

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: P458151

Luminaire Tested: **GALN-SA9C-740-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458151
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-SA9C-740-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA 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: 54938 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

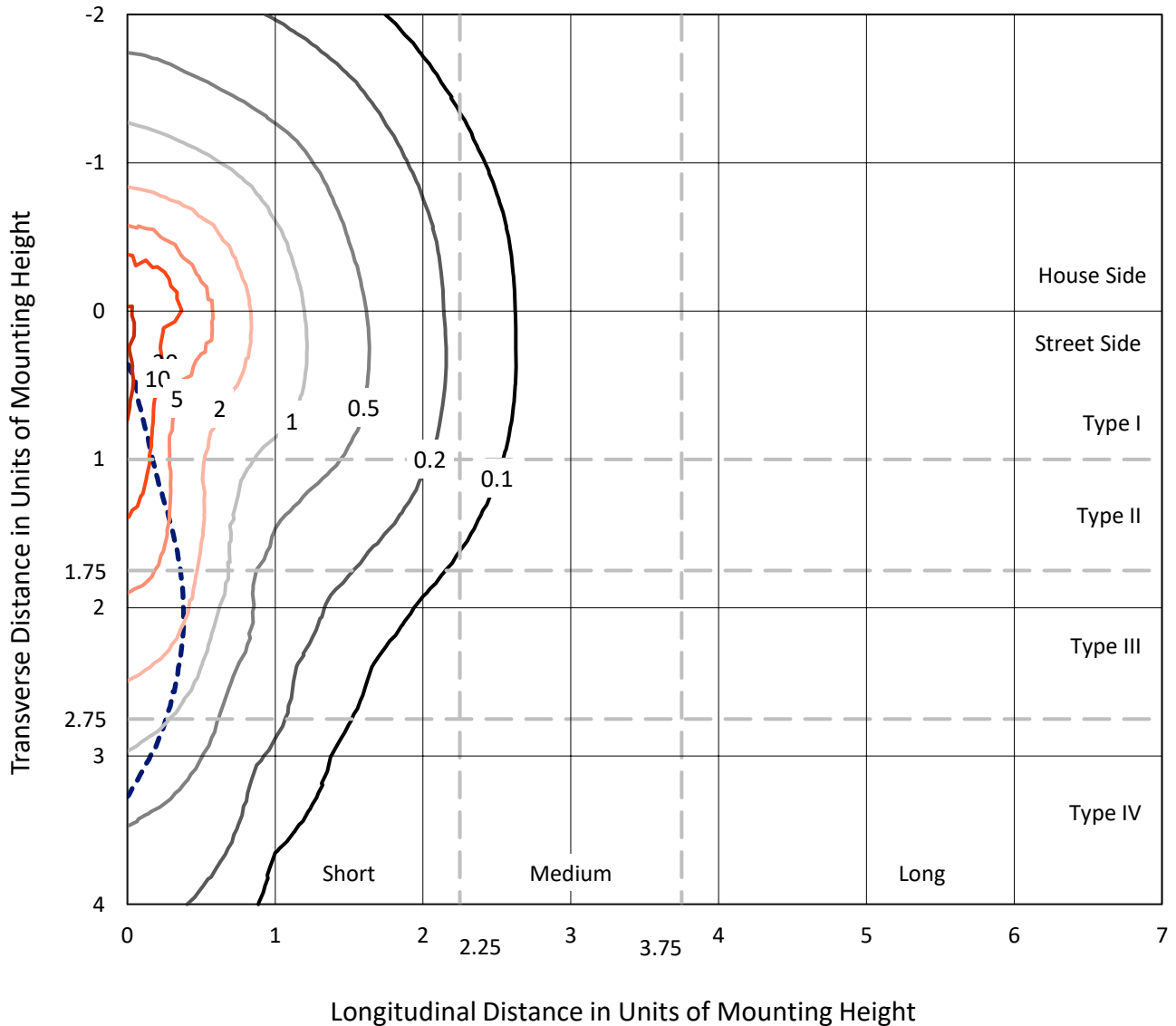
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

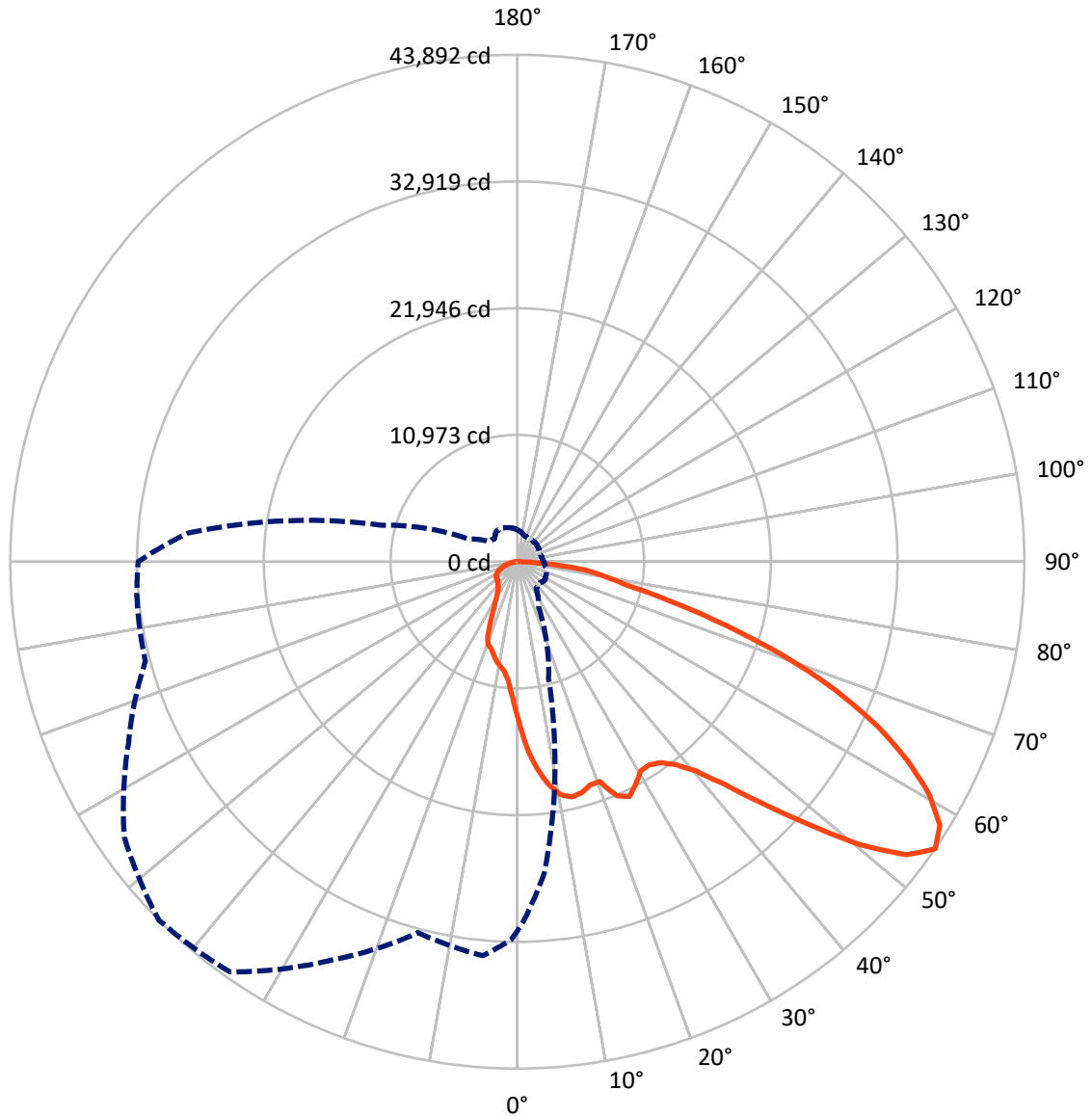
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12017.4	0.0	12017.4
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	42920.6	0.0	42920.6
	% Fixture	78.1	0.0	78.1
Total	Lumens	54938.0	0.0	54938.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1168.5	2.1
10°-20°	3100.1	5.6
20°-30°	5355.6	9.7
30°-40°	6224.0	11.3
40°-50°	8683.7	15.8
50°-60°	11782.9	21.4
60°-70°	11210.0	20.4
70°-80°	6055.9	11.0
80°-90°	1357.2	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°	54938.0	100.0
0°-180°	54938.0	100.0

Coefficient of Utilization



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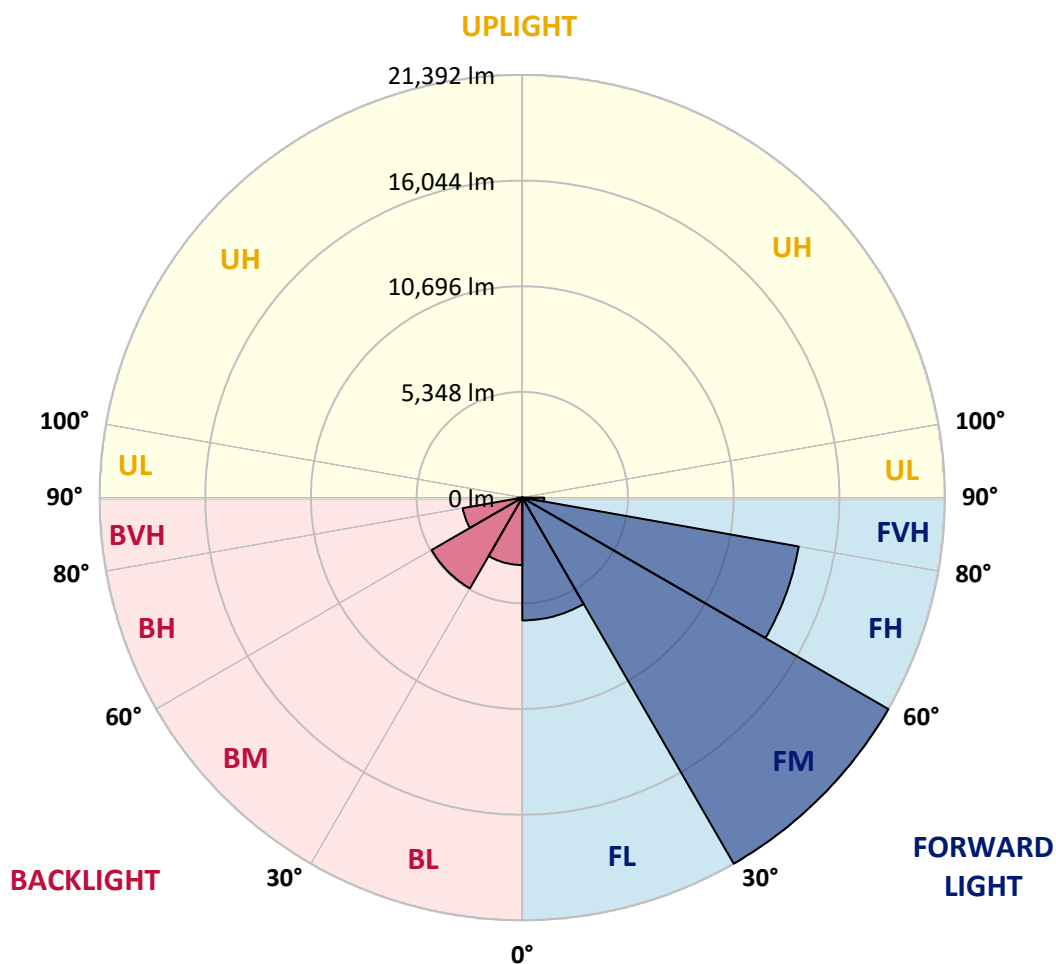
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6213.6	11.3			
FM	(30°-60°)	21391.7	38.9			
FH	(60°-80°)	14206.0	25.9			G5
FVH	(80°-90°)	1109.2	2.0			G5
BL	(0°-30°)	3410.6	6.2	B4/5000		
BM	(30°-60°)	5298.9	9.6	B4/8500		
BH	(60°-80°)	3059.9	5.6	B4/5000		G4/5000
BVH	(80°-90°)	248.0	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3
2.5°	15316.8	15258.8	15095.7	14668.0	14236.7	13798.2	13461.1	13040.7	12602.1	12366.5	12065.7
5°	15527.0	15461.8	15077.6	14113.5	13240.0	12323.0	11590.9	10949.4	10688.4	10304.2	9996.1
7.5°	15034.1	15005.1	14428.8	13044.3	11848.2	10648.5	9818.6	9303.9	8836.3	8662.4	8698.6
10°	14584.7	14468.7	13747.4	11938.8	10543.4	9568.5	8974.1	8470.3	8140.4	8053.5	8071.6
12.5°	14211.3	14055.5	13203.8	11195.8	9974.4	9195.2	8437.6	7912.1	7611.3	7694.6	7977.3
15°	14135.2	13925.0	12975.4	10942.1	9662.7	8658.7	7828.7	7223.5	6998.8	7180.0	7633.0
17.5°	14628.2	14363.6	13366.9	11025.5	9365.5	8111.5	7093.0	6400.7	6212.3	6502.2	7093.0
20°	16212.0	15820.6	14588.3	11507.5	9336.5	7839.6	6665.3	5969.4	6049.2	6600.1	7216.2
22.5°	19140.6	18553.4	16726.7	12210.7	9488.7	7770.8	6578.3	6215.9	6654.4	7122.0	7527.9
25°	19720.5	19260.2	17110.9	12370.1	9456.1	7723.6	6824.8	7006.0	7495.3	7727.3	7585.9
27.5°	20046.7	19521.1	17085.5	11580.0	8455.8	7006.0	6524.0	6824.8	6948.0	6723.3	6339.1
30°	20807.8	20260.5	17516.8	10750.0	6962.5	5197.4	4555.9	4432.7	4516.0	4559.5	4421.8
32.5°	21855.2	21315.2	18328.7	10206.4	6020.2	4298.6	3667.9	3493.9	3454.1	3407.0	3352.6
35°	23210.8	22380.8	19126.1	9858.4	5632.3	3976.0	3396.1	3262.0	3207.6	3142.4	3084.4
37.5°	24588.1	23718.2	20133.7	9492.4	5375.0	3751.3	3214.9	3153.2	3059.0	2990.1	2906.8
40°	26052.3	25077.4	21050.6	9173.4	5124.9	3606.3	3084.4	3077.1	2953.9	2874.2	2776.3
42.5°	27320.9	26316.9	21869.7	8977.7	4932.8	3454.1	3004.6	3026.4	2899.5	2779.9	2653.1
45°	28328.5	27342.6	22627.3	8977.7	4777.0	3301.8	2990.1	2975.6	2848.8	2700.2	2555.2
47.5°	29212.8	28194.4	23366.6	9206.0	4679.1	3175.0	2910.4	2935.8	2805.3	2616.8	2475.5
50°	29897.8	28999.0	24363.3	9561.2	4581.3	3073.5	2808.9	2946.7	2769.1	2573.3	2410.2
52.5°	30771.3	29966.7	25563.0	10046.9	4497.9	2961.2	2718.3	2946.7	2765.4	2577.0	2399.4
55°	31981.9	31133.8	27009.2	10449.2	4363.8	2856.0	2638.6	2863.3	2754.6	2558.8	2370.4
57.5°	32830.0	32195.7	28031.3	10717.4	4171.7	2721.9	2566.1	2783.6	2707.4	2490.0	2283.4
58°	32869.9	32250.1	28179.9	10779.0	4124.6	2696.6	2548.0	2747.3	2685.7	2461.0	2254.4
60°	32413.2	31880.4	28208.9	10692.0	3856.4	2569.7	2453.7	2598.7	2569.7	2290.6	2098.5
62.5°	30753.2	30184.2	27038.2	9985.3	3501.2	2413.9	2308.8	2399.4	2334.1	2051.4	1873.8
65°	28393.7	27346.2	24631.6	8876.2	3247.5	2247.1	2113.0	2120.3	2051.4	1848.5	1692.6
67.5°	25251.3	24080.6	20854.9	7480.8	3055.4	2062.3	1881.1	1863.0	1779.6	1649.1	1522.3
70°	21384.1	20583.1	16947.8	6085.4	2841.5	1859.3	1620.1	1609.2	1558.5	1460.6	1348.3
72.5°	17332.0	16313.5	13685.8	4871.2	2580.6	1663.6	1377.3	1399.0	1333.8	1264.9	1163.4
75°	12790.6	12123.7	10579.7	3907.1	2229.0	1449.8	1148.9	1156.2	1127.2	1054.7	975.0
77.5°	8423.2	8223.8	7567.8	2566.1	1714.4	1152.6	938.7	946.0	924.2	859.0	775.6
80°	5668.6	5534.5	5128.6	1652.7	1145.3	833.6	724.9	732.1	728.5	659.6	547.3
82.5°	3493.9	3435.9	3305.5	1116.3	793.7	598.0	478.4	500.2	540.0	463.9	373.3
85°	1649.1	1652.7	1997.1	608.9	467.6	384.2	261.0	279.1	279.1	279.1	210.2
87.5°	213.8	224.7	275.5	257.3	170.3	145.0	94.2	79.7	68.9	90.6	65.2
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°	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3
2.5°	11960.6	11888.1	11732.2	11696.0	11674.3	11735.9	11572.8	11616.3	11543.8	11746.7	11714.1
5°	10014.3	10021.5	10148.4	10231.7	10260.7	10231.7	10123.0	9934.5	9789.6	9731.6	9746.1
7.5°	8629.7	8756.6	8974.1	9216.9	9438.0	9503.2	9441.6	9082.8	8691.4	8444.9	8365.2
10°	8169.4	8339.8	8589.9	8782.0	8977.7	9133.5	9166.2	8887.1	8423.2	7839.6	7611.3
12.5°	8194.8	8426.8	8666.0	8727.6	8709.5	8771.1	8742.1	8695.0	8390.5	7647.5	7267.0
15°	7955.6	8231.1	8397.8	8365.2	8307.2	8252.8	8176.7	8057.1	7948.4	7426.4	7006.0
17.5°	7404.7	7687.4	7825.1	7836.0	7836.0	7821.5	7636.7	7593.2	7578.7	7325.0	7067.6
20°	7506.2	7662.0	7600.4	7498.9	7527.9	7625.8	7517.0	7495.3	7578.7	7691.0	7643.9
22.5°	7564.2	7509.8	7045.9	6596.4	6495.0	6799.4	6861.0	7103.9	7440.9	7846.9	8111.5
25°	7205.3	6766.8	5936.8	5429.4	5143.1	5425.8	5795.4	6244.9	6748.7	7270.6	7578.7
27.5°	6023.8	5690.3	5095.9	4639.3	4389.2	4432.7	4748.0	5157.5	5625.1	5976.7	6201.4
30°	4537.8	4389.2	4081.1	3925.2	3773.0	3736.8	3870.9	4026.7	4233.3	4276.8	4334.8
32.5°	3341.7	3320.0	3338.1	3287.3	3258.4	3254.7	3214.9	3251.1	3272.9	3298.2	3247.5
35°	3022.8	2993.8	2943.0	2928.5	2910.4	2917.7	2899.5	2881.4	2895.9	2917.7	2932.2
37.5°	2859.7	2816.2	2743.7	2718.3	2718.3	2729.2	2700.2	2692.9	2718.3	2787.2	2823.4
40°	2732.8	2682.1	2598.7	2566.1	2587.8	2616.8	2577.0	2562.5	2624.1	2696.6	2754.6
42.5°	2613.2	2573.3	2493.6	2457.4	2475.5	2529.8	2471.9	2461.0	2540.7	2620.5	2689.3
45°	2511.7	2471.9	2399.4	2381.2	2388.5	2439.2	2399.4	2399.4	2475.5	2562.5	2624.1
47.5°	2432.0	2381.2	2334.1	2319.6	2326.9	2355.9	2348.6	2348.6	2421.1	2511.7	2573.3
50°	2352.2	2308.8	2247.1	2254.4	2272.5	2312.4	2308.8	2319.6	2392.1	2504.5	2569.7
52.5°	2316.0	2250.8	2181.9	2189.1	2243.5	2290.6	2276.1	2287.0	2370.4	2580.6	2674.8
55°	2276.1	2189.1	2109.4	2120.3	2181.9	2250.8	2232.6	2247.1	2345.0	2631.3	2761.8
57.5°	2200.0	2098.5	2011.6	2018.8	2109.4	2181.9	2152.9	2171.0	2287.0	2577.0	2714.7
58°	2167.4	2080.4	1997.1	2000.7	2087.7	2167.4	2134.8	2149.3	2268.9	2562.5	2692.9
60°	2029.7	1978.9	1906.4	1910.1	1993.4	2062.3	2044.2	2058.7	2174.7	2457.4	2555.2
62.5°	1841.2	1812.2	1794.1	1794.1	1844.8	1910.1	1928.2	1946.3	2051.4	2221.8	2308.8
65°	1638.2	1638.2	1641.9	1641.9	1674.5	1757.8	1768.7	1815.8	1913.7	1997.1	2062.3
67.5°	1500.5	1493.3	1500.5	1482.4	1496.9	1547.6	1602.0	1645.5	1747.0	1805.0	1826.7
70°	1322.9	1319.3	1322.9	1297.5	1315.7	1359.2	1395.4	1467.9	1573.0	1616.5	1627.4
72.5°	1148.9	1148.9	1156.2	1138.1	1138.1	1185.2	1210.6	1290.3	1388.2	1413.5	1417.1
75°	967.7	978.6	978.6	953.2	960.5	989.5	1022.1	1087.3	1177.9	1196.1	1196.1
77.5°	768.4	808.2	808.2	782.9	793.7	797.4	840.9	873.5	942.3	949.6	920.6
80°	558.2	598.0	630.6	608.9	627.0	605.3	630.6	652.4	721.3	688.6	641.5
82.5°	398.7	427.7	453.1	456.7	438.6	398.7	431.3	434.9	467.6	424.1	398.7
85°	221.1	246.5	279.1	264.6	235.6	210.2	221.1	228.3	224.7	213.8	199.3
87.5°	58.0	61.6	68.9	50.7	47.1	39.9	54.4	54.4	61.6	65.2	61.6
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°	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3
2.5°	11739.5	11899.0	12243.3	12504.2	12823.2	13211.0	13667.7	14128.0	14624.5	14780.4	14997.8
5°	9713.4	10112.1	10278.9	10753.7	11224.8	11931.6	12685.5	13559.0	14515.8	14976.1	15418.3
7.5°	8299.9	8513.8	8687.7	9035.7	9601.1	10460.1	11406.0	12497.0	13852.5	14523.0	15171.8
10°	7538.8	7560.5	7774.4	8205.7	8698.6	9456.1	10351.3	11572.8	13084.2	13899.6	14660.8
12.5°	7035.0	6940.8	7172.7	7622.2	8180.3	8879.8	9702.6	10866.0	12529.6	13366.9	14287.5
15°	6592.8	6444.2	6618.2	7078.5	7629.4	8452.1	9336.5	10568.8	12312.2	13287.1	14309.2
17.5°	6603.7	6194.1	6255.7	6643.6	7190.8	8028.1	9100.9	10557.9	12642.0	13765.5	14976.1
20°	7419.2	6763.2	6484.1	6556.6	7085.7	7999.1	9209.7	11065.4	13725.7	15363.9	16657.8
22.5°	8220.2	7825.1	7375.7	7227.1	7517.0	8473.9	9901.9	12265.0	16081.5	18549.8	20887.5
25°	7941.1	8278.2	8165.8	7955.6	8020.8	8814.6	10373.1	13250.9	17911.9	20691.8	22888.2
27.5°	6353.6	6966.1	7089.4	7085.7	7111.1	7763.5	9329.3	12587.6	18140.2	21101.4	23199.9
30°	4465.3	4519.7	4584.9	4711.7	4827.7	5411.3	7299.6	11050.9	18038.7	21286.2	23388.4
32.5°	3222.1	3294.6	3385.2	3559.2	3834.6	4577.6	6386.2	10561.6	18575.2	22051.0	23939.3
35°	2946.7	3030.0	3117.0	3316.3	3577.3	4265.9	6023.8	10358.6	19455.9	23290.5	24928.8
37.5°	2859.7	2953.9	3030.0	3175.0	3385.2	4041.2	5694.0	10220.9	20358.4	24602.6	26255.3
40°	2798.1	2906.8	2968.4	3084.4	3229.4	3834.6	5400.4	10112.1	21231.8	25802.2	27320.9
42.5°	2743.7	2856.0	2935.8	3019.1	3138.7	3649.8	5139.4	10003.4	21989.4	26965.7	28382.8
45°	2678.4	2819.8	2921.3	2986.5	3091.6	3493.9	4940.1	9916.4	22852.0	27998.6	29455.7
47.5°	2624.1	2779.9	2906.8	2982.9	3022.8	3385.2	4780.6	10036.0	23888.5	29078.7	30452.4
50°	2627.7	2776.3	2935.8	3055.4	2950.3	3294.6	4682.8	10510.8	25236.8	30361.8	31238.9
52.5°	2743.7	2924.9	3051.8	3080.8	2848.8	3185.9	4632.0	11340.8	26831.6	31496.2	32032.6
55°	2874.2	3062.6	3200.4	3182.2	2794.4	3048.1	4621.1	12225.2	28578.5	32819.1	33065.6
57.5°	2827.0	3102.5	3312.7	3218.5	2798.1	2914.0	4574.0	12939.2	30039.2	33808.6	34087.7
58°	2812.5	3088.0	3327.2	3211.2	2787.2	2874.2	4563.1	13000.8	30242.2	33877.4	34232.6
60°	2671.2	2961.2	3316.3	3156.9	2725.6	2765.4	4443.5	13200.1	30187.8	33522.3	34319.6
62.5°	2413.9	2653.1	3066.3	2892.3	2537.1	2620.5	4175.3	12953.7	28716.3	31811.5	33047.5
65°	2123.9	2301.5	2577.0	2544.3	2268.9	2471.9	3809.3	11978.7	25769.6	29035.2	30336.4
67.5°	1906.4	2051.4	2225.4	2178.3	2040.5	2272.5	3414.2	10329.6	22464.2	25700.8	27339.0
70°	1685.4	1797.7	1884.7	1852.1	1808.6	2076.8	3062.6	8383.3	19296.4	22533.0	24120.5
72.5°	1460.6	1565.7	1638.2	1591.1	1565.7	1870.2	2776.3	6505.8	15240.7	18589.6	20630.2
75°	1221.4	1326.5	1377.3	1322.9	1308.4	1649.1	2352.2	4860.3	11435.0	14331.0	16092.4
77.5°	946.0	1058.3	1123.6	1105.4	1112.7	1355.5	1899.2	3327.2	8176.7	9767.8	11623.5
80°	663.3	786.5	830.0	811.9	862.6	1033.0	1341.0	2113.0	5639.6	6339.1	7647.5
82.5°	409.6	525.5	532.8	550.9	587.2	764.8	1011.2	1286.7	3541.1	3660.7	4610.3
85°	206.6	250.1	268.2	297.2	329.8	467.6	576.3	797.4	2279.8	1725.2	2577.0
87.5°	68.9	72.5	87.0	108.7	134.1	192.1	246.5	326.2	565.4	311.7	797.4
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: P458151

CATALOG NUMBER: GALN-SA9C-740-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3	13787.3
2.5°	15436.4	15744.5	15969.2	16175.8	15976.4	15958.3	15762.6	15447.3	15316.8	15316.8
5°	16346.1	17067.4	17650.9	18024.2	17864.8	17480.6	16846.3	16038.1	15603.1	15527.0
7.5°	16596.2	18020.6	19104.3	19488.5	19220.3	18372.2	17158.0	15795.2	15171.8	15034.1
10°	16444.0	18296.1	19887.2	20496.1	20122.8	18839.7	17183.4	15512.5	14744.1	14584.7
12.5°	16284.5	18332.3	20032.2	20912.9	20670.1	19216.7	17368.2	15327.7	14439.7	14211.3
15°	16400.5	18346.8	19854.6	20764.3	20920.1	19669.7	17672.7	15461.8	14378.1	14135.2
17.5°	17132.6	18622.3	19600.9	20336.6	20883.9	20285.9	18538.9	16103.3	14929.0	14628.2
20°	18662.1	19281.9	19745.8	20314.9	21195.6	21543.5	20311.2	17864.8	16476.6	16212.0
22.5°	23091.2	22978.8	22029.2	22018.3	23294.1	24689.5	24606.2	21445.7	19358.0	19140.6
25°	24751.2	24229.2	22855.6	22522.1	23083.9	25236.8	24925.1	22177.8	20249.6	19720.5
27.5°	24102.4	22808.5	21906.0	21829.9	21645.0	23678.3	24428.6	22475.0	20561.3	20046.7
30°	24062.5	22159.7	20869.4	21021.6	21199.2	23141.9	24704.0	23406.5	21358.7	20807.8
32.5°	24160.4	22250.3	20945.5	20974.5	21503.7	23221.7	25008.5	24421.3	22406.2	21855.2
35°	24555.4	22765.0	21431.2	21362.3	22188.7	23743.6	25526.8	26016.1	23837.8	23210.8
37.5°	25193.3	23790.7	22319.2	22301.1	23500.7	24685.9	26171.9	27625.3	25262.2	24588.1
40°	26132.1	24990.4	23899.4	23801.6	25284.0	26219.1	27009.2	29339.7	26918.6	26052.3
42.5°	27266.5	26429.3	25983.5	26371.3	27795.7	27940.7	28314.0	30923.5	28328.5	27320.9
45°	28317.6	28277.7	28897.5	29926.8	30756.8	29887.0	29676.7	31985.5	29423.0	28328.5
47.5°	29568.0	30648.1	32518.3	34026.1	34895.9	32152.2	30840.2	32677.8	30220.4	29212.8
50°	30836.6	33486.0	36472.5	38574.7	38759.5	34613.2	31641.2	33330.2	30945.3	29897.8
52.5°	32170.3	35751.3	39727.3	42170.1	41811.3	36755.2	32416.8	33772.3	31691.9	30771.3
55°	33330.2	37139.4	41546.7	43891.7	43366.2	38060.0	33254.0	34250.8	32757.5	31981.9
57.5°	33978.9	37255.4	41093.7	43141.5	42572.4	37806.3	33638.2	34606.0	33438.9	32830.0
58°	34073.2	37099.6	40691.4	42706.5	42126.6	37592.5	33634.6	34591.5	33482.4	32869.9
60°	33989.8	36088.3	39194.5	40988.6	40379.7	36251.4	33496.9	34319.6	32931.5	32413.2
62.5°	33217.8	34334.1	36610.3	37915.1	37741.1	34156.5	32931.5	33293.9	31253.4	30753.2
65°	32203.0	31942.0	33301.2	34225.4	34355.9	32587.2	32369.7	31075.8	29100.5	28393.7
67.5°	30970.7	29230.9	29227.3	29752.9	29970.3	30173.3	31199.0	28665.5	25998.0	25251.3
70°	28879.4	25052.0	23899.4	24519.2	24338.0	26052.3	29107.7	25280.3	22257.6	21384.1
72.5°	25044.7	19879.9	18035.1	18832.5	18375.8	20430.9	25468.8	20804.2	18404.8	17332.0
75°	20300.4	14871.0	12968.2	13700.3	13417.6	15498.0	21192.0	15110.2	13200.1	12790.6
77.5°	15762.6	10775.4	9670.0	9568.5	9778.7	11532.9	15545.1	10202.7	8702.2	8423.2
80°	10126.6	7712.8	7778.0	7647.5	7756.3	7270.6	9438.0	6509.5	5893.3	5668.6
82.5°	6665.3	5375.0	6408.0	5915.1	5617.9	4889.3	6190.5	4262.3	3617.2	3493.9
85°	4541.4	3957.9	3602.7	2754.6	3243.9	3765.8	4642.9	2294.3	1819.5	1649.1
87.5°	2051.4	1377.3	1011.2	623.4	985.8	1138.1	2254.4	268.2	206.6	213.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)