.1	2203.3	2140.6	2069.7	2015.2
32.5°	1985.2	2028.8	2121.5	2208.8	2241.5	2241.5	2252.4	2214.2	2127.0	2007.0	1960.6
35°	1914.3	1974.3	2050.6	2151.5	2211.5	2247.0	2192.4	2148.8	2091.5	1968.8	1884.3
37.5°	1873.4	1914.3	2012.5	2107.9	2159.7	2197.9	2176.1	2099.7	2023.4	1922.5	1854.3
40°	1829.8	1895.2	1982.5	2072.4	2129.7	2167.9	2151.5	2061.5	1968.8	1873.4	1827.0
42.5°	1799.8	1843.4	1933.4	2034.3	2102.4	2176.1	2127.0	2015.2	1949.7	1818.8	1767.0
45°	1775.2	1846.1	1941.6	1982.5	2053.4	2129.7	2042.4	1974.3	1897.9	1802.5	1758.9
47.5°	1745.2	1810.7	1873.4	1982.5	2015.2	2050.6	2034.3	1925.2	1859.7	1756.1	1726.1
50°	1734.3	1758.9	1873.4	1933.4	1979.7	2015.2	1971.5	1889.7	1827.0	1720.7	1655.2
52.5°	1690.7	1737.0	1810.7	1889.7	1947.0	1990.6	1919.7	1867.9	1783.4	1671.6	1630.7
55°	1636.1	1663.4	1794.3	1876.1	1906.1	1936.1	1908.8	1824.3	1737.0	1622.5	1581.6
57.5°	1565.2	1628.0	1734.3	1848.8	1887.0	1903.4	1859.7	1791.6	1682.5	1581.6	1516.2
60°	1491.6	1557.1	1674.3	1767.0	1805.2	1865.2	1799.8	1758.9	1633.4	1521.6	1450.7
62.5°	1418.0	1491.6	1578.9	1696.1	1728.9	1753.4	1737.0	1679.8	1578.9	1453.4	1366.2
65°	1330.7	1385.3	1494.3	1554.3	1576.1	1633.4	1576.1	1554.3	1464.3	1344.4	1270.7
67.5°	1199.8	1246.2	1341.6	1398.9	1415.3	1439.8	1437.1	1412.5	1311.6	1229.8	1164.4
70°	1049.9	1090.8	1150.8	1218.9	1227.1	1257.1	1229.8	1224.4	1158.9	1047.1	1011.7
72.5°	842.6	880.8	959.9	989.9	992.6	1003.5	989.9	970.8	954.4	837.2	801.7
75°	646.3	668.1	706.3	733.5	733.5	747.2	739.0	719.9	676.3	602.6	567.2
77.5°	449.9	471.8	520.8	537.2	534.5	539.9	515.4	496.3	430.9	392.7	362.7
80°	327.2	340.9	365.4	376.3	379.0	387.2	357.2	340.9	302.7	259.1	245.4
82.5°	237.2	245.4	248.1	261.8	261.8	248.1	240.0	223.6	196.3	169.1	158.2
85°	98.2	100.9	103.6	120.0	122.7	147.3	136.3	128.2	111.8	95.4	87.3
87.5°	24.5	27.3	35.4	30.0	35.4	35.4	38.2	43.6	43.6	35.4	35.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8
2.5°	7436.3	7458.1	7736.2	7771.7	7908.0	8047.1	8328.0	8529.7	8693.4	8799.7	8829.7
5°	6293.7	6432.8	6560.9	6768.2	6956.3	7223.6	7531.7	7913.5	8393.4	8638.8	8737.0
7.5°	4927.5	5091.1	5276.6	5478.3	5753.8	6233.7	6645.5	7087.2	7700.8	7954.4	8338.9
10°	4022.2	4204.9	4450.3	4605.7	4938.4	5396.5	5876.5	6386.4	6972.7	7338.1	7782.6
12.5°	3555.9	3705.9	3932.2	4259.4	4507.6	4804.8	5162.0	5805.6	6645.5	6991.8	7297.2
15°	3040.5	3206.8	3468.6	3831.3	4128.5	4483.0	4883.9	5584.7	6479.1	7013.6	7272.6
17.5°	2615.1	2735.1	3010.5	3324.1	3665.0	4052.2	4627.5	5573.8	6653.6	7338.1	7760.8
20°	2320.6	2337.0	2486.9	2754.2	3217.7	3722.2	4469.4	5519.2	7212.7	7897.1	8431.6
22.5°	2135.2	2118.8	2121.5	2347.9	2672.4	3397.7	4221.2	5704.7	7848.0	8786.1	9146.0
25°	2042.4	1998.8	1971.5	2020.6	2315.1	3013.2	4033.1	5950.1	8532.5	9519.6	9961.4
27.5°	1993.4	1917.0	1862.5	1870.7	2086.1	2819.6	3915.8	6056.4	9211.5	10542.2	10697.6
30°	1974.3	1878.8	1799.8	1772.5	1914.3	2549.7	3665.0	6239.1	9819.6	11103.9	11237.6
32.5°	1906.1	1788.8	1712.5	1688.0	1745.2	2312.4	3485.0	6370.0	10356.8	11714.8	11668.4
35°	1827.0	1728.9	1633.4	1587.1	1628.0	2159.7	3340.5	6307.3	10989.4	12189.2	12164.7
37.5°	1818.8	1690.7	1611.6	1535.2	1532.5	1971.5	3144.1	6367.3	11393.0	13040.0	12704.6
40°	1747.9	1666.1	1562.5	1499.8	1464.3	1876.1	2953.2	6225.5	11984.7	13383.6	13053.7
42.5°	1750.7	1628.0	1538.0	1464.3	1428.9	1737.0	2822.3	6187.3	12192.0	13942.6	13217.3
45°	1707.0	1587.1	1510.7	1423.4	1404.4	1630.7	2696.9	6010.1	12557.4	13969.9	13012.8
47.5°	1663.4	1557.1	1475.3	1371.6	1328.0	1592.5	2598.7	5862.8	12366.5	13713.6	12729.2
50°	1633.4	1510.7	1434.3	1360.7	1238.0	1527.1	2470.6	5827.4	12099.3	13367.3	12202.9
52.5°	1581.6	1472.5	1393.4	1336.2	1139.8	1467.1	2421.5	6034.6	12426.5	13108.2	12050.2
55°	1532.5	1420.7	1319.8	1208.0	1058.0	1308.9	2285.1	6228.2	12903.7	13705.4	12742.8
57.5°	1480.7	1374.4	1265.3	1131.7	979.0	1145.3	2143.3	6263.7	12009.3	12666.5	12096.5
60°	1412.5	1276.2	1194.4	1019.9	894.4	949.0	1698.9	5522.0	9315.1	10577.6	10596.7
62.5°	1336.2	1188.9	1118.0	913.5	807.2	818.1	1385.3	4641.2	7556.2	8756.1	9276.9
65°	1235.3	1093.5	1009.0	845.3	744.4	709.0	1014.4	3400.4	5740.1	7103.6	7695.3
67.5°	1104.4	970.8	864.4	736.3	665.4	608.1	692.6	1914.3	3389.5	4769.3	4949.3
70°	965.3	850.8	739.0	632.6	553.6	512.7	507.2	848.1	1619.8	2566.0	2920.5
72.5°	760.8	679.0	589.0	509.9	458.1	398.1	362.7	351.8	548.1	1044.4	1442.5
75°	545.4	477.2	425.4	373.6	335.4	302.7	275.4	250.9	229.1	261.8	360.0
77.5°	343.6	319.0	278.1	264.5	242.7	234.5	223.6	210.0	193.6	182.7	182.7
80°	231.8	215.4	201.8	199.1	190.9	188.2	190.9	177.2	160.9	147.3	152.7
82.5°	155.4	152.7	150.0	147.3	150.0	152.7	158.2	155.4	141.8	133.6	136.3
85°	92.7	98.2	103.6	109.1	120.0	106.3	87.3	73.6	65.4	60.0	57.3
87.5°	35.4	49.1	43.6	40.9	43.6	40.9	38.2	35.4	30.0	27.3	27.3
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: P530786

CATALOG NUMBER: GALN-SA6A-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8	8349.8
2.5°	9028.8	9083.3	9129.7	9118.8	9023.3	8895.1	8843.3	8578.8	8524.3	8488.8
5°	9151.5	9467.8	9536.0	9495.1	9246.9	8933.3	8627.9	8240.7	8014.4	8006.2
7.5°	8925.1	9315.1	9437.8	9530.5	9200.6	8655.2	8131.6	7550.8	7409.0	7419.9
10°	8349.8	8971.5	9274.2	9369.6	8990.6	8518.8	7793.5	7204.5	6901.8	6896.3
12.5°	8030.7	8518.8	8603.4	8737.0	8625.2	8148.0	7597.1	6937.2	6642.7	6637.3
15°	7747.1	8068.9	8093.4	8281.6	8341.6	8019.8	7649.0	6945.4	6708.2	6683.6
17.5°	7995.3	7771.7	7679.0	7703.5	7880.7	7998.0	7948.9	7409.0	7166.3	7029.9
20°	8161.6	7662.6	7381.7	7409.0	7619.0	8047.1	8396.1	8079.8	7695.3	7711.7
22.5°	8606.1	7679.0	7239.9	7209.9	7542.6	8303.4	8900.6	8927.9	8557.0	8467.0
25°	9271.5	7867.1	7196.3	7188.1	7507.2	8578.8	9489.6	9931.4	9552.3	9386.0
27.5°	9805.9	8161.6	7332.6	7359.9	7619.0	8802.4	9991.4	10577.6	10288.6	10084.1
30°	10275.0	8467.0	7523.5	7398.1	7918.9	8919.7	10206.8	11313.9	11082.1	10913.1
32.5°	10468.6	8900.6	7826.2	7619.0	8167.1	9061.5	10654.0	12028.4	11829.3	11412.1
35°	10795.8	9143.3	7989.8	7973.5	8600.6	9402.4	10864.0	12500.1	12418.3	12047.4
37.5°	11057.6	9388.7	8570.6	8390.7	9195.1	9975.0	11202.1	13151.8	12963.7	12789.2
40°	11259.4	9827.7	9113.3	9350.5	9925.9	10495.8	11513.0	13192.7	13735.4	13228.2
42.5°	11073.9	10220.4	10005.0	10572.2	11117.6	11090.3	11548.4	13509.1	13915.4	13650.9
45°	11027.6	10885.8	11414.8	11930.2	12055.6	11583.9	11294.8	13160.0	13860.8	13743.6
47.5°	10915.8	11540.2	12461.9	13301.8	13110.9	11913.8	10992.1	13097.3	13893.6	13683.6
50°	10877.6	11682.0	13236.4	14054.4	13939.9	12200.2	10850.3	12693.7	13661.8	13642.7
52.5°	10874.9	11973.8	13558.1	14463.5	14534.4	12652.8	11043.9	12898.2	13841.7	14002.6
55°	10997.6	11881.1	13517.2	14237.1	14209.9	12451.0	11065.8	13034.6	14062.6	14220.8
57.5°	10373.1	10643.1	11155.7	11725.7	11578.4	10313.1	9882.3	12050.2	12906.4	12791.9
60°	8957.9	8112.5	7534.4	7507.2	7220.8	6825.4	8088.0	10754.9	10754.9	10643.1
62.5°	7845.3	5325.6	4575.7	4363.0	4567.6	5023.0	7801.7	10460.4	10163.2	10035.0
65°	6860.9	4065.8	3307.7	3247.7	3602.2	4289.4	7054.5	8911.5	8387.9	7962.5
67.5°	4414.9	2977.8	2459.7	2353.3	2781.4	3149.6	4695.7	5481.1	5151.1	4984.8
70°	2846.9	1938.8	1368.9	1284.4	1450.7	1941.6	2999.6	3195.9	2716.0	2604.2
72.5°	1347.1	837.2	479.9	395.4	444.5	741.7	1186.2	1276.2	1060.8	970.8
75°	428.1	308.1	196.3	169.1	160.9	190.9	272.7	210.0	152.7	150.0
77.5°	190.9	182.7	155.4	130.9	114.5	95.4	79.1	65.4	68.2	70.9
80°	158.2	144.5	128.2	114.5	95.4	73.6	57.3	43.6	43.6	46.4
82.5°	139.1	125.4	111.8	95.4	81.8	60.0	43.6	30.0	27.3	27.3
85°	60.0	70.9	76.4	81.8	65.4	49.1	30.0	19.1	16.4	16.4
87.5°	24.5	21.8	19.1	16.4	13.6	13.6	10.9	8.2	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)