

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: P530862

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530862
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-SA6A-760-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 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: 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 II - Short
BUG Rating: B3 - U0 - G3

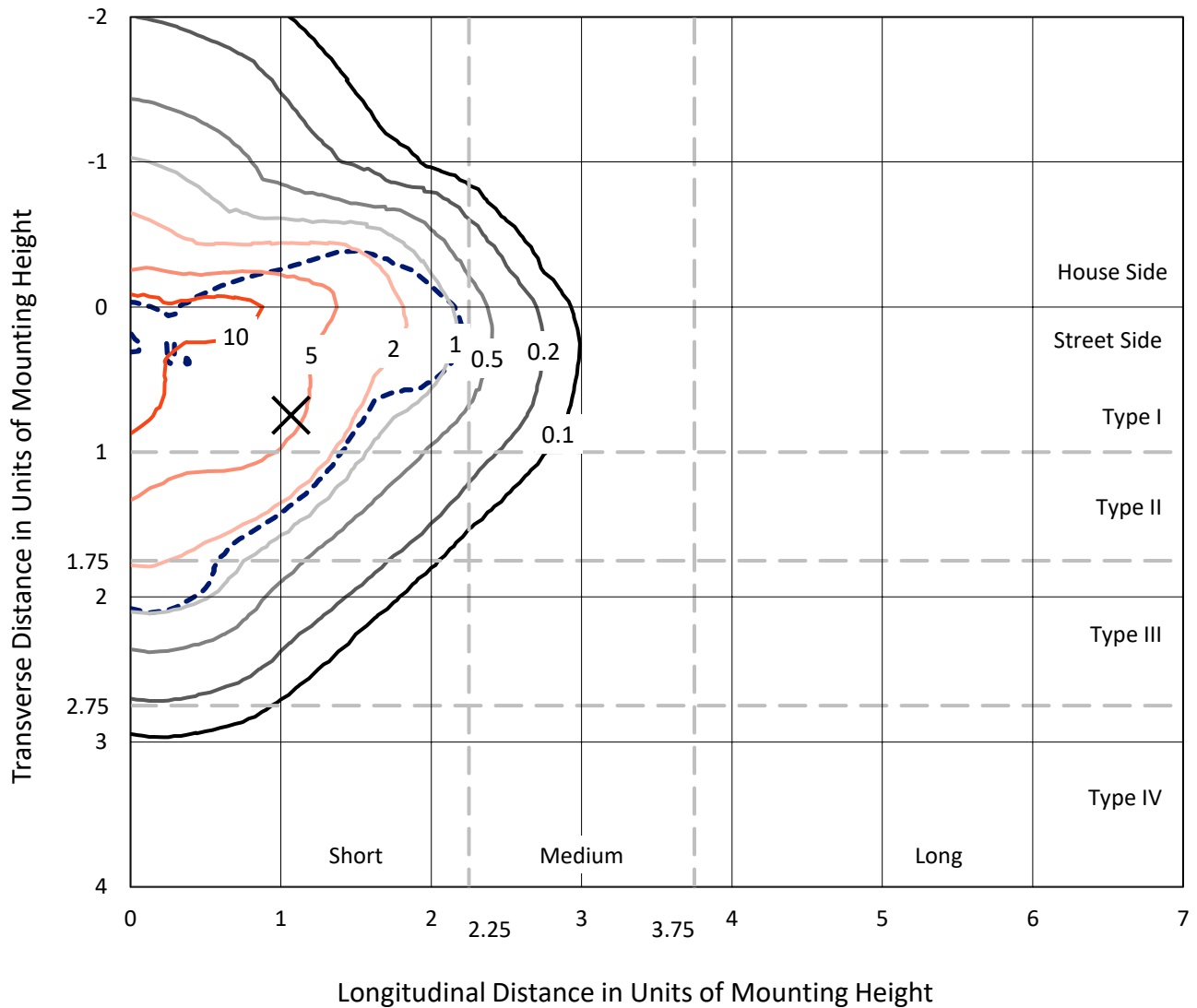
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

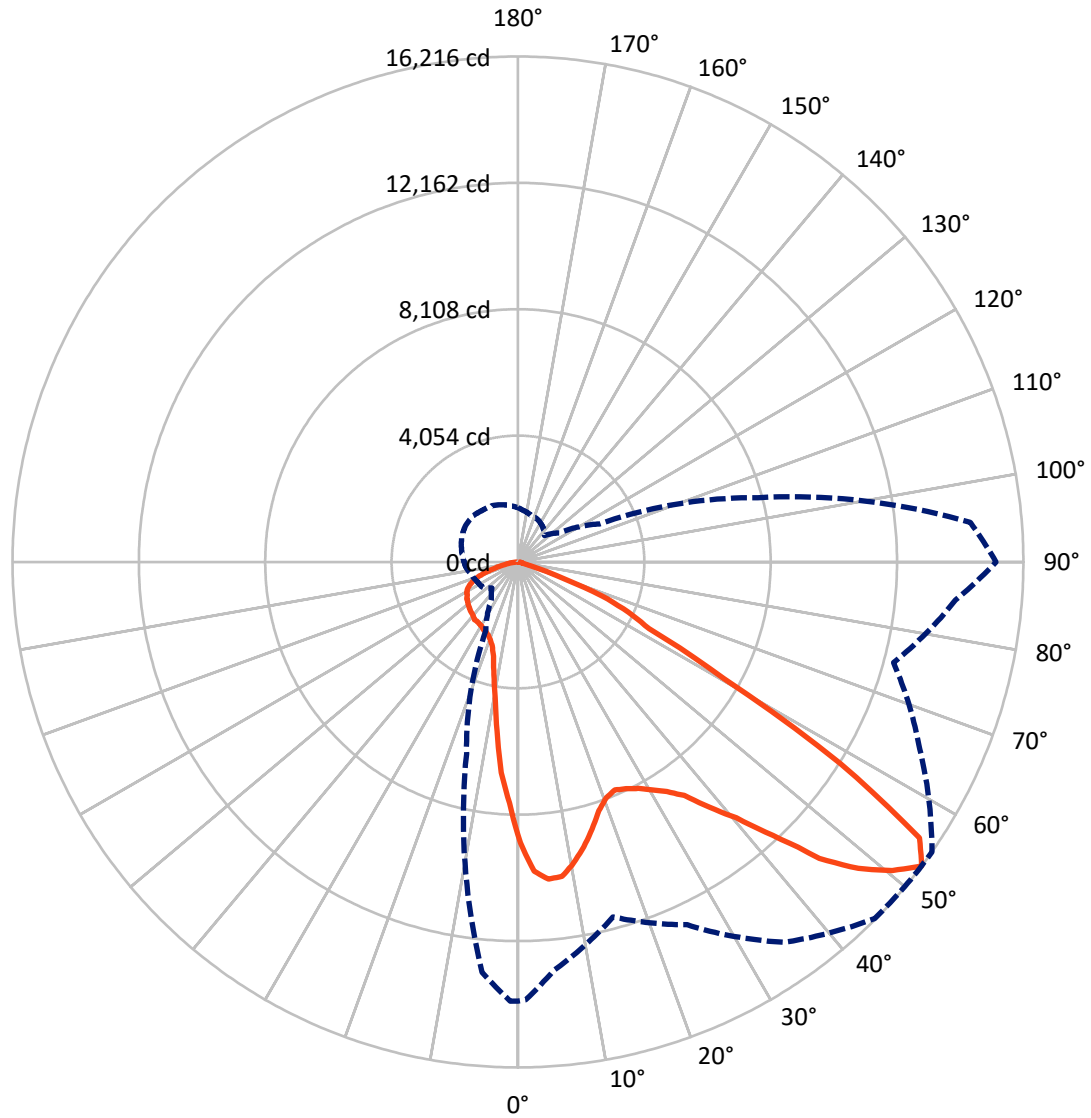
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6160.9	0.0	6160.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	14035.1	0.0	14035.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	20196.0	0.0	20196.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.3	3.4
10°-20°	1484.0	7.3
20°-30°	2250.2	11.1
30°-40°	3251.2	16.1
40°-50°	4344.5	21.5
50°-60°	4849.5	24.0
60°-70°	2660.1	13.2
70°-80°	575.1	2.8
80°-90°	93.0	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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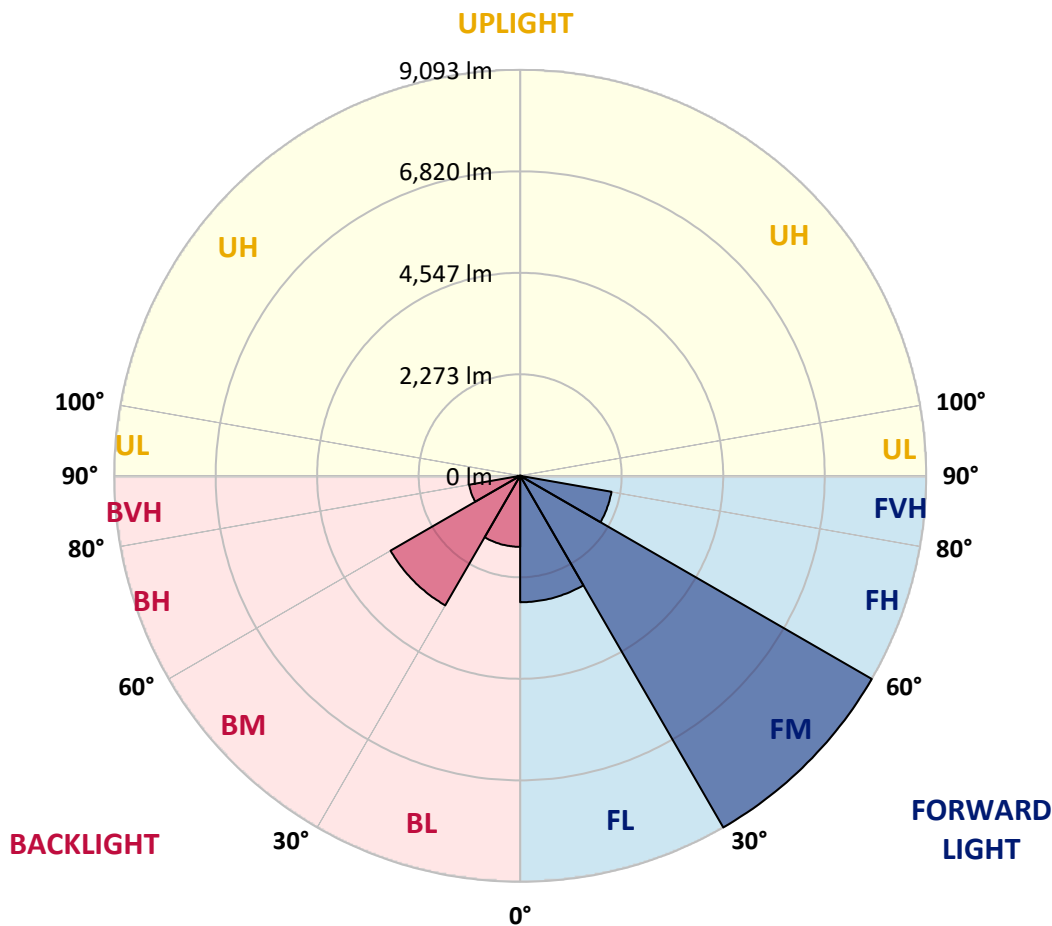
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2831.8	14.0			
FM (30°-60°)	9093.2	45.0			
FH (60°-80°)	2075.6	10.3			G2/5000
FVH (80°-90°)	34.4	0.2			G1/100
BL (0°-30°)	1590.6	7.9	B3/2500		
BM (30°-60°)	3352.0	16.6	B3/5000		
BH (60°-80°)	1159.6	5.7	B3/2500		G3/2500
BVH (80°-90°)	58.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0
2.5°	9454.3	9401.2	9448.4	9672.5	9802.2	9890.7	9946.7	9937.9	9725.6	9519.1	9519.1
5°	9177.1	9109.2	9206.6	9713.8	10223.9	10268.2	10341.9	10221.0	9908.4	9530.9	9059.1
7.5°	8375.0	8425.1	8587.3	9253.7	9917.2	10250.5	10338.9	10185.6	9678.4	8973.6	8280.6
10°	7682.0	7799.9	8174.4	8894.0	9504.4	9937.9	10035.2	9819.9	9418.9	8554.8	7935.6
12.5°	7443.1	7369.4	7785.2	8504.7	9088.6	9321.6	9365.8	9380.5	9109.2	8342.5	7587.6
15°	7413.6	7460.8	7785.2	8330.7	8690.5	8702.3	8776.0	8891.0	8926.4	8487.0	7749.8
17.5°	7838.3	7782.2	8115.5	8548.9	8377.9	8206.9	8224.6	8389.7	8681.6	8610.9	8260.0
20°	8466.4	8593.2	8855.6	8811.4	8351.4	7917.9	7920.8	8077.1	8652.2	9124.0	8970.6
22.5°	9510.3	9634.2	9828.8	9295.0	8351.4	7832.4	7732.1	7944.4	8840.9	9734.4	9772.8
25°	10462.8	10689.9	10742.9	10114.8	8770.1	7912.0	7847.1	8056.5	9029.6	10330.1	10692.8
27.5°	11329.8	11412.4	11645.3	10642.7	9003.1	7965.1	7959.2	8227.5	9268.5	10627.9	11515.6
30°	12013.9	12005.1	12137.8	10975.9	9374.6	8262.9	7976.9	8484.1	9581.1	11120.4	12276.4
32.5°	12479.9	12580.1	12860.3	11438.9	9530.9	8546.0	8321.9	8784.9	9961.5	11353.4	12813.1
35°	13299.7	13473.7	13119.8	11695.5	10026.4	8826.1	8563.7	9194.8	10150.2	11607.0	13470.7
37.5°	14072.3	13939.6	13579.8	11834.1	10347.8	9345.2	9100.4	9988.0	10737.1	12158.4	13907.1
40°	14567.7	14564.8	13924.8	11946.1	10574.9	10138.4	10123.7	10793.1	11456.6	12506.4	14396.7
42.5°	14783.0	14989.4	14066.4	11934.3	11052.6	11099.8	11397.6	11996.2	11966.8	12577.2	14384.9
44°	15077.9	15201.7	14311.2	11960.9	11371.1	11748.5	12450.4	12830.8	12412.0	12538.8	14370.1
45°	15066.1	15074.9	13963.2	11996.2	11642.4	12291.1	12919.3	13562.1	12804.2	12456.3	14564.8
47.5°	14721.1	14620.8	13668.3	11733.8	12488.7	13724.3	14305.3	14694.5	13287.9	12279.3	14322.9
50°	14039.9	13924.8	12951.7	11621.7	12665.7	14614.9	15417.0	15558.5	13727.3	12105.4	14084.1
52.5°	14087.0	14054.6	13155.2	11789.8	12842.6	14895.0	16180.8	16216.2	14225.6	12471.0	14087.0
55°	14930.4	14818.4	13739.1	11999.2	12712.8	14567.7	15694.2	15632.3	14057.5	12249.9	14346.5
57.5°	13662.4	13736.1	12931.1	11170.5	11126.3	11842.9	12338.3	12185.0	11730.8	11055.5	13346.9
60°	11023.1	11232.5	11309.1	9342.2	8395.6	8027.0	7879.5	7608.2	7684.9	9082.7	11724.9
62.5°	9454.3	9442.5	9923.1	8469.3	5499.8	4730.1	4659.3	4721.2	5605.9	8941.2	11483.1
65°	7496.2	7696.7	7844.2	7177.7	4352.6	3512.2	3509.2	3901.4	4851.0	7472.6	9271.4
67.5°	4759.6	5022.0	5204.9	4591.5	2910.6	2500.7	2432.9	2904.7	3361.8	4901.1	5582.3
70°	2683.5	2807.4	2890.0	2648.1	1851.9	1297.5	1220.9	1332.9	2031.8	3173.0	3308.7
72.5°	1035.1	1091.1	1203.2	1212.0	698.9	418.7	339.1	407.0	855.2	1256.2	1197.3
75°	159.2	171.0	241.8	289.0	200.5	153.3	162.2	168.1	238.9	324.4	271.3
77.5°	76.7	76.7	73.7	85.5	100.3	109.1	118.0	129.8	141.5	156.3	150.4
80°	50.1	50.1	50.1	59.0	73.7	88.5	100.3	106.2	112.1	123.9	118.0
82.5°	32.4	32.4	32.4	44.2	59.0	73.7	79.6	94.4	106.2	123.9	115.0
85°	17.7	17.7	17.7	29.5	44.2	61.9	59.0	47.2	26.5	2.9	5.9
87.5°	5.9	5.9	5.9	5.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0
2.5°	9271.4	9135.8	9124.0	8846.8	8599.1	8478.2	8380.9	8109.6	8168.5	8012.2	8009.3
5°	8823.2	8546.0	8097.8	7729.1	7360.5	7286.8	6965.4	6685.2	6694.1	6493.5	6528.9
7.5°	8018.1	7826.5	7280.9	6702.9	6213.4	5865.4	5561.7	5378.8	5145.9	5066.3	5025.0
10°	7508.0	7272.1	6658.7	5933.2	5384.7	5199.0	4907.0	4744.8	4506.0	4388.0	4305.4
12.5°	7283.9	6938.8	6172.1	5434.9	5069.2	4877.5	4629.8	4334.9	4051.8	3942.7	3792.3
15°	7307.4	6894.6	6030.6	5234.3	4795.0	4423.4	4202.2	3874.9	3585.9	3394.2	3285.1
17.5°	7664.3	7162.9	6095.4	5081.0	4449.9	3984.0	3550.5	3196.6	2966.6	2822.1	2786.7
20°	8507.7	7826.5	6204.5	4833.3	4104.9	3524.0	2990.2	2621.6	2444.7	2441.7	2444.7
22.5°	9209.5	8534.2	6425.7	4685.8	3759.9	2934.2	2403.4	2285.4	2250.0	2323.8	2332.6
25°	10156.1	9330.4	6806.1	4609.2	3441.4	2500.7	2173.4	2129.1	2126.2	2220.5	2223.5
27.5°	11126.3	10026.4	7033.2	4385.1	3117.0	2276.6	2034.8	2025.9	2073.1	2173.4	2164.5
30°	11786.9	10610.2	7443.1	4116.7	2733.7	2079.0	1978.7	1990.5	2055.4	2132.1	2143.9
32.5°	12556.5	11185.3	7549.3	3969.3	2497.7	1913.9	1843.1	1869.6	1952.2	2073.1	2138.0
35°	13438.3	11592.2	7711.4	3768.7	2409.3	1787.1	1751.7	1781.2	1881.4	1961.0	2031.8
37.5°	14090.0	12311.8	7740.9	3612.4	2312.0	1716.3	1660.2	1757.6	1816.5	1928.6	1964.0
40°	14573.6	12833.7	7817.6	3515.1	2235.3	1624.9	1624.9	1689.7	1769.4	1872.6	1943.3
42.5°	14883.2	13214.2	7873.6	3426.7	2087.8	1598.3	1583.6	1648.5	1754.6	1854.9	1887.3
44°	15072.0	13376.3	7817.6	3344.1	2046.6	1565.9	1565.9	1621.9	1704.5	1822.4	1860.8
45°	15119.2	13579.8	7693.8	3341.1	1996.4	1527.5	1521.6	1627.8	1683.8	1828.3	1851.9
47.5°	15302.0	13830.5	7708.5	3246.8	1875.5	1436.1	1539.3	1586.5	1636.7	1763.5	1843.1
50°	15296.1	13986.8	7676.1	3108.2	1787.1	1332.9	1504.0	1557.0	1607.2	1736.9	1769.4
52.5°	15337.4	14570.7	7973.9	2887.0	1627.8	1200.2	1386.0	1504.0	1565.9	1675.0	1742.8
55°	15316.7	14903.9	8268.8	2721.9	1403.7	1120.6	1285.7	1424.3	1512.8	1627.8	1660.2
57.5°	13989.7	13172.9	7652.5	2412.2	1161.9	1026.2	1144.2	1341.8	1453.8	1571.8	1613.1
60°	11430.0	10153.2	6310.7	1775.3	955.5	943.7	1064.6	1315.2	1362.4	1465.6	1536.4
62.5°	10563.1	8905.8	5004.3	1356.5	816.9	864.0	982.0	1188.4	1262.1	1388.9	1453.8
65°	8265.8	5915.6	3099.3	917.1	719.5	775.6	887.6	1041.0	1161.9	1279.8	1356.5
67.5°	4895.2	3232.0	1533.4	642.9	628.1	687.1	802.1	917.1	1055.7	1185.5	1223.8
70°	2665.8	1589.5	654.7	489.5	533.8	586.8	698.9	778.5	911.2	1011.5	1076.4
72.5°	855.2	483.6	327.3	362.7	407.0	468.9	536.7	634.0	728.4	787.4	840.4
75°	206.4	203.5	233.0	253.6	294.9	342.1	398.1	448.2	522.0	578.0	625.2
77.5°	144.5	156.3	179.9	209.4	224.1	241.8	277.2	315.5	348.0	389.3	418.7
80°	112.1	120.9	138.6	153.3	168.1	182.8	200.5	215.3	235.9	262.5	277.2
82.5°	106.2	112.1	129.8	138.6	132.7	129.8	141.5	147.4	150.4	159.2	168.1
85°	8.8	0.0	5.9	20.6	50.1	73.7	79.6	79.6	76.7	82.6	82.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.8	8.8
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°	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0
2.5°	7973.9	7873.6	7912.0	7959.2	7891.3	7735.0	7776.3	7758.6	7917.9	7906.1	8065.3
5°	6685.2	6528.9	6546.6	6776.6	6702.9	6782.5	6623.3	6602.7	6632.1	6646.9	6673.4
7.5°	5116.4	5095.7	5272.7	5467.3	5558.7	5464.4	5308.1	5272.7	5240.2	5175.4	5322.8
10°	4175.7	4181.6	4169.8	4317.2	4420.4	4399.8	4305.4	4293.6	4231.7	4208.1	4290.7
12.5°	3727.4	3647.8	3609.5	3562.3	3641.9	3695.0	3653.7	3624.2	3627.2	3656.7	3668.5
15°	3294.0	3243.8	3161.3	3108.2	3146.5	3120.0	3105.2	3164.2	3149.5	3143.6	3214.3
17.5°	2807.4	2848.7	2842.8	2783.8	2833.9	2813.3	2810.3	2769.0	2713.0	2671.7	2695.3
20°	2485.9	2562.6	2621.6	2624.5	2651.1	2648.1	2603.9	2477.1	2435.8	2427.0	2432.9
22.5°	2370.9	2412.2	2483.0	2583.3	2583.3	2536.1	2483.0	2335.6	2297.2	2255.9	2238.2
25°	2279.5	2359.1	2450.6	2462.4	2509.5	2465.3	2379.8	2306.1	2226.4	2170.4	2170.4
27.5°	2232.3	2320.8	2388.6	2409.3	2474.2	2438.8	2350.3	2255.9	2161.6	2158.6	2108.5
30°	2211.7	2294.3	2338.5	2388.6	2418.1	2362.1	2335.6	2235.3	2140.9	2117.3	2034.8
32.5°	2149.8	2267.7	2350.3	2338.5	2362.1	2338.5	2300.2	2217.6	2111.4	2058.4	2049.5
35°	2079.0	2197.0	2285.4	2347.3	2362.1	2312.0	2288.4	2176.3	2031.8	2005.3	1913.9
37.5°	2040.7	2111.4	2220.5	2320.8	2341.4	2314.9	2235.3	2120.3	1975.8	1946.3	1866.7
40°	1993.5	2084.9	2170.4	2253.0	2314.9	2250.0	2158.6	2046.6	1981.7	1893.2	1869.6
42.5°	1958.1	2061.3	2132.1	2223.5	2294.3	2208.7	2102.6	2025.9	1934.5	1875.5	1807.7
44°	1946.3	2040.7	2087.8	2199.9	2258.9	2194.0	2105.5	2025.9	1919.8	1866.7	1807.7
45°	1905.0	2034.8	2084.9	2185.2	2235.3	2182.2	2070.1	1990.5	1913.9	1849.0	1787.1
47.5°	1863.7	1952.2	2037.7	2117.3	2152.7	2135.0	2040.7	1943.3	1851.9	1813.6	1754.6
50°	1851.9	1940.4	2020.0	2093.7	2135.0	2099.6	2014.1	1919.8	1813.6	1751.7	1701.5
52.5°	1792.9	1902.1	1990.5	2014.1	2067.2	2046.6	1981.7	1878.5	1778.2	1725.1	1683.8
55°	1707.4	1822.4	1943.3	1972.8	2049.5	2017.1	1919.8	1822.4	1736.9	1657.3	1604.2
57.5°	1675.0	1787.1	1905.0	1943.3	1990.5	1937.4	1913.9	1810.6	1675.0	1633.7	1551.1
60°	1592.4	1734.0	1831.3	1919.8	1922.7	1908.0	1866.7	1748.7	1636.7	1560.0	1501.0
62.5°	1527.5	1660.2	1736.9	1819.5	1869.6	1828.3	1787.1	1677.9	1557.0	1471.5	1403.7
65°	1433.2	1554.1	1619.0	1669.1	1725.1	1719.2	1648.5	1568.8	1442.0	1374.2	1309.3
67.5°	1288.7	1394.8	1483.3	1530.5	1565.9	1557.0	1504.0	1447.9	1318.2	1250.3	1203.2
70°	1114.7	1223.8	1279.8	1306.4	1341.8	1359.5	1318.2	1291.6	1176.6	1088.2	1043.9
72.5°	896.5	967.2	1049.8	1073.4	1088.2	1100.0	1100.0	1076.4	958.4	923.0	846.3
75°	660.6	716.6	778.5	778.5	805.1	808.0	813.9	799.2	710.7	663.5	645.8
77.5°	448.2	489.5	539.7	560.3	578.0	575.0	572.1	530.8	483.6	463.0	445.3
80°	291.9	333.2	356.8	383.4	401.1	398.1	404.0	374.5	353.9	318.5	324.4
82.5°	174.0	206.4	230.0	262.5	262.5	271.3	271.3	262.5	241.8	224.1	224.1
85°	82.6	109.1	123.9	144.5	156.3	159.2	141.5	120.9	100.3	91.4	100.3
87.5°	14.7	20.6	29.5	26.5	32.4	29.5	29.5	29.5	29.5	23.6	26.5
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: P530862

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0	9009.0
2.5°	8006.3	8153.8	8257.0	8428.0	8722.9	8958.8	9200.7	9380.5	9401.2	9454.3
5°	6770.7	6850.4	7112.8	7454.9	7696.7	8094.8	8351.4	8817.3	8991.3	9177.1
7.5°	5287.4	5417.2	5768.1	5998.1	6528.9	7027.3	7543.4	8118.4	8348.4	8375.0
10°	4458.8	4647.5	4886.4	5255.0	5544.0	6098.4	6741.3	7381.2	7637.7	7682.0
12.5°	3916.2	4158.0	4476.5	4741.9	5019.1	5502.7	6119.0	6909.3	7242.6	7443.1
15°	3394.2	3644.9	3995.8	4364.4	4609.2	5187.2	5912.6	6803.2	7236.7	7413.6
17.5°	2857.5	3090.5	3379.5	3777.6	4270.0	4918.8	5880.2	7157.1	7631.8	7838.3
20°	2397.5	2527.2	2863.4	3273.3	3889.6	4644.6	5892.0	7679.0	8375.0	8466.4
22.5°	2217.6	2247.1	2379.8	2757.2	3432.6	4364.4	6101.3	8419.2	9209.5	9510.3
25°	2079.0	2073.1	2108.5	2362.1	3099.3	4255.3	6307.8	9100.4	10135.5	10462.8
27.5°	2002.3	1943.3	1946.3	2185.2	2863.4	4078.4	6573.2	9881.9	11185.3	11329.8
30°	1964.0	1952.2	1916.8	2014.1	2606.9	3813.0	6617.4	10651.5	11804.6	12013.9
32.5°	1940.4	1825.4	1781.2	1816.5	2365.0	3524.0	6782.5	11158.7	12571.3	12479.9
35°	1822.4	1719.2	1689.7	1725.1	2194.0	3361.8	6673.4	11601.1	13146.3	13299.7
37.5°	1778.2	1686.8	1627.8	1598.3	2034.8	3226.1	6617.4	12282.3	13703.7	14072.3
40°	1736.9	1639.6	1568.8	1539.3	1910.9	3046.2	6599.7	12807.2	14346.5	14567.7
42.5°	1689.7	1627.8	1548.2	1495.1	1760.5	2866.4	6396.2	12969.4	14544.1	14783.0
44°	1675.0	1580.6	1498.1	1480.4	1701.5	2774.9	6354.9	13116.8	14715.2	15077.9
45°	1660.2	1571.8	1477.4	1453.8	1680.9	2724.8	6298.9	13152.2	14998.3	15066.1
47.5°	1619.0	1562.9	1471.5	1406.6	1636.7	2615.7	6130.8	12951.7	14709.3	14721.1
50°	1586.5	1521.6	1427.3	1300.5	1577.7	2524.3	6207.5	12878.0	14013.3	14039.9
52.5°	1551.1	1453.8	1400.7	1182.5	1480.4	2447.6	6369.7	13211.2	14092.9	14087.0
55°	1509.9	1403.7	1273.9	1082.3	1318.2	2350.3	6761.9	13868.8	14830.2	14930.4
57.5°	1445.0	1353.6	1167.8	993.8	1132.4	2164.5	6635.1	12609.6	13644.7	13662.4
60°	1359.5	1273.9	1058.7	926.0	928.9	1707.4	5933.2	9825.8	10766.5	11023.1
62.5°	1276.9	1229.7	967.2	828.6	790.3	1359.5	5016.1	8165.6	9241.9	9454.3
65°	1179.6	1064.6	887.6	754.9	678.3	952.5	3553.5	6101.3	7210.1	7496.2
67.5°	1055.7	931.9	781.5	663.5	580.9	637.0	1834.2	3467.9	4591.5	4759.6
70°	923.0	808.0	657.6	560.3	468.9	439.4	808.0	1654.3	2509.5	2683.5
72.5°	757.9	651.7	524.9	442.3	350.9	303.7	271.3	442.3	890.6	1035.1
75°	548.5	474.8	395.2	315.5	247.7	194.6	159.2	132.7	147.4	159.2
77.5°	404.0	345.0	291.9	224.1	174.0	138.6	109.1	82.6	79.6	76.7
80°	315.5	280.1	233.0	179.9	135.7	103.2	76.7	56.0	50.1	50.1
82.5°	247.7	230.0	191.7	147.4	112.1	82.6	56.0	38.3	32.4	32.4
85°	94.4	94.4	138.6	120.9	85.5	59.0	38.3	20.6	17.7	17.7
87.5°	23.6	23.6	23.6	23.6	20.6	17.7	17.7	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)