

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: P458122

Luminaire Tested: **GALN-SA9C-730-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458122  
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-SA9C-730-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 1050mA 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: 50033 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

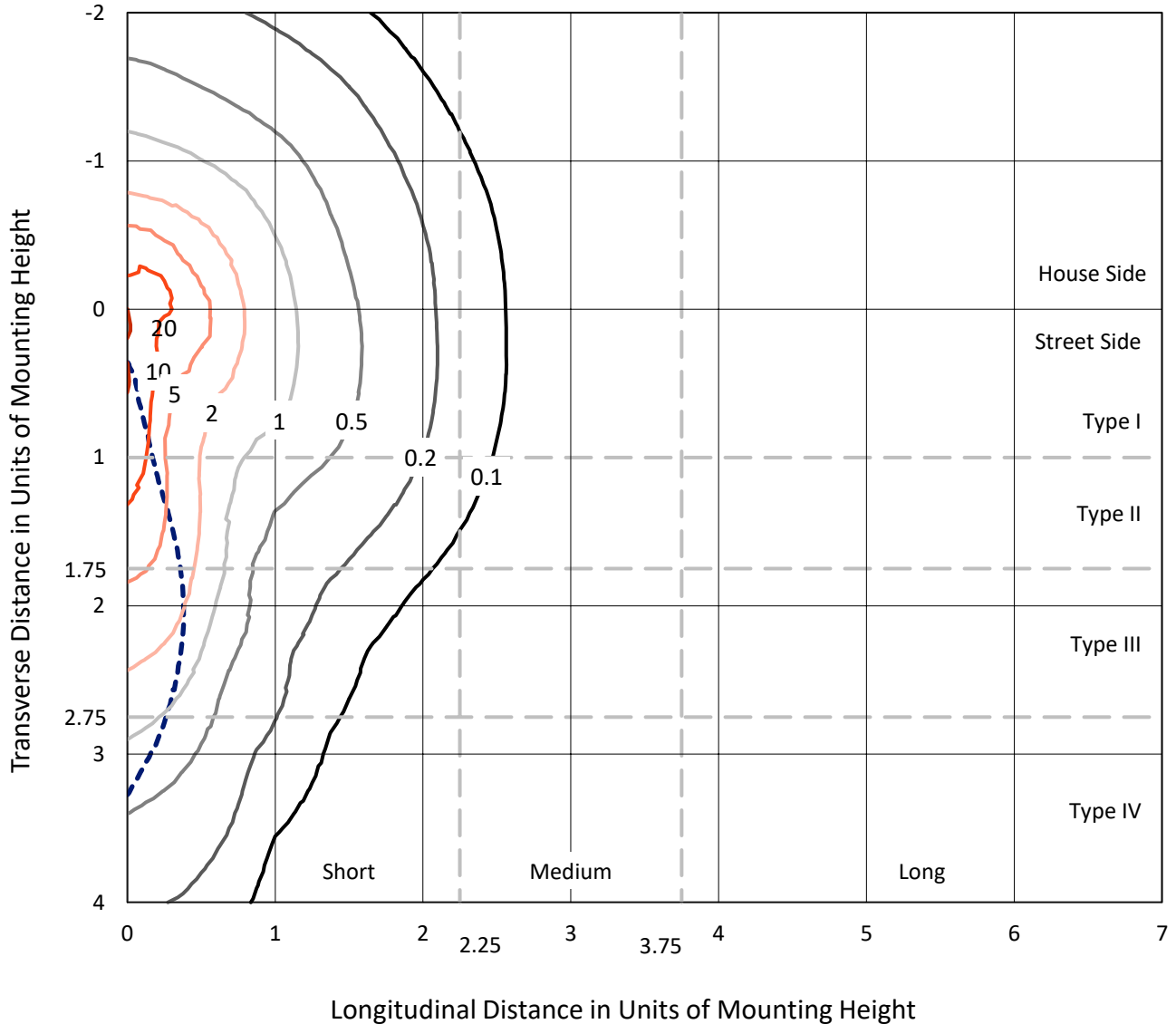




REPORT NUMBER: P458122  
 CATALOG NUMBER: GALN-SA9C-730-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

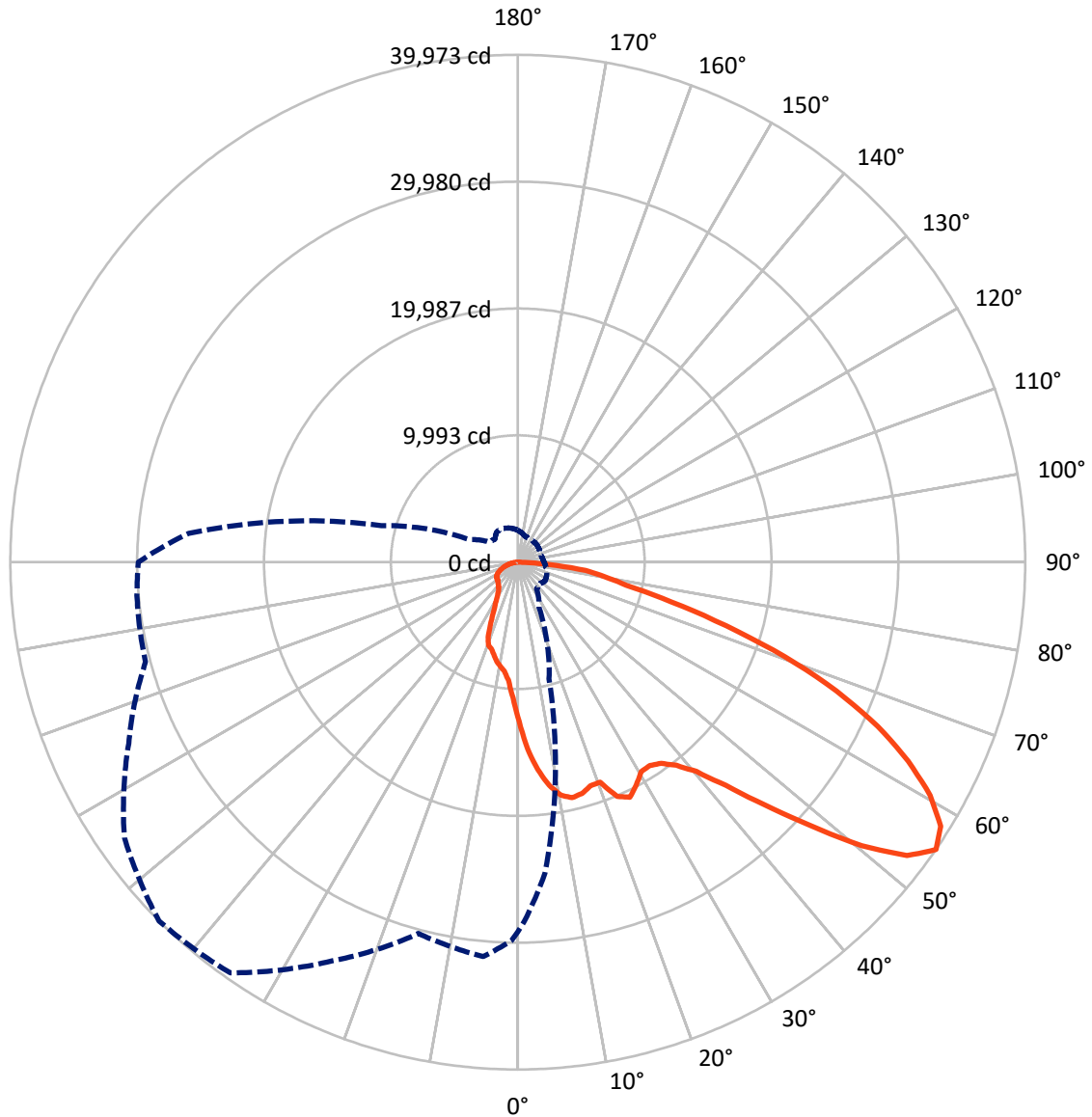
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P458122  
CATALOG NUMBER: GALN-SA9C-730-U-SLR

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P458122

CATALOG NUMBER: GALN-SA9C-730-U-SLR

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10944.5	0.0	10944.5
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	39088.5	0.0	39088.5
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	50033.0	0.0	50033.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1064.2	2.1
10°-20°	2823.3	5.6
20°-30°	4877.4	9.7
30°-40°	5668.3	11.3
40°-50°	7908.4	15.8
50°-60°	10730.9	21.4
60°-70°	10209.2	20.4
70°-80°	5515.3	11.0
80°-90°	1236.1	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°	50033.0	100.0
0°-180°	50033.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P458122

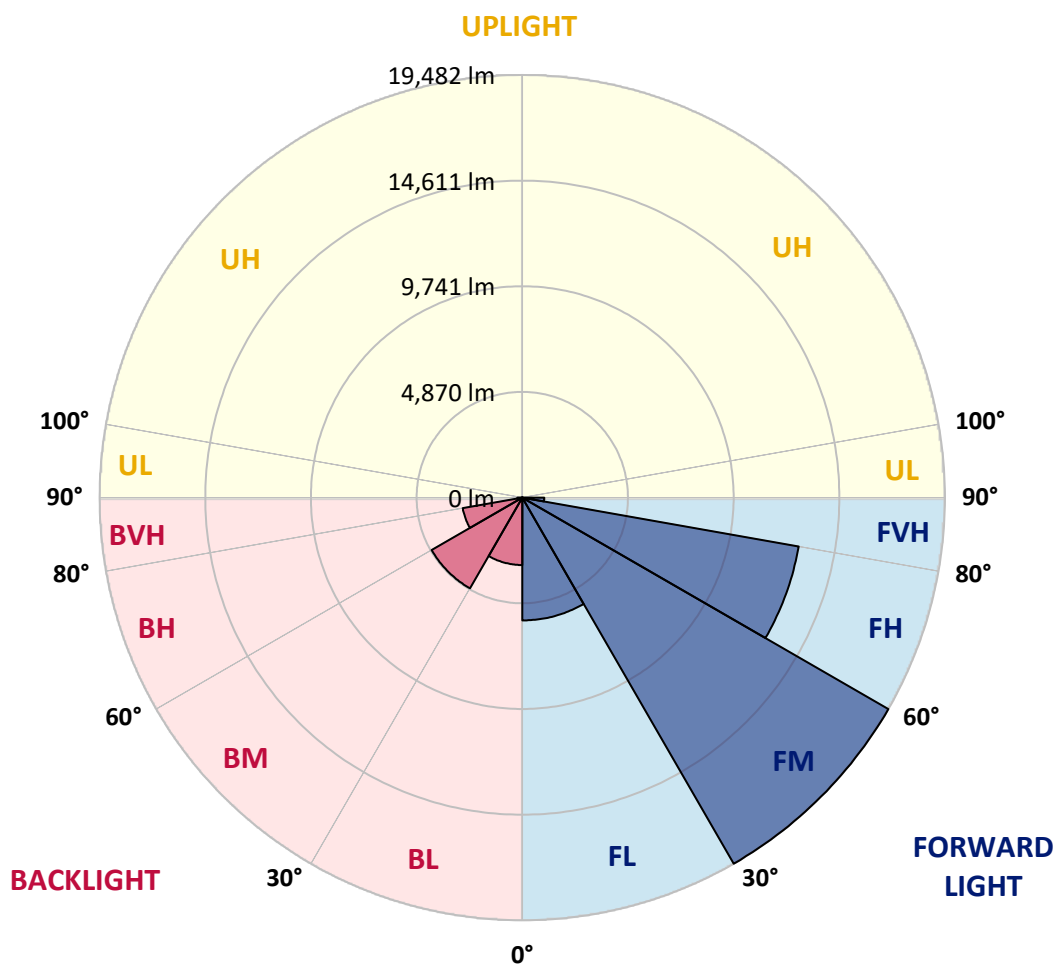
CATALOG NUMBER: GALN-SA9C-730-U-SLR

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5658.8	11.3			
FM	(30°-60°)	19481.8	38.9			
FH	(60°-80°)	12937.7	25.9			G5
FVH	(80°-90°)	1010.2	2.0			G5
BL	(0°-30°)	3106.1	6.2	B4/5000		
BM	(30°-60°)	4825.8	9.6	B3/5000		
BH	(60°-80°)	2786.7	5.6	B4/5000		G4/5000
BVH	(80°-90°)	225.9	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short





REPORT NUMBER: P458122

CATALOG NUMBER: GALN-SA9C-730-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3
2.5°	13949.3	13896.5	13747.9	13358.4	12965.6	12566.2	12259.3	11876.4	11477.0	11262.4	10988.4
5°	14140.7	14081.3	13731.4	12853.4	12057.9	11222.8	10556.0	9971.8	9734.1	9384.2	9103.7
7.5°	13691.8	13665.4	13140.6	11879.7	10790.4	9697.8	8941.9	8473.2	8047.4	7889.0	7922.0
10°	13282.5	13176.9	12520.0	10872.9	9602.1	8714.2	8172.8	7714.0	7413.6	7334.4	7350.9
12.5°	12942.5	12800.6	12024.9	10196.2	9083.9	8374.2	7684.3	7205.7	6931.7	7007.6	7265.1
15°	12873.2	12681.8	11816.9	9965.2	8800.0	7885.7	7129.8	6578.5	6373.9	6538.9	6951.5
17.5°	13322.1	13081.2	12173.4	10041.1	8529.3	7387.2	6459.7	5829.3	5657.6	5921.7	6459.7
20°	14764.6	14408.1	13285.8	10480.1	8502.9	7139.7	6070.2	5436.5	5509.1	6010.8	6571.9
22.5°	17431.6	16896.9	15233.3	11120.5	8641.6	7077.0	5991.0	5660.9	6060.3	6486.1	6855.8
25°	17959.8	17540.6	15583.2	11265.7	8611.8	7034.1	6215.4	6380.5	6826.1	7037.4	6908.6
27.5°	18256.8	17778.2	15560.1	10546.1	7700.8	6380.5	5941.5	6215.4	6327.7	6123.0	5773.1
30°	18950.0	18451.6	15952.9	9790.2	6340.9	4733.4	4149.1	4036.9	4112.8	4152.4	4027.0
32.5°	19904.0	19412.1	16692.3	9295.1	5482.7	3914.8	3340.4	3182.0	3145.7	3102.8	3053.3
35°	21138.5	20382.6	17418.4	8978.2	5129.5	3621.0	3092.9	2970.7	2921.2	2861.8	2809.0
37.5°	22392.8	21600.6	18336.1	8644.9	4895.1	3416.4	2927.8	2871.7	2785.9	2723.2	2647.3
40°	23726.3	22838.4	19171.2	8354.4	4667.4	3284.3	2809.0	2802.4	2690.2	2617.6	2528.4
42.5°	24881.6	23967.3	19917.2	8176.1	4492.4	3145.7	2736.4	2756.2	2640.7	2531.7	2416.2
45°	25799.2	24901.4	20607.0	8176.1	4350.5	3007.0	2723.2	2710.0	2594.4	2459.1	2327.1
47.5°	26604.6	25677.1	21280.4	8384.1	4261.4	2891.5	2650.6	2673.7	2554.8	2383.2	2254.5
50°	27228.5	26409.9	22188.1	8707.6	4172.2	2799.1	2558.1	2683.6	2521.8	2343.6	2195.0
52.5°	28024.0	27291.2	23280.7	9149.9	4096.3	2696.8	2475.6	2683.6	2518.5	2346.9	2185.1
55°	29126.5	28354.1	24597.7	9516.3	3974.2	2601.0	2403.0	2607.6	2508.6	2330.4	2158.7
57.5°	29898.8	29321.2	25528.6	9760.5	3799.2	2478.9	2337.0	2535.0	2465.7	2267.7	2079.5
58°	29935.2	29370.7	25663.9	9816.6	3756.3	2455.8	2320.5	2502.0	2445.9	2241.3	2053.1
60°	29519.3	29034.0	25690.3	9737.4	3512.1	2340.3	2234.7	2366.7	2340.3	2086.1	1911.2
62.5°	28007.5	27489.2	24624.1	9093.8	3188.6	2198.3	2102.6	2185.1	2125.7	1868.3	1706.5
65°	25858.6	24904.7	22432.4	8083.7	2957.5	2046.5	1924.4	1931.0	1868.3	1683.4	1541.5
67.5°	22996.8	21930.7	18992.9	6812.9	2782.6	1878.2	1713.1	1696.6	1620.7	1501.9	1386.3
70°	19474.9	18745.4	15434.6	5542.1	2587.8	1693.3	1475.5	1465.6	1419.4	1330.2	1227.9
72.5°	15784.5	14857.0	12463.9	4436.3	2350.2	1515.1	1254.3	1274.1	1214.7	1152.0	1059.6
75°	11648.6	11041.3	9635.1	3558.3	2030.0	1320.3	1046.4	1053.0	1026.6	960.5	887.9
77.5°	7671.1	7489.6	6892.1	2337.0	1561.3	1049.7	854.9	861.5	841.7	782.3	706.4
80°	5162.5	5040.4	4670.7	1505.2	1043.1	759.2	660.2	666.8	663.5	600.7	498.4
82.5°	3182.0	3129.2	3010.4	1016.7	722.9	544.6	435.7	455.5	491.8	422.5	340.0
85°	1501.9	1505.2	1818.8	554.5	425.8	349.9	237.7	254.2	254.2	254.2	191.4
87.5°	194.7	204.7	250.9	234.4	155.1	132.0	85.8	72.6	62.7	82.5	59.4
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: P458122

CATALOG NUMBER: GALN-SA9C-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3
2.5°	10892.7	10826.7	10684.8	10651.8	10631.9	10688.1	10539.5	10579.1	10513.1	10698.0	10668.3
5°	9120.2	9126.8	9242.3	9318.2	9344.6	9318.2	9219.2	9047.6	8915.5	8862.7	8875.9
7.5°	7859.3	7974.8	8172.8	8394.0	8595.3	8654.8	8598.6	8271.9	7915.4	7690.9	7618.3
10°	7440.1	7595.2	7822.9	7997.9	8176.1	8318.1	8347.8	8093.6	7671.1	7139.7	6931.7
12.5°	7463.2	7674.4	7892.3	7948.4	7931.9	7988.0	7961.6	7918.7	7641.4	6964.7	6618.1
15°	7245.3	7496.2	7648.0	7618.3	7565.5	7516.0	7446.7	7337.7	7238.7	6763.4	6380.5
17.5°	6743.6	7001.0	7126.5	7136.4	7136.4	7123.2	6954.8	6915.2	6902.0	6671.0	6436.6
20°	6836.0	6977.9	6921.8	6829.4	6855.8	6944.9	6845.9	6826.1	6902.0	7004.3	6961.4
22.5°	6888.8	6839.3	6416.8	6007.5	5915.1	6192.3	6248.5	6469.6	6776.6	7146.3	7387.2
25°	6562.0	6162.6	5406.7	4944.6	4683.9	4941.3	5278.0	5687.3	6146.1	6621.4	6902.0
27.5°	5486.0	5182.3	4641.0	4225.1	3997.3	4036.9	4324.1	4697.1	5122.9	5443.1	5647.7
30°	4132.6	3997.3	3716.7	3574.8	3436.2	3403.1	3525.3	3667.2	3855.4	3895.0	3947.8
32.5°	3043.4	3023.6	3040.1	2993.8	2967.4	2964.1	2927.8	2960.8	2980.6	3003.7	2957.5
35°	2752.9	2726.5	2680.3	2667.1	2650.6	2657.2	2640.7	2624.2	2637.4	2657.2	2670.4
37.5°	2604.3	2564.7	2498.7	2475.6	2475.6	2485.5	2459.1	2452.5	2475.6	2538.3	2571.3
40°	2488.8	2442.6	2366.7	2337.0	2356.8	2383.2	2346.9	2333.7	2389.8	2455.8	2508.6
42.5°	2379.9	2343.6	2271.0	2238.0	2254.5	2304.0	2251.2	2241.3	2313.9	2386.5	2449.2
45°	2287.5	2251.2	2185.1	2168.6	2175.2	2221.5	2185.1	2185.1	2254.5	2333.7	2389.8
47.5°	2214.9	2168.6	2125.7	2112.5	2119.1	2145.5	2138.9	2138.9	2204.9	2287.5	2343.6
50°	2142.2	2102.6	2046.5	2053.1	2069.6	2105.9	2102.6	2112.5	2178.5	2280.9	2340.3
52.5°	2109.2	2049.8	1987.1	1993.7	2043.2	2086.1	2072.9	2082.8	2158.7	2350.2	2436.0
55°	2072.9	1993.7	1921.1	1931.0	1987.1	2049.8	2033.3	2046.5	2135.6	2396.4	2515.2
57.5°	2003.6	1911.2	1832.0	1838.6	1921.1	1987.1	1960.7	1977.2	2082.8	2346.9	2472.3
58°	1973.9	1894.7	1818.8	1822.1	1901.3	1973.9	1944.2	1957.4	2066.3	2333.7	2452.5
60°	1848.5	1802.2	1736.2	1739.5	1815.5	1878.2	1861.7	1874.9	1980.5	2238.0	2327.1
62.5°	1676.8	1650.4	1633.9	1633.9	1680.1	1739.5	1756.0	1772.5	1868.3	2023.4	2102.6
65°	1492.0	1492.0	1495.3	1495.3	1525.0	1600.9	1610.8	1653.7	1742.8	1818.8	1878.2
67.5°	1366.5	1359.9	1366.5	1350.0	1363.2	1409.5	1459.0	1498.6	1591.0	1643.8	1663.6
70°	1204.8	1201.5	1204.8	1181.7	1198.2	1237.8	1270.8	1336.8	1432.6	1472.2	1482.1
72.5°	1046.4	1046.4	1053.0	1036.5	1036.5	1079.4	1102.5	1175.1	1264.2	1287.3	1290.6
75°	881.3	891.2	891.2	868.1	874.7	901.1	930.8	990.2	1072.8	1089.3	1089.3
77.5°	699.8	736.1	736.1	713.0	722.9	726.2	765.8	795.5	858.2	864.8	838.4
80°	508.3	544.6	574.3	554.5	571.0	551.2	574.3	594.1	656.9	627.2	584.2
82.5°	363.1	389.5	412.6	415.9	399.4	363.1	392.8	396.1	425.8	386.2	363.1
85°	201.4	224.5	254.2	241.0	214.6	191.4	201.4	208.0	204.7	194.7	181.5
87.5°	52.8	56.1	62.7	46.2	42.9	36.3	49.5	49.5	56.1	59.4	56.1
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: P458122

CATALOG NUMBER: GALN-SA9C-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3
2.5°	10691.4	10836.6	11150.2	11387.8	11678.3	12031.5	12447.4	12866.6	13318.8	13460.8	13658.8
5°	8846.2	9209.3	9361.1	9793.5	10222.6	10866.3	11552.9	12348.4	13219.8	13639.0	14041.7
7.5°	7558.9	7753.6	7912.1	8229.0	8743.9	9526.2	10387.7	11381.2	12615.7	13226.4	13817.2
10°	6865.7	6885.5	7080.3	7473.1	7922.0	8611.8	9427.1	10539.5	11916.0	12658.7	13351.8
12.5°	6406.9	6321.1	6532.3	6941.6	7450.0	8087.0	8836.3	9895.9	11410.9	12173.4	13011.8
15°	6004.2	5868.9	6027.3	6446.5	6948.2	7697.5	8502.9	9625.2	11212.9	12100.8	13031.6
17.5°	6014.1	5641.1	5697.2	6050.4	6548.8	7311.3	8288.4	9615.3	11513.3	12536.5	13639.0
20°	6756.8	6159.3	5905.2	5971.2	6453.1	7284.9	8387.4	10077.4	12500.2	13992.2	15170.6
22.5°	7486.3	7126.5	6717.2	6581.8	6845.9	7717.3	9017.8	11170.0	14645.7	16893.6	19022.6
25°	7232.1	7539.1	7436.8	7245.3	7304.7	8027.6	9447.0	12067.8	16312.7	18844.4	20844.7
27.5°	5786.3	6344.2	6456.4	6453.1	6476.2	7070.4	8496.3	11463.8	16520.6	19217.4	21128.6
30°	4066.6	4116.1	4175.5	4291.1	4396.7	4928.1	6647.9	10064.2	16428.2	19385.7	21300.2
32.5°	2934.4	3000.4	3083.0	3241.4	3492.3	4168.9	5816.0	9618.6	16916.7	20082.2	21801.9
35°	2683.6	2759.5	2838.7	3020.3	3257.9	3885.1	5486.0	9433.8	17718.8	21211.1	22703.1
37.5°	2604.3	2690.2	2759.5	2891.5	3083.0	3680.4	5185.6	9308.3	18540.7	22406.0	23911.2
40°	2548.2	2647.3	2703.4	2809.0	2941.0	3492.3	4918.2	9209.3	19336.2	23498.6	24881.6
42.5°	2498.7	2601.0	2673.7	2749.6	2858.5	3323.9	4680.6	9110.3	20026.1	24558.1	25848.7
45°	2439.3	2568.0	2660.5	2719.9	2815.6	3182.0	4499.0	9031.1	20811.7	25498.9	26825.8
47.5°	2389.8	2531.7	2647.3	2716.6	2752.9	3083.0	4353.8	9140.0	21755.7	26482.5	27733.5
50°	2393.1	2528.4	2673.7	2782.6	2686.9	3000.4	4264.7	9572.4	22983.6	27651.0	28449.8
52.5°	2498.7	2663.8	2779.3	2805.7	2594.4	2901.4	4218.5	10328.3	24436.0	28684.1	29172.7
55°	2617.6	2789.2	2914.6	2898.1	2544.9	2776.0	4208.5	11133.7	26027.0	29888.9	30113.4
57.5°	2574.6	2825.5	3017.0	2931.1	2548.2	2653.9	4165.6	11783.9	27357.2	30790.1	31044.2
58°	2561.4	2812.3	3030.2	2924.5	2538.3	2617.6	4155.7	11840.1	27542.1	30852.8	31176.3
60°	2432.7	2696.8	3020.3	2875.0	2482.2	2518.5	4046.8	12021.6	27492.6	30529.3	31255.5
62.5°	2198.3	2416.2	2792.5	2634.1	2310.6	2386.5	3802.5	11797.1	26152.4	28971.3	30096.9
65°	1934.3	2096.0	2346.9	2317.2	2066.3	2251.2	3469.2	10909.2	23468.8	26442.9	27627.9
67.5°	1736.2	1868.3	2026.7	1983.8	1858.4	2069.6	3109.4	9407.3	20458.5	23406.1	24898.1
70°	1534.9	1637.2	1716.4	1686.7	1647.1	1891.4	2789.2	7634.8	17573.6	20521.2	21967.0
72.5°	1330.2	1426.0	1492.0	1449.1	1426.0	1703.2	2528.4	5925.0	13880.0	16929.9	18788.3
75°	1112.4	1208.1	1254.3	1204.8	1191.6	1501.9	2142.2	4426.4	10414.1	13051.5	14655.7
77.5°	861.5	963.8	1023.3	1006.8	1013.4	1234.5	1729.6	3030.2	7446.7	8895.7	10585.7
80°	604.1	716.3	755.9	739.4	785.6	940.7	1221.3	1924.4	5136.1	5773.1	6964.7
82.5°	373.0	478.6	485.2	501.7	534.7	696.5	920.9	1171.8	3224.9	3333.8	4198.6
85°	188.1	227.8	244.3	270.7	300.4	425.8	524.8	726.2	2076.2	1571.2	2346.9
87.5°	62.7	66.0	79.2	99.0	122.1	174.9	224.5	297.1	514.9	283.9	726.2
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: P458122

CATALOG NUMBER: GALN-SA9C-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3	12556.3
2.5°	14058.2	14338.8	14543.4	14731.6	14550.0	14533.5	14355.3	14068.1	13949.3	13949.3
5°	14886.7	15543.6	16075.0	16415.0	16269.8	15919.9	15342.2	14606.1	14210.0	14140.7
7.5°	15114.5	16411.7	17398.6	17748.5	17504.3	16731.9	15626.1	14385.0	13817.2	13691.8
10°	14975.8	16662.6	18111.6	18666.2	18326.2	17157.7	15649.2	14127.5	13427.7	13282.5
12.5°	14830.6	16695.6	18243.6	19045.7	18824.6	17501.0	15817.5	13959.2	13150.5	12942.5
15°	14936.2	16708.8	18081.9	18910.4	19052.3	17913.6	16094.8	14081.3	13094.4	12873.2
17.5°	15603.0	16959.6	17850.8	18520.9	19019.3	18474.7	16883.7	14665.6	13596.1	13322.1
20°	16995.9	17560.4	17982.9	18501.1	19303.2	19620.1	18497.8	16269.8	15005.5	14764.6
22.5°	21029.5	20927.2	20062.4	20052.5	21214.4	22485.2	22409.3	19531.0	17629.7	17431.6
25°	22541.3	22066.0	20815.0	20511.3	21022.9	22983.6	22699.8	20197.7	18441.7	17959.8
27.5°	21950.5	20772.1	19950.2	19880.9	19712.5	21564.3	22247.5	20468.4	18725.6	18256.8
30°	21914.2	20181.2	19006.1	19144.8	19306.5	21075.8	22498.4	21316.7	19451.7	18950.0
32.5°	22003.3	20263.7	19075.5	19101.9	19583.8	21148.4	22775.7	22240.9	20405.7	19904.0
35°	22363.1	20732.5	19517.8	19455.0	20207.6	21623.7	23247.7	23693.3	21709.5	21138.5
37.5°	22944.0	21666.6	20326.5	20310.0	21402.5	22481.9	23835.2	25158.9	23006.7	22392.8
40°	23798.9	22759.2	21765.6	21676.5	23026.5	23878.1	24597.7	26720.2	24515.2	23726.3
42.5°	24832.1	24069.6	23663.6	24016.8	25314.0	25446.0	25786.0	28162.6	25799.2	24881.6
45°	25789.3	25753.0	26317.5	27254.9	28010.8	27218.6	27027.1	29129.8	26796.1	25799.2
47.5°	26928.1	27911.8	29615.0	30988.1	31780.3	29281.6	28086.7	29760.2	27522.3	26604.6
50°	28083.4	30496.3	33216.2	35130.7	35299.0	31522.9	28816.2	30354.4	28182.4	27228.5
52.5°	29298.1	32559.3	36180.3	38405.1	38078.3	33473.6	29522.6	30757.1	28862.4	28024.0
55°	30354.4	33823.5	37837.3	39973.0	39494.3	34661.9	30285.0	31192.8	29832.8	29126.5
57.5°	30945.2	33929.2	37424.7	39289.7	38771.5	34430.9	30634.9	31516.3	30453.4	29898.8
58°	31031.0	33787.2	37058.3	38893.6	38365.5	34236.1	30631.6	31503.0	30493.0	29935.2
60°	30955.1	32866.3	35695.1	37329.0	36774.5	33014.8	30506.2	31255.5	29991.3	29519.3
62.5°	30252.0	31268.7	33341.6	34529.9	34371.5	31107.0	29991.3	30321.4	28463.0	28007.5
65°	29327.8	29090.1	30328.0	31169.7	31288.5	29677.7	29479.6	28301.3	26502.3	25858.6
67.5°	28205.5	26621.1	26617.8	27096.5	27294.5	27479.3	28413.5	26106.2	23676.8	22996.8
70°	26301.0	22815.3	21765.6	22330.1	22165.0	23726.3	26508.9	23023.2	20270.4	19474.9
72.5°	22808.7	18105.0	16424.9	17151.1	16735.2	18606.7	23194.9	18946.7	16761.6	15784.5
75°	18487.9	13543.3	11810.3	12477.1	12219.6	14114.3	19299.9	13761.1	12021.6	11648.6
77.5°	14355.3	9813.3	8806.6	8714.2	8905.6	10503.2	14157.2	9291.8	7925.3	7671.1
80°	9222.5	7024.2	7083.6	6964.7	7063.8	6621.4	8595.3	5928.3	5367.1	5162.5
82.5°	6070.2	4895.1	5835.9	5386.9	5116.3	4452.8	5637.8	3881.8	3294.2	3182.0
85°	4135.9	3604.5	3281.0	2508.6	2954.2	3429.6	4228.4	2089.4	1657.0	1501.9
87.5°	1868.3	1254.3	920.9	567.7	897.8	1036.5	2053.1	244.3	188.1	194.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)