

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: P531072

Luminaire Tested: **GALN-SA6B-750-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531072
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-SA6B-750-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA 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: 25130 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

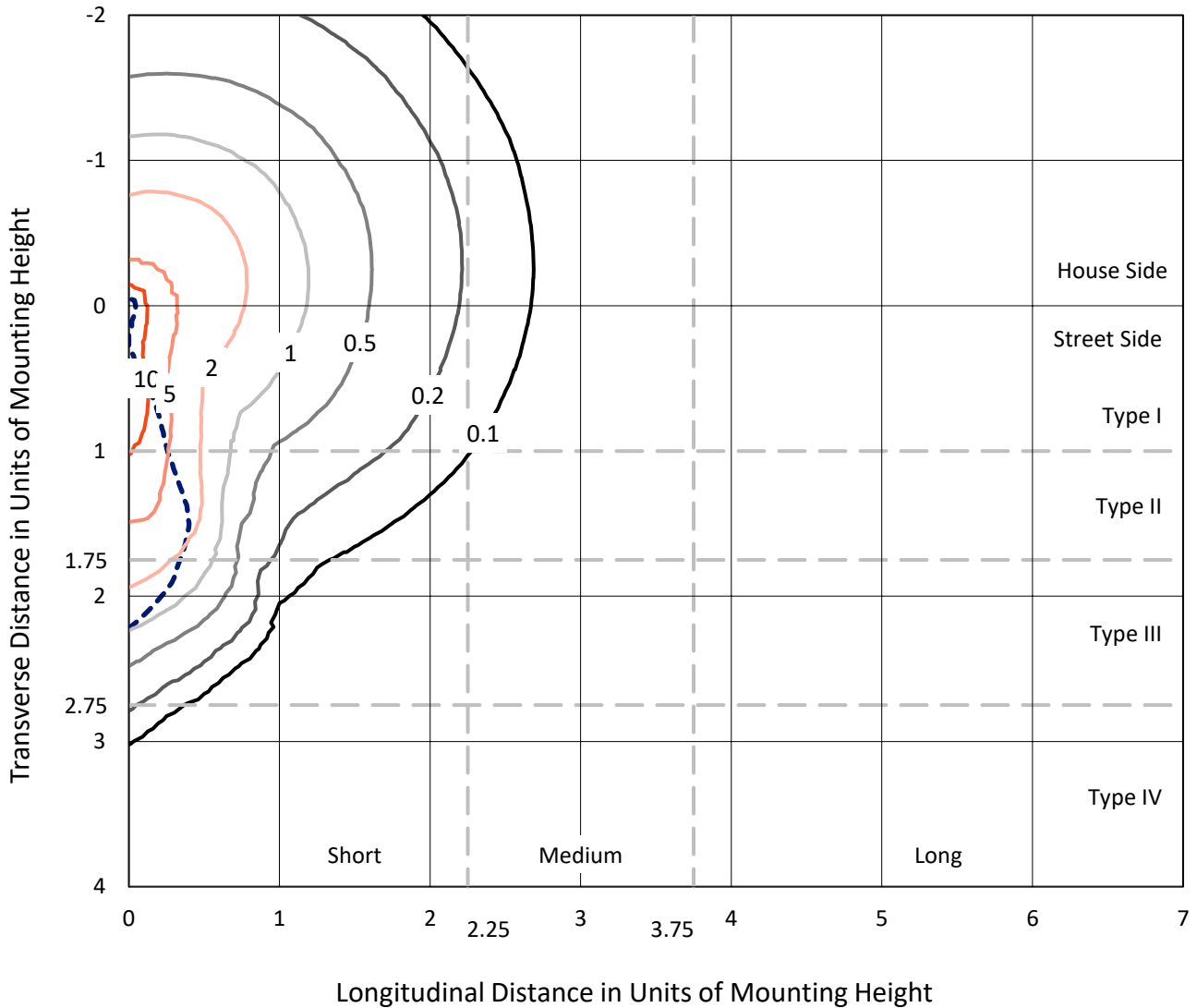
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

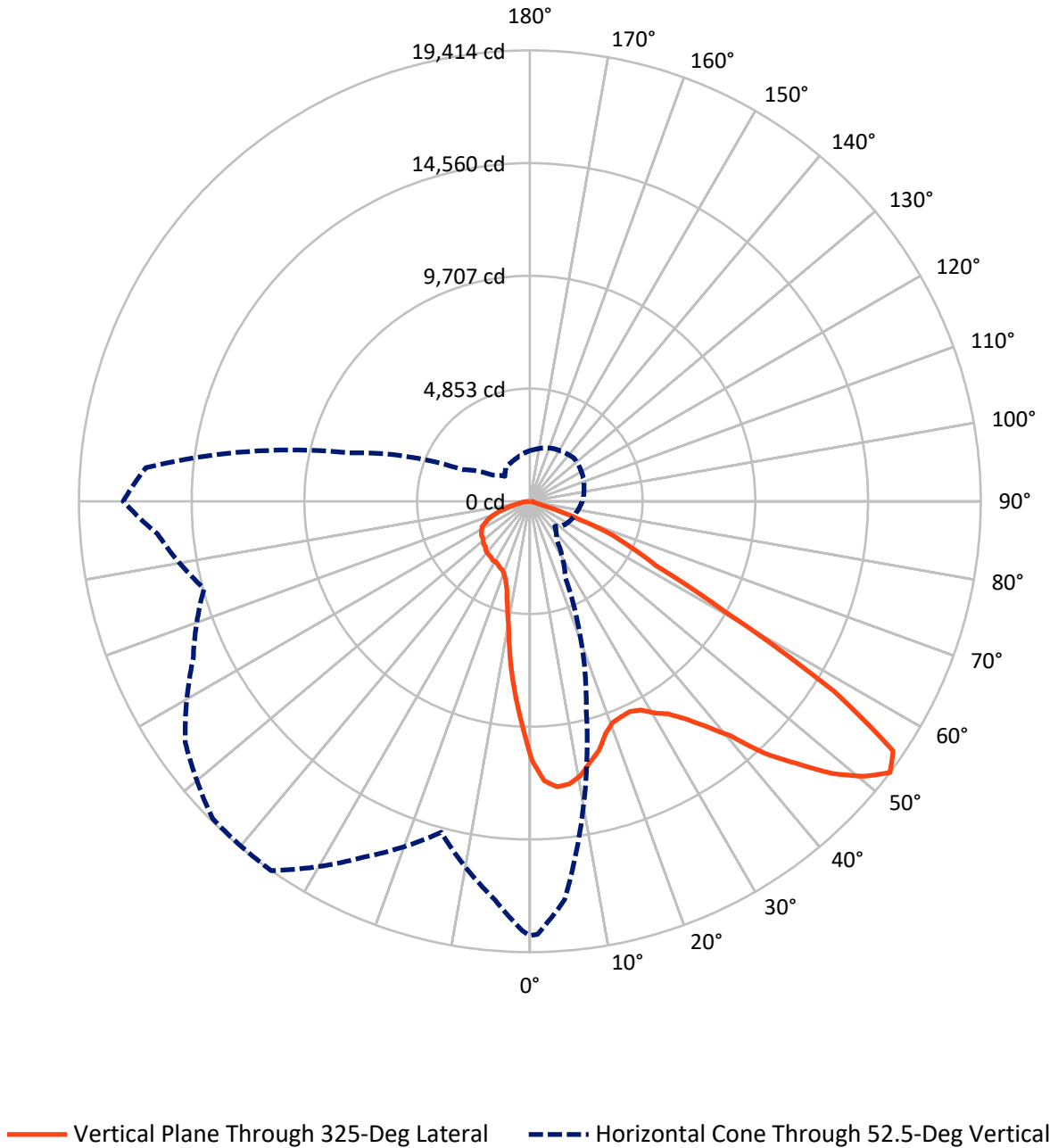
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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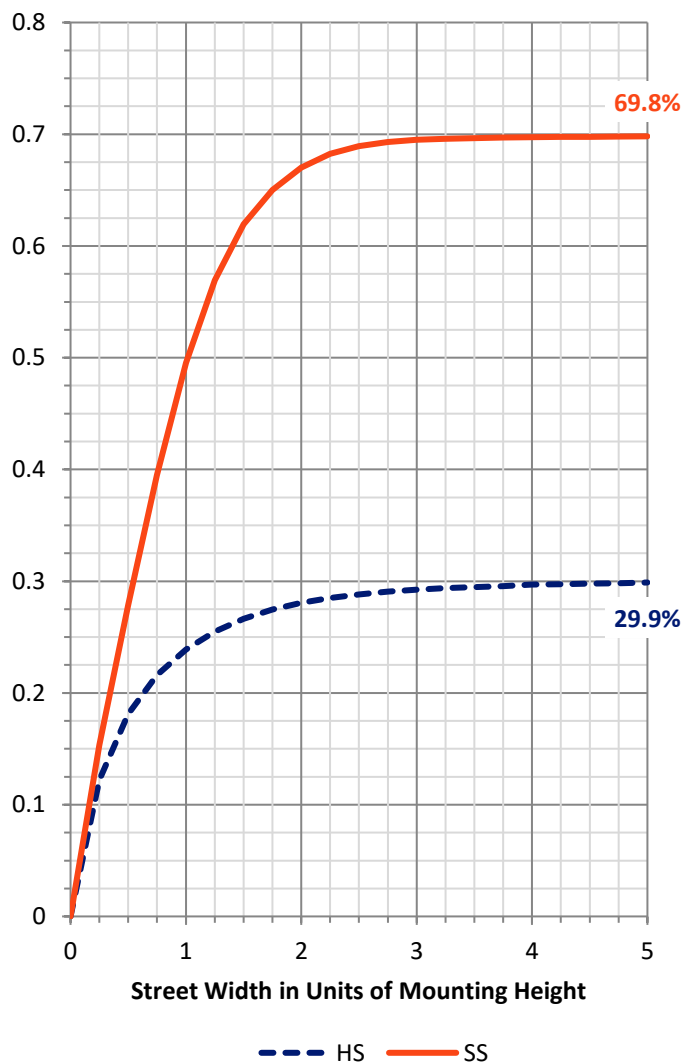
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7575.6	0.0	7575.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	17554.4	0.0	17554.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	25130.0	0.0	25130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.9	3.4
10°-20°	1844.6	7.3
20°-30°	2787.0	11.1
30°-40°	4027.3	16.0
40°-50°	5359.6	21.3
50°-60°	5994.8	23.9
60°-70°	3378.6	13.4
70°-80°	753.1	3.0
80°-90°	134.1	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°	25130.0	100.0
0°-180°	25130.0	100.0

Coefficient of Utilization



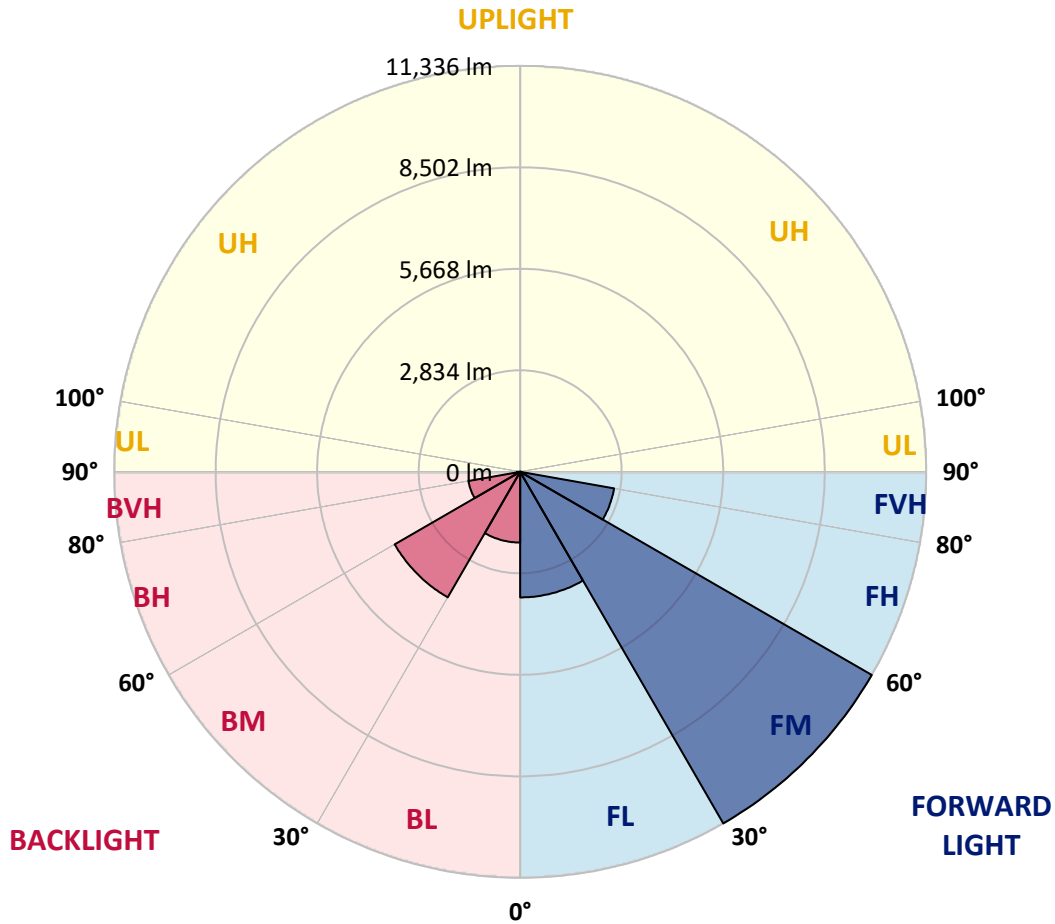
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3506.8	14.0			
FM (30°-60°)	11335.6	45.1			
FH (60°-80°)	2663.4	10.6			G2/5000
FVH (80°-90°)	48.6	0.2			G1/100
BL (0°-30°)	1975.5	7.9	B3/2500		
BM (30°-60°)	4046.1	16.1	B3/5000		
BH (60°-80°)	1468.4	5.8	B3/2500		G3/2500
BVH (80°-90°)	85.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8
2.5°	11338.6	11520.7	11324.0	10974.4	10726.7	10500.9	10264.1	10216.8	9907.2	9852.5	9626.7
5°	10693.9	10653.8	10413.5	9954.5	9448.2	8989.3	8650.6	8322.7	8100.6	7842.0	7823.7
7.5°	9910.8	9677.7	9539.3	8843.6	8217.1	7495.9	7186.3	6687.3	6530.7	6297.6	6177.4
10°	9211.5	9040.3	8716.1	8020.4	7146.3	6669.1	6337.7	6068.1	5886.0	5645.6	5343.3
12.5°	8865.5	8796.3	8432.0	7353.9	6705.5	6195.6	5962.5	5700.3	5390.7	5004.6	4855.2
15°	8927.4	8694.3	8417.5	7226.4	6330.4	5838.7	5467.2	5139.3	4742.3	4374.5	4159.6
17.5°	9390.0	9211.5	8657.8	7306.5	6188.3	5478.1	4804.2	4319.8	3962.9	3631.4	3482.1
20°	10300.5	10041.9	9419.1	7408.5	5882.4	4975.4	4203.3	3605.9	3223.5	3048.6	2997.6
22.5°	11309.5	11156.5	10162.1	7638.0	5638.3	4509.2	3565.9	2968.5	2826.5	2779.1	2873.8
25°	12536.9	12139.9	11316.8	8013.2	5448.9	4112.2	3026.8	2695.3	2622.5	2669.8	2779.1
27.5°	13469.4	13363.7	12125.4	8366.5	5190.3	3635.1	2724.5	2505.9	2527.8	2575.1	2677.1
30°	14576.6	14041.2	12908.5	8610.5	4957.2	3307.2	2513.2	2454.9	2476.8	2556.9	2607.9
32.5°	15243.2	15042.9	13400.2	8978.4	4687.7	3023.1	2349.3	2294.7	2327.5	2447.7	2567.9
35°	16091.9	15694.8	14008.4	9073.1	4498.3	2910.2	2232.8	2192.7	2269.2	2353.0	2487.7
37.5°	17082.6	16809.4	14849.8	9007.5	4396.3	2793.7	2134.4	2116.2	2170.8	2287.4	2444.0
40°	17669.0	17585.2	15290.5	9047.6	4236.0	2691.7	2021.5	2043.4	2156.3	2247.3	2400.3
42.5°	18233.6	17687.2	15942.5	9033.0	4134.1	2553.3	2032.4	2006.9	2094.3	2200.0	2345.7
45°	18357.4	17814.7	16095.5	8931.0	4010.2	2418.5	1948.7	1959.6	2065.2	2196.3	2291.0
47.5°	18277.3	17876.6	16379.6	8901.9	3893.7	2323.8	1824.8	1955.9	2017.9	2123.5	2258.3
50°	18222.6	18200.8	16620.0	9040.3	3737.0	2174.5	1675.5	1908.6	1970.5	2076.1	2221.8
52.5°	18703.4	18656.1	17221.0	9404.5	3613.2	2014.2	1522.5	1788.4	1937.7	2039.7	2181.8
55°	18994.8	18787.2	18251.8	9852.5	3405.6	1803.0	1416.9	1639.1	1857.6	1948.7	2094.3
57.5°	17086.2	16944.2	16510.7	9196.9	3055.9	1526.1	1285.7	1486.1	1748.3	1890.4	2039.7
60°	14216.1	13993.9	12883.0	7816.5	2254.6	1187.4	1205.6	1365.9	1719.2	1773.8	1948.7
62.5°	13403.8	12853.8	11342.3	6290.3	1730.1	1019.9	1081.8	1256.6	1566.2	1657.3	1832.1
65°	10635.6	10227.7	8115.1	4542.0	1158.3	885.1	987.1	1132.8	1351.3	1529.8	1690.0
67.5°	6658.2	6268.5	4330.7	2149.0	808.6	757.6	881.4	1034.4	1212.9	1373.2	1551.6
70°	3478.4	3052.3	1999.6	775.8	557.3	619.2	735.8	881.4	1056.3	1187.4	1325.8
72.5°	1296.7	1052.6	652.0	335.1	386.1	473.5	597.3	703.0	826.8	987.1	1063.6
75°	200.3	171.2	167.5	204.0	262.2	342.4	426.2	531.8	641.1	743.0	794.0
77.5°	94.7	91.1	102.0	134.8	174.8	244.0	309.6	411.6	499.0	564.6	593.7
80°	61.9	58.3	65.6	91.1	131.1	182.1	247.7	316.9	397.0	451.7	444.4
82.5°	36.4	40.1	40.1	61.9	91.1	131.1	178.5	240.4	295.0	342.4	313.2
85°	21.9	18.2	18.2	36.4	61.9	105.6	149.3	102.0	105.6	105.6	120.2
87.5°	7.3	7.3	7.3	3.6	7.3	7.3	10.9	18.2	21.9	25.5	32.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8
2.5°	9619.4	9732.3	9692.3	9550.2	9659.5	9677.7	9604.9	9856.2	9903.5	9827.0	9848.9
5°	7798.3	7827.4	7893.0	8031.4	8129.7	8246.3	8246.3	8253.5	8155.2	8402.9	8330.0
7.5°	6075.4	6093.6	6170.1	6465.2	6548.9	6771.1	6865.8	6800.3	6603.6	6519.8	6589.0
10°	5245.0	5139.3	5113.8	5150.3	5339.7	5434.4	5514.5	5492.7	5459.9	5394.3	5321.5
12.5°	4691.3	4614.8	4552.9	4465.5	4476.4	4567.5	4629.4	4578.4	4593.0	4607.6	4629.4
15°	4090.3	4035.7	4002.9	3871.8	3857.2	3919.2	3941.0	3970.2	4024.8	4028.4	4002.9
17.5°	3452.9	3405.6	3478.4	3551.3	3500.3	3503.9	3544.0	3569.5	3554.9	3489.4	3456.6
20°	3015.9	3066.9	3139.7	3208.9	3263.5	3296.3	3310.9	3270.8	3223.5	3088.7	3085.1
22.5°	2888.4	2953.9	3015.9	3121.5	3172.5	3256.3	3179.8	3088.7	3023.1	2957.6	2881.1
25°	2793.7	2848.3	2972.2	3012.2	3110.6	3179.8	3125.1	3034.1	2921.2	2826.5	2768.2
27.5°	2724.5	2786.4	2866.5	2975.8	3052.3	3092.3	3037.7	3001.3	2884.7	2771.8	2688.0
30°	2680.8	2746.3	2892.0	2983.1	3048.6	3081.4	2986.7	2943.0	2859.2	2764.5	2691.7
32.5°	2651.6	2709.9	2833.7	2950.3	2994.0	2994.0	3008.6	2957.6	2841.0	2680.8	2618.8
35°	2556.9	2637.1	2739.0	2873.8	2953.9	3001.3	2928.4	2870.2	2793.7	2629.8	2516.9
37.5°	2502.3	2556.9	2688.0	2815.5	2884.7	2935.7	2906.6	2804.6	2702.6	2567.9	2476.8
40°	2444.0	2531.4	2648.0	2768.2	2844.7	2895.7	2873.8	2753.6	2629.8	2502.3	2440.4
42.5°	2403.9	2462.2	2582.4	2717.2	2808.2	2906.6	2841.0	2691.7	2604.3	2429.4	2360.2
45°	2371.2	2465.9	2593.3	2648.0	2742.7	2844.7	2728.1	2637.1	2535.1	2407.6	2349.3
47.5°	2331.1	2418.5	2502.3	2648.0	2691.7	2739.0	2717.2	2571.5	2484.1	2345.7	2305.6
50°	2316.5	2349.3	2502.3	2582.4	2644.3	2691.7	2633.4	2524.1	2440.4	2298.3	2210.9
52.5°	2258.3	2320.2	2418.5	2524.1	2600.6	2658.9	2564.2	2495.0	2382.1	2232.8	2178.1
55°	2185.4	2221.8	2396.7	2505.9	2546.0	2586.1	2549.6	2436.7	2320.2	2167.2	2112.6
57.5°	2090.7	2174.5	2316.5	2469.5	2520.5	2542.4	2484.1	2393.0	2247.3	2112.6	2025.1
60°	1992.4	2079.8	2236.4	2360.2	2411.2	2491.4	2403.9	2349.3	2181.8	2032.4	1937.7
62.5°	1894.0	1992.4	2108.9	2265.5	2309.2	2342.0	2320.2	2243.7	2108.9	1941.4	1824.8
65°	1777.5	1850.3	1996.0	2076.1	2105.3	2181.8	2105.3	2076.1	1955.9	1795.7	1697.3
67.5°	1602.6	1664.5	1792.0	1868.5	1890.4	1923.2	1919.5	1886.7	1752.0	1642.7	1555.3
70°	1402.3	1456.9	1537.1	1628.1	1639.1	1679.1	1642.7	1635.4	1548.0	1398.7	1351.3
72.5°	1125.5	1176.5	1282.1	1322.2	1325.8	1340.4	1322.2	1296.7	1274.8	1118.2	1070.8
75°	863.2	892.4	943.4	979.8	979.8	998.0	987.1	961.6	903.3	805.0	757.6
77.5°	601.0	630.1	695.7	717.5	713.9	721.2	688.4	662.9	575.5	524.5	484.4
80°	437.1	455.3	488.1	502.6	506.3	517.2	477.1	455.3	404.3	346.0	327.8
82.5°	316.9	327.8	331.5	349.7	349.7	331.5	320.5	298.7	262.2	225.8	211.3
85°	131.1	134.8	138.4	160.3	163.9	196.7	182.1	171.2	149.3	127.5	116.6
87.5°	32.8	36.4	47.4	40.1	47.4	47.4	51.0	58.3	58.3	47.4	47.4
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°	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8
2.5°	9932.7	9961.8	10333.3	10380.7	10562.8	10748.5	11123.7	11393.2	11611.8	11753.8	11793.9
5°	8406.5	8592.3	8763.5	9040.3	9291.6	9648.6	10060.1	10570.1	11211.1	11538.9	11670.1
7.5°	6581.7	6800.3	7047.9	7317.5	7685.3	8326.4	8876.4	9466.4	10286.0	10624.7	11138.3
10°	5372.5	5616.5	5944.3	6151.9	6596.3	7208.2	7849.2	8530.4	9313.5	9801.5	10395.2
12.5°	4749.6	4949.9	5252.3	5689.3	6020.8	6417.8	6895.0	7754.5	8876.4	9339.0	9746.9
15°	4061.2	4283.4	4633.1	5117.5	5514.5	5988.0	6523.4	7459.5	8654.2	9368.1	9714.1
17.5°	3493.0	3653.3	4021.1	4440.0	4895.3	5412.5	6181.1	7444.9	8887.3	9801.5	10366.1
20°	3099.6	3121.5	3321.8	3678.8	4298.0	4971.8	5969.8	7372.1	9634.0	10548.2	11262.1
22.5°	2852.0	2830.1	2833.7	3136.1	3569.5	4538.4	5638.3	7619.8	10482.7	11735.6	12216.4
25°	2728.1	2669.8	2633.4	2699.0	3092.3	4024.8	5387.0	7947.6	11396.9	12715.4	13305.5
27.5°	2662.6	2560.6	2487.7	2498.6	2786.4	3766.2	5230.4	8089.6	12303.8	14081.3	14288.9
30°	2637.1	2509.6	2403.9	2367.5	2556.9	3405.6	4895.3	8333.7	13116.1	14831.6	15010.1
32.5°	2546.0	2389.4	2287.4	2254.6	2331.1	3088.7	4654.9	8508.5	13833.6	15647.5	15585.6
35°	2440.4	2309.2	2181.8	2119.8	2174.5	2884.7	4461.9	8424.7	14678.6	16281.3	16248.5
37.5°	2429.4	2258.3	2152.6	2050.6	2047.0	2633.4	4199.6	8504.9	15217.7	17417.7	16969.7
40°	2334.7	2225.5	2087.1	2003.3	1955.9	2505.9	3944.7	8315.5	16008.1	17876.6	17435.9
42.5°	2338.4	2174.5	2054.3	1955.9	1908.6	2320.2	3769.8	8264.5	16284.9	18623.3	17654.4
45°	2280.1	2119.8	2017.9	1901.3	1875.8	2178.1	3602.3	8027.7	16773.0	18659.7	17381.3
47.5°	2221.8	2079.8	1970.5	1832.1	1773.8	2127.1	3471.2	7831.0	16518.0	18317.3	17002.4
50°	2181.8	2017.9	1915.9	1817.5	1653.6	2039.7	3300.0	7783.7	16161.1	17854.8	16299.5
52.5°	2112.6	1966.9	1861.2	1784.7	1522.5	1959.6	3234.4	8060.5	16598.1	17508.7	16095.5
55°	2047.0	1897.7	1762.9	1613.6	1413.2	1748.3	3052.3	8319.1	17235.6	18306.4	17020.7
57.5°	1977.8	1835.7	1690.0	1511.6	1307.6	1529.8	2862.9	8366.5	16040.9	16918.7	16157.4
60°	1886.7	1704.6	1595.3	1362.2	1194.7	1267.5	2269.2	7375.7	12442.2	14128.6	14154.1
62.5°	1784.7	1588.1	1493.4	1220.2	1078.1	1092.7	1850.3	6199.3	10092.9	11695.6	12391.2
65°	1650.0	1460.6	1347.7	1129.1	994.4	947.0	1355.0	4542.0	7667.1	9488.3	10278.7
67.5°	1475.1	1296.7	1154.6	983.4	888.7	812.2	925.2	2556.9	4527.4	6370.5	6610.8
70°	1289.4	1136.4	987.1	845.0	739.4	684.8	677.5	1132.8	2163.6	3427.4	3900.9
72.5°	1016.2	906.9	786.7	681.1	611.9	531.8	484.4	469.9	732.1	1395.0	1926.8
75°	728.5	637.4	568.2	499.0	448.0	404.3	367.9	335.1	306.0	349.7	480.8
77.5°	458.9	426.2	371.5	353.3	324.2	313.2	298.7	280.5	258.6	244.0	244.0
80°	309.6	287.7	269.5	265.9	255.0	251.3	255.0	236.8	214.9	196.7	204.0
82.5°	207.6	204.0	200.3	196.7	200.3	204.0	211.3	207.6	189.4	178.5	182.1
85°	123.8	131.1	138.4	145.7	160.3	142.1	116.6	98.3	87.4	80.1	76.5
87.5°	47.4	65.6	58.3	54.6	58.3	54.6	51.0	47.4	40.1	36.4	36.4
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: P531072

CATALOG NUMBER: GALN-SA6B-750-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8	11152.8
2.5°	12059.8	12132.6	12194.6	12180.0	12052.5	11881.3	11812.1	11458.8	11386.0	11338.6
5°	12223.7	12646.2	12737.3	12682.6	12351.2	11932.3	11524.4	11007.2	10704.8	10693.9
7.5°	11921.4	12442.2	12606.1	12730.0	12289.3	11560.8	10861.5	10085.6	9896.2	9910.8
10°	11152.8	11983.3	12387.6	12515.1	12008.8	11378.7	10409.8	9623.1	9218.8	9211.5
12.5°	10726.7	11378.7	11491.6	11670.1	11520.7	10883.3	10147.6	9266.1	8872.7	8865.5
15°	10347.9	10777.7	10810.5	11061.8	11141.9	10712.1	10216.8	9277.0	8960.2	8927.4
17.5°	10679.3	10380.7	10256.8	10289.6	10526.4	10683.0	10617.4	9896.2	9572.1	9390.0
20°	10901.5	10235.0	9859.8	9896.2	10176.7	10748.5	11214.8	10792.3	10278.7	10300.5
22.5°	11495.2	10256.8	9670.4	9630.3	10074.7	11090.9	11888.6	11925.0	11429.7	11309.5
25°	12384.0	10508.2	9612.1	9601.2	10027.4	11458.8	12675.3	13265.4	12759.1	12536.9
27.5°	13097.9	10901.5	9794.3	9830.7	10176.7	11757.5	13345.5	14128.6	13742.6	13469.4
30°	13724.3	11309.5	10049.2	9881.7	10577.4	11914.1	13633.3	15112.1	14802.5	14576.6
32.5°	13982.9	11888.6	10453.5	10176.7	10908.8	12103.5	14230.6	16066.4	15800.5	15243.2
35°	14420.0	12212.8	10672.1	10650.2	11487.9	12558.8	14511.1	16696.5	16587.2	16091.9
37.5°	14769.7	12540.6	11447.9	11207.5	12282.0	13323.7	14962.7	17567.0	17315.7	17082.6
40°	15039.2	13127.0	12172.7	12489.6	13258.1	14019.4	15378.0	17621.6	18346.5	17669.0
42.5°	14791.5	13651.5	13363.7	14121.4	14849.8	14813.4	15425.3	18044.2	18586.9	18233.6
45°	14729.6	14540.2	15246.8	15935.2	16102.8	15472.7	15086.6	17577.9	18514.0	18357.4
47.5°	14580.3	15414.4	16645.5	17767.3	17512.4	15913.4	14682.3	17494.2	18557.7	18277.3
50°	14529.3	15603.8	17679.9	18772.6	18619.6	16295.8	14492.9	16955.1	18248.1	18222.6
52.5°	14525.7	15993.5	18109.7	19319.0	19413.7	16900.5	14751.5	17228.3	18488.5	18703.4
55°	14689.6	15869.7	18055.1	19016.7	18980.2	16630.9	14780.6	17410.4	18783.6	18994.8
57.5°	13855.5	14216.1	14900.8	15662.1	15465.4	13775.3	13199.8	16095.5	17239.2	17086.2
60°	11965.1	10836.0	10063.8	10027.4	9644.9	9116.8	10803.2	14365.4	14365.4	14216.1
62.5°	10479.0	7113.5	6111.8	5827.7	6100.9	6709.2	10420.7	13972.0	13575.0	13403.8
65°	9164.1	5430.7	4418.2	4338.0	4811.5	5729.4	9422.7	11903.2	11203.8	10635.6
67.5°	5897.0	3977.4	3285.4	3143.3	3715.2	4206.9	6272.1	7321.1	6880.4	6658.2
70°	3802.6	2589.7	1828.5	1715.5	1937.7	2593.3	4006.6	4268.8	3627.8	3478.4
72.5°	1799.3	1118.2	641.1	528.1	593.7	990.7	1584.4	1704.6	1416.9	1296.7
75°	571.8	411.6	262.2	225.8	214.9	255.0	364.2	280.5	204.0	200.3
77.5°	255.0	244.0	207.6	174.8	153.0	127.5	105.6	87.4	91.1	94.7
80°	211.3	193.0	171.2	153.0	127.5	98.3	76.5	58.3	58.3	61.9
82.5°	185.8	167.5	149.3	127.5	109.3	80.1	58.3	40.1	36.4	36.4
85°	80.1	94.7	102.0	109.3	87.4	65.6	40.1	25.5	21.9	21.9
87.5°	32.8	29.1	25.5	21.9	18.2	18.2	14.6	10.9	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)