

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: P530864

Luminaire Tested: **GALN-SA6A-760-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530864
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-760-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 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: 20196 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

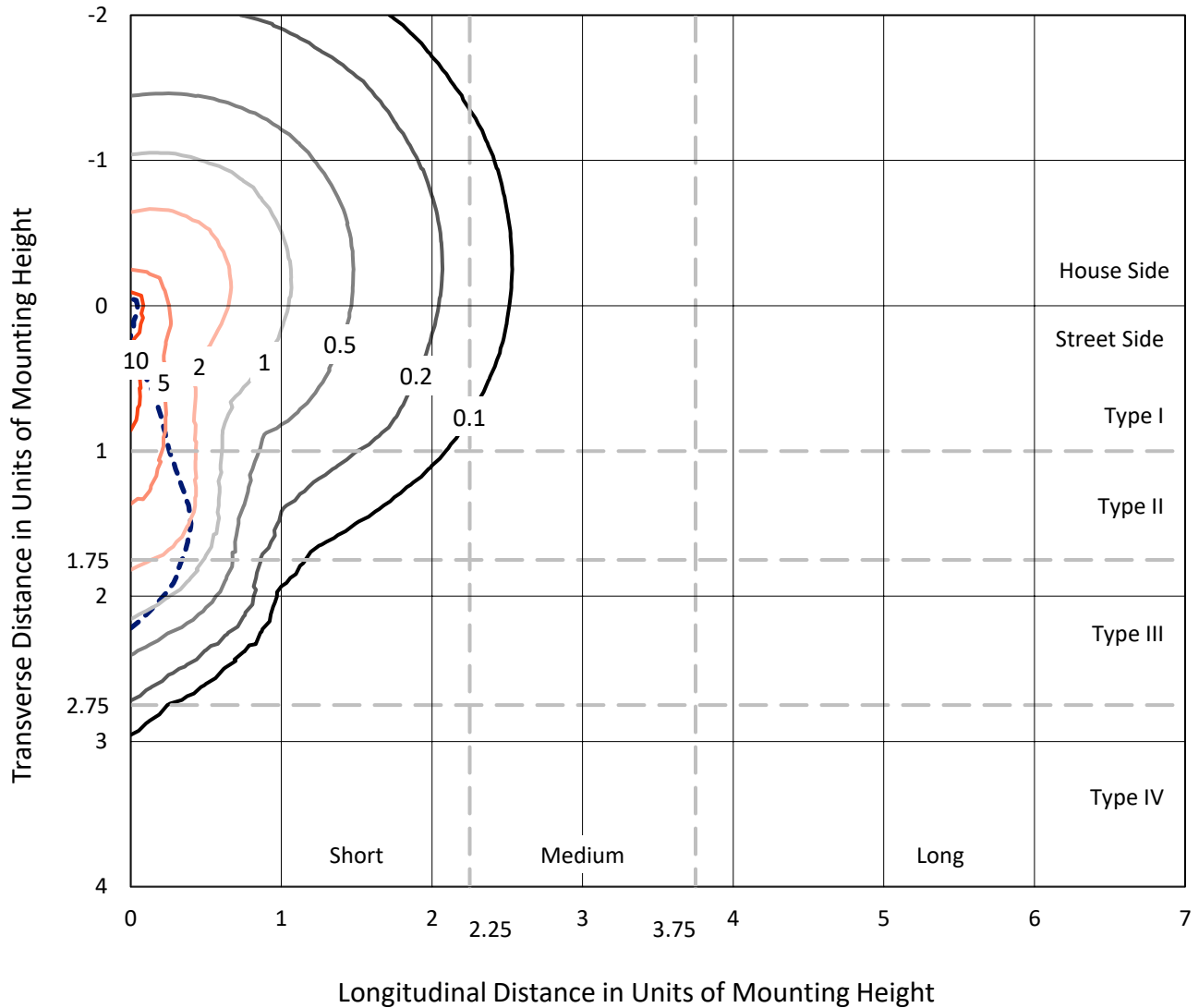
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

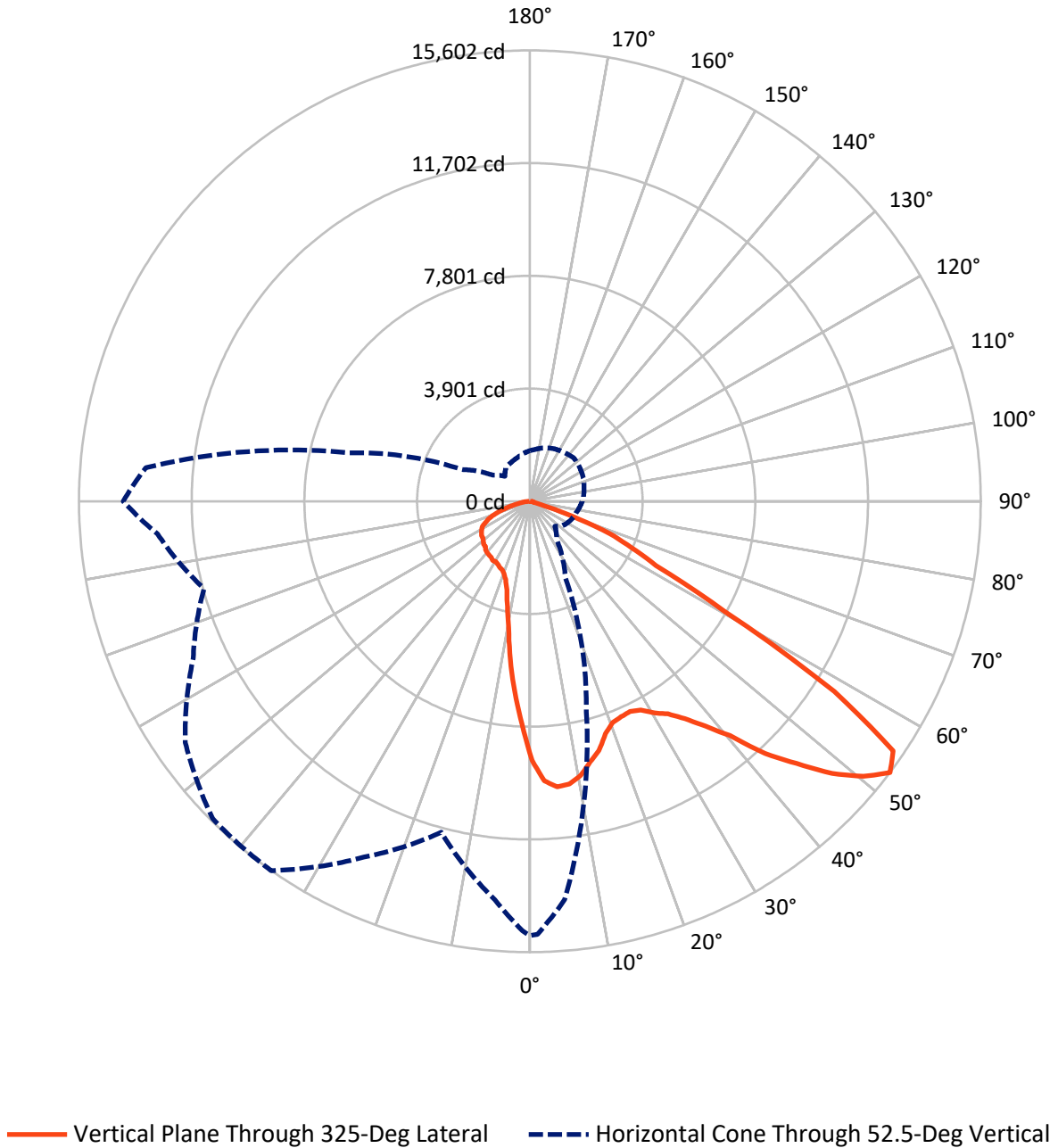
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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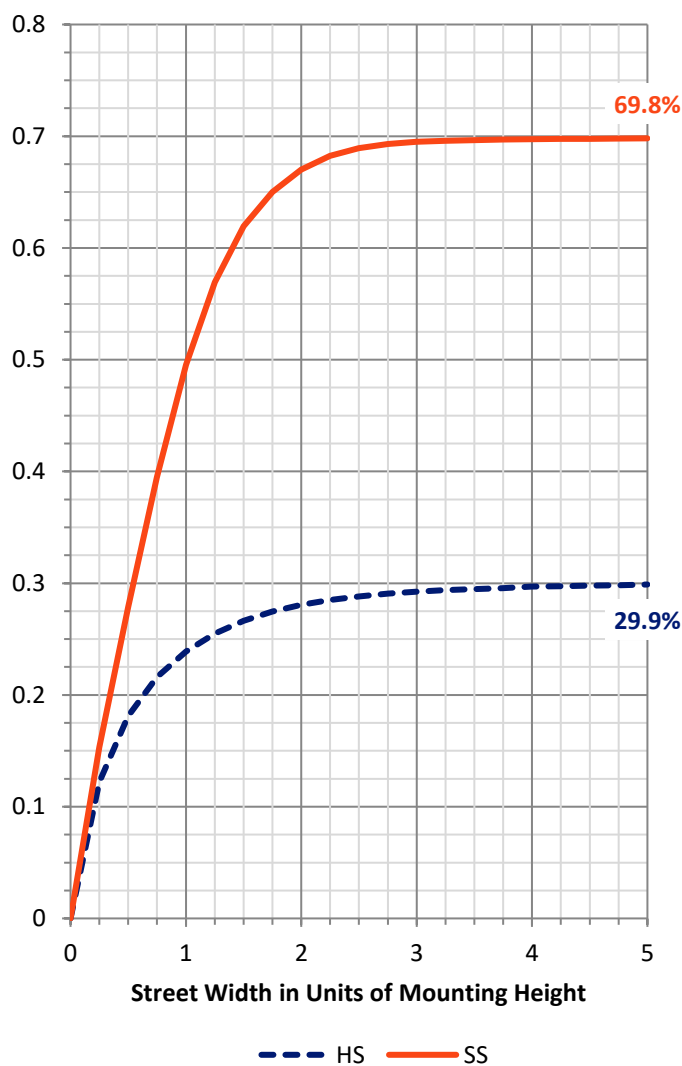
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6088.2	0.0	6088.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	14107.8	0.0	14107.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	20196.0	0.0	20196.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.8	3.4
10°-20°	1482.4	7.3
20°-30°	2239.8	11.1
30°-40°	3236.6	16.0
40°-50°	4307.3	21.3
50°-60°	4817.8	23.9
60°-70°	2715.3	13.4
70°-80°	605.3	3.0
80°-90°	107.8	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°	20196.0	100.0
0°-180°	20196.0	100.0

Coefficient of Utilization



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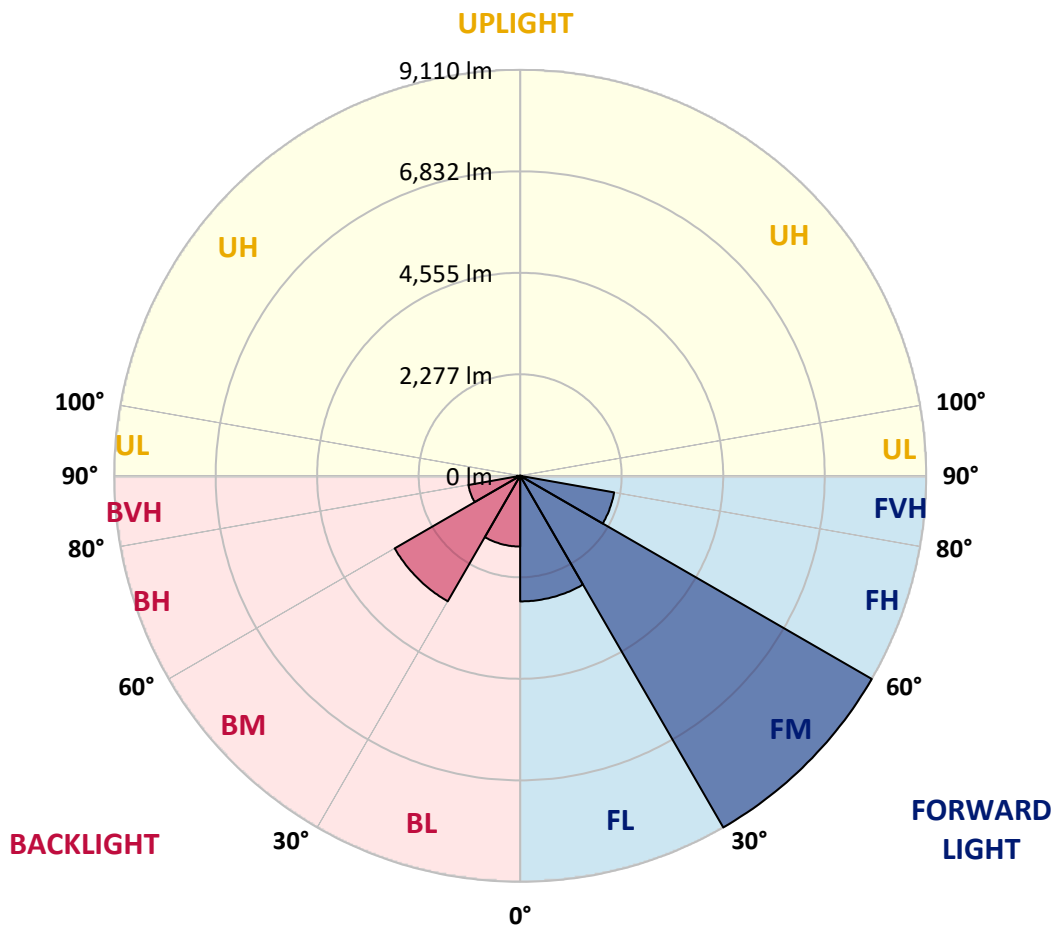
CATALOG NUMBER: GALN-SA6A-760-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2818.3	14.0			
FM (30°-60°)	9109.9	45.1			
FH (60°-80°)	2140.5	10.6			G2/5000
FVH (80°-90°)	39.0	0.2			G1/100
BL (0°-30°)	1587.7	7.9	B3/2500		
BM (30°-60°)	3251.7	16.1	B3/5000		
BH (60°-80°)	1180.1	5.8	B3/2500		G3/2500
BVH (80°-90°)	68.8	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°	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1
2.5°	9112.4	9258.8	9100.7	8819.7	8620.6	8439.1	8248.9	8210.8	7962.0	7918.1	7736.6
5°	8594.3	8562.1	8368.9	8000.1	7593.2	7224.3	6952.1	6688.7	6510.1	6302.3	6287.6
7.5°	7964.9	7777.6	7666.4	7107.3	6603.8	6024.2	5775.4	5374.4	5248.5	5061.1	4964.5
10°	7402.9	7265.3	7004.8	6445.7	5743.2	5359.7	5093.3	4876.7	4730.4	4537.2	4294.2
12.5°	7124.8	7069.2	6776.5	5910.0	5389.0	4979.2	4791.8	4581.1	4332.3	4022.0	3902.0
15°	7174.6	6987.2	6764.8	5807.6	5087.5	4692.3	4393.7	4130.3	3811.2	3515.6	3342.9
17.5°	7546.3	7402.9	6958.0	5872.0	4973.3	4402.5	3861.0	3471.7	3184.8	2918.4	2798.4
20°	8278.1	8070.3	7569.8	5953.9	4727.4	3998.6	3378.0	2897.9	2590.6	2450.1	2409.1
22.5°	9089.0	8966.0	8166.9	6138.4	4531.3	3623.9	2865.7	2385.7	2271.5	2233.5	2309.6
25°	10075.4	9756.4	9094.8	6439.9	4379.1	3304.8	2432.5	2166.1	2107.6	2145.6	2233.5
27.5°	10824.8	10739.9	9744.7	6723.8	4171.3	2921.4	2189.6	2013.9	2031.5	2069.5	2151.5
30°	11714.7	11284.4	10374.0	6919.9	3983.9	2657.9	2019.8	1972.9	1990.5	2054.9	2095.9
32.5°	12250.4	12089.4	10769.2	7215.6	3767.3	2429.6	1888.0	1844.1	1870.5	1967.1	2063.7
35°	12932.4	12613.3	11258.0	7291.7	3615.1	2338.8	1794.4	1762.2	1823.7	1891.0	1999.3
37.5°	13728.6	13509.1	11934.2	7239.0	3533.1	2245.2	1715.3	1700.7	1744.6	1838.3	1964.2
40°	14199.9	14132.6	12288.4	7271.2	3404.3	2163.2	1624.6	1642.2	1732.9	1806.1	1929.0
42.5°	14653.6	14214.5	12812.4	7259.5	3322.4	2052.0	1633.4	1612.9	1683.1	1768.0	1885.1
45°	14753.1	14317.0	12935.3	7177.5	3222.9	1943.7	1566.1	1574.8	1659.7	1765.1	1841.2
47.5°	14688.7	14366.7	13163.7	7154.1	3129.2	1867.6	1466.5	1571.9	1621.7	1706.6	1814.9
50°	14644.8	14627.3	13356.8	7265.3	3003.3	1747.5	1346.5	1533.9	1583.6	1668.5	1785.6
52.5°	15031.2	14993.2	13839.8	7558.0	2903.8	1618.7	1223.6	1437.3	1557.3	1639.2	1753.4
55°	15265.4	15098.5	14668.2	7918.1	2736.9	1449.0	1138.7	1317.2	1492.9	1566.1	1683.1
57.5°	13731.5	13617.4	13269.0	7391.2	2455.9	1226.5	1033.3	1194.3	1405.1	1519.2	1639.2
60°	11424.9	11246.3	10353.5	6281.8	1811.9	954.3	968.9	1097.7	1381.6	1425.5	1566.1
62.5°	10772.1	10330.1	9115.3	5055.3	1390.4	819.6	869.4	1009.9	1258.7	1331.9	1472.4
65°	8547.4	8219.6	6521.8	3650.2	930.9	711.3	793.3	910.4	1086.0	1229.4	1358.2
67.5°	5350.9	5037.7	3480.4	1727.1	649.8	608.9	708.4	831.3	974.8	1103.6	1247.0
70°	2795.5	2453.0	1607.0	623.5	447.9	497.6	591.3	708.4	848.9	954.3	1065.5
72.5°	1042.1	846.0	524.0	269.3	310.3	380.5	480.1	565.0	664.5	793.3	854.7
75°	161.0	137.6	134.7	163.9	210.8	275.2	342.5	427.4	515.2	597.2	638.1
77.5°	76.1	73.2	82.0	108.3	140.5	196.1	248.8	330.8	401.0	453.7	477.1
80°	49.8	46.8	52.7	73.2	105.4	146.4	199.1	254.7	319.1	363.0	357.1
82.5°	29.3	32.2	32.2	49.8	73.2	105.4	143.4	193.2	237.1	275.2	251.7
85°	17.6	14.6	14.6	29.3	49.8	84.9	120.0	82.0	84.9	84.9	96.6
87.5°	5.9	5.9	5.9	2.9	5.9	5.9	8.8	14.6	17.6	20.5	26.3
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°	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1
2.5°	7730.8	7821.5	7789.3	7675.1	7763.0	7777.6	7719.0	7921.0	7959.1	7897.6	7915.2
5°	6267.2	6290.6	6343.3	6454.5	6533.5	6627.2	6627.2	6633.1	6554.0	6753.1	6694.5
7.5°	4882.6	4897.2	4958.7	5195.8	5263.1	5441.7	5517.8	5465.1	5307.0	5239.7	5295.3
10°	4215.2	4130.3	4109.8	4139.1	4291.3	4367.4	4431.8	4414.2	4387.9	4335.2	4276.6
12.5°	3770.2	3708.8	3659.0	3588.8	3597.5	3670.7	3720.5	3679.5	3691.2	3702.9	3720.5
15°	3287.3	3243.3	3217.0	3111.6	3099.9	3149.7	3167.2	3190.7	3234.6	3237.5	3217.0
17.5°	2775.0	2736.9	2795.5	2854.0	2813.0	2816.0	2848.2	2868.7	2857.0	2804.3	2777.9
20°	2423.7	2464.7	2523.3	2578.9	2622.8	2649.1	2660.8	2628.6	2590.6	2482.3	2479.3
22.5°	2321.3	2374.0	2423.7	2508.6	2549.6	2616.9	2555.5	2482.3	2429.6	2376.9	2315.4
25°	2245.2	2289.1	2388.6	2420.8	2499.8	2555.5	2511.5	2438.4	2347.6	2271.5	2224.7
27.5°	2189.6	2239.3	2303.7	2391.5	2453.0	2485.2	2441.3	2412.0	2318.3	2227.6	2160.3
30°	2154.4	2207.1	2324.2	2397.4	2450.1	2476.4	2400.3	2365.2	2297.9	2221.8	2163.2
32.5°	2131.0	2177.8	2277.4	2371.0	2406.2	2406.2	2417.9	2376.9	2283.2	2154.4	2104.7
35°	2054.9	2119.3	2201.3	2309.6	2374.0	2412.0	2353.5	2306.6	2245.2	2113.4	2022.7
37.5°	2011.0	2054.9	2160.3	2262.7	2318.3	2359.3	2335.9	2253.9	2172.0	2063.7	1990.5
40°	1964.2	2034.4	2128.1	2224.7	2286.1	2327.1	2309.6	2213.0	2113.4	2011.0	1961.2
42.5°	1932.0	1978.8	2075.4	2183.7	2256.9	2335.9	2283.2	2163.2	2093.0	1952.4	1896.8
45°	1905.6	1981.7	2084.2	2128.1	2204.2	2286.1	2192.5	2119.3	2037.3	1934.9	1888.0
47.5°	1873.4	1943.7	2011.0	2128.1	2163.2	2201.3	2183.7	2066.6	1996.4	1885.1	1852.9
50°	1861.7	1888.0	2011.0	2075.4	2125.2	2163.2	2116.4	2028.6	1961.2	1847.1	1776.8
52.5°	1814.9	1864.6	1943.7	2028.6	2090.0	2136.9	2060.8	2005.1	1914.4	1794.4	1750.5
55°	1756.3	1785.6	1926.1	2013.9	2046.1	2078.3	2049.0	1958.3	1864.6	1741.7	1697.8
57.5°	1680.2	1747.5	1861.7	1984.6	2025.6	2043.2	1996.4	1923.2	1806.1	1697.8	1627.5
60°	1601.2	1671.4	1797.3	1896.8	1937.8	2002.2	1932.0	1888.0	1753.4	1633.4	1557.3
62.5°	1522.1	1601.2	1694.9	1820.7	1855.8	1882.2	1864.6	1803.2	1694.9	1560.2	1466.5
65°	1428.5	1487.0	1604.1	1668.5	1691.9	1753.4	1691.9	1668.5	1571.9	1443.1	1364.1
67.5°	1288.0	1337.7	1440.2	1501.7	1519.2	1545.6	1542.6	1516.3	1408.0	1320.2	1249.9
70°	1127.0	1170.9	1235.3	1308.5	1317.2	1349.4	1320.2	1314.3	1244.1	1124.0	1086.0
72.5°	904.5	945.5	1030.4	1062.6	1065.5	1077.2	1062.6	1042.1	1024.5	898.7	860.6
75°	693.7	717.2	758.1	787.4	787.4	802.1	793.3	772.8	725.9	646.9	608.9
77.5°	483.0	506.4	559.1	576.7	573.7	579.6	553.2	532.8	462.5	421.5	389.3
80°	351.3	365.9	392.2	404.0	406.9	415.7	383.5	365.9	324.9	278.1	263.4
82.5°	254.7	263.4	266.4	281.0	281.0	266.4	257.6	240.0	210.8	181.5	169.8
85°	105.4	108.3	111.2	128.8	131.7	158.1	146.4	137.6	120.0	102.5	93.7
87.5°	26.3	29.3	38.1	32.2	38.1	38.1	41.0	46.8	46.8	38.1	38.1
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°	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1
2.5°	7982.5	8005.9	8304.5	8342.5	8488.9	8638.2	8939.7	9156.3	9331.9	9446.1	9478.3
5°	6756.0	6905.3	7042.9	7265.3	7467.3	7754.2	8084.9	8494.8	9009.9	9273.4	9378.8
7.5°	5289.5	5465.1	5664.1	5880.8	6176.4	6691.6	7133.6	7607.8	8266.4	8538.7	8951.4
10°	4317.6	4513.8	4777.2	4944.1	5301.2	5792.9	6308.1	6855.5	7484.9	7877.1	8354.2
12.5°	3817.1	3978.1	4221.0	4572.3	4838.7	5157.7	5541.2	6232.0	7133.6	7505.4	7833.2
15°	3263.8	3442.4	3723.4	4112.7	4431.8	4812.3	5242.6	5994.9	6955.0	7528.8	7806.9
17.5°	2807.2	2936.0	3231.6	3568.3	3934.2	4349.8	4967.5	5983.2	7142.4	7877.1	8330.8
20°	2491.1	2508.6	2669.6	2956.5	3454.1	3995.6	4797.7	5924.7	7742.5	8477.2	9050.9
22.5°	2292.0	2274.4	2277.4	2520.3	2868.7	3647.3	4531.3	6123.7	8424.5	9431.5	9817.9
25°	2192.5	2145.6	2116.4	2169.1	2485.2	3234.6	4329.3	6387.2	9159.2	10218.9	10693.1
27.5°	2139.8	2057.8	1999.3	2008.1	2239.3	3026.7	4203.5	6501.3	9888.1	11316.6	11483.4
30°	2119.3	2016.8	1932.0	1902.7	2054.9	2736.9	3934.2	6697.5	10540.9	11919.6	12063.0
32.5°	2046.1	1920.2	1838.3	1811.9	1873.4	2482.3	3741.0	6838.0	11117.5	12575.3	12525.5
35°	1961.2	1855.8	1753.4	1703.6	1747.5	2318.3	3585.8	6770.6	11796.6	13084.6	13058.3
37.5°	1952.4	1814.9	1730.0	1648.0	1645.1	2116.4	3375.1	6835.0	12229.9	13997.9	13637.9
40°	1876.3	1788.5	1677.3	1610.0	1571.9	2013.9	3170.2	6682.8	12865.1	14366.7	14012.5
42.5°	1879.3	1747.5	1650.9	1571.9	1533.9	1864.6	3029.7	6641.8	13087.5	14966.8	14188.2
45°	1832.4	1703.6	1621.7	1528.0	1507.5	1750.5	2895.0	6451.6	13479.8	14996.1	13968.6
47.5°	1785.6	1671.4	1583.6	1472.4	1425.5	1709.5	2789.6	6293.5	13274.9	14720.9	13664.2
50°	1753.4	1621.7	1539.7	1460.7	1329.0	1639.2	2652.0	6255.4	12988.0	14349.2	13099.3
52.5°	1697.8	1580.7	1495.8	1434.3	1223.6	1574.8	2599.4	6477.9	13339.3	14071.1	12935.3
55°	1645.1	1525.1	1416.8	1296.8	1135.8	1405.1	2453.0	6685.7	13851.5	14712.1	13678.8
57.5°	1589.5	1475.3	1358.2	1214.8	1050.9	1229.4	2300.8	6723.8	12891.4	13596.9	12985.1
60°	1516.3	1369.9	1282.1	1094.8	960.1	1018.7	1823.7	5927.6	9999.3	11354.6	11375.1
62.5°	1434.3	1276.3	1200.2	980.6	866.5	878.2	1487.0	4982.1	8111.3	9399.3	9958.4
65°	1326.0	1173.8	1083.1	907.4	799.1	761.1	1088.9	3650.2	6161.8	7625.4	8260.6
67.5°	1185.5	1042.1	927.9	790.3	714.2	652.8	743.5	2054.9	3638.5	5119.7	5312.9
70°	1036.2	913.3	793.3	679.1	594.2	550.3	544.5	910.4	1738.8	2754.5	3135.0
72.5°	816.7	728.9	632.3	547.4	491.8	427.4	389.3	377.6	588.4	1121.1	1548.5
75°	585.4	512.3	456.6	401.0	360.0	324.9	295.6	269.3	245.9	281.0	386.4
77.5°	368.8	342.5	298.6	283.9	260.5	251.7	240.0	225.4	207.8	196.1	196.1
80°	248.8	231.2	216.6	213.7	204.9	202.0	204.9	190.3	172.7	158.1	163.9
82.5°	166.9	163.9	161.0	158.1	161.0	163.9	169.8	166.9	152.2	143.4	146.4
85°	99.5	105.4	111.2	117.1	128.8	114.2	93.7	79.0	70.3	64.4	61.5
87.5°	38.1	52.7	46.8	43.9	46.8	43.9	41.0	38.1	32.2	29.3	29.3
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: P530864

CATALOG NUMBER: GALN-SA6A-760-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1	8963.1
2.5°	9692.0	9750.5	9800.3	9788.6	9686.1	9548.6	9492.9	9209.0	9150.5	9112.4
5°	9823.7	10163.3	10236.4	10192.5	9926.2	9589.5	9261.7	8846.0	8603.1	8594.3
7.5°	9580.7	9999.3	10131.1	10230.6	9876.4	9291.0	8728.9	8105.4	7953.2	7964.9
10°	8963.1	9630.5	9955.4	10057.9	9651.0	9144.6	8366.0	7733.7	7408.8	7402.9
12.5°	8620.6	9144.6	9235.3	9378.8	9258.8	8746.5	8155.2	7446.8	7130.7	7124.8
15°	8316.2	8661.6	8688.0	8889.9	8954.3	8608.9	8210.8	7455.6	7200.9	7174.6
17.5°	8582.6	8342.5	8243.0	8269.4	8459.6	8585.5	8532.8	7953.2	7692.7	7546.3
20°	8761.1	8225.5	7924.0	7953.2	8178.6	8638.2	9012.9	8673.3	8260.6	8278.1
22.5°	9238.3	8243.0	7771.7	7739.5	8096.7	8913.3	9554.4	9583.7	9185.6	9089.0
25°	9952.5	8445.0	7724.9	7716.1	8058.6	9209.0	10186.7	10660.9	10254.0	10075.4
27.5°	10526.2	8761.1	7871.3	7900.5	8178.6	9449.0	10725.3	11354.6	11044.4	10824.8
30°	11029.7	9089.0	8076.2	7941.5	8500.6	9574.9	10956.5	12145.0	11896.2	11714.7
32.5°	11237.5	9554.4	8401.1	8178.6	8767.0	9727.1	11436.6	12911.9	12698.2	12250.4
35°	11588.8	9814.9	8576.7	8559.2	9232.4	10093.0	11662.0	13418.3	13330.5	12932.4
37.5°	11869.8	10078.4	9200.2	9007.0	9870.5	10707.7	12025.0	14117.9	13915.9	13728.6
40°	12086.4	10549.7	9782.7	10037.4	10655.0	11266.8	12358.7	14161.8	14744.3	14199.9
42.5°	11887.4	10971.2	10739.9	11348.8	11934.2	11905.0	12396.7	14501.4	14937.5	14653.6
45°	11837.6	11685.4	12253.3	12806.5	12941.2	12434.8	12124.5	14126.7	14879.0	14753.1
47.5°	11717.6	12387.9	13377.3	14278.9	14074.0	12789.0	11799.6	14059.4	14914.1	14688.7
50°	11676.6	12540.2	14208.7	15086.8	14963.9	13096.3	11647.4	13626.2	14665.3	14644.8
52.5°	11673.7	12853.4	14554.1	15525.9	15602.0	13582.2	11855.2	13845.7	14858.5	15031.2
55°	11805.4	12753.8	14510.2	15282.9	15253.7	13365.6	11878.6	13992.1	15095.6	15265.4
57.5°	11135.1	11424.9	11975.2	12587.0	12428.9	11070.7	10608.2	12935.3	13854.5	13731.5
60°	9615.9	8708.4	8087.9	8058.6	7751.2	7326.8	8682.1	11544.9	11544.9	11424.9
62.5°	8421.6	5716.8	4911.9	4683.5	4903.1	5391.9	8374.7	11228.8	10909.7	10772.1
65°	7364.9	4364.5	3550.7	3486.3	3866.8	4604.5	7572.7	9566.1	9004.1	8547.4
67.5°	4739.1	3196.5	2640.3	2526.2	2985.8	3380.9	5040.7	5883.7	5529.5	5350.9
70°	3056.0	2081.2	1469.5	1378.7	1557.3	2084.2	3219.9	3430.7	2915.5	2795.5
72.5°	1446.0	898.7	515.2	424.4	477.1	796.2	1273.3	1369.9	1138.7	1042.1
75°	459.6	330.8	210.8	181.5	172.7	204.9	292.7	225.4	163.9	161.0
77.5°	204.9	196.1	166.9	140.5	122.9	102.5	84.9	70.3	73.2	76.1
80°	169.8	155.1	137.6	122.9	102.5	79.0	61.5	46.8	46.8	49.8
82.5°	149.3	134.7	120.0	102.5	87.8	64.4	46.8	32.2	29.3	29.3
85°	64.4	76.1	82.0	87.8	70.3	52.7	32.2	20.5	17.6	17.6
87.5°	26.3	23.4	20.5	17.6	14.6	14.6	11.7	8.8	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)