

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: P455947

Luminaire Tested: **GALN-SA7A-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455947
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-SA7A-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 615mA 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: 21818 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

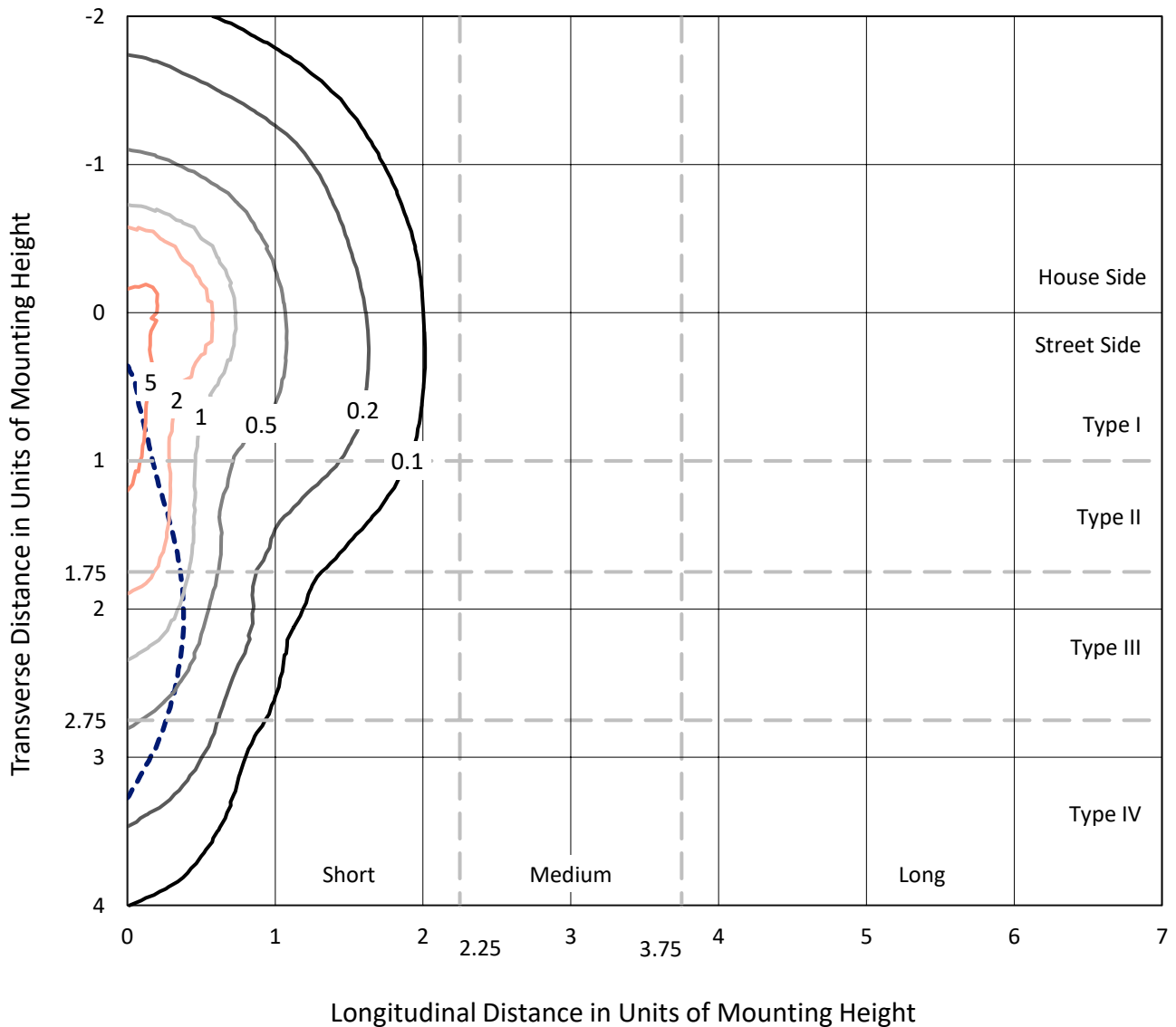
Input Watts (W): 215
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455947
 CATALOG NUMBER: GALN-SA7A-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

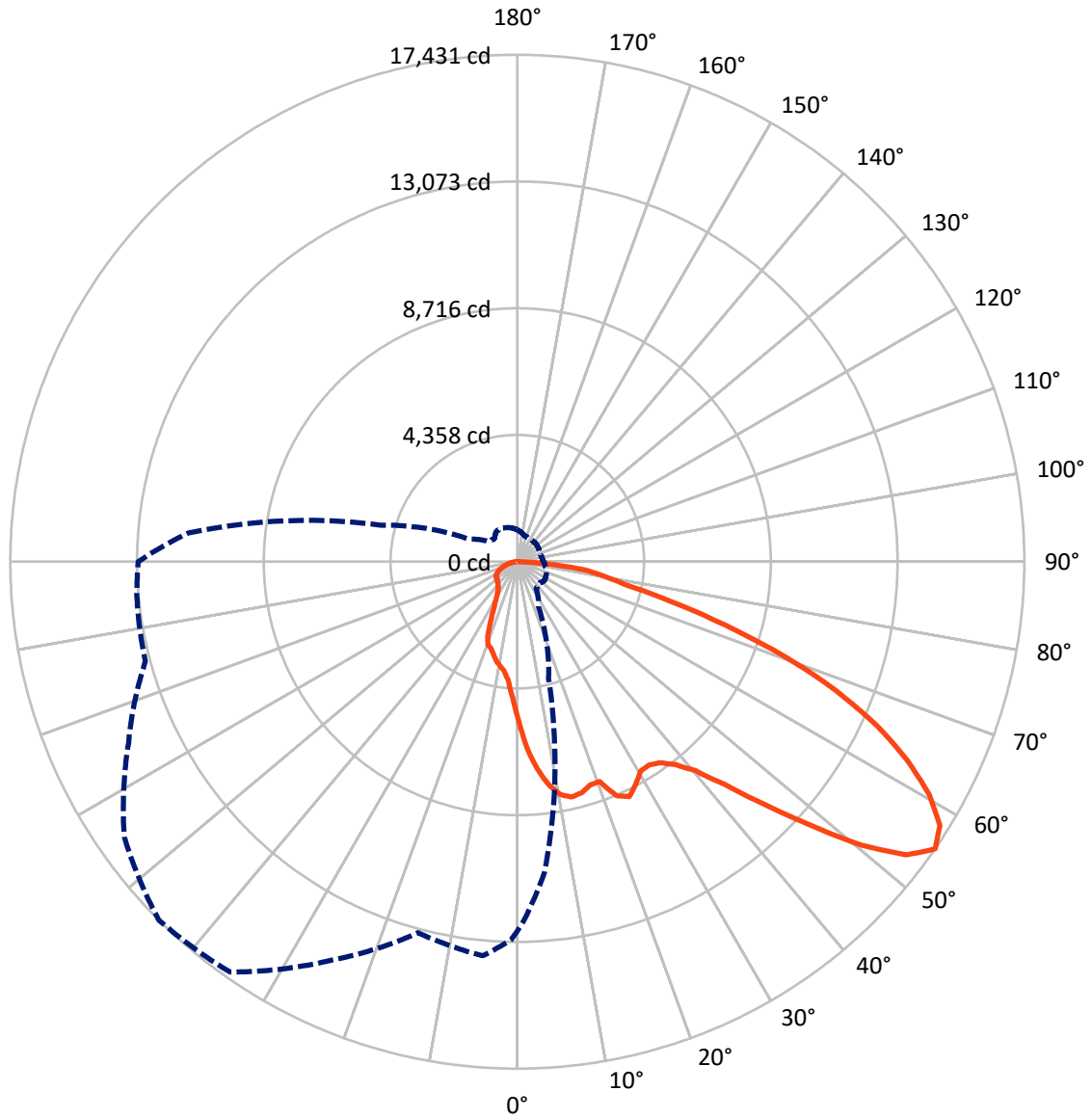
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P455947
CATALOG NUMBER: GALN-SA7A-830-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P455947

CATALOG NUMBER: GALN-SA7A-830-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4772.6	0.0	4772.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	17045.4	0.0	17045.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	21818.0	0.0	21818.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.1	2.1
10°-20°	1231.2	5.6
20°-30°	2126.9	9.7
30°-40°	2471.8	11.3
40°-50°	3448.6	15.8
50°-60°	4679.4	21.4
60°-70°	4451.9	20.4
70°-80°	2405.1	11.0
80°-90°	539.0	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°	21818.0	100.0
0°-180°	21818.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455947

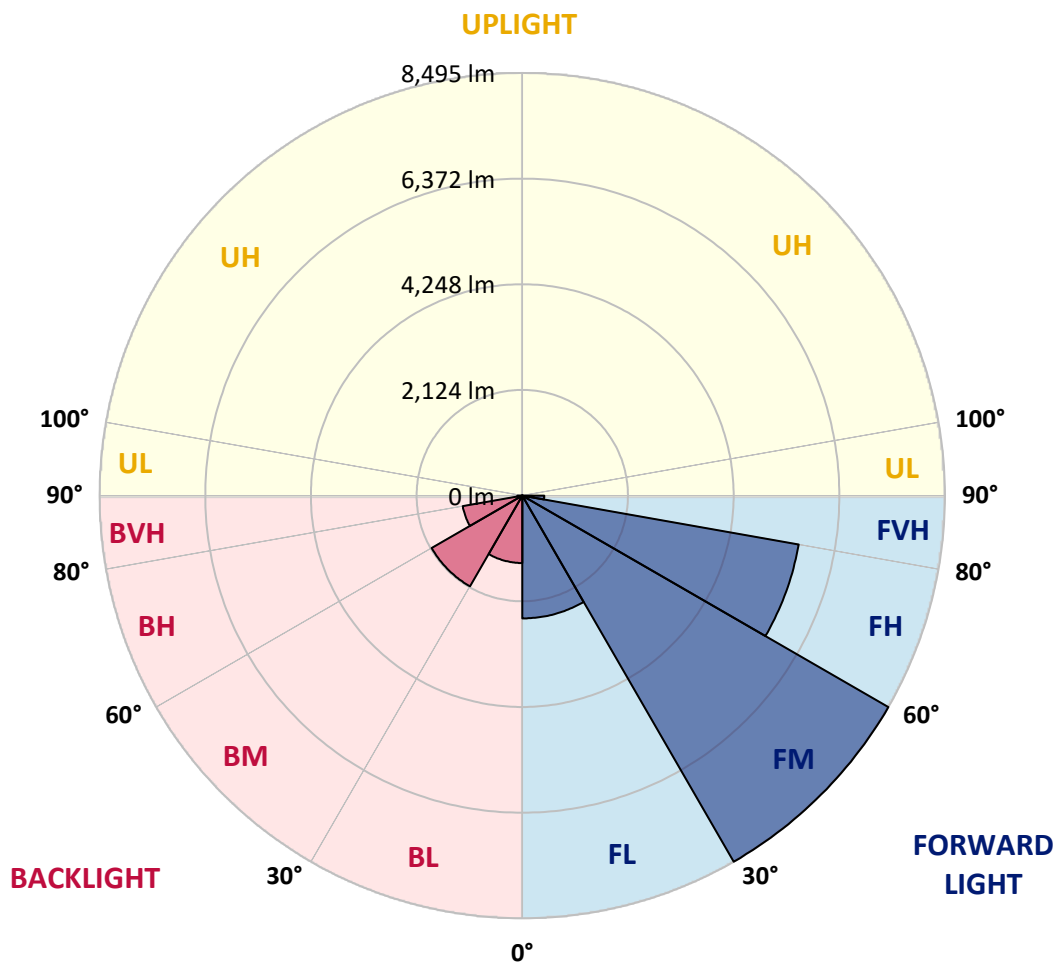
CATALOG NUMBER: GALN-SA7A-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2467.7	11.3			
FM	(30°-60°)	8495.5	38.9			
FH	(60°-80°)	5641.8	25.9			G3/7500
FVH	(80°-90°)	440.5	2.0			G3/500
BL	(0°-30°)	1354.5	6.2	B3/2500		
BM	(30°-60°)	2104.4	9.6	B2/2500		
BH	(60°-80°)	1215.2	5.6	B3/2500		G3/2500
BVH	(80°-90°)	98.5	0.5			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 IV Short





REPORT NUMBER: P455947
 CATALOG NUMBER: GALN-SA7A-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5
2.5°	6082.9	6059.9	5995.1	5825.2	5654.0	5479.8	5345.9	5178.9	5004.8	4911.2	4791.8
5°	6166.4	6140.5	5987.9	5605.0	5258.1	4893.9	4603.2	4348.4	4244.8	4092.2	3969.9
7.5°	5970.6	5959.1	5730.2	5180.4	4705.4	4228.9	3899.3	3694.9	3509.2	3440.2	3454.6
10°	5792.1	5746.1	5459.6	4741.4	4187.2	3800.0	3563.9	3363.9	3232.9	3198.3	3205.5
12.5°	5643.9	5582.0	5243.7	4446.3	3961.2	3651.7	3350.9	3142.2	3022.7	3055.8	3168.1
15°	5613.6	5530.2	5153.0	4345.5	3837.4	3438.7	3109.1	2868.7	2779.5	2851.4	3031.4
17.5°	5809.4	5704.3	5308.5	4378.6	3719.4	3221.4	2816.9	2542.0	2467.1	2582.3	2816.9
20°	6438.4	6283.0	5793.6	4570.1	3707.9	3113.4	2647.1	2370.7	2402.4	2621.1	2865.8
22.5°	7601.5	7368.3	6642.8	4849.3	3768.3	3086.1	2612.5	2468.6	2642.7	2828.4	2989.6
25°	7831.8	7649.0	6795.4	4912.7	3755.4	3067.4	2710.4	2782.4	2976.7	3068.8	3012.7
27.5°	7961.3	7752.6	6785.3	4598.9	3358.1	2782.4	2590.9	2710.4	2759.3	2670.1	2517.5
30°	8263.6	8046.2	6956.6	4269.3	2765.1	2064.1	1809.3	1760.4	1793.5	1810.8	1756.1
32.5°	8679.6	8465.1	7279.0	4053.3	2390.8	1707.1	1456.7	1387.6	1371.7	1353.0	1331.4
35°	9217.9	8888.3	7595.7	3915.2	2236.8	1579.0	1348.7	1295.5	1273.9	1248.0	1224.9
37.5°	9764.9	9419.4	7995.8	3769.8	2134.6	1489.8	1276.7	1252.3	1214.9	1187.5	1154.4
40°	10346.4	9959.2	8360.0	3643.1	2035.3	1432.2	1224.9	1222.0	1173.1	1141.4	1102.6
42.5°	10850.2	10451.5	8685.3	3565.4	1959.0	1371.7	1193.3	1201.9	1151.5	1104.0	1053.6
45°	11250.3	10858.8	8986.2	3565.4	1897.1	1311.3	1187.5	1181.7	1131.4	1072.4	1014.8
47.5°	11601.5	11197.1	9279.8	3656.1	1858.3	1260.9	1155.8	1165.9	1114.1	1039.2	983.1
50°	11873.6	11516.6	9675.6	3797.1	1819.4	1220.6	1115.5	1170.2	1099.7	1022.0	957.2
52.5°	12220.5	11900.9	10152.1	3990.0	1786.3	1176.0	1079.5	1170.2	1098.3	1023.4	952.9
55°	12701.2	12364.4	10726.4	4149.8	1733.0	1134.2	1047.9	1137.1	1093.9	1016.2	941.4
57.5°	13038.1	12786.2	11132.3	4256.3	1656.7	1081.0	1019.1	1105.5	1075.2	988.9	906.8
58°	13053.9	12807.8	11191.3	4280.8	1638.0	1070.9	1011.9	1091.1	1066.6	977.4	895.3
60°	12872.5	12660.9	11202.8	4246.2	1531.5	1020.5	974.5	1032.0	1020.5	909.7	833.4
62.5°	12213.3	11987.3	10737.9	3965.5	1390.5	958.6	916.9	952.9	927.0	814.7	744.2
65°	11276.2	10860.2	9782.1	3525.1	1289.7	892.4	839.2	842.0	814.7	734.1	672.2
67.5°	10028.3	9563.4	8282.3	2970.9	1213.4	819.0	747.0	739.8	706.7	654.9	604.5
70°	8492.4	8174.3	6730.6	2416.7	1128.5	738.4	643.4	639.1	618.9	580.1	535.5
72.5°	6883.2	6478.7	5435.2	1934.5	1024.9	660.7	547.0	555.6	529.7	502.3	462.0
75°	5079.6	4814.8	4201.6	1551.7	885.2	575.8	456.3	459.2	447.7	418.9	387.2
77.5°	3345.2	3266.0	3005.5	1019.1	680.8	457.7	372.8	375.7	367.0	341.1	308.0
80°	2251.2	2198.0	2036.7	656.4	454.8	331.1	287.9	290.8	289.3	262.0	217.3
82.5°	1387.6	1364.5	1312.7	443.3	315.2	237.5	190.0	198.6	214.5	184.2	148.3
85°	654.9	656.4	793.1	241.8	185.7	152.6	103.6	110.8	110.8	110.8	83.5
87.5°	84.9	89.2	109.4	102.2	67.7	57.6	37.4	31.7	27.3	36.0	25.9
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: P455947

CATALOG NUMBER: GALN-SA7A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5
2.5°	4750.0	4721.2	4659.3	4644.9	4636.3	4660.8	4596.0	4613.3	4584.5	4665.1	4652.1
5°	3977.1	3979.9	4030.3	4063.4	4074.9	4063.4	4020.2	3945.4	3887.8	3864.8	3870.5
7.5°	3427.2	3477.6	3563.9	3660.4	3748.2	3774.1	3749.6	3607.1	3451.7	3353.8	3322.1
10°	3244.4	3312.1	3411.4	3487.7	3565.4	3627.3	3640.2	3529.4	3345.2	3113.4	3022.7
12.5°	3254.5	3346.6	3441.6	3466.1	3458.9	3483.3	3471.8	3453.1	3332.2	3037.1	2886.0
15°	3159.5	3268.9	3335.1	3322.1	3299.1	3277.5	3247.3	3199.8	3156.6	2949.3	2782.4
17.5°	2940.7	3053.0	3107.7	3112.0	3112.0	3106.2	3032.8	3015.5	3009.8	2909.0	2806.8
20°	2981.0	3042.9	3018.4	2978.1	2989.6	3028.5	2985.3	2976.7	3009.8	3054.4	3035.7
22.5°	3004.0	2982.4	2798.2	2619.7	2579.4	2700.3	2724.8	2821.2	2955.1	3116.3	3221.4
25°	2861.5	2687.4	2357.7	2156.2	2042.5	2154.8	2301.6	2480.1	2680.2	2887.4	3009.8
27.5°	2392.3	2259.9	2023.8	1842.4	1743.1	1760.4	1885.6	2048.3	2233.9	2373.6	2462.8
30°	1802.1	1743.1	1620.8	1558.9	1498.4	1484.0	1537.3	1599.2	1681.2	1698.5	1721.5
32.5°	1327.1	1318.5	1325.7	1305.5	1294.0	1292.6	1276.7	1291.1	1299.8	1309.9	1289.7
35°	1200.5	1188.9	1168.8	1163.0	1155.8	1158.7	1151.5	1144.3	1150.1	1158.7	1164.5
37.5°	1135.7	1118.4	1089.6	1079.5	1079.5	1083.9	1072.4	1069.5	1079.5	1106.9	1121.3
40°	1085.3	1065.2	1032.0	1019.1	1027.7	1039.2	1023.4	1017.7	1042.1	1070.9	1093.9
42.5°	1037.8	1022.0	990.3	975.9	983.1	1004.7	981.7	977.4	1009.0	1040.7	1068.0
45°	997.5	981.7	952.9	945.7	948.6	968.7	952.9	952.9	983.1	1017.7	1042.1
47.5°	965.8	945.7	927.0	921.2	924.1	935.6	932.7	932.7	961.5	997.5	1022.0
50°	934.2	916.9	892.4	895.3	902.5	918.3	916.9	921.2	950.0	994.6	1020.5
52.5°	919.8	893.9	866.5	869.4	891.0	909.7	903.9	908.3	941.4	1024.9	1062.3
55°	903.9	869.4	837.7	842.0	866.5	893.9	886.7	892.4	931.3	1045.0	1096.8
57.5°	873.7	833.4	798.9	801.7	837.7	866.5	855.0	862.2	908.3	1023.4	1078.1
58°	860.8	826.2	793.1	794.5	829.1	860.8	847.8	853.6	901.1	1017.7	1069.5
60°	806.1	785.9	757.1	758.6	791.7	819.0	811.8	817.6	863.6	975.9	1014.8
62.5°	731.2	719.7	712.5	712.5	732.7	758.6	765.8	773.0	814.7	882.4	916.9
65°	650.6	650.6	652.0	652.0	665.0	698.1	702.4	721.1	760.0	793.1	819.0
67.5°	595.9	593.0	595.9	588.7	594.5	614.6	636.2	653.5	693.8	716.8	725.5
70°	525.4	523.9	525.4	515.3	522.5	539.8	554.2	583.0	624.7	642.0	646.3
72.5°	456.3	456.3	459.2	452.0	452.0	470.7	480.8	512.4	551.3	561.4	562.8
75°	384.3	388.6	388.6	378.6	381.4	393.0	405.9	431.8	467.8	475.0	475.0
77.5°	305.2	321.0	321.0	310.9	315.2	316.7	333.9	346.9	374.2	377.1	365.6
80°	221.7	237.5	250.5	241.8	249.0	240.4	250.5	259.1	286.4	273.5	254.8
82.5°	158.3	169.8	179.9	181.4	174.2	158.3	171.3	172.7	185.7	168.4	158.3
85°	87.8	97.9	110.8	105.1	93.6	83.5	87.8	90.7	89.2	84.9	79.2
87.5°	23.0	24.5	27.3	20.2	18.7	15.8	21.6	21.6	24.5	25.9	24.5
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: P455947

CATALOG NUMBER: GALN-SA7A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5
2.5°	4662.2	4725.5	4862.3	4965.9	5092.6	5246.6	5428.0	5610.8	5808.0	5869.9	5956.2
5°	3857.6	4015.9	4082.1	4270.7	4457.8	4738.5	5037.9	5384.8	5764.8	5947.6	6123.2
7.5°	3296.2	3381.1	3450.2	3588.4	3813.0	4154.1	4529.8	4963.0	5501.4	5767.7	6025.3
10°	2993.9	3002.6	3087.5	3258.8	3454.6	3755.4	4110.9	4596.0	5196.2	5520.1	5822.4
12.5°	2793.9	2756.4	2848.6	3027.1	3248.7	3526.5	3853.3	4315.3	4976.0	5308.5	5674.1
15°	2618.3	2559.2	2628.3	2811.1	3029.9	3356.7	3707.9	4197.3	4889.6	5276.8	5682.7
17.5°	2622.6	2459.9	2484.4	2638.4	2855.8	3188.3	3614.3	4193.0	5020.6	5466.8	5947.6
20°	2946.4	2685.9	2575.1	2603.9	2814.0	3176.7	3657.5	4394.5	5451.0	6101.6	6615.5
22.5°	3264.6	3107.7	2929.2	2870.2	2985.3	3365.3	3932.4	4870.9	6386.6	7366.8	8295.2
25°	3153.7	3287.6	3243.0	3159.5	3185.4	3500.6	4119.6	5262.4	7113.5	8217.5	9089.8
27.5°	2523.3	2766.5	2815.5	2814.0	2824.1	3083.2	3705.0	4999.0	7204.2	8380.2	9213.6
30°	1773.3	1794.9	1820.8	1871.2	1917.3	2149.0	2898.9	4388.7	7163.9	8453.6	9288.4
32.5°	1279.6	1308.4	1344.4	1413.5	1522.9	1818.0	2536.2	4194.4	7376.9	8757.3	9507.2
35°	1170.2	1203.3	1237.9	1317.0	1420.7	1694.2	2392.3	4113.8	7726.7	9249.6	9900.2
37.5°	1135.7	1173.1	1203.3	1260.9	1344.4	1604.9	2261.3	4059.1	8085.1	9770.6	10427.0
40°	1111.2	1154.4	1178.9	1224.9	1282.5	1522.9	2144.7	4015.9	8432.0	10247.1	10850.2
42.5°	1089.6	1134.2	1165.9	1199.0	1246.5	1449.5	2041.1	3972.7	8732.8	10709.1	11271.9
45°	1063.7	1119.9	1160.2	1186.1	1227.8	1387.6	1961.9	3938.2	9075.4	11119.3	11698.0
47.5°	1042.1	1104.0	1154.4	1184.6	1200.5	1344.4	1898.6	3985.7	9487.1	11548.3	12093.8
50°	1043.6	1102.6	1165.9	1213.4	1171.7	1308.4	1859.7	4174.3	10022.5	12057.8	12406.2
52.5°	1089.6	1161.6	1212.0	1223.5	1131.4	1265.2	1839.5	4503.9	10655.9	12508.4	12721.4
55°	1141.4	1216.3	1271.0	1263.8	1109.8	1210.5	1835.2	4855.1	11349.6	13033.7	13131.6
57.5°	1122.7	1232.1	1315.6	1278.2	1111.2	1157.3	1816.5	5138.6	11929.7	13426.7	13537.5
58°	1117.0	1226.4	1321.4	1275.3	1106.9	1141.4	1812.2	5163.1	12010.3	13454.0	13595.1
60°	1060.8	1176.0	1317.0	1253.7	1082.4	1098.3	1764.7	5242.3	11988.7	13313.0	13629.6
62.5°	958.6	1053.6	1217.7	1148.6	1007.6	1040.7	1658.2	5144.4	11404.3	12633.6	13124.4
65°	843.5	914.0	1023.4	1010.5	901.1	981.7	1512.8	4757.2	10234.1	11531.0	12047.8
67.5°	757.1	814.7	883.8	865.1	810.4	902.5	1355.9	4102.3	8921.4	10206.8	10857.4
70°	669.3	713.9	748.5	735.5	718.3	824.8	1216.3	3329.3	7663.3	8948.7	9579.2
72.5°	580.1	621.8	650.6	631.9	621.8	742.7	1102.6	2583.7	6052.7	7382.7	8193.0
75°	485.1	526.8	547.0	525.4	519.6	654.9	934.2	1930.2	4541.3	5691.4	6390.9
77.5°	375.7	420.3	446.2	439.0	441.9	538.3	754.2	1321.4	3247.3	3879.2	4616.1
80°	263.4	312.3	329.6	322.4	342.6	410.2	532.6	839.2	2239.7	2517.5	3037.1
82.5°	162.7	208.7	211.6	218.8	233.2	303.7	401.6	511.0	1406.3	1453.8	1830.9
85°	82.0	99.3	106.5	118.0	131.0	185.7	228.9	316.7	905.4	685.2	1023.4
87.5°	27.3	28.8	34.5	43.2	53.3	76.3	97.9	129.5	224.5	123.8	316.7
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: P455947

CATALOG NUMBER: GALN-SA7A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5	5475.5
2.5°	6130.4	6252.7	6342.0	6424.0	6344.9	6337.7	6259.9	6134.7	6082.9	6082.9
5°	6491.7	6778.1	7009.9	7158.1	7094.8	6942.2	6690.3	6369.3	6196.6	6166.4
7.5°	6591.0	7156.7	7587.1	7739.6	7633.1	7296.3	6814.1	6272.9	6025.3	5970.6
10°	6530.5	7266.1	7898.0	8139.8	7991.5	7482.0	6824.2	6160.6	5855.5	5792.1
12.5°	6467.2	7280.5	7955.5	8305.3	8208.9	7631.7	6897.6	6087.2	5734.6	5643.9
15°	6513.3	7286.2	7885.0	8246.3	8308.2	7811.6	7018.5	6140.5	5710.1	5613.6
17.5°	6804.0	7395.6	7784.3	8076.5	8293.8	8056.3	7362.5	6395.2	5928.9	5809.4
20°	7411.5	7657.6	7841.8	8067.8	8417.6	8555.8	8066.4	7094.8	6543.5	6438.4
22.5°	9170.4	9125.8	8748.7	8744.3	9251.0	9805.2	9772.1	8516.9	7687.8	7601.5
25°	9829.6	9622.4	9076.8	8944.4	9167.5	10022.5	9898.7	8807.7	8041.9	7831.8
27.5°	9572.0	9058.1	8699.7	8669.5	8596.1	9403.6	9701.5	8925.7	8165.7	7961.3
30°	9556.2	8800.5	8288.0	8348.5	8419.0	9190.5	9810.9	9295.6	8482.4	8263.6
32.5°	9595.0	8836.5	8318.3	8329.8	8539.9	9222.2	9931.8	9698.7	8898.4	8679.6
35°	9751.9	9040.9	8511.2	8483.8	8812.0	9429.5	10137.7	10332.0	9466.9	9217.9
37.5°	10005.2	9448.2	8863.8	8856.6	9333.0	9803.7	10393.9	10971.1	10032.6	9764.9
40°	10378.1	9924.6	9491.4	9452.5	10041.2	10412.6	10726.4	11651.9	10690.4	10346.4
42.5°	10828.6	10496.1	10319.0	10473.1	11038.7	11096.3	11244.6	12280.9	11250.3	10850.2
45°	11246.0	11230.2	11476.3	11885.1	12214.7	11869.3	11785.8	12702.7	11685.0	11250.3
47.5°	11742.6	12171.5	12914.3	13513.1	13858.5	12768.9	12247.8	12977.6	12001.7	11601.5
50°	12246.4	13298.6	14484.7	15319.5	15392.9	13746.2	12565.9	13236.7	12289.6	11873.6
52.5°	12776.1	14198.2	15777.2	16747.4	16604.9	14596.9	12874.0	13412.3	12586.1	12220.5
55°	13236.7	14749.5	16499.8	17431.1	17222.4	15115.1	13206.5	13602.3	13009.3	12701.2
57.5°	13494.3	14795.6	16319.9	17133.1	16907.2	15014.3	13359.0	13743.4	13279.9	13038.1
58°	13531.8	14733.7	16160.1	16960.4	16730.1	14929.4	13357.6	13737.6	13297.1	13053.9
60°	13498.7	14332.1	15565.6	16278.1	16036.3	14396.8	13302.9	13629.6	13078.4	12872.5
62.5°	13192.1	13635.4	14539.3	15057.5	14988.4	13564.9	13078.4	13222.3	12411.9	12213.3
65°	12789.0	12685.4	13225.2	13592.2	13644.0	12941.6	12855.3	12341.4	11556.9	11276.2
67.5°	12299.6	11608.7	11607.3	11816.0	11902.4	11983.0	12390.3	11384.2	10324.8	10028.3
70°	11469.1	9949.1	9491.4	9737.5	9665.6	10346.4	11559.8	10039.8	8839.3	8492.4
72.5°	9946.2	7895.1	7162.4	7479.1	7297.7	8113.9	10114.6	8262.1	7309.3	6883.2
75°	8062.1	5905.8	5150.2	5440.9	5328.6	6154.9	8416.2	6000.8	5242.3	5079.6
77.5°	6259.9	4279.3	3840.3	3800.0	3883.5	4580.2	6173.6	4051.9	3456.0	3345.2
80°	4021.7	3063.0	3088.9	3037.1	3080.3	2887.4	3748.2	2585.2	2340.5	2251.2
82.5°	2647.1	2134.6	2544.9	2349.1	2231.1	1941.7	2458.5	1692.7	1436.5	1387.6
85°	1803.6	1571.8	1430.8	1093.9	1288.3	1495.5	1843.9	911.1	722.6	654.9
87.5°	814.7	547.0	401.6	247.6	391.5	452.0	895.3	106.5	82.0	84.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)