

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: P648329

Luminaire Tested: **GALN-SA3B-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648329
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-SA3B-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 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: 9905.7 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 121
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

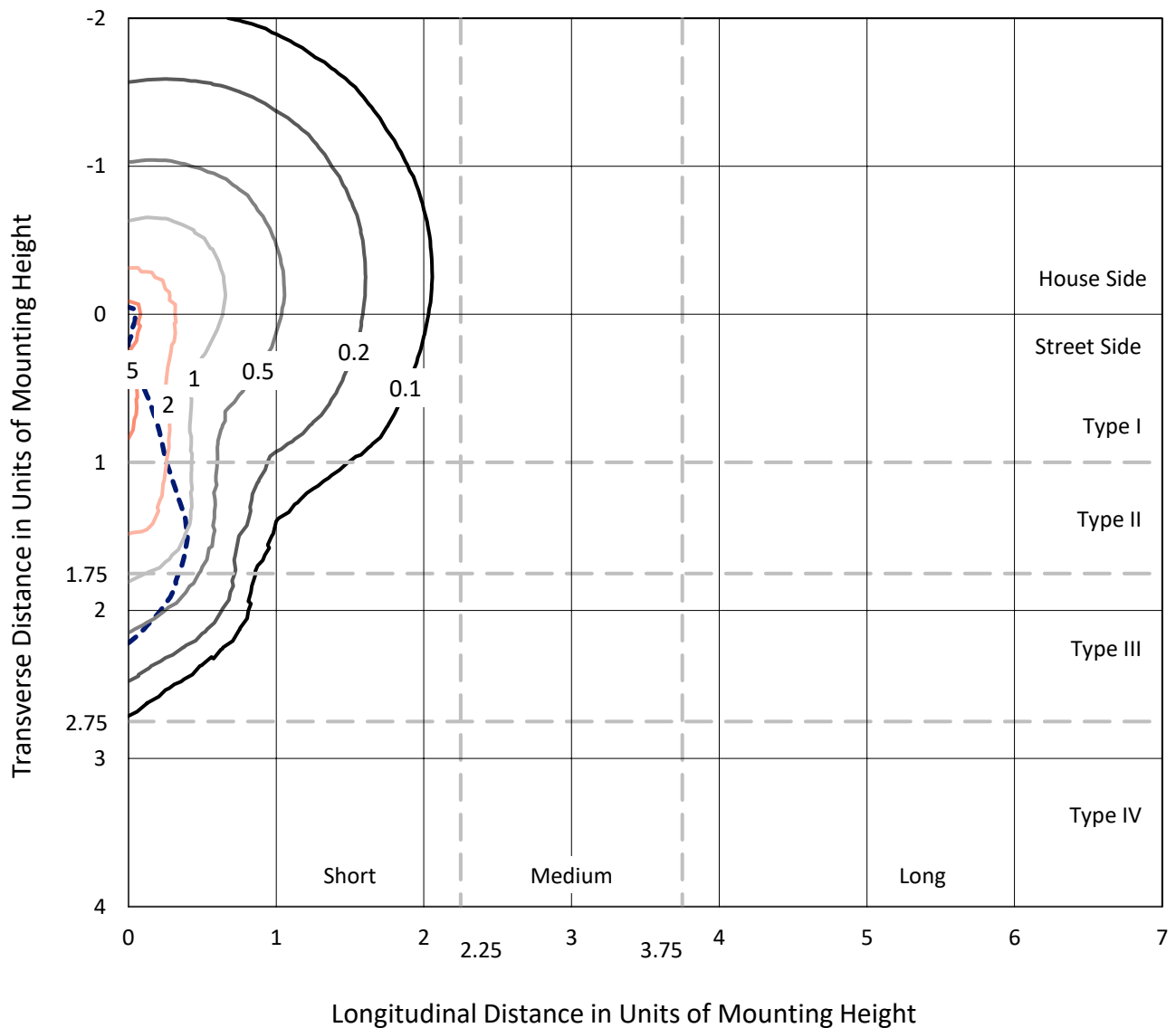




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Iso-Footcandle Lines of Horizontal Illumination

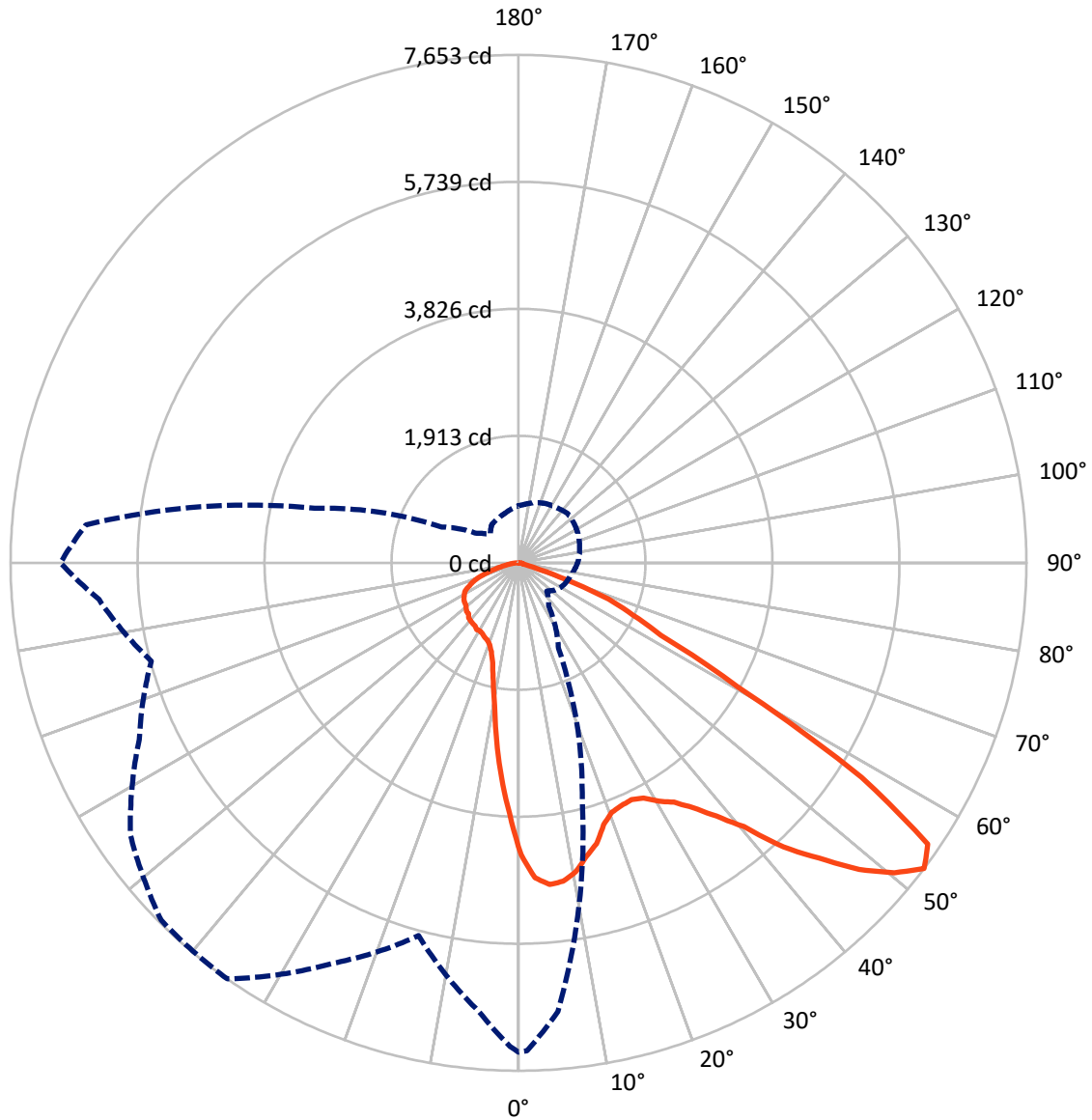
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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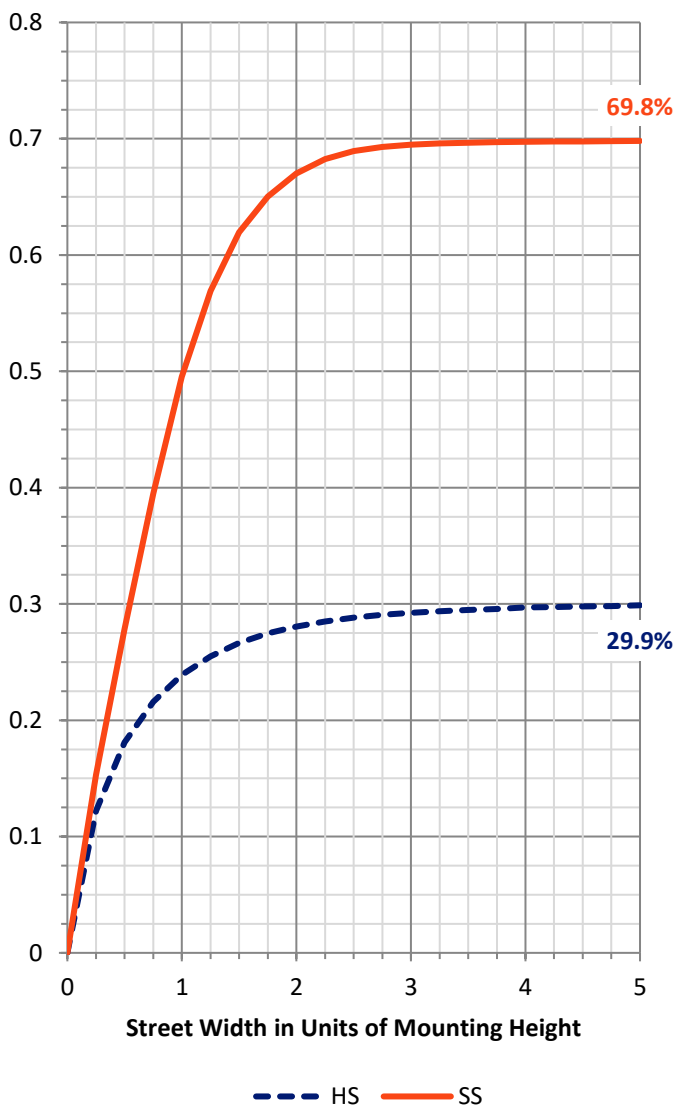
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2986.2	0.0	2986.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	6919.6	0.0	6919.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	9905.7	0.0	9905.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.4	3.4
10°-20°	727.1	7.3
20°-30°	1098.6	11.1
30°-40°	1587.5	16.0
40°-50°	2112.6	21.3
50°-60°	2363.0	23.9
60°-70°	1331.8	13.4
70°-80°	296.9	3.0
80°-90°	52.9	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°	9905.7	100.0
0°-180°	9905.7	100.0

Coefficient of Utilization

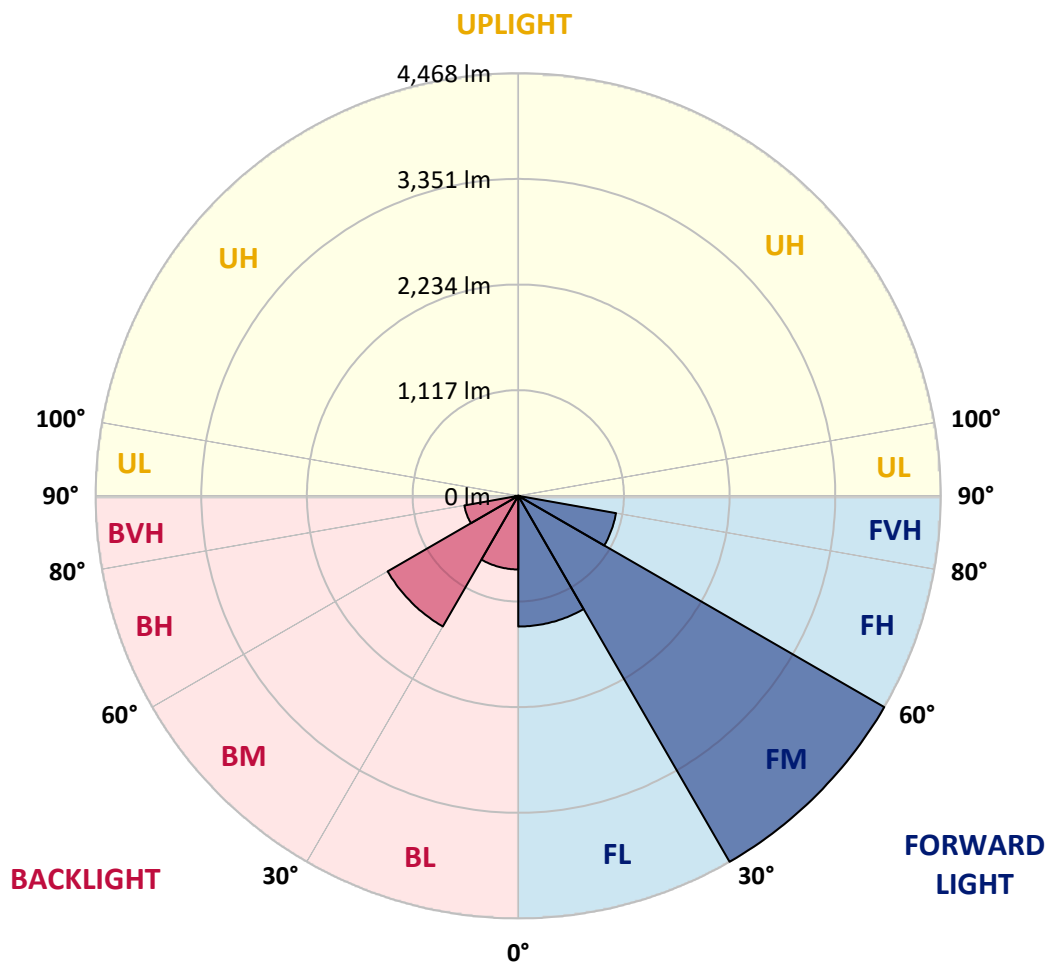


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.3	14.0			
FM (30°-60°)	4468.2	45.1			
FH (60°-80°)	1049.9	10.6			G1/1800
FVH (80°-90°)	19.1	0.2			G1/100
BL (0°-30°)	778.7	7.9	B2/1000		
BM (30°-60°)	1594.9	16.1	B2/2500		
BH (60°-80°)	578.8	5.8	B2/1000		G2/1000
BVH (80°-90°)	33.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2
2.5°	4469.4	4541.2	4463.7	4325.8	4228.3	4139.3	4045.9	4027.2	3905.2	3883.7	3794.7
5°	4215.4	4199.5	4104.8	3923.8	3724.3	3543.4	3409.9	3280.7	3193.1	3091.1	3083.9
7.5°	3906.6	3814.8	3760.2	3486.0	3239.0	2954.7	2832.7	2636.0	2574.3	2482.4	2435.0
10°	3631.0	3563.5	3435.7	3161.5	2816.9	2628.8	2498.2	2391.9	2320.2	2225.4	2106.2
12.5°	3494.6	3467.3	3323.8	2898.7	2643.2	2442.2	2350.3	2246.9	2124.9	1972.7	1913.8
15°	3519.0	3427.1	3318.0	2848.5	2495.3	2301.5	2155.1	2025.9	1869.3	1724.3	1639.6
17.5°	3701.3	3631.0	3412.8	2880.1	2439.3	2159.4	1893.8	1702.8	1562.1	1431.4	1372.6
20°	4060.2	3958.3	3712.8	2920.3	2318.7	1961.2	1656.8	1421.4	1270.7	1201.7	1181.6
22.5°	4457.9	4397.6	4005.7	3010.7	2222.5	1777.4	1405.6	1170.1	1114.1	1095.5	1132.8
25°	4941.8	4785.3	4460.8	3158.6	2147.8	1621.0	1193.1	1062.5	1033.7	1052.4	1095.5
27.5°	5309.4	5267.7	4779.6	3297.9	2045.9	1432.9	1074.0	987.8	996.4	1015.1	1055.2
30°	5745.8	5534.8	5088.2	3394.1	1954.1	1303.6	990.7	967.7	976.3	1007.9	1028.0
32.5°	6008.6	5929.6	5282.0	3539.1	1847.8	1191.6	926.1	904.5	917.4	964.8	1012.2
35°	6343.1	6186.6	5521.9	3576.4	1773.1	1147.2	880.1	864.3	894.5	927.5	980.6
37.5°	6733.6	6625.9	5853.5	3550.6	1732.9	1101.2	841.3	834.1	855.7	901.6	963.4
40°	6964.8	6931.7	6027.2	3566.4	1669.7	1061.0	796.9	805.5	849.9	885.9	946.2
42.5°	7187.3	6971.9	6284.2	3560.6	1629.6	1006.5	801.2	791.1	825.5	867.2	924.6
45°	7236.1	7022.2	6344.5	3520.4	1580.7	953.3	768.1	772.4	814.1	865.8	903.1
47.5°	7204.5	7046.6	6456.5	3508.9	1534.8	916.0	719.3	771.0	795.4	837.0	890.2
50°	7183.0	7174.4	6551.3	3563.5	1473.1	857.2	660.5	752.3	776.7	818.4	875.8
52.5°	7372.5	7353.9	6788.1	3707.0	1424.3	794.0	600.2	704.9	763.8	804.0	860.0
55°	7487.4	7405.5	7194.4	3883.7	1342.4	710.7	558.5	646.1	732.3	768.1	825.5
57.5°	6735.1	6679.1	6508.2	3625.2	1204.6	601.6	506.8	585.8	689.1	745.2	804.0
60°	5603.7	5516.1	5078.2	3081.1	888.7	468.1	475.2	538.4	677.7	699.2	768.1
62.5°	5283.5	5066.7	4470.9	2479.5	682.0	402.0	426.4	495.3	617.4	653.3	722.2
65°	4192.3	4031.5	3198.8	1790.3	456.6	348.9	389.1	446.5	532.7	603.0	666.2
67.5°	2624.5	2470.9	1707.1	847.0	318.8	298.6	347.4	407.8	478.1	541.3	611.6
70°	1371.1	1203.2	788.2	305.8	219.6	244.1	290.0	347.4	416.4	468.1	522.6
72.5°	511.1	414.9	257.0	132.1	152.2	186.7	235.4	277.1	325.9	389.1	419.2
75°	78.9	67.5	66.0	80.4	103.4	135.0	168.0	209.6	252.7	292.9	313.0
77.5°	37.3	35.9	40.2	53.1	68.9	96.2	122.1	162.2	196.7	222.5	234.0
80°	24.4	22.9	25.8	35.9	51.7	71.8	97.6	124.9	156.5	178.1	175.2
82.5°	14.3	15.8	15.8	24.4	35.9	51.7	70.3	94.7	116.3	135.0	123.5
85°	8.6	7.2	7.2	14.3	24.4	41.7	58.9	40.2	41.7	41.7	47.4
87.5°	2.9	2.9	2.9	1.4	2.9	2.9	4.3	7.2	8.6	10.0	12.9
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°	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2
2.5°	3791.8	3836.3	3820.5	3764.5	3807.6	3814.8	3786.0	3885.1	3903.8	3873.6	3882.3
5°	3073.9	3085.4	3111.3	3165.8	3204.6	3250.5	3250.5	3253.4	3214.6	3312.2	3283.5
7.5°	2394.8	2402.0	2432.2	2548.4	2581.5	2669.0	2706.4	2680.5	2603.0	2570.0	2597.2
10°	2067.4	2025.9	2015.8	2030.2	2104.8	2142.1	2173.7	2165.1	2152.2	2126.3	2097.6
12.5°	1849.2	1819.1	1794.6	1760.2	1764.5	1800.4	1824.9	1804.7	1810.5	1816.2	1824.9
15°	1612.4	1590.8	1577.9	1526.2	1520.4	1544.9	1553.5	1565.0	1586.5	1587.9	1577.9
17.5°	1361.1	1342.4	1371.1	1399.8	1379.7	1381.2	1397.0	1407.1	1401.3	1375.4	1362.5
20°	1188.8	1208.9	1237.6	1264.9	1286.4	1299.3	1305.1	1289.3	1270.7	1217.5	1216.1
22.5°	1138.6	1164.4	1188.8	1230.4	1250.5	1283.6	1253.4	1217.5	1191.6	1165.8	1135.7
25°	1101.2	1122.7	1171.5	1187.3	1226.1	1253.4	1231.9	1196.0	1151.5	1114.1	1091.2
27.5°	1074.0	1098.3	1129.9	1173.0	1203.2	1219.0	1197.4	1183.0	1137.1	1092.6	1059.6
30°	1056.7	1082.6	1140.0	1175.8	1201.7	1214.7	1177.3	1160.1	1127.1	1089.7	1061.0
32.5°	1045.2	1068.2	1117.0	1162.9	1180.1	1180.1	1185.9	1165.8	1119.8	1056.7	1032.3
35°	1007.9	1039.5	1079.7	1132.8	1164.4	1183.0	1154.3	1131.4	1101.2	1036.6	992.1
37.5°	986.3	1007.9	1059.6	1109.8	1137.1	1157.2	1145.7	1105.5	1065.3	1012.2	976.3
40°	963.4	997.9	1043.8	1091.2	1121.3	1141.4	1132.8	1085.4	1036.6	986.3	961.9
42.5°	947.6	970.5	1017.9	1071.1	1106.9	1145.7	1119.8	1061.0	1026.5	957.6	930.4
45°	934.7	972.0	1022.2	1043.8	1081.1	1121.3	1075.4	1039.5	999.3	949.0	926.1
47.5°	918.9	953.3	986.3	1043.8	1061.0	1079.7	1071.1	1013.6	979.1	924.6	908.8
50°	913.1	926.1	986.3	1017.9	1042.3	1061.0	1038.0	995.0	961.9	905.9	871.5
52.5°	890.2	914.5	953.3	995.0	1025.1	1048.1	1010.8	983.4	939.0	880.1	858.6
55°	861.5	875.8	944.7	987.8	1003.6	1019.4	1005.0	960.5	914.5	854.3	832.7
57.5°	824.1	857.2	913.1	973.4	993.5	1002.2	979.1	943.3	885.9	832.7	798.3
60°	785.3	819.8	881.6	930.4	950.5	982.0	947.6	926.1	860.0	801.2	763.8
62.5°	746.6	785.3	831.3	893.0	910.2	923.2	914.5	884.4	831.3	765.2	719.3
65°	700.6	729.4	786.8	818.4	829.8	860.0	829.8	818.4	771.0	707.8	669.1
67.5°	631.7	656.2	706.3	736.6	745.2	758.1	756.6	743.7	690.6	647.5	613.1
70°	552.7	574.3	605.9	641.7	646.1	661.9	647.5	644.6	610.2	551.3	532.7
72.5°	443.6	463.8	505.3	521.2	522.6	528.4	521.2	511.1	502.5	440.8	422.1
75°	340.3	351.7	371.8	386.2	386.2	393.4	389.1	379.1	356.0	317.3	298.6
77.5°	236.9	248.4	274.2	282.8	281.4	284.3	271.4	261.3	226.8	206.7	191.0
80°	172.3	179.5	192.4	198.1	199.6	203.9	188.1	179.5	159.3	136.4	129.2
82.5°	124.9	129.2	130.7	137.8	137.8	130.7	126.4	117.8	103.4	89.0	83.3
85°	51.7	53.1	54.6	63.2	64.6	77.5	71.8	67.5	58.9	50.3	46.0
87.5°	12.9	14.3	18.6	15.8	18.6	18.6	20.1	22.9	22.9	18.6	18.6
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°	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2
2.5°	3915.2	3926.7	4073.2	4091.9	4163.6	4236.9	4384.7	4491.0	4577.1	4633.1	4648.9
5°	3313.7	3386.9	3454.4	3563.5	3662.6	3803.3	3965.5	4166.5	4419.2	4548.4	4600.1
7.5°	2594.4	2680.5	2778.2	2884.4	3029.4	3282.1	3498.9	3731.5	4054.5	4188.0	4390.5
10°	2117.7	2213.9	2343.1	2425.0	2600.1	2841.4	3094.0	3362.5	3671.2	3863.6	4097.6
12.5°	1872.2	1951.2	2070.3	2242.6	2373.3	2529.8	2717.9	3056.7	3498.9	3681.2	3842.0
15°	1600.8	1688.5	1826.3	2017.2	2173.7	2360.4	2571.4	2940.4	3411.3	3692.7	3829.1
17.5°	1376.9	1440.0	1585.0	1750.2	1929.6	2133.5	2436.5	2934.7	3503.2	3863.6	4086.1
20°	1221.8	1230.4	1309.4	1450.1	1694.2	1959.8	2353.1	2905.9	3797.6	4157.9	4439.3
22.5°	1124.2	1115.5	1117.0	1236.2	1407.1	1788.9	2222.5	3003.6	4132.0	4626.0	4815.4
25°	1075.4	1052.4	1038.0	1063.9	1219.0	1586.5	2123.4	3132.8	4492.4	5012.1	5244.8
27.5°	1049.5	1009.3	980.6	984.9	1098.3	1484.6	2061.7	3188.8	4849.9	5550.5	5632.4
30°	1039.5	989.2	947.6	933.3	1007.9	1342.4	1929.6	3285.0	5170.1	5846.3	5916.7
32.5°	1003.6	941.9	901.6	888.7	918.9	1217.5	1834.9	3353.9	5452.9	6167.9	6143.5
35°	961.9	910.2	860.0	835.6	857.2	1137.1	1758.8	3320.9	5786.1	6417.8	6404.8
37.5°	957.6	890.2	848.5	808.3	806.9	1038.0	1655.4	3352.4	5998.5	6865.7	6689.1
40°	920.3	877.3	822.7	789.7	771.0	987.8	1554.9	3277.8	6310.0	7046.6	6872.9
42.5°	921.7	857.2	809.8	771.0	752.3	914.5	1486.0	3257.7	6419.2	7340.9	6959.0
45°	898.8	835.6	795.4	749.5	739.4	858.6	1420.0	3164.3	6611.6	7355.3	6851.3
47.5°	875.8	819.8	776.7	722.2	699.2	838.4	1368.3	3086.8	6511.0	7220.4	6702.0
50°	860.0	795.4	755.2	716.4	651.8	804.0	1300.8	3068.2	6370.3	7038.0	6424.9
52.5°	832.7	775.3	733.7	703.5	600.2	772.4	1275.0	3177.3	6542.7	6901.6	6344.5
55°	806.9	748.0	694.9	636.0	557.1	689.1	1203.2	3279.2	6793.9	7216.0	6709.2
57.5°	779.6	723.6	666.2	595.9	515.4	603.0	1128.5	3297.9	6323.0	6669.0	6368.9
60°	743.7	671.9	628.8	537.0	470.9	499.6	894.5	2907.4	4904.5	5569.2	5579.3
62.5°	703.5	626.0	588.7	481.0	425.0	430.7	729.4	2443.6	3978.4	4610.1	4884.4
65°	650.4	575.7	531.2	445.1	392.0	373.3	534.1	1790.3	3022.2	3740.1	4051.6
67.5°	581.5	511.1	455.2	387.7	350.3	320.2	364.6	1007.9	1784.6	2511.1	2605.8
70°	508.2	448.0	389.1	333.1	291.4	269.9	267.1	446.5	852.8	1351.1	1537.7
72.5°	400.6	357.5	310.1	268.5	241.2	209.6	191.0	185.2	288.6	549.9	759.5
75°	287.1	251.3	223.9	196.7	176.6	159.3	145.0	132.1	120.6	137.8	189.5
77.5°	180.9	168.0	146.4	139.3	127.8	123.5	117.8	110.6	101.9	96.2	96.2
80°	122.1	113.5	106.3	104.8	100.5	99.0	100.5	93.3	84.7	77.5	80.4
82.5°	81.8	80.4	78.9	77.5	78.9	80.4	83.3	81.8	74.6	70.3	71.8
85°	48.8	51.7	54.6	57.4	63.2	56.0	46.0	38.8	34.5	31.6	30.1
87.5°	18.6	25.8	22.9	21.5	22.9	21.5	20.1	18.6	15.8	14.3	14.3
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: P648329

CATALOG NUMBER: GALN-SA3B-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2	4396.2
2.5°	4753.7	4782.4	4806.8	4801.1	4750.9	4683.4	4656.1	4516.8	4488.1	4469.4
5°	4818.3	4984.9	5020.8	4999.2	4868.6	4703.5	4542.7	4338.8	4219.7	4215.4
7.5°	4699.2	4904.5	4969.1	5017.9	4844.2	4557.1	4281.4	3975.5	3900.9	3906.6
10°	4396.2	4723.6	4882.9	4933.2	4733.6	4485.3	4103.3	3793.2	3633.8	3631.0
12.5°	4228.3	4485.3	4529.7	4600.1	4541.2	4290.0	4000.0	3652.5	3497.4	3494.6
15°	4079.0	4248.3	4261.2	4360.4	4391.9	4222.5	4027.2	3656.8	3531.9	3519.0
17.5°	4209.6	4091.9	4043.0	4055.9	4149.3	4211.1	4185.1	3900.9	3773.1	3701.3
20°	4297.2	4034.4	3886.6	3900.9	4011.5	4236.9	4420.7	4254.1	4051.6	4060.2
22.5°	4531.2	4043.0	3811.9	3796.1	3971.2	4371.8	4686.3	4700.6	4505.3	4457.9
25°	4881.5	4142.1	3788.9	3784.6	3952.6	4516.8	4996.4	5229.0	5029.4	4941.8
27.5°	5162.9	4297.2	3860.7	3875.1	4011.5	4634.6	5260.5	5569.2	5417.0	5309.4
30°	5409.8	4457.9	3961.2	3895.2	4169.4	4696.3	5374.0	5956.9	5834.8	5745.8
32.5°	5511.8	4686.3	4120.5	4011.5	4300.0	4771.0	5609.4	6333.1	6228.2	6008.6
35°	5684.1	4814.0	4206.7	4198.1	4528.3	4950.4	5720.0	6581.4	6538.4	6343.1
37.5°	5821.9	4943.2	4512.5	4417.8	4841.3	5251.9	5898.0	6924.5	6825.5	6733.6
40°	5928.2	5174.4	4798.2	4923.1	5226.1	5526.2	6061.7	6946.1	7231.8	6964.8
42.5°	5830.5	5381.2	5267.7	5566.3	5853.5	5839.1	6080.3	7112.6	7326.5	7187.3
45°	5806.1	5731.5	6010.0	6281.4	6347.4	6099.0	5946.8	6928.8	7297.9	7236.1
47.5°	5747.2	6076.0	6561.3	7003.5	6903.0	6272.8	5787.5	6895.9	7315.1	7204.5
50°	5727.2	6150.7	6969.1	7399.8	7339.5	6423.5	5712.8	6683.4	7193.0	7183.0
52.5°	5725.7	6304.3	7138.5	7615.1	7652.5	6661.8	5814.7	6791.0	7287.8	7372.5
55°	5790.4	6255.5	7116.9	7496.0	7481.6	6555.6	5826.2	6862.8	7404.1	7487.4
57.5°	5461.5	5603.7	5873.6	6173.6	6096.1	5429.9	5203.1	6344.5	6795.3	6735.1
60°	4716.4	4271.3	3966.9	3952.6	3801.9	3593.7	4258.4	5662.6	5662.6	5603.7
62.5°	4130.6	2804.0	2409.1	2297.2	2404.8	2644.7	4107.6	5507.5	5351.0	5283.5
65°	3612.3	2140.7	1741.5	1710.0	1896.6	2258.4	3714.2	4692.0	4416.4	4192.3
67.5°	2324.5	1567.8	1295.0	1239.0	1464.4	1658.2	2472.3	2885.8	2712.1	2624.5
70°	1498.9	1020.8	720.8	676.2	763.8	1022.2	1579.3	1682.7	1430.0	1371.1
72.5°	709.2	440.8	252.7	208.2	234.0	390.5	624.5	671.9	558.5	511.1
75°	225.4	162.2	103.4	89.0	84.7	100.5	143.6	110.6	80.4	78.9
77.5°	100.5	96.2	81.8	68.9	60.3	50.3	41.7	34.5	35.9	37.3
80°	83.3	76.1	67.5	60.3	50.3	38.8	30.1	22.9	22.9	24.4
82.5°	73.2	66.0	58.9	50.3	43.1	31.6	22.9	15.8	14.3	14.3
85°	31.6	37.3	40.2	43.1	34.5	25.8	15.8	10.0	8.6	8.6
87.5°	12.9	11.5	10.0	8.6	7.2	7.2	5.7	4.3	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)