

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: P648603

Luminaire Tested: **GALN-SA8B-835-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-835-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19889.8 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 325
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

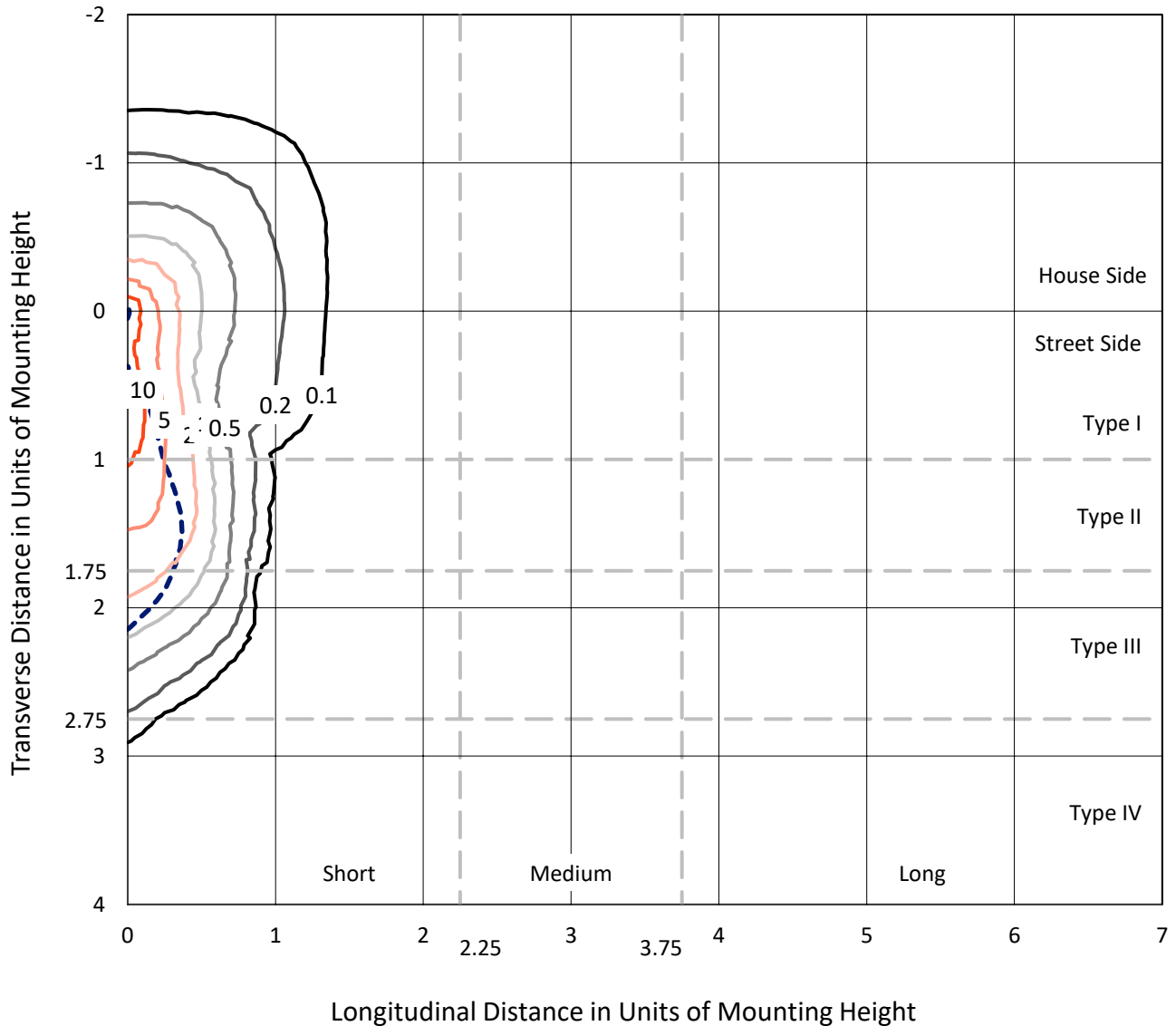




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Iso-Footcandle Lines of Horizontal Illumination

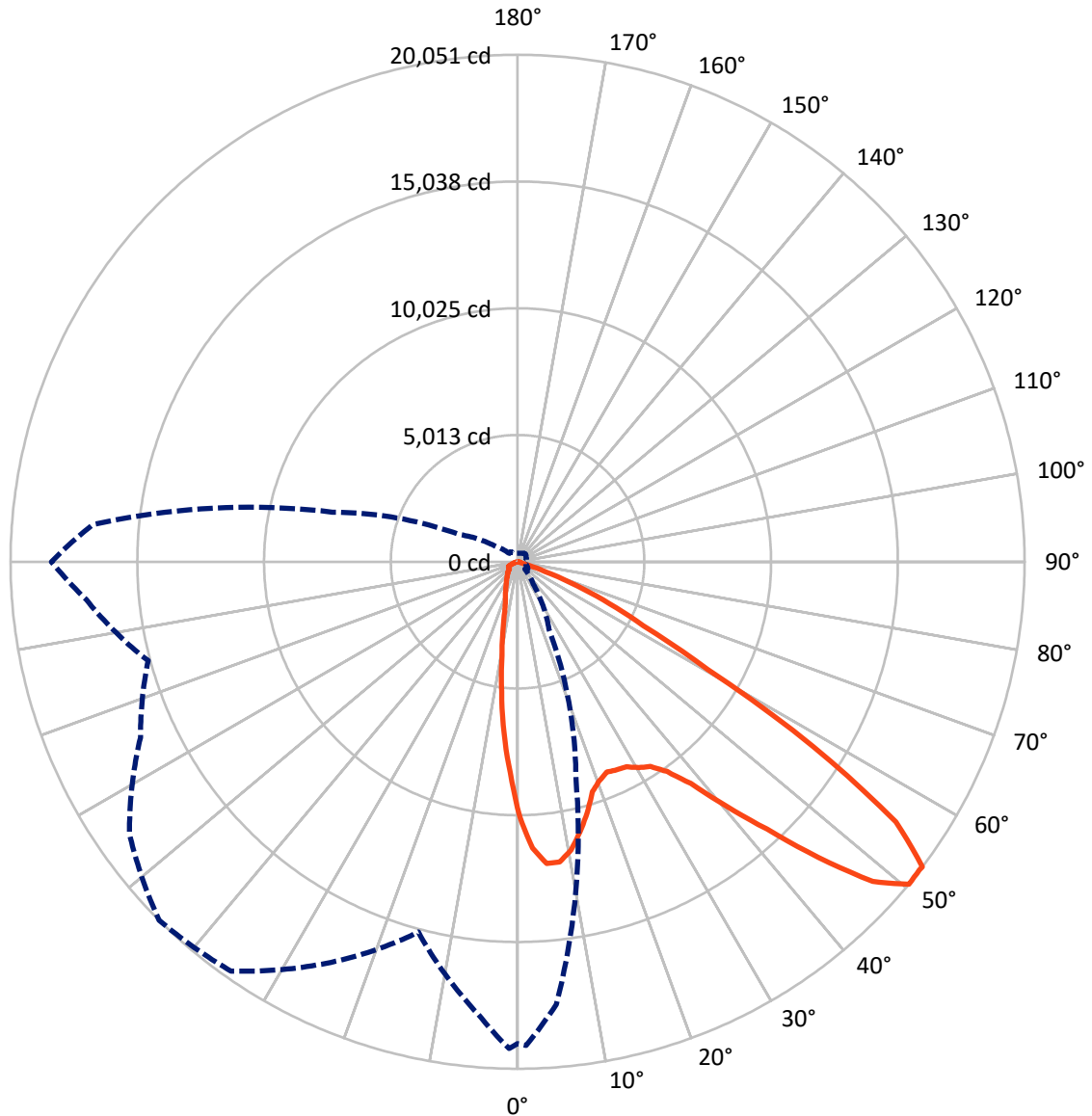
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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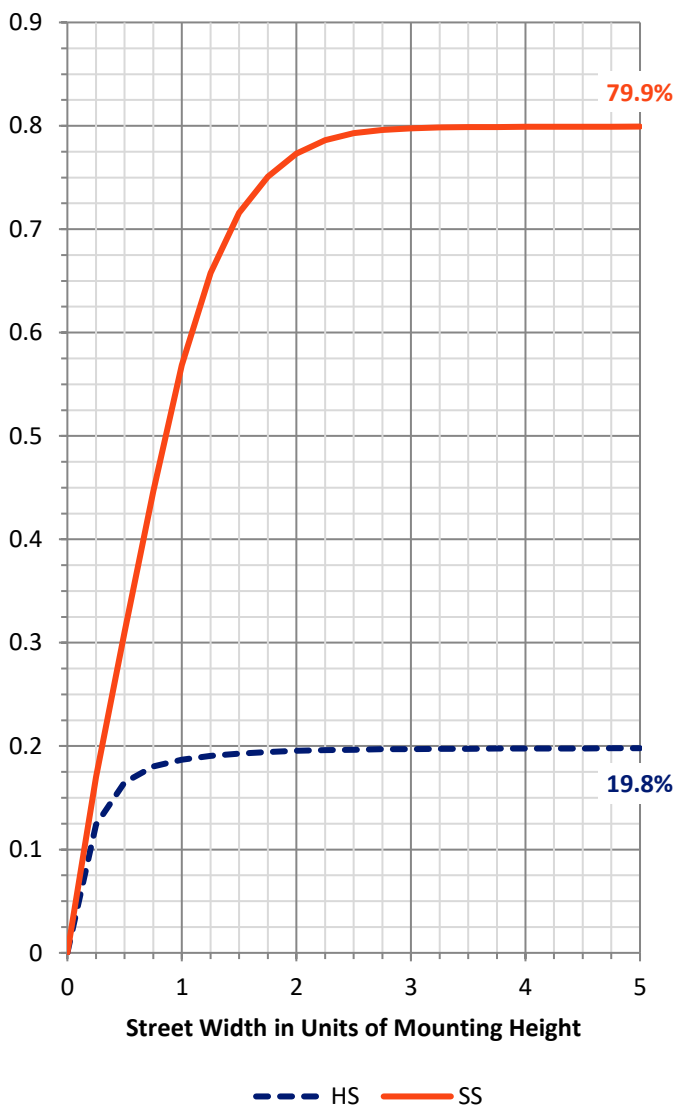
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3983.9	0.0	3983.9
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	15905.8	0.0	15905.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	19889.8	0.0	19889.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.2	3.7
10°-20°	1461.2	7.3
20°-30°	2195.2	11.0
30°-40°	3294.9	16.6
40°-50°	4630.7	23.3
50°-60°	4995.0	25.1
60°-70°	2319.2	11.7
70°-80°	218.2	1.1
80°-90°	40.2	0.2
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°	19889.8	100.0
0°-180°	19889.8	100.0

Coefficient of Utilization

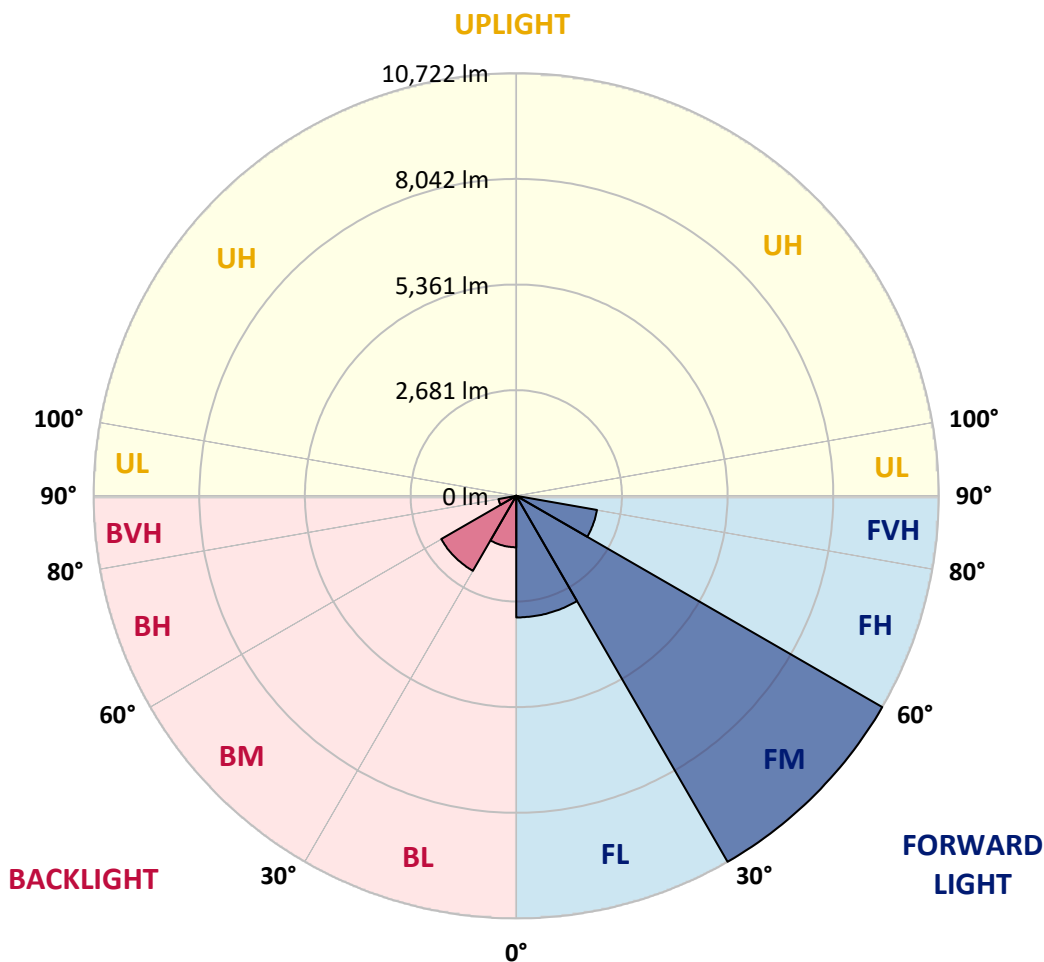


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3085.7	15.5			
FM (30°-60°)	10722.1	53.9			
FH (60°-80°)	2079.9	10.5			G2/5000
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	1305.8	6.6	B3/2500		
BM (30°-60°)	2198.5	11.1	B2/2500		
BH (60°-80°)	457.5	2.3	B1/500		G1/500
BVH (80°-90°)	22.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6
2.5°	10485.2	10323.4	10118.2	9948.5	9696.0	9186.9	9048.7	8883.0	8744.9	8559.4	8298.9
5°	9534.1	9482.8	9388.2	8748.9	8287.1	7671.5	7166.4	6953.3	6673.1	6444.2	6278.5
7.5°	8808.0	8602.8	8302.9	7659.7	6921.7	6262.7	5702.4	5374.8	5003.8	4877.5	4652.7
10°	8030.6	8078.0	7636.0	6732.3	5840.5	5307.7	4960.5	4644.8	4309.3	4088.3	3768.7
12.5°	7782.0	7628.1	7288.7	6171.9	5410.3	4913.1	4490.8	4100.2	3745.0	3389.8	3082.0
15°	7943.8	7707.0	7233.5	6053.5	5078.9	4459.3	3930.5	3401.7	3074.1	2620.3	2300.7
17.5°	8523.9	8334.5	7699.2	6179.8	4909.2	4025.2	3239.9	2695.3	2194.1	1783.7	1621.9
20°	9490.7	9222.4	8425.2	6341.6	4656.6	3500.3	2628.2	1957.3	1483.8	1310.2	1219.4
22.5°	10437.9	10291.8	9285.5	6653.4	4431.6	3034.7	1973.2	1318.0	1108.9	1077.3	1018.1
25°	12241.3	11803.3	10599.6	7217.7	4258.0	2596.7	1487.7	1061.5	939.2	915.6	923.4
27.5°	13314.7	12947.7	11815.1	7592.6	4064.6	2261.2	1258.8	974.8	891.8	840.6	820.8
30°	14344.6	13918.5	12418.8	7813.6	3650.3	1906.1	1116.8	935.3	915.6	840.6	816.9
32.5°	15137.8	14719.5	13291.0	8145.1	3480.6	1677.2	919.5	730.1	678.8	670.9	741.9
35°	16353.3	15907.3	14036.8	8326.6	3350.4	1558.8	797.2	651.1	591.9	568.2	572.2
37.5°	17485.9	17182.0	14727.4	8397.6	3212.3	1523.2	714.3	584.0	532.8	516.9	513.0
40°	18432.9	17754.2	15382.5	8472.6	3153.1	1456.1	663.0	532.8	497.2	473.6	473.6
42.5°	18867.0	18176.4	16116.5	8429.2	3137.2	1349.7	663.0	489.3	461.7	438.0	434.1
45°	18772.3	18492.1	16444.0	8409.5	3137.2	1243.1	603.8	477.5	438.0	406.5	398.5
47.5°	19017.0	18650.0	16854.5	8492.3	3074.1	1168.1	509.0	501.2	414.4	374.9	367.0
50°	19060.4	19131.4	17568.7	8922.4	2936.0	1073.4	398.5	493.3	398.5	339.4	331.5
52°	19344.6	18902.6	17785.8	9151.4	2790.0	1002.3	335.4	422.3	382.8	315.7	307.8
52.5°	18953.8	19241.9	17837.1	9234.2	2805.8	955.0	323.6	414.4	374.9	315.7	296.0
55°	18515.8	18792.1	17627.9	9411.8	2572.9	749.8	252.6	299.9	339.4	276.2	264.4
57.5°	16092.8	16373.0	15319.3	8618.6	2095.5	528.8	209.1	225.0	299.9	256.5	244.7
60°	14305.2	14103.9	12856.9	7190.1	1487.7	296.0	165.8	173.7	327.5	236.8	232.9
62.5°	13073.9	12643.8	10745.7	5552.4	907.7	197.3	130.2	134.2	252.6	221.0	221.0
65°	9672.2	9190.9	7138.8	3358.3	445.9	138.1	98.7	106.6	157.9	189.4	189.4
67.5°	5520.8	5335.4	3449.0	1515.3	185.5	86.8	75.0	82.8	122.3	153.9	146.0
70°	2537.5	2277.0	1325.9	319.6	86.8	59.2	59.2	67.1	98.7	114.5	106.6
72.5°	741.9	702.4	323.6	51.3	35.5	35.5	39.5	51.3	75.0	86.8	78.9
75°	55.3	35.5	23.6	15.8	15.8	23.6	31.6	51.3	75.0	82.8	67.1
77.5°	3.9	7.9	3.9	3.9	11.8	23.6	35.5	63.1	98.7	102.6	75.0
80°	3.9	3.9	0.0	3.9	11.8	23.6	39.5	71.0	110.5	118.4	63.1
82.5°	0.0	0.0	0.0	3.9	15.8	31.6	47.4	75.0	102.6	126.3	67.1
85°	0.0	0.0	0.0	3.9	23.6	43.4	55.3	19.7	11.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6
2.5°	8484.4	8381.9	8342.4	8377.9	8366.0	8354.2	8571.3	8523.9	8516.0	8587.0	8571.3
5°	6369.2	6187.7	6684.9	6483.7	6692.8	6819.1	6842.8	6854.6	7000.6	6846.7	7048.0
7.5°	4538.2	4585.6	4581.6	4715.8	4956.5	5169.6	5295.9	5197.2	5189.3	5169.6	5082.8
10°	3626.6	3543.7	3528.0	3496.4	3571.3	3752.9	3906.8	3784.5	3697.6	3816.0	3780.5
12.5°	2963.7	2849.2	2786.1	2659.8	2663.7	2786.1	2786.1	2786.1	2872.9	2939.9	2991.3
15°	2273.0	2178.3	2178.3	2052.1	2024.4	2028.4	2091.5	2099.4	2237.5	2277.0	2296.7
17.5°	1590.4	1539.1	1598.3	1649.5	1618.0	1625.8	1649.5	1657.5	1677.2	1661.4	1700.8
20°	1223.4	1215.5	1231.3	1322.0	1389.0	1428.5	1400.9	1361.5	1337.8	1282.6	1282.6
22.5°	1037.9	1053.7	1081.2	1156.3	1243.1	1266.7	1235.2	1144.4	1073.4	1065.5	1069.4
25°	923.4	939.2	982.6	1030.0	1077.3	1116.8	1085.2	1018.1	978.7	943.1	943.1
27.5°	852.4	860.3	883.9	919.5	958.9	990.5	978.7	943.1	899.7	883.9	848.5
30°	797.2	809.0	836.6	844.5	880.0	895.8	876.1	868.2	840.6	820.8	809.0
32.5°	769.5	765.5	785.3	793.2	797.2	809.0	785.3	797.2	793.2	761.6	749.8
35°	580.1	611.7	663.0	706.3	718.2	734.0	730.1	714.3	670.9	635.3	591.9
37.5°	520.9	540.7	568.2	603.8	651.1	670.9	663.0	623.5	572.2	548.5	540.7
40°	481.5	493.3	516.9	540.7	588.0	623.5	595.9	560.4	520.9	501.2	489.3
42.5°	445.9	449.9	461.7	485.4	520.9	576.1	528.8	481.5	465.7	453.8	445.9
45°	406.5	406.5	422.3	434.1	473.6	524.8	477.5	434.1	426.2	418.3	414.4
47.5°	374.9	378.8	386.7	402.5	434.1	469.6	438.0	402.5	382.8	378.8	371.0
50°	335.4	339.4	355.2	371.0	410.4	430.2	410.4	371.0	351.3	339.4	339.4
52°	303.9	315.7	331.5	363.1	390.7	422.3	398.5	355.2	331.5	319.6	311.8
52.5°	299.9	307.8	323.6	359.1	390.7	418.3	394.6	351.3	323.6	315.7	307.8
55°	268.3	280.2	307.8	351.3	386.7	418.3	386.7	347.3	307.8	288.1	280.2
57.5°	256.5	264.4	299.9	355.2	382.8	418.3	386.7	347.3	307.8	272.3	264.4
60°	244.7	260.4	299.9	343.3	378.8	422.3	390.7	343.3	299.9	256.5	256.5
62.5°	232.9	244.7	296.0	335.4	363.1	406.5	374.9	335.4	288.1	244.7	240.7
65°	201.2	221.0	260.4	280.2	311.8	351.3	319.6	292.1	252.6	217.0	213.1
67.5°	153.9	161.8	193.4	217.0	236.8	272.3	256.5	221.0	193.4	165.8	165.8
70°	106.6	114.5	138.1	149.9	169.7	189.4	177.6	149.9	130.2	114.5	110.5
72.5°	75.0	78.9	86.8	94.7	102.6	110.5	106.6	86.8	75.0	71.0	67.1
75°	59.2	67.1	71.0	67.1	63.1	59.2	59.2	51.3	43.4	39.5	39.5
77.5°	59.2	63.1	59.2	51.3	43.4	39.5	35.5	31.6	23.6	19.7	23.6
80°	51.3	51.3	51.3	43.4	39.5	35.5	31.6	27.6	23.6	19.7	19.7
82.5°	55.3	55.3	51.3	43.4	43.4	35.5	35.5	31.6	27.6	19.7	19.7
85°	0.0	0.0	0.0	7.9	19.7	35.5	35.5	31.6	27.6	23.6	23.6
87.5°	0.0	0.0	0.0	0.0	3.9	7.9	15.8	19.7	23.6	23.6	23.6
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°	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6
2.5°	8713.3	8863.2	9147.4	9431.5	9605.1	9810.4	10181.3	10378.7	10635.2	10761.4	11010.1
5°	7020.4	7375.5	7501.8	7825.4	8172.7	8520.0	9072.5	9680.2	10185.3	10532.5	10982.4
7.5°	5122.2	5205.1	5694.4	5911.5	6479.7	7111.1	7864.8	8630.5	9269.8	9838.0	10181.3
10°	3839.7	4143.6	4451.4	4865.7	5323.5	5974.6	6696.8	7541.3	8370.0	8938.3	9372.4
12.5°	3086.0	3326.7	3737.1	4183.0	4747.3	5177.5	5903.6	6740.2	7813.6	8370.0	8942.2
15°	2336.2	2644.0	3109.7	3571.3	4167.2	4621.0	5355.1	6408.7	7789.9	8555.4	9048.7
17.5°	1732.4	1941.5	2359.9	2876.8	3484.5	4123.8	5114.3	6373.2	8054.3	8965.9	9474.9
20°	1325.9	1397.0	1661.4	2123.1	2782.1	3618.7	4723.7	6527.1	8835.7	9964.3	10481.2
22.5°	1073.4	1105.0	1207.5	1527.2	2166.5	3176.7	4538.2	6633.7	9715.7	11160.0	11850.6
25°	935.3	927.4	994.5	1132.6	1692.9	2762.3	4301.4	7036.2	10793.0	12564.9	13184.4
27.5°	852.4	852.4	883.9	982.6	1404.9	2494.0	4151.5	7324.3	11878.2	13800.1	14135.5
30°	809.0	816.9	907.7	939.2	1168.1	2174.4	3902.9	7616.2	12916.1	14589.3	15051.0
32.5°	749.8	718.2	698.5	777.4	982.6	1886.3	3654.3	7738.6	13756.6	15556.1	15950.7
35°	576.1	560.4	584.0	643.2	844.5	1641.6	3378.0	7876.7	14723.5	16676.9	16755.8
37.5°	520.9	516.9	532.8	584.0	710.3	1428.5	3180.7	7841.2	15461.4	17604.2	17391.1
40°	481.5	481.5	493.3	536.7	635.3	1278.6	2975.5	7809.6	16175.7	18646.0	18022.5
42.5°	449.9	449.9	469.6	497.2	603.8	1179.9	2821.5	7766.2	16775.5	19285.4	18393.5
45°	406.5	418.3	449.9	477.5	611.7	1112.9	2707.1	7600.5	16980.7	19277.5	18215.9
47.5°	374.9	390.7	422.3	461.7	552.5	1093.1	2628.2	7454.5	16909.7	18803.9	17659.5
50°	339.4	359.1	402.5	469.6	469.6	1053.7	2545.3	7584.7	16858.4	18436.9	17126.7
52°	315.7	331.5	386.7	457.7	410.4	970.8	2494.0	7837.3	17067.5	18389.5	16889.9
52.5°	311.8	323.6	374.9	449.9	390.7	955.0	2458.5	7896.5	17134.6	18271.1	17051.8
55°	276.2	292.1	343.3	351.3	319.6	785.3	2344.1	8030.6	16803.1	18038.3	16897.8
57.5°	260.4	268.3	303.9	288.1	276.2	591.9	2016.5	7821.5	14924.7	16021.7	15721.9
60°	240.7	248.6	284.2	225.0	232.9	414.4	1515.3	6791.5	11984.8	13350.2	13890.8
62.5°	232.9	228.9	268.3	181.5	197.3	299.9	1069.4	5520.8	9234.2	10990.3	11925.6
65°	205.2	201.2	193.4	153.9	169.7	232.9	639.3	3602.9	6507.4	8314.8	8827.8
67.5°	157.9	165.8	142.0	122.3	142.0	181.5	355.2	1614.0	3413.5	4988.0	5402.4
70°	110.5	118.4	114.5	106.6	126.3	149.9	205.2	552.5	1412.8	2620.3	2888.6
72.5°	67.1	82.8	86.8	90.7	110.5	130.2	146.0	177.6	374.9	927.4	1152.3
75°	39.5	55.3	67.1	78.9	90.7	110.5	122.3	126.3	130.2	173.7	280.2
77.5°	27.6	39.5	59.2	75.0	90.7	110.5	130.2	138.1	130.2	122.3	130.2
80°	23.6	39.5	55.3	71.0	94.7	114.5	130.2	130.2	126.3	110.5	118.4
82.5°	23.6	39.5	59.2	75.0	90.7	110.5	126.3	130.2	118.4	110.5	114.5
85°	27.6	43.4	63.1	78.9	98.7	90.7	82.8	67.1	63.1	51.3	55.3
87.5°	27.6	39.5	39.5	43.4	47.4	47.4	47.4	43.4	35.5	31.6	31.6
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: P648603

CATALOG NUMBER: GALN-SA8B-835-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6	10086.6
2.5°	11021.9	11337.6	11325.7	11333.6	11286.2	10966.6	10812.8	10422.0	10532.5	10485.2
5°	11444.1	11755.9	12024.2	11992.7	11629.6	11195.5	10552.3	9944.6	9778.8	9534.1
7.5°	11021.9	11771.7	12020.3	11984.8	11448.1	10891.7	9865.6	9257.9	8969.8	8808.0
10°	10351.0	11219.2	11527.0	11590.1	11227.1	10382.6	9439.5	8464.7	8310.8	8030.6
12.5°	9968.2	10599.6	10789.0	10958.7	10832.5	10201.1	9115.8	8180.5	7967.5	7782.0
15°	9656.5	10031.4	10110.3	10303.7	10378.7	10039.2	9285.5	8488.4	7963.5	7943.8
17.5°	9944.6	9790.6	9502.6	9561.8	9798.5	10043.2	9723.5	9096.1	8587.0	8523.9
20°	10422.0	9743.3	9092.2	9238.1	9435.5	10185.3	10386.5	9944.6	9652.5	9490.7
22.5°	10970.6	9826.2	8961.9	9033.0	9407.9	10504.9	11459.9	11215.2	10670.6	10437.9
25°	11984.8	10055.1	9064.6	9111.9	9624.9	10950.9	12430.7	12612.3	12288.6	12241.3
27.5°	12975.2	10647.0	9289.5	9182.9	9735.4	11384.9	13018.7	13993.4	13425.2	13314.7
30°	13480.4	11128.5	9624.9	9443.4	10193.2	11649.3	13373.9	14893.1	14395.9	14344.6
32.5°	14253.9	11566.5	9885.4	9652.5	10449.7	11976.8	14036.8	15875.8	15394.3	15137.8
35°	14577.4	12043.9	10457.6	10185.3	11183.7	12434.7	14376.2	16751.8	16601.9	16353.3
37.5°	15200.9	12557.0	11132.4	11116.6	12071.6	13030.5	14987.9	17943.6	17916.0	17485.9
40°	15252.3	13117.4	12197.9	12695.1	13444.9	14068.4	15524.5	18275.1	18725.0	18432.9
42.5°	15331.2	14100.0	14040.8	14451.2	15094.4	14960.2	15544.3	18354.0	19040.7	18867.0
45°	15366.7	15082.5	15915.3	16672.9	16941.2	16128.3	15358.8	18204.0	19206.4	18772.3
47.5°	15082.5	15927.1	17430.6	18894.7	18973.6	16846.6	15279.9	18050.2	19305.1	19017.0
50°	15122.0	16455.8	18740.7	20050.9	19762.8	17481.9	15157.5	17955.4	19253.7	19060.4
52°	15027.3	16467.7	18926.2	20027.3	19826.0	17130.7	14948.4	17592.4	19206.4	19344.6
52.5°	15133.9	16396.6	18732.9	20043.0	19782.6	17304.3	14920.8	17793.7	19234.0	18953.8
55°	14766.9	15552.2	17600.3	18156.7	18117.2	15706.1	14072.3	17126.7	18511.8	18515.8
57.5°	13346.2	13480.4	13804.0	13792.2	13610.7	12347.8	12036.0	15749.5	16503.2	16092.8
60°	11759.8	9869.6	8997.5	8642.3	8441.1	8235.8	10647.0	14407.7	14478.8	14305.2
62.5°	10161.6	6842.8	5682.6	5584.0	5631.3	6381.1	10291.8	13875.0	13448.8	13073.9
65°	8200.3	4988.0	4127.7	3997.5	4459.3	5268.3	8330.6	10639.1	9984.0	9672.2
67.5°	5149.9	3638.4	2790.0	2545.3	3101.8	3626.6	5473.5	6684.9	5951.0	5520.8
70°	3054.4	2032.4	1262.8	1132.6	1274.6	1933.7	3066.2	3334.6	2758.4	2537.5
72.5°	1203.6	745.8	351.3	299.9	311.8	678.8	1128.6	1101.0	832.6	741.9
75°	323.6	225.0	122.3	98.7	82.8	126.3	181.5	118.4	43.4	55.3
77.5°	149.9	134.2	106.6	82.8	63.1	47.4	23.6	7.9	7.9	3.9
80°	130.2	114.5	98.7	82.8	63.1	39.5	19.7	3.9	3.9	3.9
82.5°	122.3	106.6	90.7	75.0	59.2	39.5	19.7	3.9	0.0	0.0
85°	51.3	67.1	75.0	71.0	63.1	39.5	19.7	3.9	0.0	0.0
87.5°	27.6	23.6	19.7	15.8	11.8	7.9	7.9	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

(END OF REPORT)