

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: P650800

Luminaire Tested: **GALN-SA3C-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13145.7 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

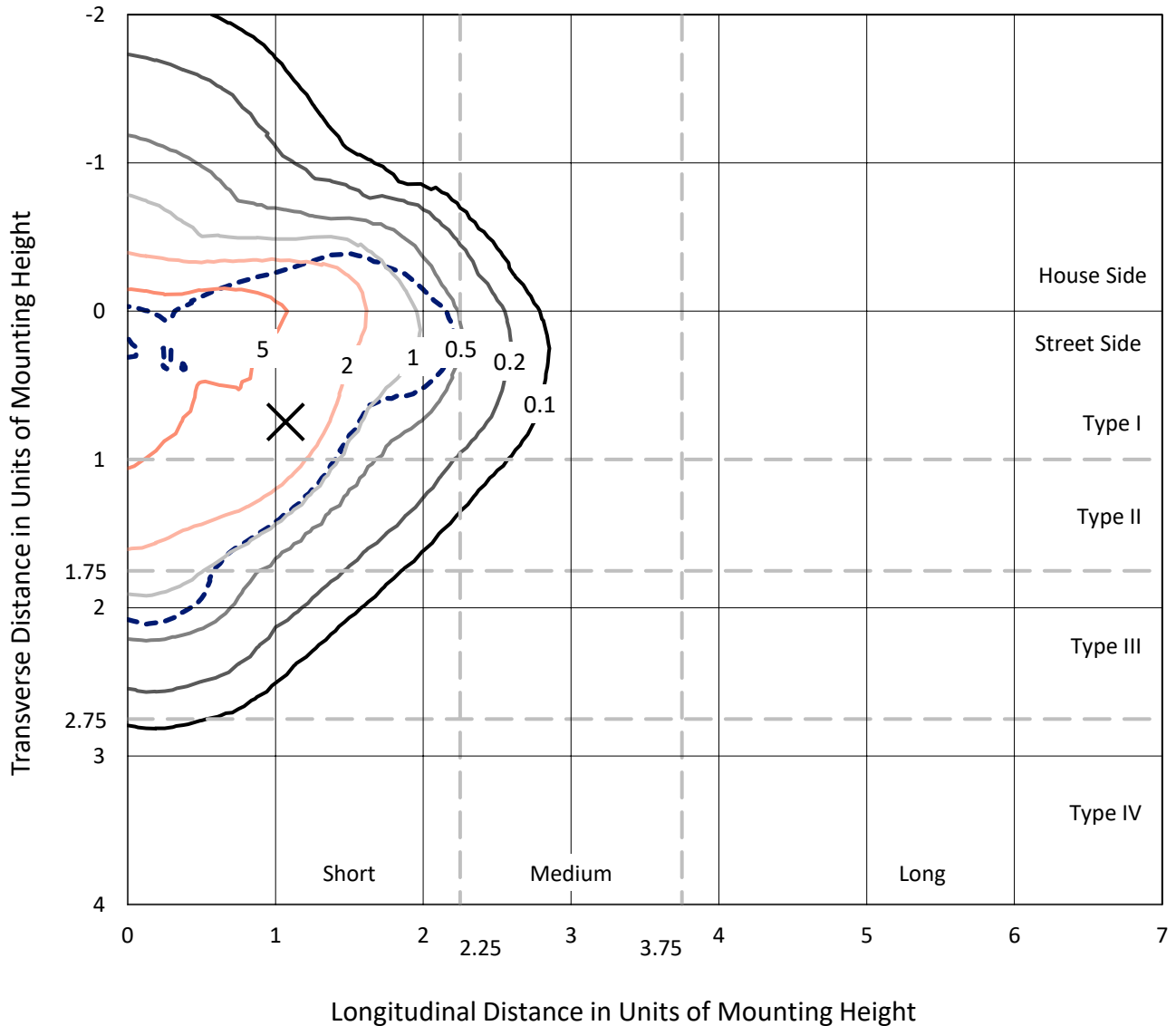
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650800
 CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

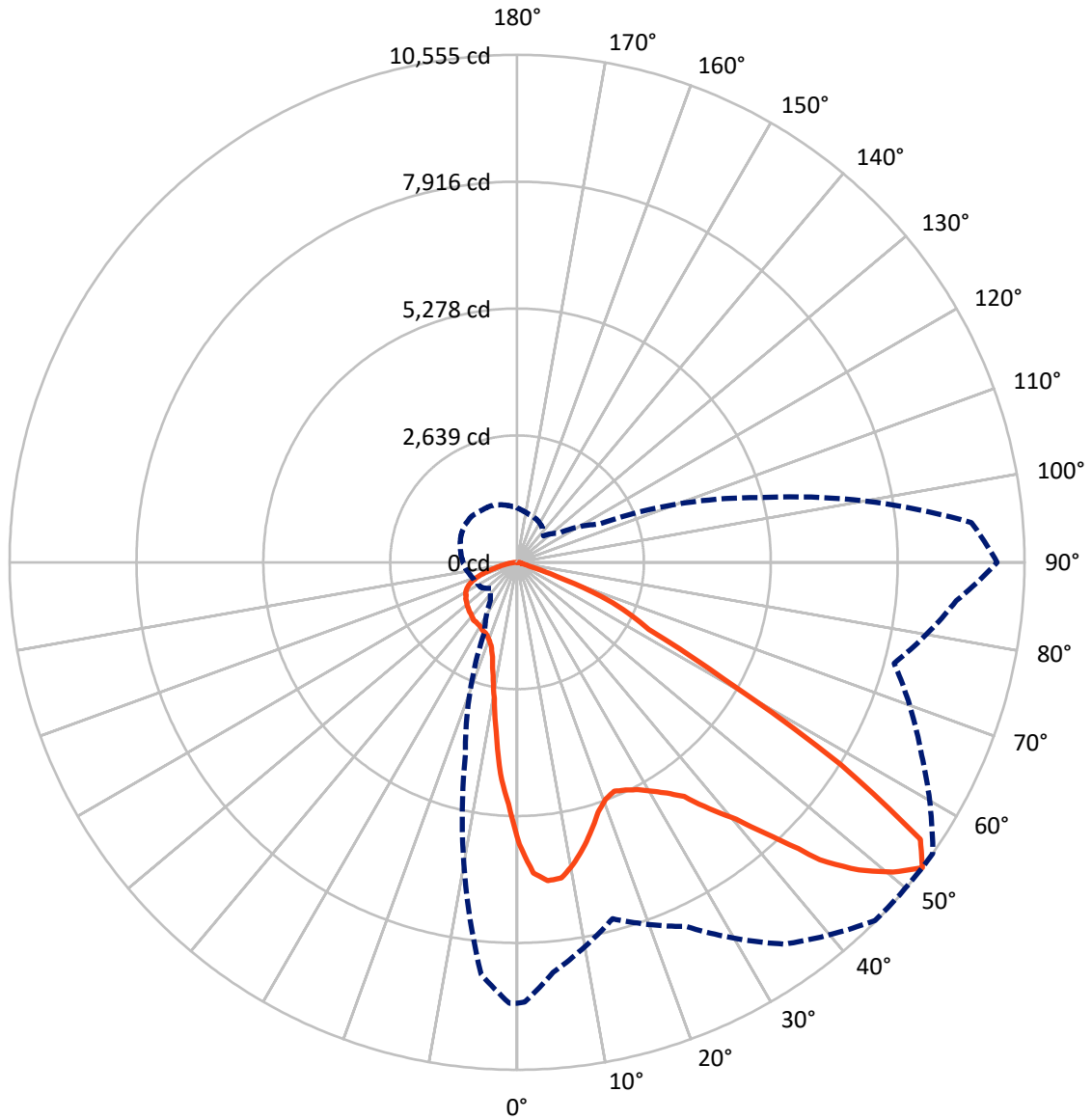
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

REPORT NUMBER: P650800
CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P650800
 CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

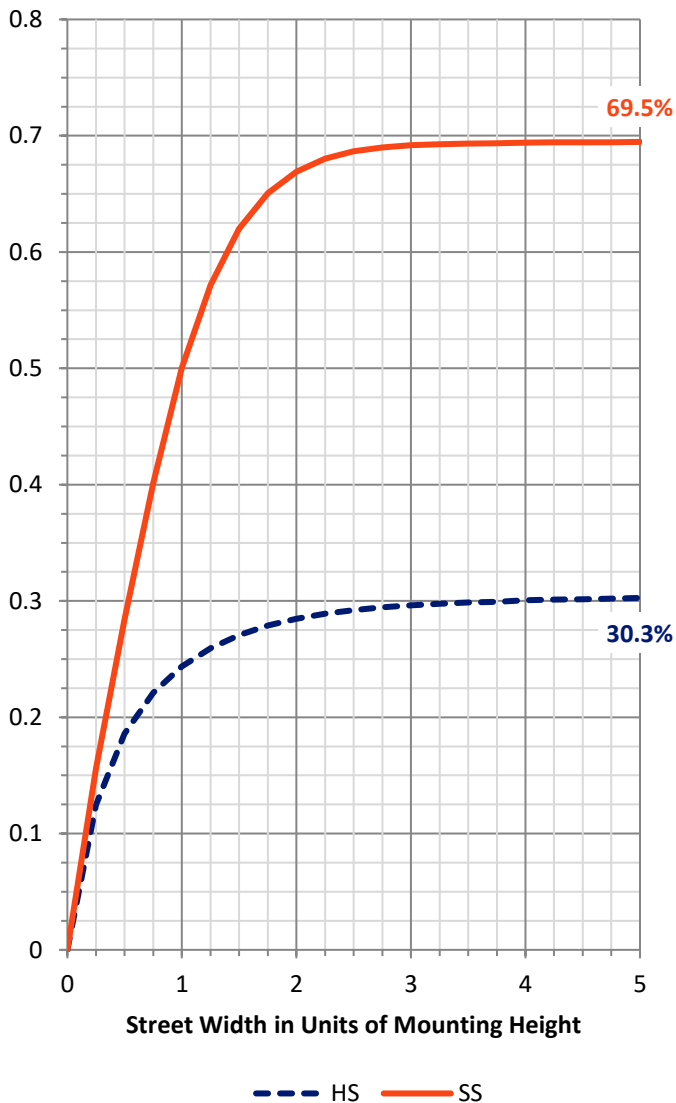
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4010.1	0.0	4010.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	9135.5	0.0	9135.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	13145.7	0.0	13145.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.0	3.4
10°-20°	965.9	7.3
20°-30°	1464.7	11.1
30°-40°	2116.2	16.1
40°-50°	2827.9	21.5
50°-60°	3156.5	24.0
60°-70°	1731.5	13.2
70°-80°	374.4	2.8
80°-90°	60.6	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°	13145.7	100.0
0°-180°	13145.7	100.0

Coefficient of Utilization



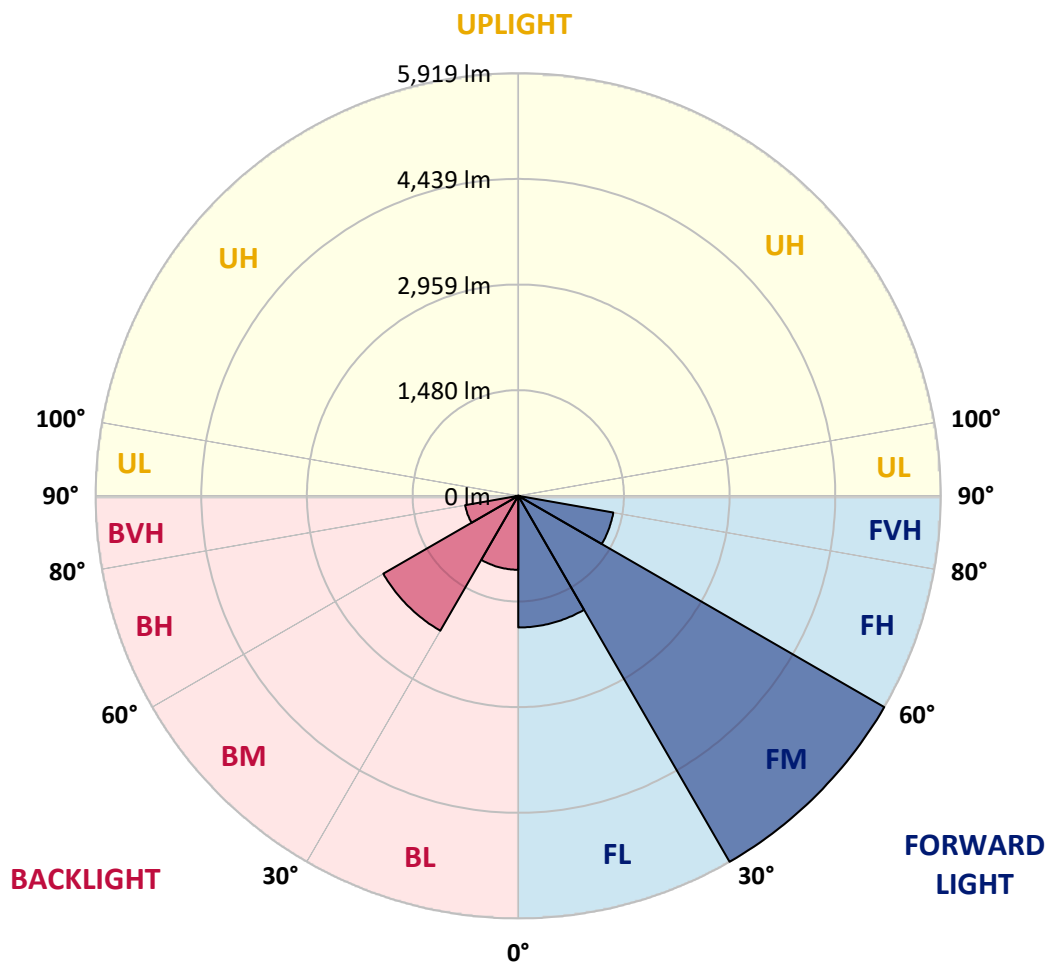
REPORT NUMBER: P650800
 CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1843.3	14.0			
FM (30°-60°)	5918.8	45.0			
FH (60°-80°)	1351.0	10.3			G1/1800
FVH (80°-90°)	22.4	0.2			G1/100
BL (0°-30°)	1035.4	7.9	B3/2500		
BM (30°-60°)	2181.8	16.6	B2/2500		
BH (60°-80°)	754.8	5.7	B2/1000		G2/1000
BVH (80°-90°)	38.1	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-G2

Type II Short





REPORT NUMBER: P650800

CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0
2.5°	6153.8	6119.3	6150.0	6295.9	6380.3	6437.9	6474.4	6468.6	6330.5	6196.1	6196.1
5°	5973.4	5929.2	5992.6	6322.7	6654.8	6683.6	6731.6	6652.9	6449.5	6203.7	5896.6
7.5°	5451.3	5483.9	5589.5	6023.3	6455.2	6672.1	6729.7	6629.9	6299.7	5840.9	5389.9
10°	5000.2	5077.0	5320.8	5789.1	6186.5	6468.6	6532.0	6391.9	6130.8	5568.4	5165.3
12.5°	4844.7	4796.7	5067.4	5535.8	5915.8	6067.5	6096.2	6105.8	5929.2	5430.2	4938.8
15°	4825.6	4856.3	5067.4	5422.5	5656.7	5664.4	5712.3	5787.2	5810.2	5524.3	5044.4
17.5°	5101.9	5065.5	5282.4	5564.6	5453.2	5341.9	5353.4	5460.9	5650.9	5604.8	5376.4
20°	5510.8	5593.3	5764.2	5735.4	5436.0	5153.8	5155.7	5257.4	5631.8	5938.8	5839.1
22.5°	6190.3	6270.9	6397.6	6050.2	5436.0	5098.1	5032.9	5171.1	5754.5	6336.2	6361.2
25°	6810.2	6958.1	6992.7	6583.8	5708.5	5149.9	5107.7	5244.0	5877.4	6723.9	6960.0
27.5°	7374.6	7428.4	7580.0	6927.4	5860.2	5184.5	5180.6	5355.3	6032.9	6917.8	7495.5
30°	7820.0	7814.2	7900.5	7144.3	6102.0	5378.4	5192.2	5522.3	6236.4	7238.3	7990.8
32.5°	8123.2	8188.5	8370.8	7445.6	6203.7	5562.6	5416.7	5718.1	6483.9	7390.0	8340.1
35°	8656.8	8770.0	8539.8	7612.6	6526.2	5745.0	5574.1	5984.9	6606.8	7555.0	8768.2
37.5°	9159.8	9073.4	8839.2	7702.8	6735.4	6082.8	5923.5	6501.3	6988.8	7914.0	9052.2
40°	9482.2	9480.3	9063.7	7775.8	6883.2	6599.2	6589.6	7025.3	7457.1	8140.5	9370.8
42.5°	9622.3	9756.7	9155.9	7768.1	7194.2	7224.9	7418.8	7808.4	7789.3	8186.5	9363.2
44°	9814.2	9894.9	9315.2	7785.4	7401.5	7647.2	8104.0	8351.6	8079.1	8161.6	9353.6
45°	9806.6	9812.4	9088.7	7808.4	7578.1	8000.3	8409.2	8827.6	8334.3	8107.8	9480.3
47.5°	9582.0	9516.8	8896.8	7637.5	8128.9	8933.2	9311.4	9564.7	8649.2	7992.7	9322.9
50°	9138.6	9063.7	8430.4	7564.6	8244.2	9512.9	10035.0	10127.2	8935.1	7879.4	9167.4
52.5°	9169.3	9148.2	8562.7	7674.0	8359.3	9695.2	10532.2	10555.1	9259.5	8117.4	9169.3
55°	9718.3	9645.3	8942.9	7810.4	8274.9	9482.2	10215.5	10175.1	9150.1	7973.5	9338.2
57.5°	8892.9	8940.9	8416.9	7270.9	7242.2	7708.6	8031.0	7931.2	7635.7	7196.1	8687.5
60°	7175.0	7311.2	7361.2	6080.9	5464.7	5224.8	5128.8	4952.2	5002.2	5912.0	7631.8
62.5°	6153.8	6146.1	6459.0	5512.8	3579.8	3078.8	3032.7	3073.1	3648.9	5819.8	7474.4
65°	4879.3	5009.8	5105.8	4672.0	2833.2	2286.1	2284.2	2539.5	3157.5	4863.9	6034.8
67.5°	3098.0	3268.9	3387.9	2988.6	1894.5	1627.7	1583.6	1890.7	2188.2	3190.2	3633.5
70°	1746.8	1827.3	1881.1	1723.7	1205.4	844.5	794.7	867.6	1322.6	2065.3	2153.6
72.5°	673.7	710.2	783.1	788.9	454.9	272.6	220.8	264.9	556.7	817.7	779.3
75°	103.6	111.3	157.4	188.1	130.5	99.8	105.5	109.4	155.5	211.2	176.6
77.5°	49.9	49.9	48.0	55.7	65.3	71.0	76.8	84.4	92.2	101.8	97.9
80°	32.6	32.6	32.6	38.3	48.0	57.6	65.3	69.1	72.9	80.7	76.8
82.5°	21.1	21.1	21.1	28.8	38.3	48.0	51.8	61.4	69.1	80.7	74.8
85°	11.5	11.5	11.5	19.2	28.8	40.3	38.3	30.7	17.2	1.9	3.9
87.5°	3.9	3.9	3.9	3.9	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



REPORT NUMBER: P650800

CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0
2.5°	6034.8	5946.5	5938.8	5758.4	5597.2	5518.5	5455.1	5278.5	5317.0	5215.2	5213.3
5°	5743.0	5562.6	5270.9	5030.9	4791.0	4743.0	4533.8	4351.4	4357.2	4226.7	4249.7
7.5°	5219.1	5094.3	4739.2	4362.9	4044.3	3817.8	3620.1	3501.1	3349.5	3297.6	3270.8
10°	4887.0	4733.4	4334.2	3862.0	3505.0	3384.0	3194.0	3088.4	2933.0	2856.2	2802.5
12.5°	4741.1	4516.5	4017.5	3537.6	3299.6	3174.8	3013.6	2821.6	2637.4	2566.3	2468.4
15°	4756.4	4487.7	3925.3	3407.1	3121.0	2879.2	2735.3	2522.2	2334.1	2209.3	2138.3
17.5°	4988.7	4662.4	3967.6	3307.2	2896.5	2593.2	2311.1	2080.7	1931.0	1836.9	1813.9
20°	5537.6	5094.3	4038.6	3146.0	2671.9	2293.7	1946.3	1706.4	1591.3	1589.3	1591.3
22.5°	5994.5	5555.0	4182.5	3050.1	2447.3	1909.9	1564.3	1487.6	1464.5	1512.5	1518.3
25°	6610.7	6073.2	4430.1	3000.1	2240.0	1627.7	1414.6	1385.9	1383.9	1445.3	1447.3
27.5°	7242.2	6526.2	4577.9	2854.3	2028.9	1481.8	1324.4	1318.7	1349.4	1414.6	1408.9
30°	7672.1	6906.3	4844.7	2679.6	1779.4	1353.3	1288.0	1295.6	1337.9	1387.8	1395.5
32.5°	8173.1	7280.5	4913.9	2583.6	1625.8	1245.8	1199.7	1216.9	1270.7	1349.4	1391.6
35°	8747.1	7545.5	5019.4	2453.1	1568.2	1163.2	1140.1	1159.4	1224.7	1276.5	1322.6
37.5°	9171.3	8013.8	5038.6	2351.4	1504.9	1117.1	1080.7	1144.0	1182.4	1255.4	1278.4
40°	9486.1	8353.6	5088.6	2288.0	1454.9	1057.6	1057.6	1099.9	1151.7	1218.9	1264.9
42.5°	9687.6	8601.2	5125.0	2230.4	1359.0	1040.3	1030.7	1072.9	1142.1	1207.3	1228.4
44°	9810.4	8706.7	5088.6	2176.7	1332.1	1019.2	1019.2	1055.7	1109.4	1186.2	1211.2
45°	9841.1	8839.2	5007.9	2174.7	1299.5	994.3	990.4	1059.6	1096.0	1190.1	1205.4
47.5°	9960.1	9002.3	5017.5	2113.3	1220.8	934.8	1002.0	1032.7	1065.3	1147.9	1199.7
50°	9956.3	9104.1	4996.4	2023.1	1163.2	867.6	978.9	1013.5	1046.1	1130.6	1151.7
52.5°	9983.2	9484.1	5190.2	1879.1	1059.6	781.2	902.1	978.9	1019.2	1090.3	1134.4
55°	9969.7	9701.0	5382.2	1771.7	913.7	729.4	836.9	927.1	984.7	1059.6	1080.7
57.5°	9106.0	8574.2	4981.0	1570.1	756.3	668.0	744.8	873.4	946.3	1023.1	1050.0
60°	7439.9	6608.7	4107.7	1155.5	621.9	614.3	692.9	856.1	886.8	953.9	1000.0
62.5°	6875.5	5796.8	3257.4	883.0	531.7	562.4	639.2	773.6	821.6	904.1	946.3
65°	5380.3	3850.4	2017.4	596.9	468.4	504.9	577.8	677.6	756.3	833.0	883.0
67.5°	3186.3	2103.8	998.1	418.5	408.8	447.2	522.1	596.9	687.2	771.6	796.6
70°	1735.2	1034.6	426.1	318.7	347.4	382.0	454.9	506.7	593.2	658.4	700.6
72.5°	556.7	314.8	213.0	236.1	264.9	305.2	349.4	412.7	474.1	512.5	547.1
75°	134.4	132.5	151.6	165.1	191.9	222.7	259.1	291.7	339.8	376.2	407.0
77.5°	94.0	101.8	117.1	136.2	145.9	157.4	180.4	205.4	226.5	253.4	272.6
80°	72.9	78.7	90.2	99.8	109.4	119.0	130.5	140.1	153.6	170.8	180.4
82.5°	69.1	72.9	84.4	90.2	86.4	84.4	92.2	96.0	97.9	103.6	109.4
85°	5.7	0.0	3.9	13.5	32.6	48.0	51.8	51.8	49.9	53.7	53.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	7.7	5.7
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: P650800

CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0
2.5°	5190.2	5125.0	5149.9	5180.6	5136.5	5034.8	5061.6	5050.1	5153.8	5146.1	5249.8
5°	4351.4	4249.7	4261.3	4411.0	4362.9	4414.7	4311.1	4297.7	4316.9	4326.5	4343.8
7.5°	3330.3	3316.8	3432.0	3558.7	3618.2	3556.8	3455.1	3432.0	3410.9	3368.7	3464.7
10°	2717.9	2721.8	2714.2	2810.1	2877.3	2863.9	2802.5	2794.7	2754.4	2739.1	2792.8
12.5°	2426.2	2374.4	2349.4	2318.7	2370.5	2405.1	2378.3	2359.0	2360.9	2380.1	2387.9
15°	2144.0	2111.4	2057.7	2023.1	2048.1	2030.8	2021.2	2059.6	2050.0	2046.2	2092.2
17.5°	1827.3	1854.2	1850.4	1812.0	1844.6	1831.2	1829.3	1802.3	1765.9	1739.0	1754.4
20°	1618.1	1668.0	1706.4	1708.3	1725.6	1723.7	1694.9	1612.4	1585.5	1579.7	1583.6
22.5°	1543.2	1570.1	1616.2	1681.5	1681.5	1650.7	1616.2	1520.2	1495.3	1468.4	1456.9
25°	1483.8	1535.6	1595.0	1602.8	1633.5	1604.7	1549.0	1501.0	1449.2	1412.7	1412.7
27.5°	1453.1	1510.6	1554.8	1568.2	1610.4	1587.4	1529.8	1468.4	1407.0	1405.1	1372.4
30°	1439.6	1493.4	1522.1	1554.8	1573.9	1537.5	1520.2	1454.9	1393.5	1378.1	1324.4
32.5°	1399.3	1476.0	1529.8	1522.1	1537.5	1522.1	1497.1	1443.4	1374.4	1339.8	1334.0
35°	1353.3	1430.0	1487.6	1527.9	1537.5	1504.9	1489.5	1416.6	1322.6	1305.2	1245.8
37.5°	1328.3	1374.4	1445.3	1510.6	1524.1	1506.8	1454.9	1380.1	1286.1	1266.9	1215.0
40°	1297.6	1357.0	1412.7	1466.5	1506.8	1464.5	1405.1	1332.1	1289.9	1232.3	1216.9
42.5°	1274.5	1341.7	1387.8	1447.3	1493.4	1437.7	1368.6	1318.7	1259.1	1220.8	1176.6
44°	1266.9	1328.3	1359.0	1431.9	1470.3	1428.1	1370.5	1318.7	1249.6	1215.0	1176.6
45°	1240.0	1324.4	1357.0	1422.3	1454.9	1420.4	1347.5	1295.6	1245.8	1203.5	1163.2
47.5°	1213.1	1270.7	1326.3	1378.1	1401.2	1389.7	1328.3	1264.9	1205.4	1180.5	1142.1
50°	1205.4	1263.0	1314.8	1362.8	1389.7	1366.6	1311.0	1249.6	1180.5	1140.1	1107.5
52.5°	1167.1	1238.0	1295.6	1311.0	1345.5	1332.1	1289.9	1222.7	1157.5	1122.9	1096.0
55°	1111.4	1186.2	1264.9	1284.1	1334.0	1312.9	1249.6	1186.2	1130.6	1078.8	1044.2
57.5°	1090.3	1163.2	1240.0	1264.9	1295.6	1261.1	1245.8	1178.6	1090.3	1063.4	1009.6
60°	1036.5	1128.6	1192.0	1249.6	1251.5	1241.9	1215.0	1138.2	1065.3	1015.4	977.0
62.5°	994.3	1080.7	1130.6	1184.3	1216.9	1190.1	1163.2	1092.2	1013.5	957.8	913.7
65°	932.8	1011.6	1053.8	1086.4	1122.9	1119.0	1072.9	1021.1	938.6	894.5	852.3
67.5°	838.8	907.9	965.5	996.2	1019.2	1013.5	978.9	942.4	858.0	813.8	783.1
70°	725.5	796.6	833.0	850.3	873.4	884.9	858.0	840.7	765.9	708.3	679.5
72.5°	583.5	629.6	683.3	698.7	708.3	715.9	715.9	700.6	623.9	600.8	550.9
75°	430.0	466.4	506.7	506.7	524.0	526.0	529.7	520.2	462.6	431.9	420.3
77.5°	291.7	318.7	351.3	364.7	376.2	374.3	372.4	345.5	314.8	301.3	289.8
80°	190.1	216.9	232.3	249.5	261.0	259.1	263.0	243.8	230.3	207.3	211.2
82.5°	113.3	134.4	149.7	170.8	170.8	176.6	176.6	170.8	157.4	145.9	145.9
85°	53.7	71.0	80.7	94.0	101.8	103.6	92.2	78.7	65.3	59.5	65.3
87.5°	9.6	13.5	19.2	17.2	21.1	19.2	19.2	19.2	19.2	15.4	17.2
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: P650800

CATALOG NUMBER: GALN-SA3C-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0	5864.0
2.5°	5211.3	5307.3	5374.5	5485.8	5677.8	5831.3	5988.8	6105.8	6119.3	6153.8
5°	4407.1	4458.9	4629.8	4852.4	5009.8	5268.9	5436.0	5739.2	5852.4	5973.4
7.5°	3441.6	3526.1	3754.5	3904.2	4249.7	4574.1	4910.0	5284.3	5434.0	5451.3
10°	2902.2	3025.1	3180.6	3420.5	3608.6	3969.4	4387.9	4804.5	4971.4	5000.2
12.5°	2549.1	2706.4	2913.7	3086.5	3266.9	3581.7	3982.9	4497.3	4714.2	4844.7
15°	2209.3	2372.5	2600.9	2840.8	3000.1	3376.4	3848.5	4428.2	4710.4	4825.6
17.5°	1860.0	2011.6	2199.7	2458.8	2779.4	3201.7	3827.4	4658.6	4967.6	5101.9
20°	1560.6	1645.0	1863.8	2130.6	2531.7	3023.1	3835.1	4998.3	5451.3	5510.8
22.5°	1443.4	1462.7	1549.0	1794.7	2234.3	2840.8	3971.4	5480.1	5994.5	6190.3
25°	1353.3	1349.4	1372.4	1537.5	2017.4	2769.8	4105.8	5923.5	6597.2	6810.2
27.5°	1303.3	1264.9	1266.9	1422.3	1863.8	2654.6	4278.5	6432.1	7280.5	7374.6
30°	1278.4	1270.7	1247.6	1311.0	1696.8	2481.9	4307.3	6933.1	7683.6	7820.0
32.5°	1263.0	1188.2	1159.4	1182.4	1539.5	2293.7	4414.7	7263.3	8182.7	8123.2
35°	1186.2	1119.0	1099.9	1122.9	1428.1	2188.2	4343.8	7551.2	8557.0	8656.8
37.5°	1157.5	1097.9	1059.6	1040.3	1324.4	2099.9	4307.3	7994.6	8919.8	9159.8
40°	1130.6	1067.2	1021.1	1002.0	1243.8	1982.8	4295.7	8336.2	9338.2	9482.2
42.5°	1099.9	1059.6	1007.7	973.2	1145.9	1865.8	4163.4	8441.9	9466.8	9622.3
44°	1090.3	1028.8	975.1	963.5	1107.5	1806.2	4136.5	8537.8	9578.1	9814.2
45°	1080.7	1023.1	961.7	946.3	1094.1	1773.6	4100.0	8560.9	9762.4	9806.6
47.5°	1053.8	1017.4	957.8	915.6	1065.3	1702.6	3990.5	8430.4	9574.4	9582.0
50°	1032.7	990.4	929.1	846.5	1026.9	1643.1	4040.5	8382.3	9121.3	9138.6
52.5°	1009.6	946.3	911.7	769.7	963.5	1593.2	4146.0	8599.2	9173.1	9169.3
55°	982.8	913.7	829.2	704.4	858.0	1529.8	4401.4	9027.3	9653.0	9718.3
57.5°	940.6	881.0	760.1	646.9	737.1	1408.9	4318.8	8207.7	8881.4	8892.9
60°	884.9	829.2	689.1	602.7	604.6	1111.4	3862.0	6395.7	7008.0	7175.0
62.5°	831.2	800.4	629.6	539.3	514.4	884.9	3265.0	5315.0	6015.6	6153.8
65°	767.7	692.9	577.8	491.4	441.4	620.0	2313.0	3971.4	4693.1	4879.3
67.5°	687.2	606.5	508.6	431.9	378.1	414.6	1193.9	2257.3	2988.6	3098.0
70°	600.8	526.0	428.1	364.7	305.2	286.0	526.0	1076.8	1633.5	1746.8
72.5°	493.3	424.2	341.7	288.0	228.4	197.7	176.6	288.0	579.7	673.7
75°	357.0	309.1	257.2	205.4	161.2	126.7	103.6	86.4	96.0	103.6
77.5°	263.0	224.5	190.1	145.9	113.3	90.2	71.0	53.7	51.8	49.9
80°	205.4	182.3	151.6	117.1	88.3	67.2	49.9	36.5	32.6	32.6
82.5°	161.2	149.7	124.8	96.0	72.9	53.7	36.5	25.0	21.1	21.1
85°	61.4	61.4	90.2	78.7	55.7	38.3	25.0	13.5	11.5	11.5
87.5°	15.4	15.4	15.4	15.4	13.5	11.5	11.5	5.7	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)