

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: P652124

Luminaire Tested: **GALN-SA9A-840-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652124
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-SA9A-840-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 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: 25966.7 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 274
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

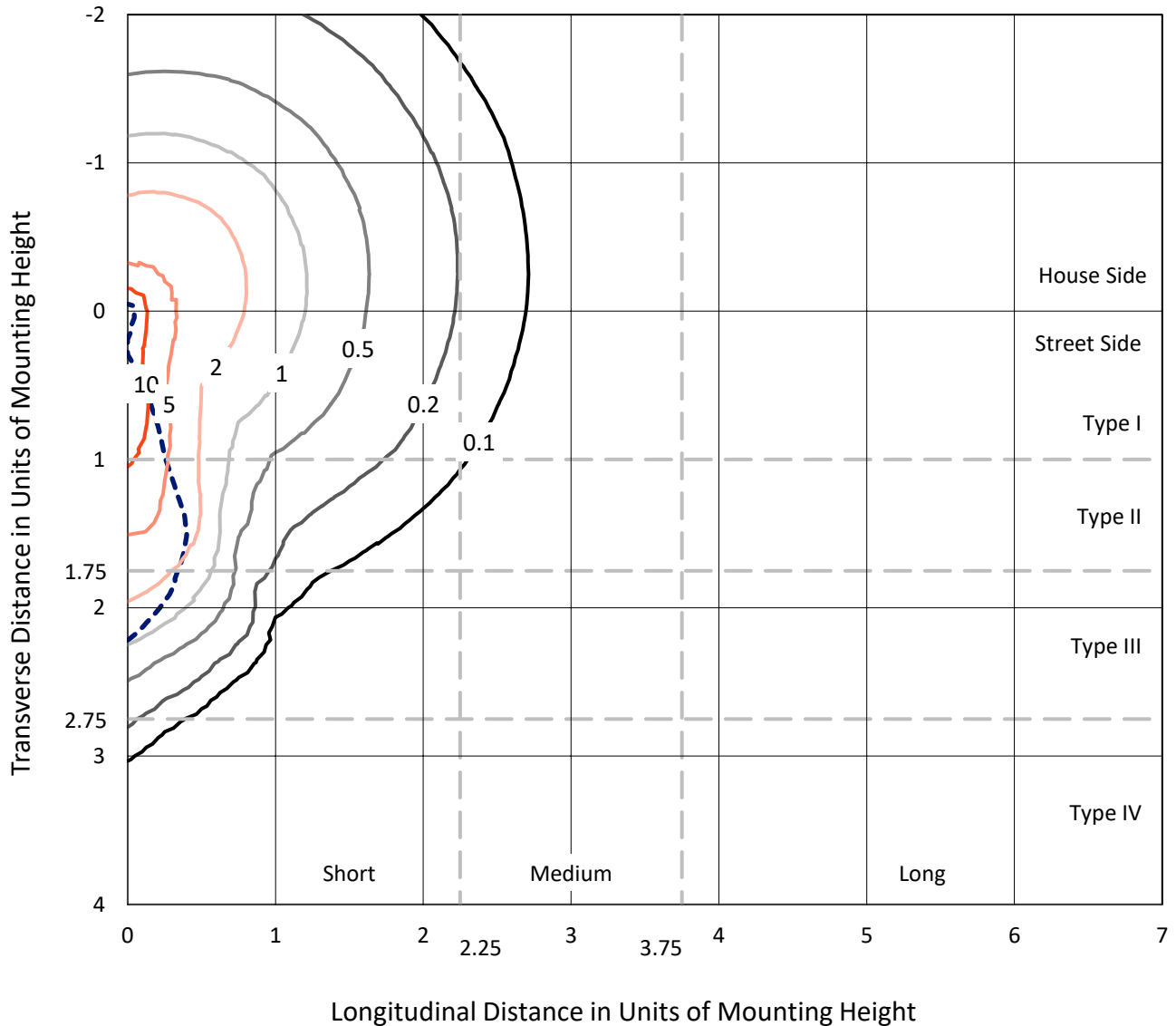




REPORT NUMBER: P652124
 CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

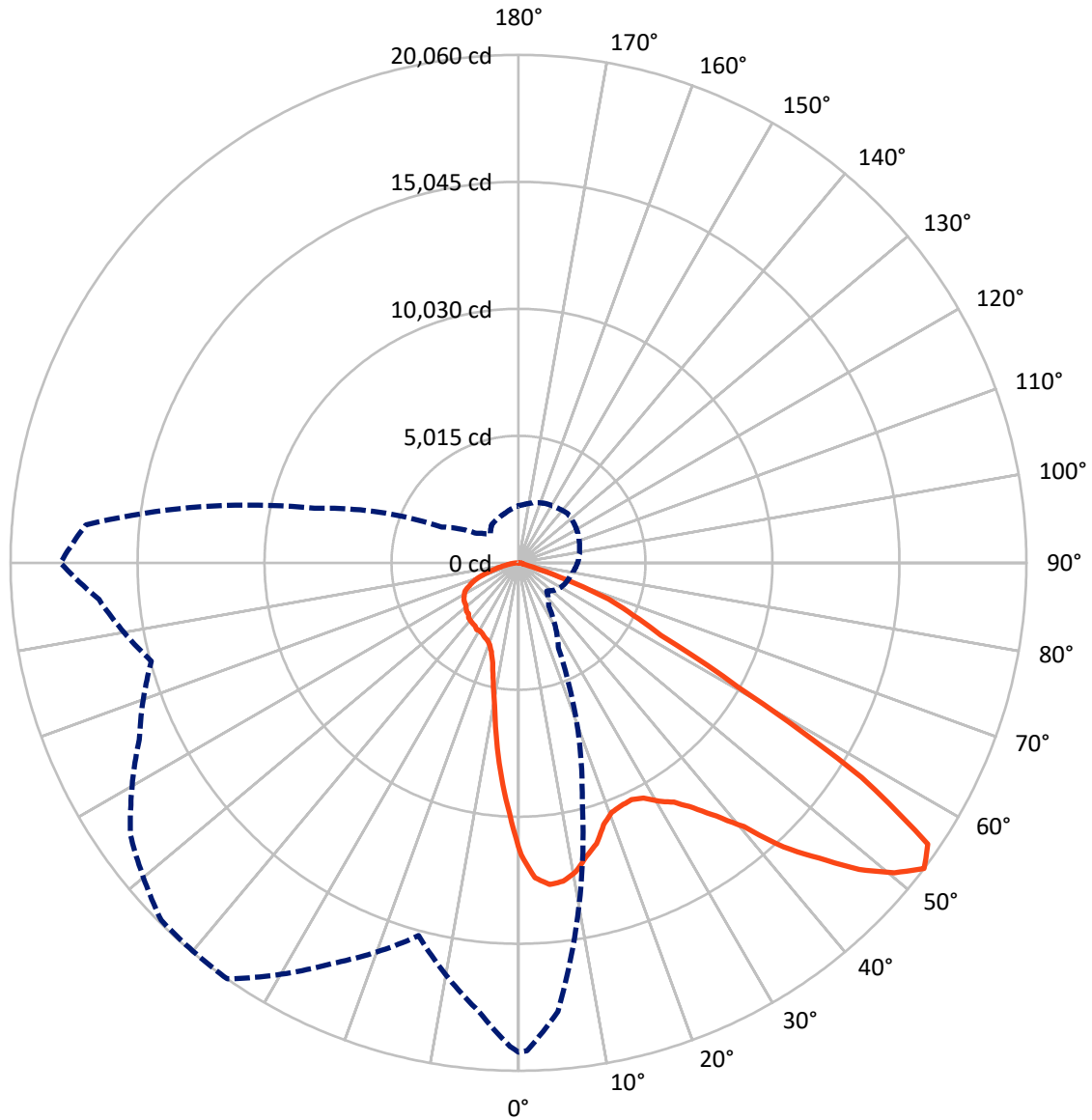
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
 Type III - Short - N/A

REPORT NUMBER: P652124
CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P652124
 CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

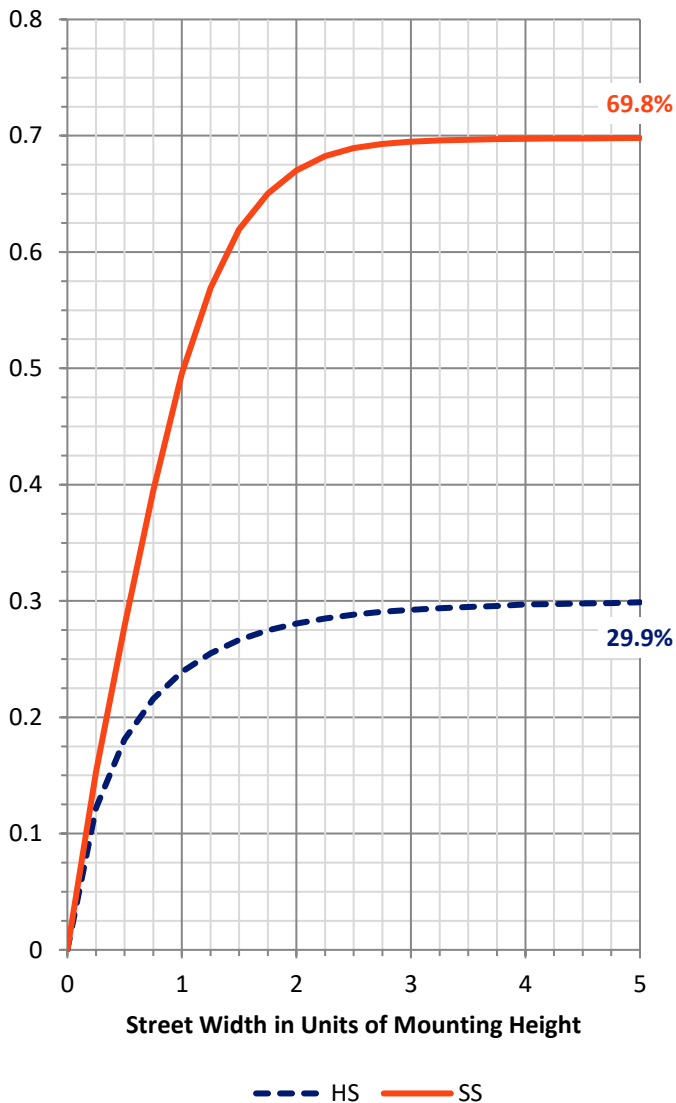
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7827.9	0.0	7827.9
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	18138.8	0.0	18138.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	25966.7	0.0	25966.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	879.2	3.4
10°-20°	1906.0	7.3
20°-30°	2879.8	11.1
30°-40°	4161.4	16.0
40°-50°	5538.0	21.3
50°-60°	6194.4	23.9
60°-70°	3491.1	13.4
70°-80°	778.2	3.0
80°-90°	138.6	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°	25966.7	100.0
0°-180°	25966.7	100.0



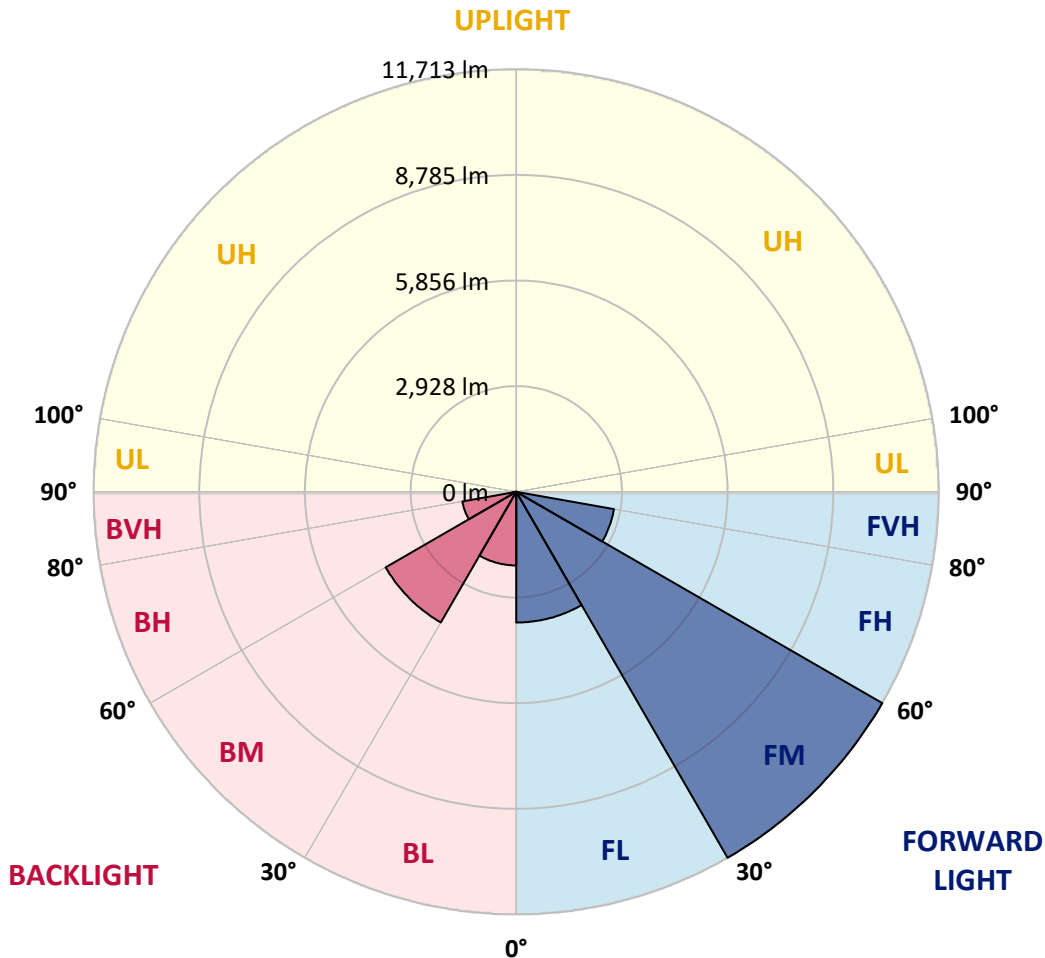
REPORT NUMBER: P652124
 CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3623.6	14.0			
FM (30°-60°)	11713.0	45.1			
FH (60°-80°)	2752.1	10.6			G2/5000
FVH (80°-90°)	50.2	0.2			G1/100
BL (0°-30°)	2041.3	7.9	B3/2500		
BM (30°-60°)	4180.9	16.1	B3/5000		
BH (60°-80°)	1517.3	5.8	B3/2500		G3/2500
BVH (80°-90°)	88.4	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





REPORT NUMBER: P652124

CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2
2.5°	11716.1	11904.4	11701.1	11339.8	11083.9	10850.5	10605.9	10556.9	10237.1	10180.6	9947.3
5°	11050.0	11008.6	10760.2	10285.9	9762.8	9288.6	8938.6	8599.9	8370.3	8103.0	8084.3
7.5°	10240.8	9999.9	9856.9	9138.1	8490.7	7745.5	7425.6	6910.0	6748.2	6507.3	6383.1
10°	9518.2	9341.3	9006.4	8287.5	7384.2	6891.2	6548.7	6270.2	6082.0	5833.6	5521.2
12.5°	9160.7	9089.1	8712.8	7598.8	6928.8	6401.9	6161.0	5890.0	5570.1	5171.2	5016.9
15°	9224.6	8983.7	8697.7	7467.0	6541.1	6033.1	5649.2	5310.5	4900.3	4520.1	4298.0
17.5°	9702.6	9518.2	8946.1	7549.8	6394.4	5660.4	4964.2	4463.6	4094.8	3752.3	3598.1
20°	10643.5	10376.3	9732.7	7655.2	6078.2	5141.1	4343.2	3726.0	3330.8	3150.1	3097.5
22.5°	11686.0	11527.9	10500.5	7892.3	5826.1	4659.4	3684.6	3067.4	2920.5	2871.7	2969.5
25°	12954.3	12544.1	11693.5	8280.0	5630.3	4249.2	3127.6	2785.1	2709.8	2758.7	2871.7
27.5°	13917.9	13808.7	12529.0	8645.1	5363.1	3756.1	2815.2	2589.4	2612.0	2660.8	2766.2
30°	15062.0	14508.8	13338.3	8897.2	5122.3	3417.4	2596.9	2536.7	2559.2	2642.1	2694.7
32.5°	15750.8	15543.7	13846.3	9277.3	4843.7	3123.8	2427.5	2371.1	2404.9	2529.1	2653.4
35°	16627.7	16217.4	14474.9	9375.1	4648.0	3007.2	2307.1	2265.7	2344.7	2431.3	2570.5
37.5°	17651.3	17369.1	15344.3	9307.4	4542.7	2886.7	2205.4	2186.7	2243.1	2363.5	2525.4
40°	18257.3	18170.7	15799.6	9348.8	4377.1	2781.3	2088.8	2111.4	2228.1	2322.2	2480.2
42.5°	18840.7	18276.1	16473.3	9333.8	4271.7	2638.3	2100.1	2073.7	2164.1	2273.2	2423.8
45°	18968.6	18407.8	16631.4	9228.4	4143.8	2499.0	2013.5	2024.8	2134.0	2269.4	2367.3
47.5°	18885.8	18471.8	16925.0	9198.3	4023.3	2401.2	1885.6	2021.1	2085.0	2194.2	2333.4
50°	18829.4	18806.8	17173.4	9341.3	3861.5	2246.9	1731.3	1972.1	2036.1	2145.2	2295.8
52.5°	19326.2	19277.2	17794.4	9717.7	3733.5	2081.3	1573.2	1847.9	2002.3	2107.6	2254.4
55°	19627.3	19412.7	18859.5	10180.6	3519.0	1863.0	1464.0	1693.6	1919.4	2013.5	2164.1
57.5°	17655.1	17508.4	17060.4	9503.1	3157.7	1577.0	1328.5	1535.6	1806.6	1953.3	2107.6
60°	14689.4	14459.8	13311.9	8076.7	2329.7	1226.9	1245.8	1411.4	1776.4	1832.9	2013.5
62.5°	13850.1	13281.8	11719.9	6499.8	1787.7	1053.8	1117.8	1298.4	1618.3	1712.4	1893.1
65°	10989.8	10568.3	8385.4	4693.2	1196.8	914.6	1020.0	1170.5	1396.3	1580.7	1746.3
67.5°	6879.9	6477.2	4475.0	2220.5	835.5	782.8	910.8	1068.8	1253.3	1418.9	1603.3
70°	3594.3	3153.9	2066.3	801.6	575.8	639.8	760.3	910.8	1091.4	1226.9	1370.0
72.5°	1339.9	1087.7	673.7	346.2	399.0	489.3	617.2	726.4	854.4	1020.0	1098.9
75°	207.0	176.9	173.2	210.8	271.0	353.8	440.3	549.5	662.4	767.7	820.5
77.5°	97.9	94.1	105.4	139.3	180.6	252.1	319.9	425.3	515.6	583.4	613.5
80°	64.0	60.2	67.8	94.1	135.5	188.2	255.9	327.4	410.2	466.7	459.2
82.5°	37.7	41.4	41.4	64.0	94.1	135.5	184.4	248.4	304.9	353.8	323.7
85°	22.6	18.8	18.8	37.7	64.0	109.2	154.3	105.4	109.2	109.2	124.2
87.5°	7.6	7.6	7.6	3.8	7.6	7.6	11.3	18.8	22.6	26.3	33.9
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: P652124
 CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2
2.5°	9939.7	10056.3	10015.0	9868.2	9981.1	9999.9	9924.6	10184.3	10233.3	10154.2	10176.8
5°	8057.9	8088.0	8155.8	8298.7	8400.4	8520.8	8520.8	8528.3	8426.7	8682.7	8607.4
7.5°	6277.7	6296.6	6375.5	6680.4	6766.9	6996.5	7094.4	7026.6	6823.5	6736.8	6808.4
10°	5419.6	5310.5	5284.1	5321.8	5517.5	5615.3	5698.1	5675.6	5641.7	5573.9	5498.6
12.5°	4847.5	4768.5	4704.6	4614.2	4625.5	4719.6	4783.5	4730.9	4745.9	4761.0	4783.5
15°	4226.5	4170.1	4136.2	4000.7	3985.7	4049.7	4072.2	4102.3	4158.8	4162.5	4136.2
17.5°	3567.9	3519.0	3594.3	3669.5	3616.8	3620.6	3662.0	3688.4	3673.3	3605.5	3571.6
20°	3116.2	3169.0	3244.2	3315.7	3372.2	3406.0	3421.1	3379.7	3330.8	3191.5	3187.8
22.5°	2984.5	3052.3	3116.2	3225.4	3278.1	3364.7	3285.6	3191.5	3123.8	3056.0	2977.1
25°	2886.7	2943.2	3071.1	3112.5	3214.1	3285.6	3229.2	3135.1	3018.4	2920.5	2860.3
27.5°	2815.2	2879.2	2962.0	3074.9	3153.9	3195.3	3138.9	3101.2	2980.8	2864.1	2777.6
30°	2770.0	2837.8	2988.3	3082.4	3150.1	3184.0	3086.1	3041.0	2954.4	2856.6	2781.3
32.5°	2739.9	2800.1	2928.1	3048.5	3093.7	3093.7	3108.8	3056.0	2935.6	2770.0	2706.0
35°	2642.1	2724.8	2830.2	2969.5	3052.3	3101.2	3025.9	2965.7	2886.7	2717.4	2600.6
37.5°	2585.6	2642.1	2777.6	2909.3	2980.8	3033.5	3003.4	2898.0	2792.6	2653.4	2559.2
40°	2525.4	2615.7	2736.1	2860.3	2939.4	2992.1	2969.5	2845.3	2717.4	2585.6	2521.7
42.5°	2484.0	2544.2	2668.4	2807.7	2901.8	3003.4	2935.6	2781.3	2690.9	2510.3	2438.8
45°	2450.1	2548.0	2679.7	2736.1	2834.0	2939.4	2818.9	2724.8	2619.5	2487.8	2427.5
47.5°	2408.7	2499.0	2585.6	2736.1	2781.3	2830.2	2807.7	2657.1	2566.8	2423.8	2382.4
50°	2393.7	2427.5	2585.6	2668.4	2732.4	2781.3	2721.1	2608.2	2521.7	2374.8	2284.5
52.5°	2333.4	2397.4	2499.0	2608.2	2687.2	2747.5	2649.6	2578.1	2461.4	2307.1	2250.6
55°	2258.2	2295.8	2476.5	2589.4	2630.7	2672.2	2634.5	2517.9	2397.4	2239.3	2182.9
57.5°	2160.3	2246.9	2393.7	2551.8	2604.4	2627.0	2566.8	2472.7	2322.2	2182.9	2092.6
60°	2058.7	2149.0	2310.9	2438.8	2491.5	2574.3	2484.0	2427.5	2254.4	2100.1	2002.3
62.5°	1957.1	2058.7	2179.1	2341.0	2386.2	2420.0	2397.4	2318.4	2179.1	2006.0	1885.6
65°	1836.7	1911.9	2062.5	2145.2	2175.3	2254.4	2175.3	2145.2	2021.1	1855.5	1753.8
67.5°	1656.0	1720.0	1851.7	1930.8	1953.3	1987.2	1983.4	1949.5	1810.3	1697.4	1607.1
70°	1449.0	1505.5	1588.2	1682.3	1693.6	1735.1	1697.4	1689.8	1599.5	1445.3	1396.3
72.5°	1162.9	1215.7	1324.8	1366.2	1370.0	1385.0	1366.2	1339.9	1317.3	1155.4	1106.5
75°	892.0	922.1	974.8	1012.4	1012.4	1031.2	1020.0	993.6	933.3	831.7	782.8
77.5°	621.0	651.1	718.9	741.4	737.6	745.2	711.3	685.0	594.7	541.9	500.6
80°	451.6	470.5	504.3	519.4	523.1	534.5	493.0	470.5	417.7	357.5	338.8
82.5°	327.4	338.8	342.5	361.3	361.3	342.5	331.2	308.6	271.0	233.4	218.3
85°	135.5	139.3	143.1	165.6	169.4	203.3	188.2	176.9	154.3	131.7	120.4
87.5°	33.9	37.7	48.9	41.4	48.9	48.9	52.7	60.2	60.2	48.9	48.9
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: P652124

CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2
2.5°	10263.4	10293.5	10677.3	10726.3	10914.5	11106.4	11494.1	11772.6	11998.4	12145.2	12186.6
5°	8686.4	8878.4	9055.2	9341.3	9600.9	9969.8	10395.1	10922.0	11584.4	11923.1	12058.6
7.5°	6800.8	7026.6	7282.6	7561.1	7941.2	8603.6	9171.9	9781.7	10628.5	10978.5	11509.2
10°	5551.4	5803.5	6142.2	6356.8	6815.9	7448.2	8110.6	8814.4	9623.6	10127.9	10741.3
12.5°	4907.7	5114.8	5427.1	5878.8	6221.2	6631.5	7124.5	8012.7	9171.9	9649.9	10071.4
15°	4196.4	4426.0	4787.3	5287.9	5698.1	6187.4	6740.6	7707.8	8942.4	9680.0	10037.6
17.5°	3609.3	3774.9	4155.0	4587.8	5058.3	5592.7	6386.9	7692.8	9183.2	10127.9	10711.2
20°	3202.9	3225.4	3432.5	3801.2	4441.1	5137.3	6168.6	7617.5	9954.7	10899.4	11637.1
22.5°	2946.9	2924.3	2928.1	3240.5	3688.4	4689.5	5826.1	7873.4	10831.7	12126.4	12623.2
25°	2818.9	2758.7	2721.1	2788.8	3195.3	4158.8	5566.4	8212.2	11776.4	13138.8	13748.5
27.5°	2751.2	2645.8	2570.5	2581.9	2879.2	3891.6	5404.5	8359.0	12713.5	14550.1	14764.7
30°	2724.8	2593.1	2484.0	2446.4	2642.1	3519.0	5058.3	8611.2	13552.8	15325.5	15509.9
32.5°	2630.7	2468.9	2363.5	2329.7	2408.7	3191.5	4809.9	8791.8	14294.2	16168.5	16104.5
35°	2521.7	2386.2	2254.4	2190.4	2246.9	2980.8	4610.4	8705.3	15167.4	16823.4	16789.5
37.5°	2510.3	2333.4	2224.3	2118.9	2115.1	2721.1	4339.5	8788.0	15724.3	17997.6	17534.7
40°	2412.5	2299.5	2156.6	2070.0	2021.1	2589.4	4076.0	8592.3	16541.1	18471.8	18016.4
42.5°	2416.3	2246.9	2122.7	2021.1	1972.1	2397.4	3895.3	8539.7	16827.1	19243.3	18242.2
45°	2356.1	2190.4	2085.0	1964.6	1938.3	2250.6	3722.2	8295.0	17331.4	19281.0	17960.0
47.5°	2295.8	2149.0	2036.1	1893.1	1832.9	2198.0	3586.7	8091.8	17068.0	18927.2	17568.6
50°	2254.4	2085.0	1979.6	1878.0	1708.7	2107.6	3409.8	8042.8	16699.1	18449.3	16842.2
52.5°	2182.9	2032.4	1923.2	1844.1	1573.2	2024.8	3342.0	8328.8	17150.8	18091.7	16631.4
55°	2115.1	1960.9	1821.6	1667.3	1460.3	1806.6	3153.9	8596.1	17809.4	18915.9	17587.4
57.5°	2043.6	1896.9	1746.3	1561.9	1351.2	1580.7	2958.2	8645.1	16574.9	17482.0	16695.4
60°	1949.5	1761.4	1648.4	1407.6	1234.5	1309.8	2344.7	7621.3	12856.5	14599.1	14625.4
62.5°	1844.1	1641.0	1543.1	1260.8	1114.0	1129.0	1911.9	6405.6	10429.0	12085.0	12803.8
65°	1705.0	1509.2	1392.5	1166.7	1027.4	978.5	1400.1	4693.2	7922.4	9804.2	10620.9
67.5°	1524.2	1339.9	1193.0	1016.2	918.3	839.3	956.0	2642.1	4678.1	6582.6	6830.9
70°	1332.3	1174.3	1020.0	873.1	764.0	707.5	700.0	1170.5	2235.5	3541.5	4030.8
72.5°	1050.1	937.1	812.9	703.8	632.3	549.5	500.6	485.5	756.5	1441.5	1991.0
75°	752.7	658.7	587.1	515.6	462.9	417.7	380.1	346.2	316.1	361.3	496.8
77.5°	474.2	440.3	383.9	365.1	335.0	323.7	308.6	289.8	267.2	252.1	252.1
80°	319.9	297.3	278.5	274.8	263.5	259.7	263.5	244.6	222.0	203.3	210.8
82.5°	214.5	210.8	207.0	203.3	207.0	210.8	218.3	214.5	195.7	184.4	188.2
85°	128.0	135.5	143.1	150.5	165.6	146.8	120.4	101.6	90.3	82.8	79.1
87.5°	48.9	67.8	60.2	56.4	60.2	56.4	52.7	48.9	41.4	37.7	37.7
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: P652124

CATALOG NUMBER: GALN-SA9A-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2	11524.2
2.5°	12461.3	12536.6	12600.6	12585.6	12453.8	12276.9	12205.4	11840.4	11765.1	11716.1
5°	12630.7	13067.3	13161.4	13104.9	12762.4	12329.6	11908.1	11373.7	11061.3	11050.0
7.5°	12318.3	12856.5	13025.8	13153.8	12698.4	11945.7	11223.1	10421.4	10225.7	10240.8
10°	11524.2	12382.3	12800.0	12931.8	12408.6	11757.5	10756.4	9943.5	9525.7	9518.2
12.5°	11083.9	11757.5	11874.2	12058.6	11904.4	11245.7	10485.4	9574.6	9168.2	9160.7
15°	10692.4	11136.5	11170.4	11430.1	11512.9	11068.8	10556.9	9585.9	9258.5	9224.6
17.5°	11034.9	10726.3	10598.4	10632.2	10876.8	11038.7	10970.9	10225.7	9890.7	9702.6
20°	11264.5	10575.7	10188.1	10225.7	10515.5	11106.4	11588.1	11151.6	10620.9	10643.5
22.5°	11877.9	10598.4	9992.4	9951.0	10410.2	11460.2	12284.4	12322.1	11810.2	11686.0
25°	12796.3	10858.1	9932.2	9920.9	10361.2	11840.4	13097.4	13707.1	13183.9	12954.3
27.5°	13534.0	11264.5	10120.3	10158.0	10515.5	12148.9	13789.9	14599.1	14200.1	13917.9
30°	14181.3	11686.0	10383.8	10210.7	10929.6	12310.8	14087.2	15615.3	15295.4	15062.0
32.5°	14448.5	12284.4	10801.6	10515.5	11272.0	12506.5	14704.5	16601.3	16326.6	15750.8
35°	14900.2	12619.4	11027.4	11004.8	11870.5	12977.0	14994.3	17252.4	17139.5	16627.7
37.5°	15261.5	12958.1	11829.0	11580.7	12690.9	13767.3	15460.9	18151.9	17892.2	17651.3
40°	15540.0	13564.1	12578.0	12905.4	13699.6	14486.1	15890.0	18208.4	18957.3	18257.3
42.5°	15284.0	14106.0	13808.7	14591.5	15344.3	15306.6	15938.9	18645.0	19205.7	18840.7
45°	15220.1	15024.4	15754.5	16465.9	16638.9	15987.8	15588.9	18163.2	19130.5	18968.6
47.5°	15065.8	15927.6	17199.7	18358.9	18095.5	16443.2	15171.1	18076.6	19175.6	18885.8
50°	15013.0	16123.3	18268.6	19397.7	19239.6	16838.4	14975.4	17519.6	18855.7	18829.4
52.5°	15009.3	16526.1	18712.7	19962.2	20060.0	17463.2	15242.6	17801.9	19104.1	19326.2
55°	15178.6	16398.1	18656.2	19649.8	19612.2	17184.7	15272.7	17990.1	19408.9	19627.3
57.5°	14316.8	14689.4	15396.9	16183.5	15980.3	14234.0	13639.3	16631.4	17813.2	17655.1
60°	12363.5	11196.7	10398.9	10361.2	9966.0	9420.3	11162.8	14843.7	14843.7	14689.4
62.5°	10828.0	7350.3	6315.3	6021.8	6304.1	6932.6	10767.7	14437.2	14027.0	13850.1
65°	9469.2	5611.6	4565.3	4482.4	4971.7	5920.1	9736.5	12299.5	11576.9	10989.8
67.5°	6093.3	4109.9	3394.8	3248.0	3838.9	4347.0	6480.9	7564.9	7109.5	6879.9
70°	3929.2	2675.9	1889.3	1772.7	2002.3	2679.7	4140.0	4411.0	3748.6	3594.3
72.5°	1859.2	1155.4	662.4	545.7	613.5	1023.7	1637.2	1761.4	1464.0	1339.9
75°	590.9	425.3	271.0	233.4	222.0	263.5	376.3	289.8	210.8	207.0
77.5°	263.5	252.1	214.5	180.6	158.1	131.7	109.2	90.3	94.1	97.9
80°	218.3	199.5	176.9	158.1	131.7	101.6	79.1	60.2	60.2	64.0
82.5°	191.9	173.2	154.3	131.7	112.9	82.8	60.2	41.4	37.7	37.7
85°	82.8	97.9	105.4	112.9	90.3	67.8	41.4	26.3	22.6	22.6
87.5°	33.9	30.1	26.3	22.6	18.8	18.8	15.1	11.3	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)