

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: P456846

Luminaire Tested: **GALN-SA8A-827-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456846
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-SA8A-827-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 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: 23400 lumens
Efficiency: N/A
Efficacy: 95.9 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

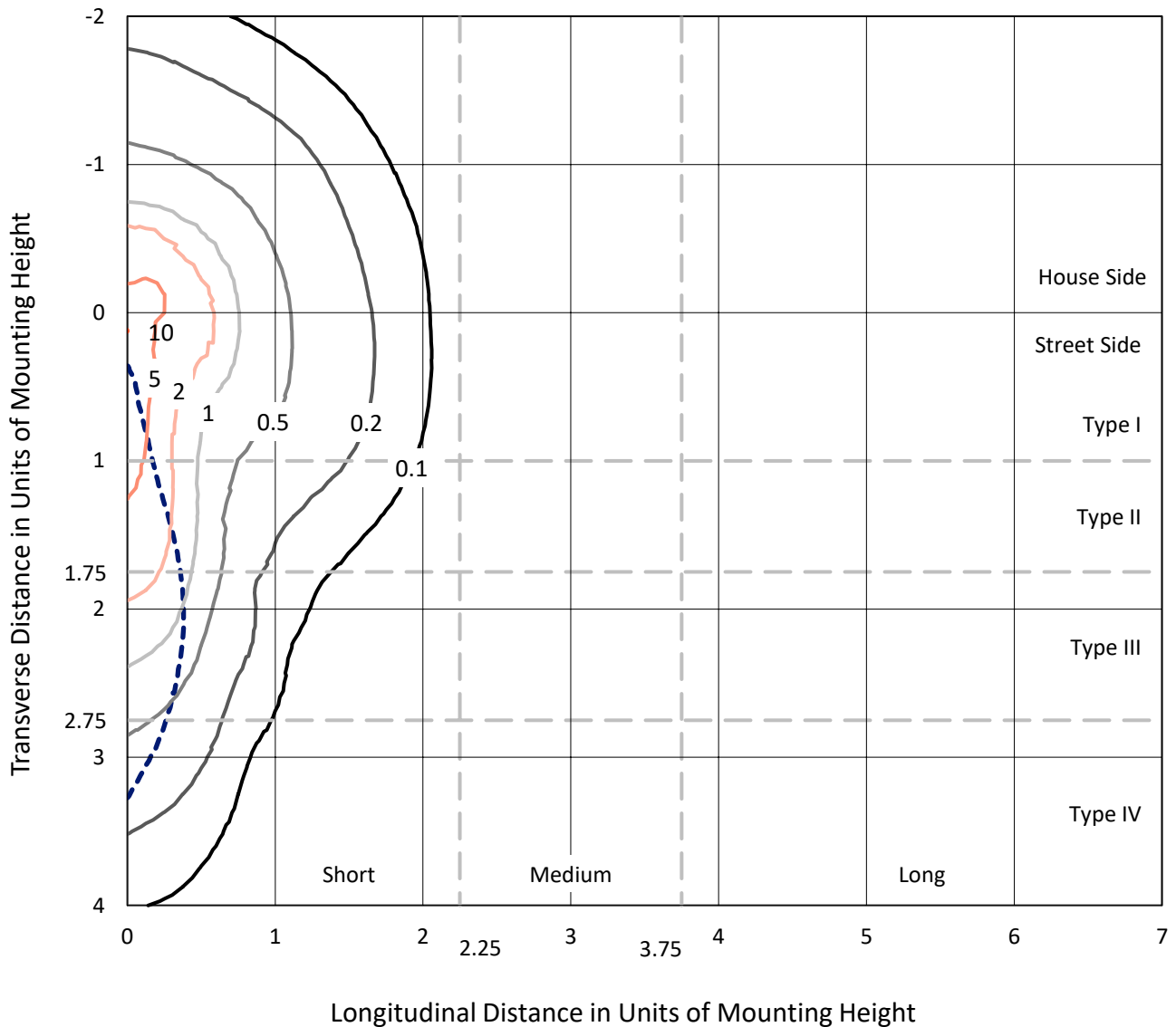
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P456846
 CATALOG NUMBER: GALN-SA8A-827-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

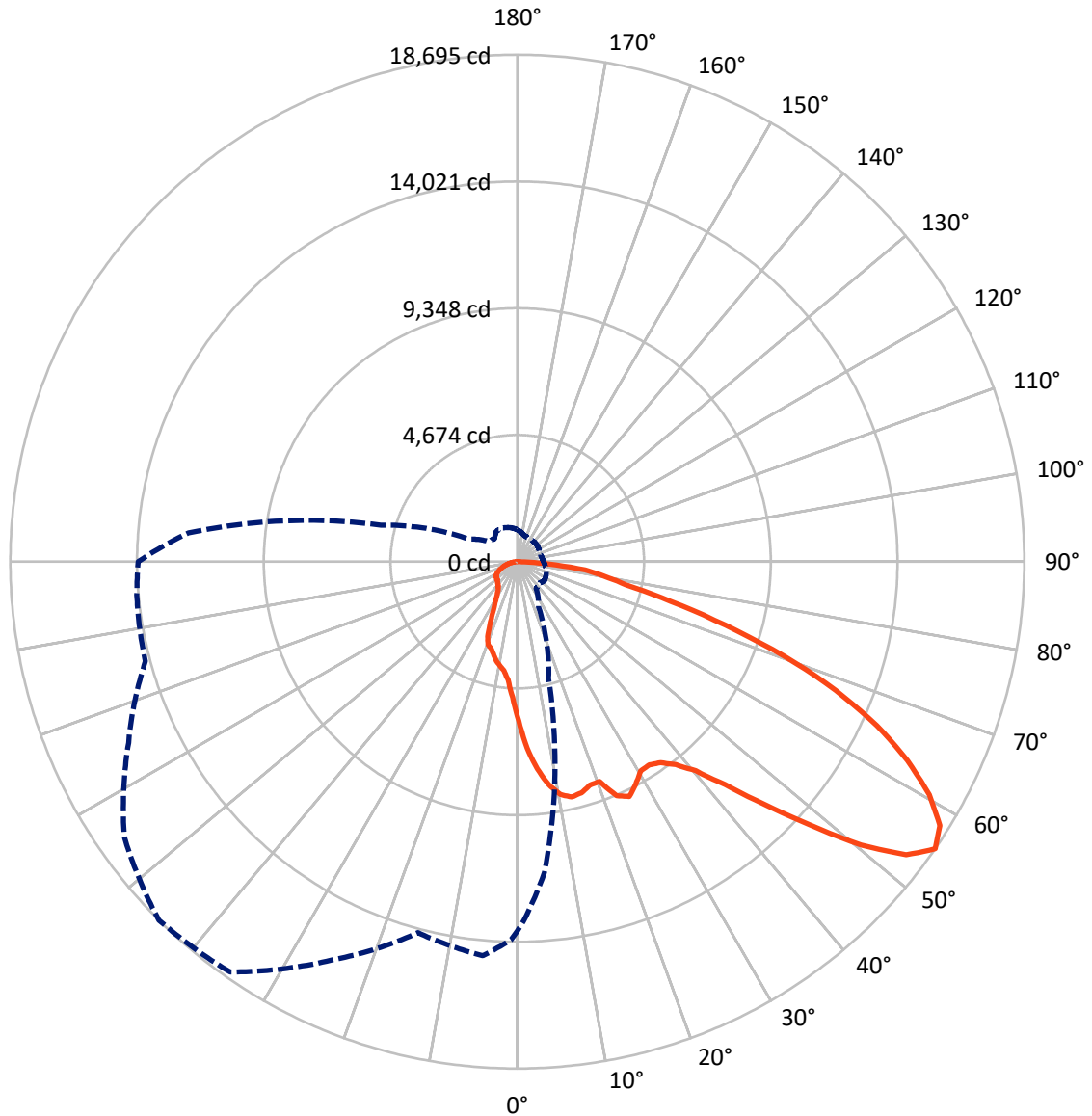
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P456846
CATALOG NUMBER: GALN-SA8A-827-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P456846

CATALOG NUMBER: GALN-SA8A-827-U-SLR

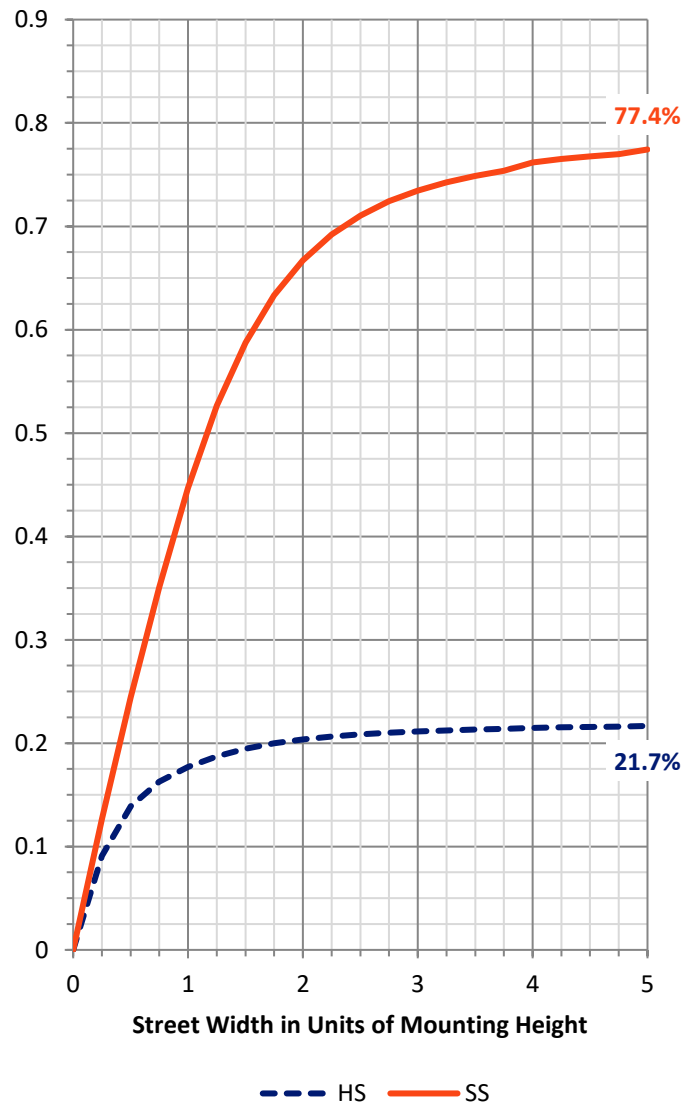
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5118.6	0.0	5118.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	18281.4	0.0	18281.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	23400.0	0.0	23400.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.7	2.1
10°-20°	1320.4	5.6
20°-30°	2281.1	9.7
30°-40°	2651.0	11.3
40°-50°	3698.7	15.8
50°-60°	5018.7	21.4
60°-70°	4774.7	20.4
70°-80°	2579.4	11.0
80°-90°	578.1	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°	23400.0	100.0
0°-180°	23400.0	100.0



REPORT NUMBER: P456846

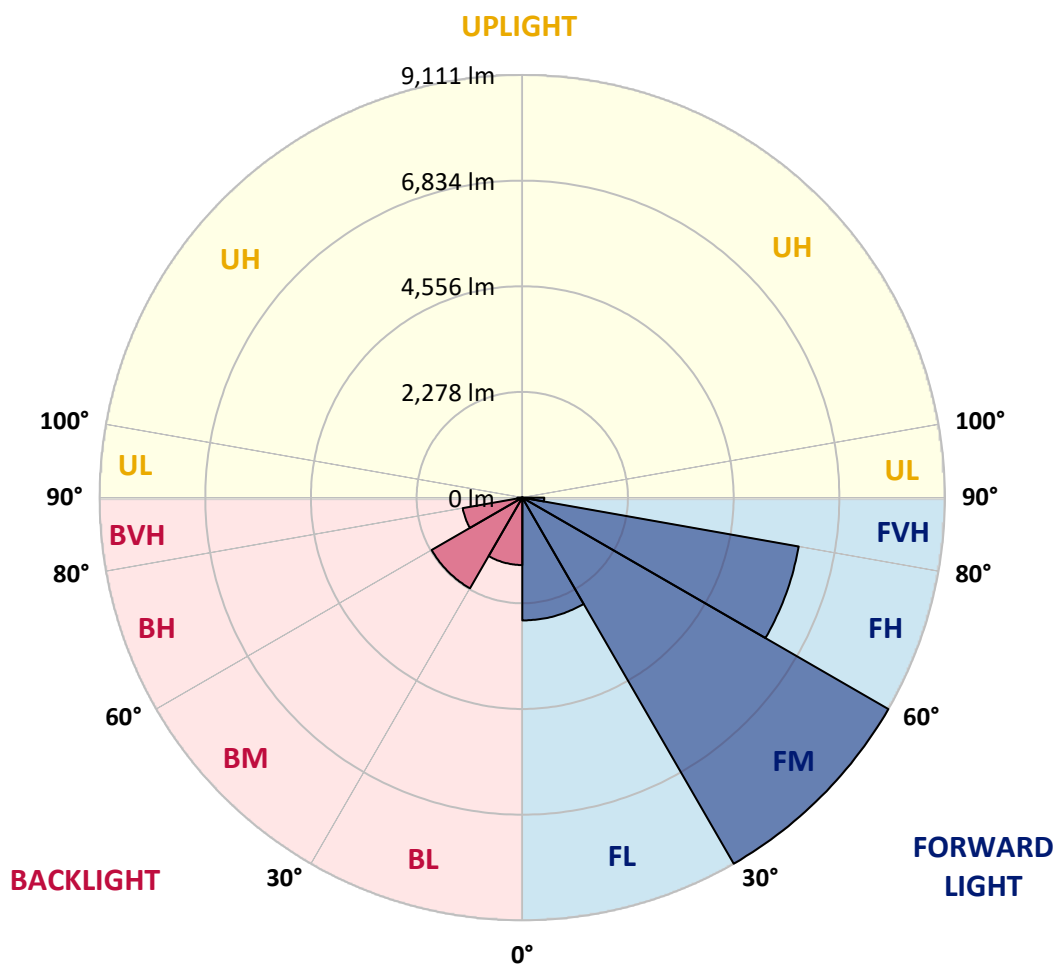
CATALOG NUMBER: GALN-SA8A-827-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2646.6	11.3			
FM (30°-60°)	9111.5	38.9			
FH (60°-80°)	6050.8	25.9			G3/7500
FVH (80°-90°)	472.5	2.0			G3/500
BL (0°-30°)	1452.7	6.2	B3/2500		
BM (30°-60°)	2257.0	9.6	B2/2500		
BH (60°-80°)	1303.3	5.6	B3/2500		G3/2500
BVH (80°-90°)	105.6	0.5			G2/225
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: P456846

CATALOG NUMBER: GALN-SA8A-827-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5
2.5°	6524.0	6499.3	6429.8	6247.6	6063.9	5877.1	5733.5	5554.5	5367.7	5267.3	5139.2
5°	6613.5	6585.7	6422.1	6011.4	5639.4	5248.8	4937.0	4663.7	4552.6	4388.9	4257.7
7.5°	6403.5	6391.2	6145.7	5556.0	5046.6	4535.6	4182.1	3962.8	3763.7	3689.6	3705.0
10°	6212.1	6162.7	5855.5	5085.2	4490.8	4075.5	3822.4	3607.8	3467.3	3430.2	3438.0
12.5°	6053.1	5986.7	5623.9	4768.7	4248.4	3916.5	3593.9	3370.0	3241.9	3277.4	3397.8
15°	6020.7	5931.1	5526.7	4660.6	4115.7	3688.1	3334.5	3076.7	2981.0	3058.2	3251.2
17.5°	6230.6	6117.9	5693.4	4696.1	3989.1	3454.9	3021.2	2726.3	2646.0	2769.5	3021.2
20°	6905.3	6738.5	6213.7	4901.5	3976.7	3339.2	2839.0	2542.6	2576.5	2811.2	3073.6
22.5°	8152.6	7902.5	7124.5	5200.9	4041.6	3309.8	2801.9	2647.6	2834.4	3033.5	3206.4
25°	8399.6	8203.6	7288.1	5268.9	4027.7	3289.8	2906.9	2984.1	3192.5	3291.3	3231.1
27.5°	8538.6	8314.7	7277.3	4932.3	3601.6	2984.1	2778.8	2906.9	2959.4	2863.7	2700.0
30°	8862.8	8629.7	7461.0	4578.8	2965.6	2213.8	1940.5	1888.0	1923.5	1942.1	1883.4
32.5°	9308.9	9078.9	7806.8	4347.2	2564.2	1830.9	1562.3	1488.2	1471.2	1451.1	1428.0
35°	9886.3	9532.8	8146.5	4199.0	2399.0	1693.5	1446.5	1389.4	1366.2	1338.4	1313.7
37.5°	10472.9	10102.4	8575.6	4043.1	2289.4	1597.8	1369.3	1343.1	1302.9	1273.6	1238.1
40°	11096.6	10681.3	8966.2	3907.3	2182.9	1536.0	1313.7	1310.7	1258.2	1224.2	1182.5
42.5°	11636.9	11209.3	9315.1	3823.9	2101.1	1471.2	1279.8	1289.0	1235.0	1184.1	1130.0
45°	12066.1	11646.2	9637.7	3823.9	2034.7	1406.4	1273.6	1267.4	1213.4	1150.1	1088.4
47.5°	12442.8	12009.0	9952.7	3921.2	1993.0	1352.3	1239.6	1250.5	1194.9	1114.6	1054.4
50°	12734.5	12351.7	10377.2	4072.5	1951.3	1309.1	1196.4	1255.1	1179.4	1096.1	1026.6
52.5°	13106.6	12763.9	10888.2	4279.3	1915.8	1261.3	1157.8	1255.1	1177.9	1097.6	1022.0
55°	13622.2	13261.0	11504.1	4450.7	1858.7	1216.5	1123.9	1219.6	1173.3	1089.9	1009.6
57.5°	13983.4	13713.3	11939.5	4564.9	1776.9	1159.4	1093.0	1185.6	1153.2	1060.6	972.6
58°	14000.4	13736.4	12002.8	4591.2	1756.8	1148.6	1085.3	1170.2	1143.9	1048.2	960.2
60°	13805.9	13579.0	12015.1	4554.1	1642.6	1094.5	1045.1	1106.9	1094.5	975.7	893.8
62.5°	13098.9	12856.5	11516.5	4253.1	1491.3	1028.1	983.4	1022.0	994.2	873.8	798.1
65°	12093.9	11647.7	10491.4	3780.7	1383.2	957.1	900.0	903.1	873.8	787.3	720.9
67.5°	10755.4	10256.8	8882.8	3186.3	1301.4	878.4	801.2	793.5	758.0	702.4	648.4
70°	9108.2	8767.0	7218.6	2592.0	1210.3	792.0	690.1	685.4	663.8	622.1	574.3
72.5°	7382.3	6948.5	5829.3	2074.8	1099.2	708.6	586.6	595.9	568.1	538.8	495.5
75°	5448.0	5163.9	4506.3	1664.2	949.4	617.5	489.4	492.5	480.1	449.2	415.3
77.5°	3587.7	3502.8	3223.4	1093.0	730.2	490.9	399.8	402.9	393.7	365.9	330.4
80°	2414.5	2357.3	2184.4	704.0	487.8	355.1	308.8	311.8	310.3	281.0	233.1
82.5°	1488.2	1463.5	1407.9	475.5	338.1	254.7	203.8	213.0	230.0	197.6	159.0
85°	702.4	704.0	850.6	259.4	199.1	163.6	111.2	118.9	118.9	118.9	89.5
87.5°	91.1	95.7	117.3	109.6	72.6	61.8	40.1	34.0	29.3	38.6	27.8
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: P456846

CATALOG NUMBER: GALN-SA8A-827-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5
2.5°	5094.4	5063.6	4997.2	4981.7	4972.5	4998.7	4929.2	4947.8	4916.9	5003.3	4989.5
5°	4265.4	4268.5	4322.5	4358.1	4370.4	4358.1	4311.7	4231.5	4169.7	4145.0	4151.2
7.5°	3675.7	3729.7	3822.4	3925.8	4020.0	4047.8	4021.5	3868.7	3702.0	3597.0	3563.0
10°	3479.6	3552.2	3658.7	3740.5	3823.9	3890.3	3904.2	3785.3	3587.7	3339.2	3241.9
12.5°	3490.5	3589.3	3691.1	3717.4	3709.7	3735.9	3723.6	3703.5	3573.8	3257.3	3095.3
15°	3388.6	3505.9	3576.9	3563.0	3538.3	3515.2	3482.7	3431.8	3385.5	3163.2	2984.1
17.5°	3153.9	3274.3	3333.0	3337.6	3337.6	3331.4	3252.7	3234.2	3228.0	3120.0	3010.3
20°	3197.1	3263.5	3237.3	3194.1	3206.4	3248.1	3201.8	3192.5	3228.0	3275.9	3255.8
22.5°	3221.8	3198.7	3001.1	2809.7	2766.4	2896.1	2922.3	3025.8	3169.4	3342.3	3454.9
25°	3069.0	2882.2	2528.7	2312.6	2190.6	2311.0	2468.5	2659.9	2874.5	3096.8	3228.0
27.5°	2565.7	2423.7	2170.5	1976.0	1869.5	1888.0	2022.3	2196.8	2395.9	2545.7	2641.4
30°	1932.8	1869.5	1738.3	1671.9	1607.1	1591.6	1648.7	1715.1	1803.1	1821.6	1846.3
32.5°	1423.4	1414.1	1421.8	1400.2	1387.8	1386.3	1369.3	1384.8	1394.0	1404.8	1383.2
35°	1287.5	1275.2	1253.5	1247.4	1239.6	1242.7	1235.0	1227.3	1233.5	1242.7	1248.9
37.5°	1218.0	1199.5	1168.6	1157.8	1157.8	1162.5	1150.1	1147.0	1157.8	1187.2	1202.6
40°	1164.0	1142.4	1106.9	1093.0	1102.2	1114.6	1097.6	1091.4	1117.7	1148.6	1173.3
42.5°	1113.1	1096.1	1062.1	1046.7	1054.4	1077.5	1052.8	1048.2	1082.2	1116.1	1145.5
45°	1069.8	1052.8	1022.0	1014.3	1017.3	1039.0	1022.0	1022.0	1054.4	1091.4	1117.7
47.5°	1035.9	1014.3	994.2	988.0	991.1	1003.4	1000.4	1000.4	1031.2	1069.8	1096.1
50°	1001.9	983.4	957.1	960.2	967.9	984.9	983.4	988.0	1018.9	1066.7	1094.5
52.5°	986.5	958.7	929.3	932.4	955.6	975.7	969.5	974.1	1009.6	1099.2	1139.3
55°	969.5	932.4	898.5	903.1	929.3	958.7	951.0	957.1	998.8	1120.8	1176.3
57.5°	937.1	893.8	856.8	859.9	898.5	929.3	917.0	924.7	974.1	1097.6	1156.3
58°	923.2	886.1	850.6	852.2	889.2	923.2	909.3	915.5	966.4	1091.4	1147.0
60°	864.5	842.9	812.0	813.6	849.1	878.4	870.7	876.9	926.3	1046.7	1088.4
62.5°	784.2	771.9	764.2	764.2	785.8	813.6	821.3	829.0	873.8	946.3	983.4
65°	697.8	697.8	699.3	699.3	713.2	748.7	753.4	773.4	815.1	850.6	878.4
67.5°	639.1	636.0	639.1	631.4	637.6	659.2	682.3	700.9	744.1	768.8	778.1
70°	563.5	561.9	563.5	552.7	560.4	578.9	594.3	625.2	670.0	688.5	693.2
72.5°	489.4	489.4	492.5	484.7	484.7	504.8	515.6	549.6	591.3	602.1	603.6
75°	412.2	416.8	416.8	406.0	409.1	421.4	435.3	463.1	501.7	509.4	509.4
77.5°	327.3	344.3	344.3	333.5	338.1	339.6	358.2	372.0	401.4	404.5	392.1
80°	237.7	254.7	268.6	259.4	267.1	257.8	268.6	277.9	307.2	293.3	273.2
82.5°	169.8	182.2	193.0	194.5	186.8	169.8	183.7	185.3	199.1	180.6	169.8
85°	94.2	105.0	118.9	112.7	100.3	89.5	94.2	97.3	95.7	91.1	84.9
87.5°	24.7	26.2	29.3	21.6	20.1	17.0	23.2	23.2	26.2	27.8	26.2
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: P456846
 CATALOG NUMBER: GALN-SA8A-827-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5
2.5°	5000.3	5068.2	5214.8	5326.0	5461.8	5627.0	5821.5	6017.6	6229.1	6295.5	6388.1
5°	4137.3	4307.1	4378.1	4580.4	4781.0	5082.1	5403.2	5775.2	6182.8	6378.8	6567.2
7.5°	3535.2	3626.3	3700.4	3848.6	4089.4	4455.3	4858.2	5322.9	5900.3	6185.9	6462.2
10°	3211.0	3220.3	3311.4	3495.1	3705.0	4027.7	4409.0	4929.2	5573.0	5920.3	6244.5
12.5°	2996.4	2956.3	3055.1	3246.5	3484.3	3782.2	4132.7	4628.2	5336.8	5693.4	6085.5
15°	2808.1	2744.8	2818.9	3015.0	3249.6	3600.1	3976.7	4501.6	5244.2	5659.4	6094.8
17.5°	2812.7	2638.3	2664.5	2829.7	3062.8	3419.4	3876.4	4497.0	5384.7	5863.2	6378.8
20°	3160.1	2880.7	2761.8	2792.7	3018.1	3407.1	3922.7	4713.1	5846.2	6544.0	7095.1
22.5°	3501.3	3333.0	3141.6	3078.3	3201.8	3609.3	4217.6	5224.1	6849.7	7901.0	8896.7
25°	3382.4	3526.0	3478.1	3388.6	3416.4	3754.4	4418.3	5644.0	7629.3	8813.4	9748.9
27.5°	2706.2	2967.1	3019.6	3018.1	3028.9	3306.7	3973.7	5361.5	7726.5	8987.8	9881.6
30°	1901.9	1925.1	1952.9	2006.9	2056.3	2304.8	3109.1	4706.9	7683.3	9066.5	9961.9
32.5°	1372.4	1403.3	1441.9	1516.0	1633.3	1949.8	2720.1	4498.5	7911.8	9392.3	10196.6
35°	1255.1	1290.6	1327.6	1412.5	1523.7	1817.0	2565.7	4412.1	8286.9	9920.2	10618.0
37.5°	1218.0	1258.2	1290.6	1352.3	1441.9	1721.3	2425.3	4353.4	8671.3	10479.1	11183.0
40°	1191.8	1238.1	1264.3	1313.7	1375.5	1633.3	2300.2	4307.1	9043.4	10990.1	11636.9
42.5°	1168.6	1216.5	1250.5	1286.0	1336.9	1554.6	2189.1	4260.8	9366.0	11485.6	12089.2
45°	1140.8	1201.0	1244.3	1272.1	1316.8	1488.2	2104.2	4223.7	9733.4	11925.6	12546.2
47.5°	1117.7	1184.1	1238.1	1270.5	1287.5	1441.9	2036.2	4274.7	10175.0	12385.6	12970.7
50°	1119.2	1182.5	1250.5	1301.4	1256.6	1403.3	1994.5	4476.9	10749.2	12932.1	13305.7
52.5°	1168.6	1245.8	1299.9	1312.2	1213.4	1357.0	1972.9	4830.4	11428.5	13415.3	13643.8
55°	1224.2	1304.5	1363.1	1355.4	1190.2	1298.3	1968.3	5207.1	12172.6	13978.8	14083.8
57.5°	1204.1	1321.5	1411.0	1370.9	1191.8	1241.2	1948.2	5511.2	12794.7	14400.2	14519.1
58°	1198.0	1315.3	1417.2	1367.8	1187.2	1224.2	1943.6	5537.5	12881.2	14429.6	14580.9
60°	1137.8	1261.3	1412.5	1344.6	1160.9	1177.9	1892.7	5622.4	12858.0	14278.3	14617.9
62.5°	1028.1	1130.0	1306.0	1231.9	1080.6	1116.1	1778.4	5517.4	12231.3	13549.6	14076.1
65°	904.6	980.3	1097.6	1083.7	966.4	1052.8	1622.5	5102.1	10976.2	12367.1	12921.3
67.5°	812.0	873.8	947.9	927.8	869.1	967.9	1454.2	4399.7	9568.3	10946.8	11644.6
70°	717.9	765.7	802.8	788.9	770.3	884.6	1304.5	3570.7	8219.0	9597.6	10273.8
72.5°	622.1	666.9	697.8	677.7	666.9	796.6	1182.5	2771.1	6491.5	7918.0	8787.1
75°	520.2	565.0	586.6	563.5	557.3	702.4	1001.9	2070.2	4870.6	6104.1	6854.3
77.5°	402.9	450.8	478.6	470.8	473.9	577.4	808.9	1417.2	3482.7	4160.4	4950.9
80°	282.5	335.0	353.5	345.8	367.4	440.0	571.2	900.0	2402.1	2700.0	3257.3
82.5°	174.4	223.8	226.9	234.7	250.1	325.7	430.7	548.0	1508.3	1559.2	1963.7
85°	88.0	106.5	114.2	126.6	140.5	199.1	245.5	339.6	971.0	734.8	1097.6
87.5°	29.3	30.9	37.1	46.3	57.1	81.8	105.0	138.9	240.8	132.8	339.6
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: P456846

CATALOG NUMBER: GALN-SA8A-827-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5	5872.5
2.5°	6574.9	6706.1	6801.8	6889.8	6804.9	6797.2	6713.8	6579.5	6524.0	6524.0
5°	6962.4	7269.6	7518.1	7677.1	7609.2	7445.6	7175.4	6831.2	6645.9	6613.5
7.5°	7068.9	7675.6	8137.2	8300.8	8186.6	7825.3	7308.2	6727.7	6462.2	6403.5
10°	7004.1	7792.9	8470.6	8730.0	8571.0	8024.5	7319.0	6607.3	6280.0	6212.1
12.5°	6936.1	7808.4	8532.4	8907.5	8804.1	8185.0	7397.7	6528.6	6150.4	6053.1
15°	6985.5	7814.5	8456.8	8844.2	8910.6	8378.0	7527.4	6585.7	6124.1	6020.7
17.5°	7297.4	7931.9	8348.7	8662.1	8895.2	8640.5	7896.4	6859.0	6358.8	6230.6
20°	7948.9	8212.8	8410.4	8652.8	9027.9	9176.1	8651.3	7609.2	7018.0	6905.3
22.5°	9835.3	9787.5	9383.0	9378.4	9921.8	10516.1	10480.6	9134.5	8245.3	8152.6
25°	10542.4	10320.1	9735.0	9593.0	9832.2	10749.2	10616.5	9446.3	8625.0	8399.6
27.5°	10266.0	9714.9	9330.5	9298.1	9219.4	10085.4	10405.0	9572.9	8757.8	8538.6
30°	10249.1	9438.6	8889.0	8953.8	9029.5	9856.9	10522.3	9969.6	9097.4	8862.8
32.5°	10290.7	9477.2	8921.4	8933.8	9159.2	9890.9	10652.0	10401.9	9543.6	9308.9
35°	10459.0	9696.4	9128.3	9099.0	9450.9	10113.2	10872.7	11081.2	10153.3	9886.3
37.5°	10730.7	10133.3	9506.5	9498.8	10009.8	10514.6	11147.5	11766.6	10760.0	10472.9
40°	11130.6	10644.3	10179.6	10137.9	10769.3	11167.6	11504.1	12496.8	11465.6	11096.6
42.5°	11613.8	11257.1	11067.3	11232.4	11839.1	11900.9	12059.9	13171.4	12066.1	11636.9
45°	12061.4	12044.5	12308.4	12746.9	13100.4	12729.9	12640.4	13623.7	12532.3	12066.1
47.5°	12594.0	13054.1	13850.7	14492.9	14863.4	13694.7	13135.9	13918.6	12871.9	12442.8
50°	13134.4	14262.9	15534.9	16430.3	16509.0	14743.0	13477.1	14196.5	13180.7	12734.5
52.5°	13702.5	15227.7	16921.2	17961.7	17808.9	15655.3	13807.4	14384.8	13498.7	13106.6
55°	14196.5	15819.0	17696.2	18695.0	18471.2	16211.1	14164.1	14588.6	13952.6	13622.2
57.5°	14472.8	15868.4	17503.2	18375.4	18133.1	16103.0	14327.7	14739.9	14242.8	13983.4
58°	14512.9	15802.0	17331.9	18190.2	17943.2	16011.9	14326.1	14733.7	14261.3	14000.4
60°	14477.4	15371.3	16694.3	17458.4	17199.1	15440.7	14267.5	14617.9	14026.7	13805.9
62.5°	14148.6	14624.1	15593.6	16149.3	16075.2	14548.5	14026.7	14181.0	13311.9	13098.9
65°	13716.4	13605.2	14184.1	14577.8	14633.4	13880.0	13787.4	13236.2	12394.9	12093.9
67.5°	13191.5	12450.5	12448.9	12672.8	12765.4	12851.9	13288.7	12209.6	11073.4	10755.4
70°	12300.7	10670.5	10179.6	10443.6	10366.4	11096.6	12398.0	10767.8	9480.3	9108.2
72.5°	10667.4	8467.6	7681.8	8021.4	7826.9	8702.2	10848.0	8861.2	7839.2	7382.3
75°	8646.6	6334.1	5523.6	5835.4	5715.0	6601.1	9026.4	6436.0	5622.4	5448.0
77.5°	6713.8	4589.6	4118.8	4075.5	4165.1	4912.3	6621.2	4345.7	3706.6	3587.7
80°	4313.3	3285.1	3312.9	3257.3	3303.7	3096.8	4020.0	2772.6	2510.2	2414.5
82.5°	2839.0	2289.4	2729.4	2519.4	2392.8	2082.5	2636.8	1815.5	1540.7	1488.2
85°	1934.3	1685.8	1534.5	1173.3	1381.7	1604.0	1977.6	977.2	775.0	702.4
87.5°	873.8	586.6	430.7	265.5	419.9	484.7	960.2	114.2	88.0	91.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)