

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: P458499

Luminaire Tested: **GALN-SA9D-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458499
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-SA9D-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1200mA 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: 48037 lumens
Efficiency: N/A
Efficacy: 87.0 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): 552
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



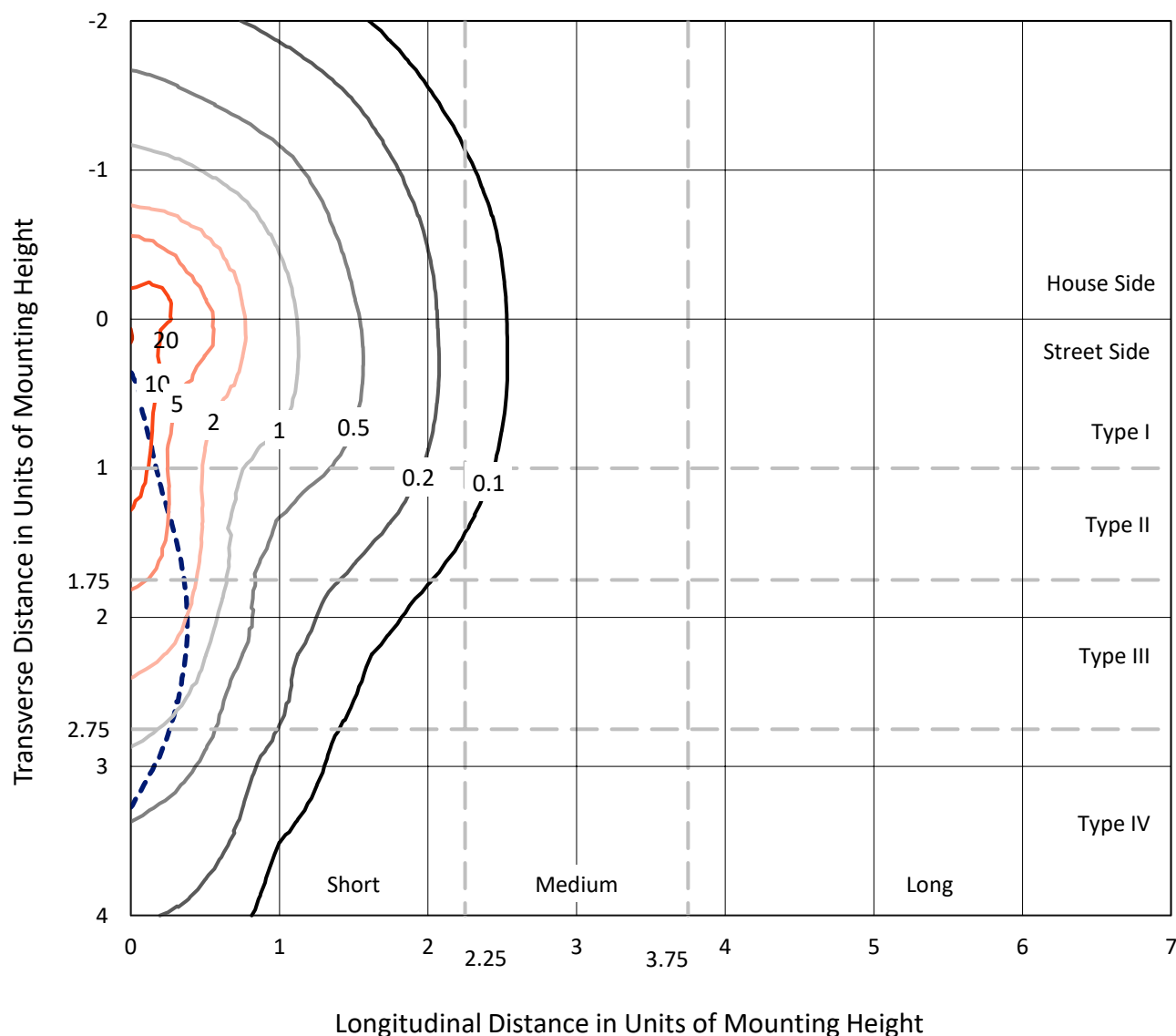
REPORT NUMBER: P458499

CATALOG NUMBER: GALN-SA9D-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



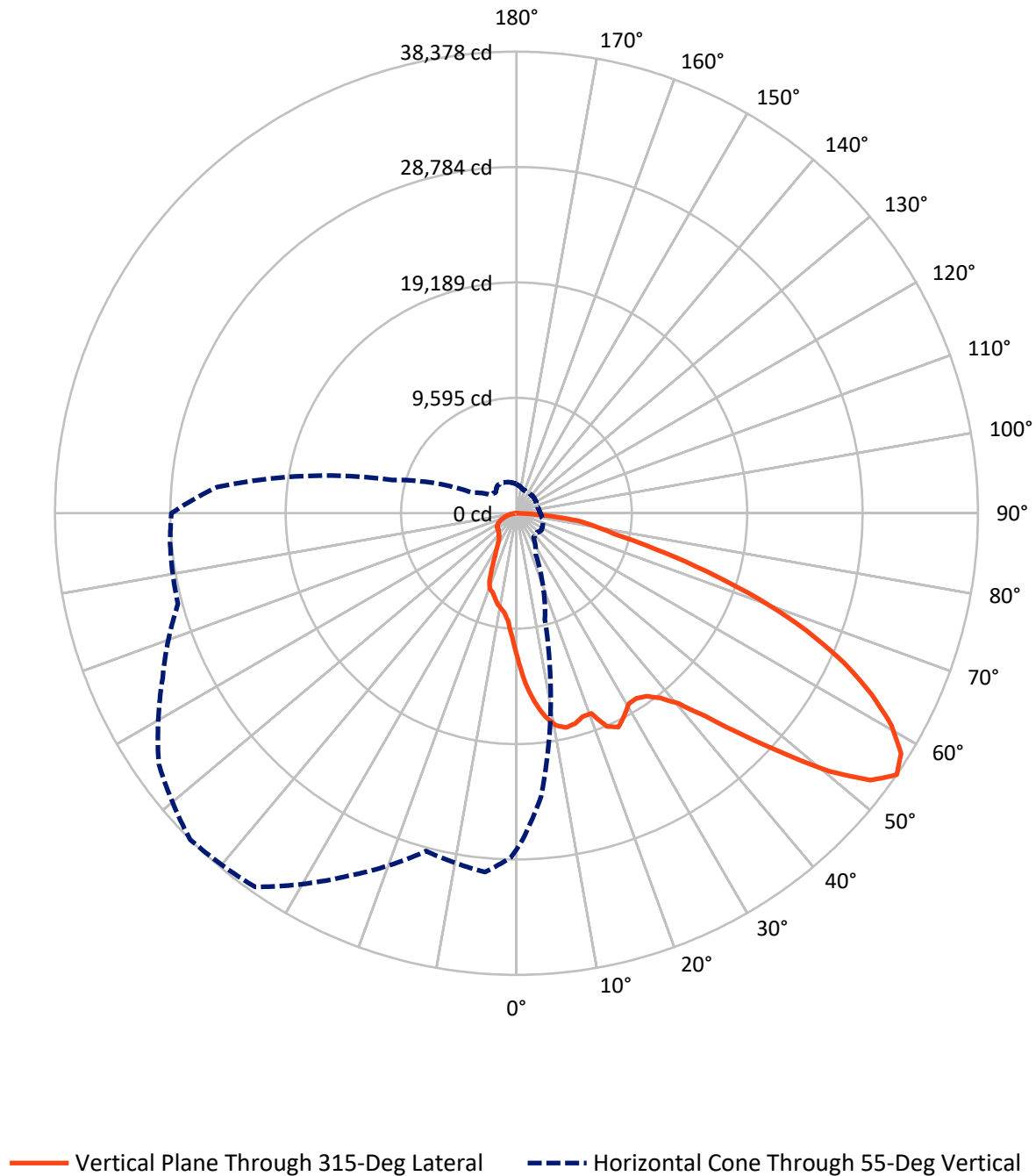
Based on 25 foot mounting height. Maximum calculated value = 20.7 fc

Type IV - Short - N/A

REPORT NUMBER: P458499

CATALOG NUMBER: GALN-SA9D-830-U-SLR

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10507.9	0.0	10507.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	37529.1	0.0	37529.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	48037.0	0.0	48037.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1021.7	2.1
10°-20°	2710.7	5.6
20°-30°	4682.8	9.7
30°-40°	5442.2	11.3
40°-50°	7592.9	15.8
50°-60°	10302.8	21.4
60°-70°	9801.9	20.4
70°-80°	5295.2	11.0
80°-90°	1186.7	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°	48037.0	100.0
0°-180°	48037.0	100.0

Coefficient of Utilization



REPORT NUMBER: P458499

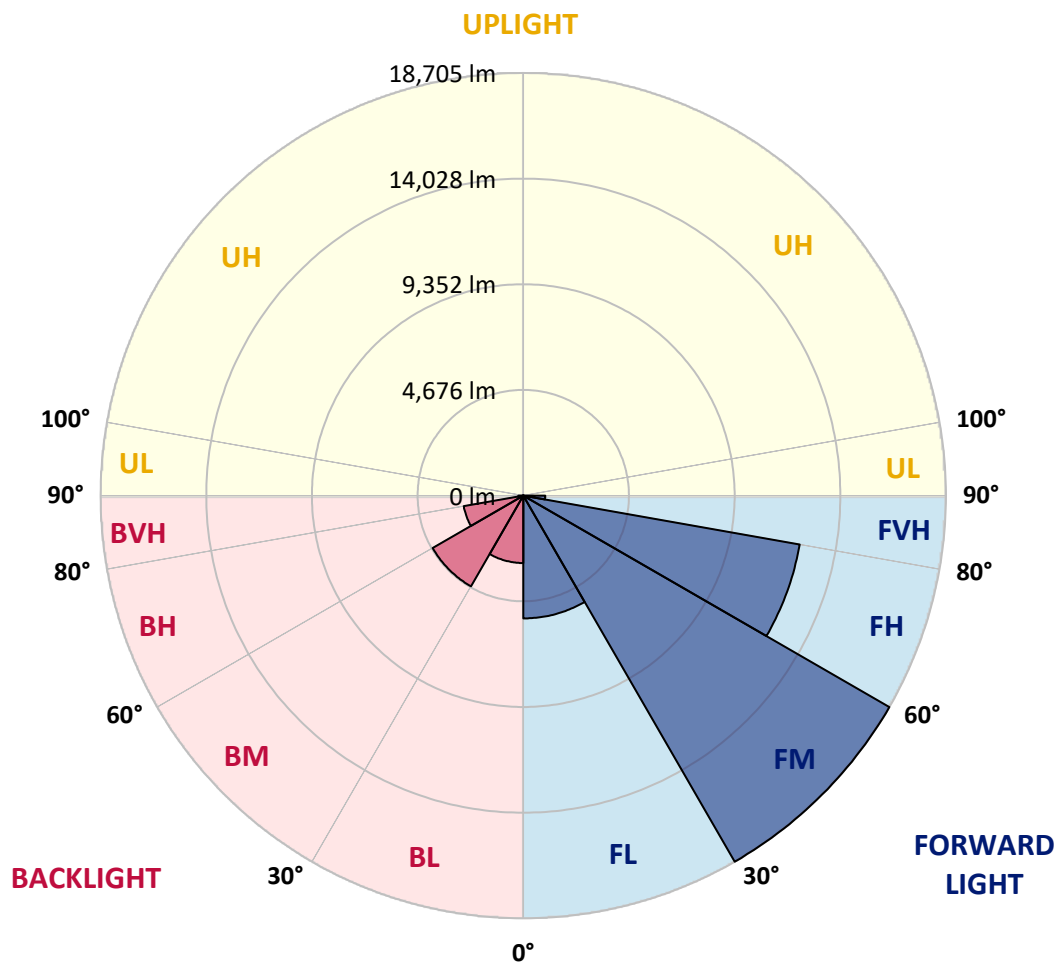
CATALOG NUMBER: GALN-SA9D-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5433.1	11.3			
FM	(30°-60°)	18704.6	38.9			
FH	(60°-80°)	12421.6	25.9			G5
FVH	(80°-90°)	969.9	2.0			G5
BL	(0°-30°)	2982.2	6.2	B4/5000		
BM	(30°-60°)	4633.3	9.6	B3/5000		
BH	(60°-80°)	2675.6	5.6	B4/5000		G4/5000
BVH	(80°-90°)	216.9	0.5			G2/225
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: P458499

CATALOG NUMBER: GALN-SA9D-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4
2.5°	13392.8	13342.1	13199.5	12825.5	12448.4	12064.9	11770.2	11402.6	11019.1	10813.1	10550.1
5°	13576.6	13519.6	13183.6	12340.6	11576.9	10775.1	10134.9	9574.0	9345.8	9009.9	8740.5
7.5°	13145.6	13120.2	12616.3	11405.7	10359.9	9310.9	8585.2	8135.2	7726.4	7574.2	7605.9
10°	12752.6	12651.2	12020.6	10439.1	9219.0	8366.5	7846.8	7406.3	7117.9	7041.8	7057.7
12.5°	12426.2	12289.9	11545.2	9789.5	8721.5	8040.1	7377.8	6918.2	6655.2	6728.1	6975.3
15°	12359.6	12175.8	11345.5	9567.6	8448.9	7571.1	6845.3	6316.1	6119.6	6278.1	6674.2
17.5°	12790.7	12559.3	11687.8	9640.5	8189.1	7092.5	6202.0	5596.7	5431.9	5685.4	6202.0
20°	14175.6	13833.3	12755.8	10062.0	8163.7	6854.9	5828.0	5219.6	5289.3	5771.0	6309.8
22.5°	16736.2	16222.8	14625.6	10676.8	8296.8	6794.6	5752.0	5435.1	5818.5	6227.4	6582.3
25°	17243.3	16840.8	14961.5	10816.3	8268.3	6753.4	5967.5	6125.9	6553.8	6756.6	6633.0
27.5°	17528.5	17069.0	14939.3	10125.4	7393.6	6125.9	5704.5	5967.5	6075.2	5878.8	5542.8
30°	18194.0	17715.5	15316.5	9399.7	6087.9	4544.5	3983.6	3875.9	3948.7	3986.8	3866.4
32.5°	19109.9	18637.7	16026.3	8924.3	5263.9	3758.6	3207.2	3055.1	3020.2	2979.0	2931.5
35°	20295.2	19569.4	16723.6	8620.1	4924.8	3476.5	2969.5	2852.2	2804.7	2747.6	2696.9
37.5°	21499.4	20738.9	17604.6	8300.0	4699.8	3280.1	2811.0	2757.2	2674.8	2614.5	2541.7
40°	22779.8	21927.3	18406.4	8021.1	4481.2	3153.3	2696.9	2690.6	2582.8	2513.1	2427.6
42.5°	23889.0	23011.1	19122.6	7850.0	4313.2	3020.2	2627.2	2646.2	2535.3	2430.7	2319.8
45°	24770.0	23908.0	19784.9	7850.0	4176.9	2887.1	2614.5	2601.9	2490.9	2361.0	2234.2
47.5°	25543.3	24652.7	20431.4	8049.6	4091.4	2776.2	2544.8	2567.0	2452.9	2288.1	2164.5
50°	26142.2	25356.3	21303.0	8360.2	4005.8	2687.4	2456.1	2576.5	2421.2	2250.1	2107.5
52.5°	26906.0	26202.5	22351.9	8784.9	3932.9	2589.2	2376.9	2576.5	2418.1	2253.3	2098.0
55°	27964.5	27222.9	23616.4	9136.6	3815.6	2497.3	2307.1	2503.6	2408.5	2237.4	2072.6
57.5°	28706.1	28151.5	24510.1	9371.1	3647.7	2380.0	2243.8	2433.9	2367.3	2177.2	1996.6
58°	28740.9	28199.0	24640.1	9425.0	3606.5	2357.8	2227.9	2402.2	2348.3	2151.8	1971.2
60°	28341.6	27875.8	24665.4	9349.0	3372.0	2246.9	2145.5	2272.3	2246.9	2002.9	1834.9
62.5°	26890.2	26392.6	23641.8	8731.0	3061.4	2110.6	2018.7	2098.0	2040.9	1793.7	1638.4
65°	24827.0	23911.2	21537.5	7761.2	2839.5	1964.9	1847.6	1853.9	1793.7	1616.3	1480.0
67.5°	22079.4	21055.8	18235.2	6541.1	2671.6	1803.2	1644.8	1628.9	1556.0	1442.0	1331.0
70°	18697.9	17997.5	14818.9	5321.0	2484.6	1625.8	1416.6	1407.1	1362.7	1277.2	1178.9
72.5°	15154.8	14264.3	11966.7	4259.3	2256.4	1454.6	1204.3	1223.3	1166.2	1106.0	1017.3
75°	11183.9	10600.8	9250.7	3416.3	1949.0	1267.7	1004.6	1011.0	985.6	922.2	852.5
77.5°	7365.1	7190.8	6617.2	2243.8	1499.0	1007.8	820.8	827.1	808.1	751.1	678.2
80°	4956.5	4839.3	4484.3	1445.1	1001.4	728.9	633.8	640.2	637.0	576.8	478.5
82.5°	3055.1	3004.3	2890.3	976.1	694.0	522.9	418.3	437.3	472.2	405.6	326.4
85°	1442.0	1445.1	1746.2	532.4	408.8	335.9	228.2	244.0	244.0	244.0	183.8
87.5°	187.0	196.5	240.9	225.0	148.9	126.8	82.4	69.7	60.2	79.2	57.0
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: P458499

CATALOG NUMBER: GALN-SA9D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4
2.5°	10458.2	10394.8	10258.5	10226.8	10207.8	10261.7	10119.1	10157.1	10093.7	10271.2	10242.7
5°	8756.3	8762.7	8873.6	8946.5	8971.8	8946.5	8851.4	8686.6	8559.8	8509.1	8521.8
7.5°	7545.7	7656.6	7846.8	8059.1	8252.4	8309.5	8255.6	7941.9	7599.6	7384.1	7314.4
10°	7143.2	7292.2	7510.9	7678.8	7850.0	7986.2	8014.8	7770.7	7365.1	6854.9	6655.2
12.5°	7165.4	7368.3	7577.4	7631.3	7615.4	7669.3	7644.0	7602.8	7336.6	6686.9	6354.1
15°	6956.3	7197.1	7342.9	7314.4	7263.7	7216.1	7149.6	7045.0	6949.9	6493.6	6125.9
17.5°	6474.6	6721.7	6842.2	6851.7	6851.7	6839.0	6677.4	6639.3	6626.7	6404.8	6179.8
20°	6563.3	6699.6	6645.7	6557.0	6582.3	6667.9	6572.8	6553.8	6626.7	6724.9	6683.7
22.5°	6614.0	6566.5	6160.8	5767.8	5679.1	5945.3	5999.2	6211.5	6506.2	6861.2	7092.5
25°	6300.3	5916.8	5191.1	4747.4	4497.0	4744.2	5067.5	5460.4	5900.9	6357.3	6626.7
27.5°	5267.1	4975.6	4455.8	4056.5	3837.8	3875.9	4151.6	4509.7	4918.5	5225.9	5422.4
30°	3967.8	3837.8	3568.5	3432.2	3299.1	3267.4	3384.6	3520.9	3701.6	3739.6	3790.3
32.5°	2921.9	2902.9	2918.8	2874.4	2849.1	2845.9	2811.0	2842.7	2861.7	2883.9	2839.5
35°	2643.1	2617.7	2573.3	2560.7	2544.8	2551.2	2535.3	2519.5	2532.1	2551.2	2563.8
37.5°	2500.5	2462.4	2399.0	2376.9	2376.9	2386.4	2361.0	2354.7	2376.9	2437.1	2468.8
40°	2389.5	2345.2	2272.3	2243.8	2262.8	2288.1	2253.3	2240.6	2294.5	2357.8	2408.5
42.5°	2285.0	2250.1	2180.4	2148.7	2164.5	2212.1	2161.4	2151.8	2221.6	2291.3	2351.5
45°	2196.2	2161.4	2098.0	2082.1	2088.5	2132.8	2098.0	2098.0	2164.5	2240.6	2294.5
47.5°	2126.5	2082.1	2040.9	2028.2	2034.6	2059.9	2053.6	2053.6	2117.0	2196.2	2250.1
50°	2056.8	2018.7	1964.9	1971.2	1987.1	2021.9	2018.7	2028.2	2091.6	2189.9	2246.9
52.5°	2025.1	1968.0	1907.8	1914.2	1961.7	2002.9	1990.2	1999.7	2072.6	2256.4	2338.8
55°	1990.2	1914.2	1844.4	1853.9	1907.8	1968.0	1952.2	1964.9	2050.4	2300.8	2414.9
57.5°	1923.7	1834.9	1758.9	1765.2	1844.4	1907.8	1882.5	1898.3	1999.7	2253.3	2373.7
58°	1895.1	1819.1	1746.2	1749.4	1825.4	1895.1	1866.6	1879.3	1983.9	2240.6	2354.7
60°	1774.7	1730.4	1667.0	1670.1	1743.0	1803.2	1787.4	1800.1	1901.5	2148.7	2234.2
62.5°	1609.9	1584.6	1568.7	1568.7	1613.1	1670.1	1686.0	1701.8	1793.7	1942.7	2018.7
65°	1432.5	1432.5	1435.6	1435.6	1464.1	1537.0	1546.5	1587.7	1673.3	1746.2	1803.2
67.5°	1312.0	1305.7	1312.0	1296.2	1308.9	1353.2	1400.8	1438.8	1527.5	1578.2	1597.2
70°	1156.7	1153.6	1156.7	1134.6	1150.4	1188.4	1220.1	1283.5	1375.4	1413.4	1422.9
72.5°	1004.6	1004.6	1011.0	995.1	995.1	1036.3	1058.5	1128.2	1213.8	1236.0	1239.1
75°	846.2	855.7	855.7	833.5	839.8	865.2	893.7	950.7	1030.0	1045.8	1045.8
77.5°	671.9	706.7	706.7	684.5	694.0	697.2	735.2	763.8	824.0	830.3	805.0
80°	488.0	522.9	551.4	532.4	548.3	529.2	551.4	570.4	630.7	602.1	560.9
82.5°	348.6	374.0	396.1	399.3	383.5	348.6	377.1	380.3	408.8	370.8	348.6
85°	193.3	215.5	244.0	231.3	206.0	183.8	193.3	199.7	196.5	187.0	174.3
87.5°	50.7	53.9	60.2	44.4	41.2	34.9	47.5	47.5	53.9	57.0	53.9
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: P458499

CATALOG NUMBER: GALN-SA9D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4
2.5°	10264.8	10404.3	10705.4	10933.5	11212.4	11551.5	11950.8	12353.3	12787.5	12923.8	13113.9
5°	8493.3	8841.9	8987.7	9402.8	9814.8	10432.8	11092.0	11855.8	12692.4	13094.9	13481.5
7.5°	7257.3	7444.3	7596.4	7900.7	8395.1	9146.1	9973.3	10927.2	12112.5	12698.7	13266.0
10°	6591.8	6610.8	6797.8	7174.9	7605.9	8268.3	9051.1	10119.1	11440.6	12153.7	12819.2
12.5°	6151.3	6068.9	6271.7	6664.7	7152.8	7764.4	8483.8	9501.1	10955.7	11687.8	12492.8
15°	5764.7	5634.7	5786.9	6189.3	6671.0	7390.4	8163.7	9241.2	10765.6	11618.1	12511.8
17.5°	5774.2	5416.1	5469.9	5809.0	6287.6	7019.6	7957.7	9231.7	11054.0	12036.4	13094.9
20°	6487.2	5913.6	5669.6	5733.0	6195.7	6994.3	8052.8	9675.4	12001.5	13434.0	14565.4
22.5°	7187.6	6842.2	6449.2	6319.3	6572.8	7409.5	8658.1	10724.4	14061.5	16219.7	18263.8
25°	6943.6	7238.3	7140.1	6956.3	7013.3	7707.3	9070.1	11586.4	15661.9	18092.6	20013.1
27.5°	5555.5	6091.1	6198.8	6195.7	6217.9	6788.3	8157.4	11006.4	15861.5	18450.7	20285.7
30°	3904.4	3951.9	4009.0	4119.9	4221.3	4731.5	6382.6	9662.7	15772.8	18612.4	20450.5
32.5°	2817.4	2880.7	2960.0	3112.1	3353.0	4002.6	5584.0	9234.9	16241.8	19281.1	20932.2
35°	2576.5	2649.4	2725.5	2899.8	3127.9	3730.1	5267.1	9057.4	17011.9	20364.9	21797.3
37.5°	2500.5	2582.8	2649.4	2776.2	2960.0	3533.6	4978.7	8937.0	17801.1	21512.1	22957.3
40°	2446.6	2541.7	2595.5	2696.9	2823.7	3353.0	4722.0	8841.9	18564.8	22561.1	23889.0
42.5°	2399.0	2497.3	2567.0	2639.9	2744.5	3191.3	4493.8	8746.8	19227.2	23578.4	24817.5
45°	2342.0	2465.6	2554.3	2611.4	2703.3	3055.1	4319.5	8670.8	19981.4	24481.6	25755.6
47.5°	2294.5	2430.7	2541.7	2608.2	2643.1	2960.0	4180.1	8775.4	20887.8	25426.0	26627.1
50°	2297.6	2427.6	2567.0	2671.6	2579.7	2880.7	4094.5	9190.5	22066.7	26547.9	27314.8
52.5°	2399.0	2557.5	2668.4	2693.8	2490.9	2785.7	4050.2	9916.2	23461.1	27539.8	28008.9
55°	2513.1	2677.9	2798.4	2782.5	2443.4	2665.2	4040.7	10689.5	24988.7	28696.6	28912.1
57.5°	2471.9	2712.8	2896.6	2814.2	2446.6	2548.0	3999.5	11313.8	26265.8	29561.7	29805.8
58°	2459.3	2700.1	2909.3	2807.9	2437.1	2513.1	3989.9	11367.7	26443.3	29622.0	29932.5
60°	2335.7	2589.2	2899.8	2760.3	2383.2	2418.1	3885.4	11542.0	26395.8	29311.4	30008.6
62.5°	2110.6	2319.8	2681.1	2529.0	2218.4	2291.3	3650.8	11326.5	25109.1	27815.5	28896.2
65°	1857.1	2012.4	2253.3	2224.7	1983.9	2161.4	3330.8	10474.0	22532.6	25388.0	26525.7
67.5°	1667.0	1793.7	1945.9	1904.7	1784.2	1987.1	2985.3	9032.1	19642.3	22472.4	23904.8
70°	1473.7	1571.9	1648.0	1619.4	1581.4	1815.9	2677.9	7330.2	16872.5	19702.5	21090.6
72.5°	1277.2	1369.1	1432.5	1391.3	1369.1	1635.3	2427.6	5688.6	13326.2	16254.5	18038.7
75°	1068.0	1159.9	1204.3	1156.7	1144.1	1442.0	2056.8	4249.8	9998.6	12530.8	14071.0
77.5°	827.1	925.4	982.4	966.6	972.9	1185.3	1660.6	2909.3	7149.6	8540.8	10163.4
80°	580.0	687.7	725.7	709.9	754.3	903.2	1172.6	1847.6	4931.2	5542.8	6686.9
82.5°	358.1	459.5	465.9	481.7	513.4	668.7	884.2	1125.0	3096.3	3200.8	4031.1
85°	180.6	218.7	234.5	259.9	288.4	408.8	503.9	697.2	1993.4	1508.5	2253.3
87.5°	60.2	63.4	76.1	95.1	117.3	168.0	215.5	285.2	494.4	272.5	697.2
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: P458499

CATALOG NUMBER: GALN-SA9D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4	12055.4
2.5°	13497.4	13766.7	13963.2	14143.9	13969.6	13953.7	13782.6	13506.9	13392.8	13392.8
5°	14292.8	14923.5	15433.7	15760.1	15620.7	15284.8	14730.2	14023.4	13643.1	13576.6
7.5°	14511.5	15757.0	16704.5	17040.5	16806.0	16064.4	15002.7	13811.1	13266.0	13145.6
10°	14378.4	15997.8	17389.1	17921.5	17595.1	16473.2	15024.9	13563.9	12892.1	12752.6
12.5°	14238.9	16029.5	17515.8	18285.9	18073.6	16802.8	15186.5	13402.3	12625.9	12426.2
15°	14340.4	16042.2	17360.6	18156.0	18292.3	17198.9	15452.7	13519.6	12572.0	12359.6
17.5°	14980.5	16283.0	17138.7	17782.0	18260.6	17737.7	16210.2	14080.5	13053.7	12790.7
20°	16317.9	16859.8	17265.5	17763.0	18533.1	18837.4	17759.9	15620.7	14406.9	14175.6
22.5°	20190.6	20092.4	19262.0	19252.5	20368.1	21588.2	21515.3	18751.8	16926.4	16736.2
25°	21642.1	21185.7	19984.6	19693.0	20184.3	22066.7	21794.2	19392.0	17706.0	17243.3
27.5°	21074.8	19943.4	19154.3	19087.7	18926.1	20704.0	21360.0	19651.8	17978.5	17528.5
30°	21039.9	19376.1	18247.9	18381.0	18536.3	20235.0	21600.9	20466.3	18675.7	18194.0
32.5°	21125.5	19455.4	18314.5	18339.8	18802.5	20304.7	21867.1	21353.7	19591.6	19109.9
35°	21470.9	19905.4	18739.1	18678.9	19401.5	20761.0	22320.3	22748.1	20843.4	20295.2
37.5°	22028.7	20802.2	19515.6	19499.7	20548.7	21585.0	22884.4	24155.2	22088.9	21499.4
40°	22849.5	21851.2	20897.3	20811.7	22107.9	22925.6	23616.4	25654.2	23537.2	22779.8
42.5°	23841.4	23109.4	22719.6	23058.7	24304.1	24430.9	24757.3	27039.1	24770.0	23889.0
45°	24760.5	24725.6	25267.6	26167.6	26893.3	26132.7	25948.9	27967.7	25727.1	24770.0
47.5°	25853.8	26798.3	28433.5	29751.9	30512.5	28113.4	26966.2	28573.0	26424.3	25543.3
50°	26963.0	29279.7	31891.1	33729.2	33890.8	30265.3	27666.6	29143.4	27058.1	26142.2
52.5°	28129.3	31260.4	34736.9	36872.9	36559.2	32138.3	28344.8	29530.1	27711.0	26906.0
55°	29143.4	32474.2	36327.9	38378.3	37918.8	33279.1	29076.9	29948.4	28642.7	27964.5
57.5°	29710.7	32575.6	35931.7	37722.3	37224.7	33057.3	29412.8	30259.0	29238.5	28706.1
58°	29793.1	32439.3	35579.9	37342.0	36834.9	32870.3	29409.6	30246.3	29276.5	28740.9
60°	29720.2	31555.1	34271.1	35839.8	35307.4	31697.7	29289.2	30008.6	28794.8	28341.6
62.5°	29045.2	30021.3	32011.5	33152.4	33000.3	29866.0	28794.8	29111.7	27327.5	26890.2
65°	28157.8	27929.6	29118.1	29926.2	30040.3	28493.7	28303.6	27172.2	25445.0	24827.0
67.5°	27080.3	25559.1	25555.9	26015.5	26205.6	26383.1	27280.0	25064.7	22732.2	22079.4
70°	25251.7	21905.1	20897.3	21439.2	21280.8	22779.8	25451.4	22104.8	19461.7	18697.9
72.5°	21898.8	17382.7	15769.6	16466.9	16067.5	17864.4	22269.6	18190.9	16092.9	15154.8
75°	17750.4	13003.0	11339.2	11979.4	11732.2	13551.2	18530.0	13212.1	11542.0	11183.9
77.5°	13782.6	9421.9	8455.3	8366.5	8550.3	10084.2	13592.4	8921.1	7609.1	7365.1
80°	8854.6	6743.9	6801.0	6686.9	6782.0	6357.3	8252.4	5691.8	5153.0	4956.5
82.5°	5828.0	4699.8	5603.0	5172.0	4912.2	4275.2	5412.9	3726.9	3162.8	3055.1
85°	3970.9	3460.7	3150.1	2408.5	2836.4	3292.7	4059.7	2006.1	1590.9	1442.0
87.5°	1793.7	1204.3	884.2	545.1	862.0	995.1	1971.2	234.5	180.6	187.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)