

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: P452699

Luminaire Tested: **GALN-SA3C-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452699
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-SA3C-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 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: 14376 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 160
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

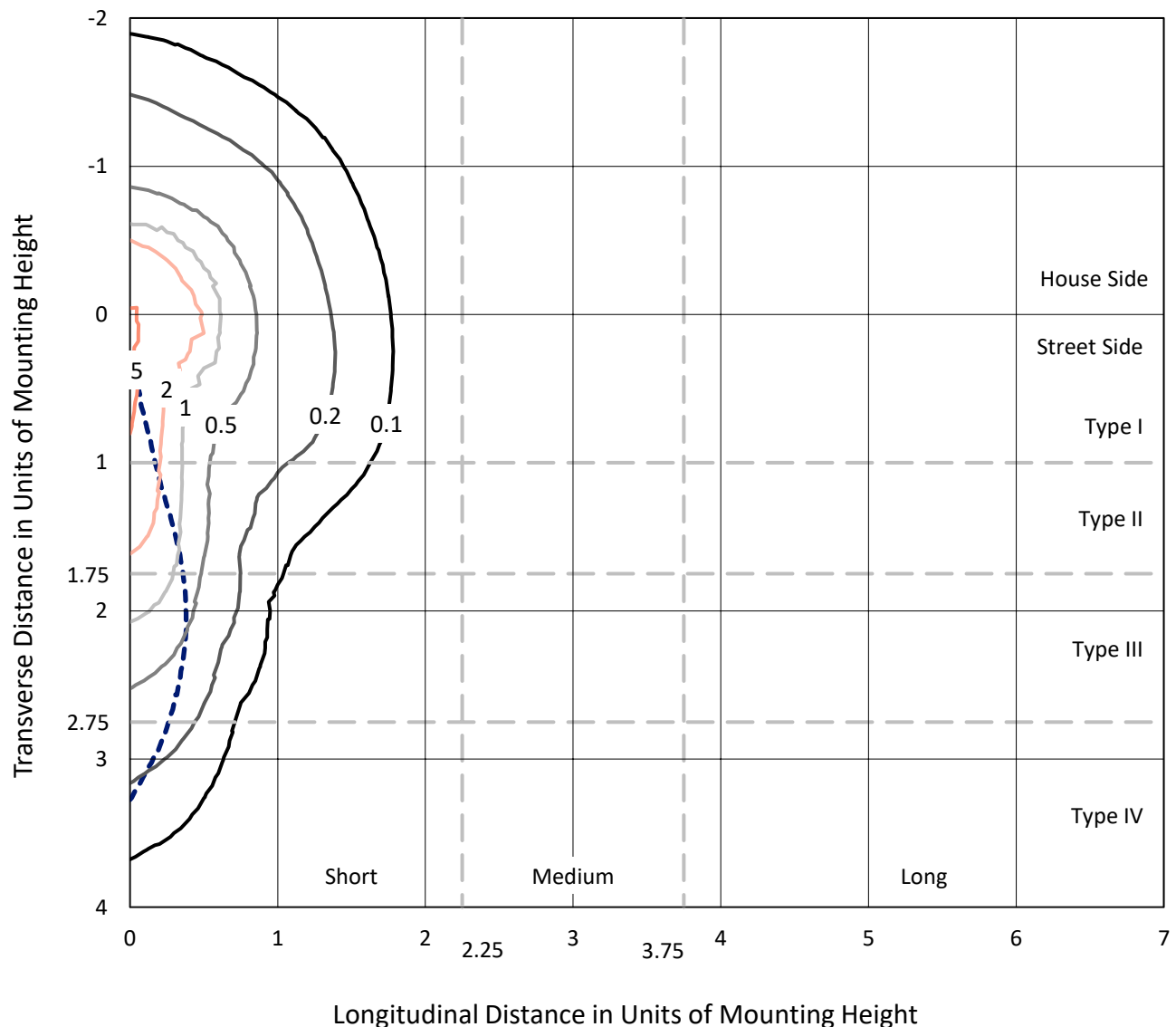


REPORT NUMBER: P452699

CATALOG NUMBER: GALN-SA3C-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



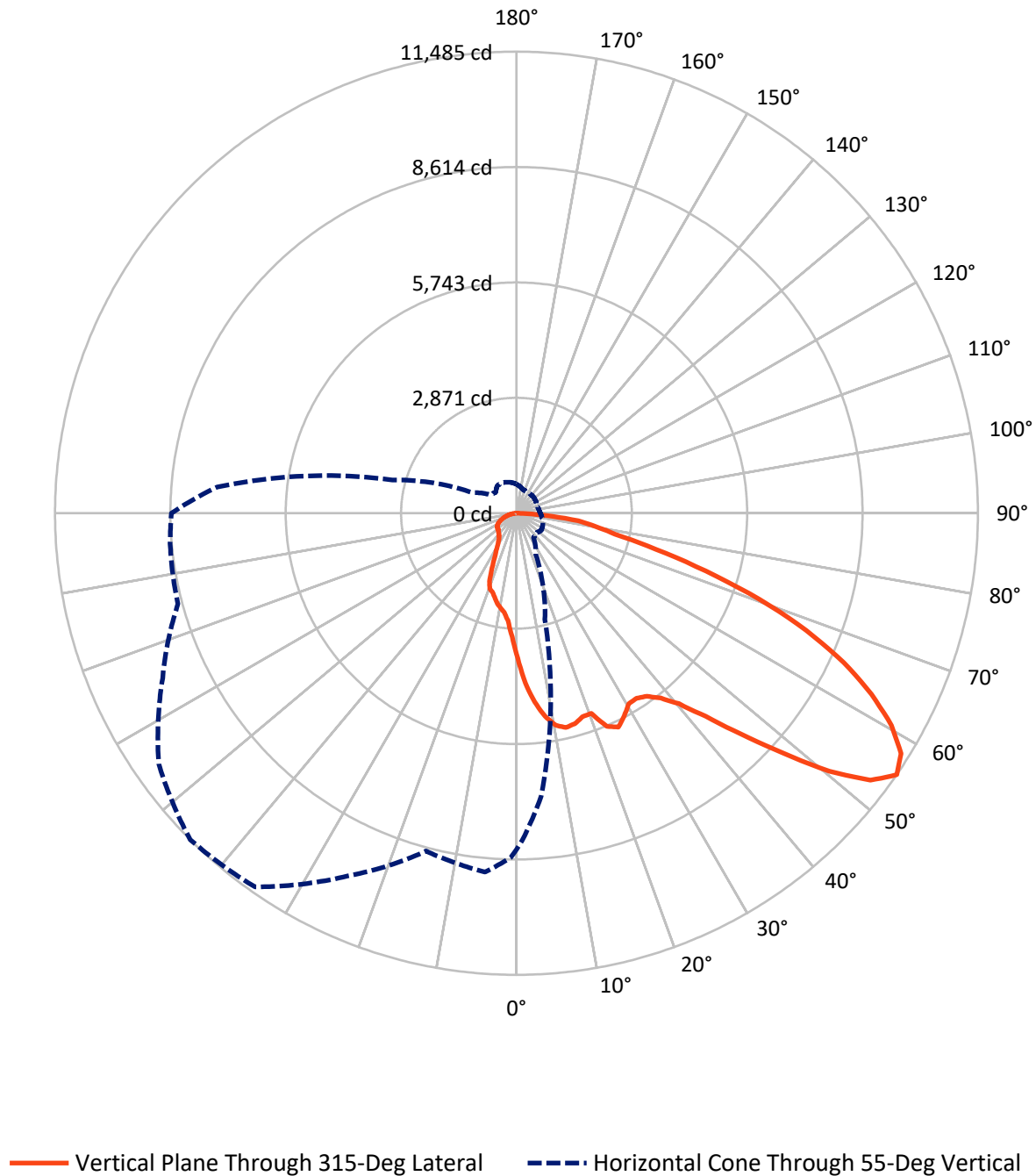
Based on 25 foot mounting height. Maximum calculated value = 6.2 fc

Type IV - Short - N/A

REPORT NUMBER: P452699

CATALOG NUMBER: GALN-SA3C-830-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P452699

CATALOG NUMBER: GALN-SA3C-830-U-SLR

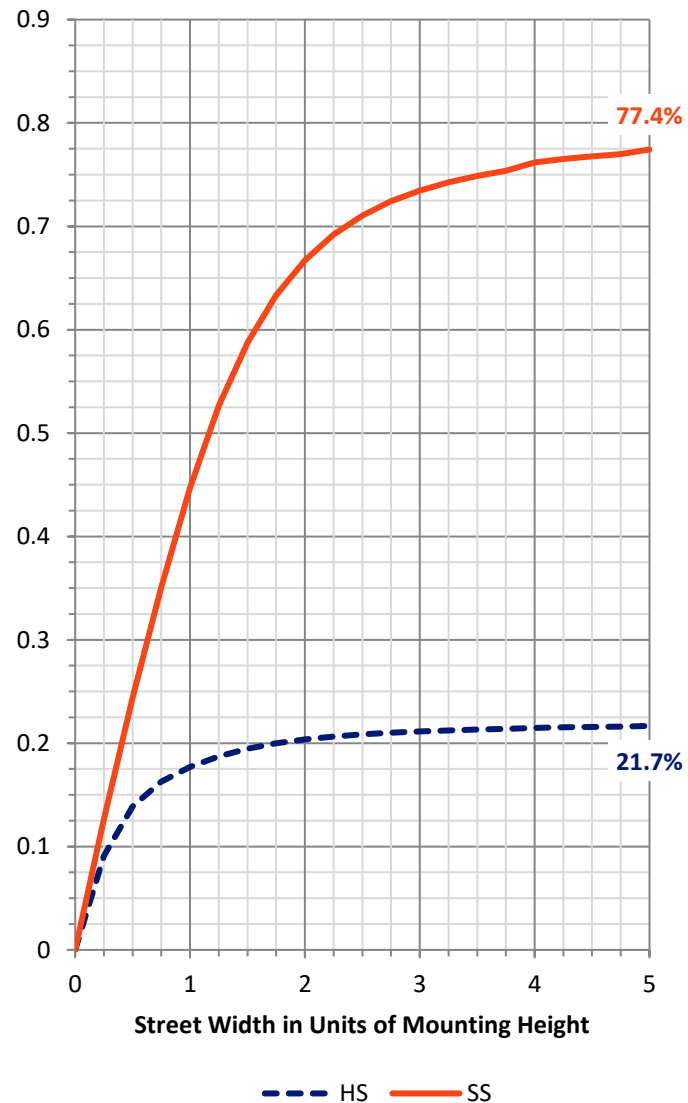
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3144.7	0.0	3144.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	11231.3	0.0	11231.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	14376.0	0.0	14376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.8	2.1
10°-20°	811.2	5.6
20°-30°	1401.4	9.7
30°-40°	1628.7	11.3
40°-50°	2272.3	15.8
50°-60°	3083.3	21.4
60°-70°	2933.4	20.4
70°-80°	1584.7	11.0
80°-90°	355.2	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°	14376.0	100.0
0°-180°	14376.0	100.0

Coefficient of Utilization



REPORT NUMBER: P452699

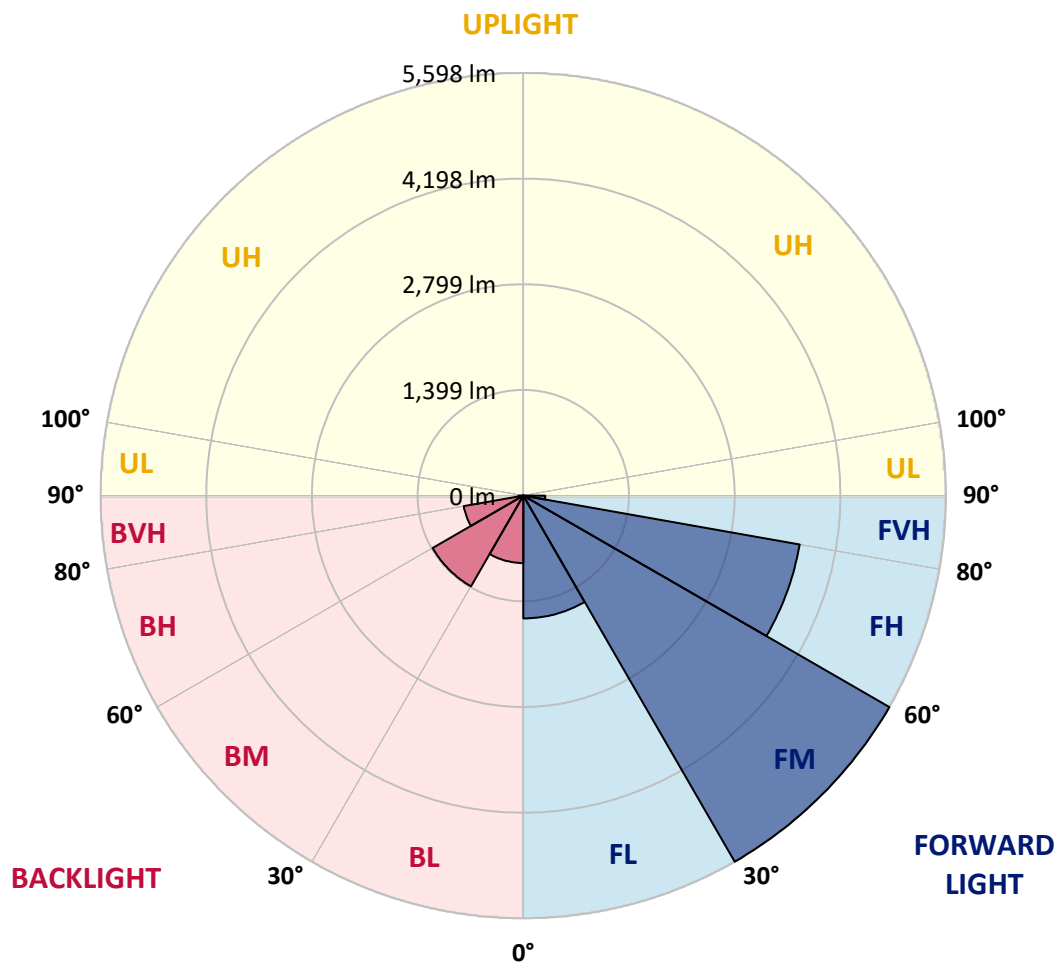
CATALOG NUMBER: GALN-SA3C-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1626.0	11.3			
FM	(30°-60°)	5597.7	38.9			
FH	(60°-80°)	3717.4	25.9			G2/5000
FVH	(80°-90°)	290.3	2.0			G3/500
BL	(0°-30°)	892.5	6.2	B2/1000		
BM	(30°-60°)	1386.6	9.6	B2/2500		
BH	(60°-80°)	800.7	5.6	B2/1000		G2/1000
BVH	(80°-90°)	64.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P452699

CATALOG NUMBER: GALN-SA3C-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8
2.5°	4008.1	3992.9	3950.2	3838.3	3725.4	3610.7	3522.5	3412.4	3297.7	3236.0	3157.3
5°	4063.1	4046.0	3945.5	3693.2	3464.6	3224.7	3033.1	2865.2	2796.9	2696.4	2615.8
7.5°	3934.1	3926.5	3775.7	3413.4	3100.4	2786.5	2569.3	2434.6	2312.3	2266.7	2276.2
10°	3816.5	3786.1	3597.4	3124.1	2759.0	2503.8	2348.3	2216.5	2130.2	2107.4	2112.1
12.5°	3718.8	3678.0	3455.1	2929.7	2610.1	2406.2	2207.9	2070.4	1991.7	2013.5	2087.5
15°	3698.9	3643.9	3395.4	2863.3	2528.5	2265.8	2048.6	1890.2	1831.4	1878.8	1997.4
17.5°	3827.8	3758.6	3497.8	2885.1	2450.7	2122.6	1856.1	1674.9	1625.6	1701.5	1856.1
20°	4242.3	4139.9	3817.4	3011.3	2443.1	2051.4	1744.2	1562.1	1582.9	1727.1	1888.3
22.5°	5008.6	4855.0	4377.0	3195.2	2483.0	2033.4	1721.4	1626.6	1741.3	1863.7	1969.9
25°	5160.4	5039.9	4477.5	3237.0	2474.4	2021.1	1785.9	1833.3	1961.3	2022.0	1985.1
27.5°	5245.7	5108.2	4470.9	3030.2	2212.7	1833.3	1707.2	1785.9	1818.1	1759.3	1658.8
30°	5444.9	5301.7	4583.7	2813.0	1821.9	1360.0	1192.2	1159.9	1181.7	1193.1	1157.1
32.5°	5719.0	5577.7	4796.2	2670.8	1575.3	1124.8	959.8	914.3	903.9	891.5	877.3
35°	6073.7	5856.5	5004.8	2579.7	1473.9	1040.4	888.7	853.6	839.4	822.3	807.1
37.5°	6434.1	6206.5	5268.5	2483.9	1406.5	981.6	841.3	825.1	800.5	782.5	760.6
40°	6817.3	6562.2	5508.5	2400.5	1341.1	943.7	807.1	805.2	773.0	752.1	726.5
42.5°	7149.2	6886.5	5722.8	2349.3	1290.8	903.9	786.2	791.9	758.7	727.4	694.2
45°	7412.9	7154.9	5921.0	2349.3	1250.0	864.0	782.5	778.7	745.5	706.6	668.6
47.5°	7644.3	7377.8	6114.5	2409.0	1224.4	830.8	761.6	768.2	734.1	684.8	647.8
50°	7823.6	7588.4	6375.3	2501.9	1198.8	804.3	735.0	771.1	724.6	673.4	630.7
52.5°	8052.1	7841.6	6689.3	2629.0	1177.0	774.9	711.3	771.1	723.6	674.3	627.9
55°	8368.9	8147.0	7067.7	2734.3	1141.9	747.4	690.5	749.3	720.8	669.6	620.3
57.5°	8590.8	8424.9	7335.1	2804.5	1091.6	712.3	671.5	728.4	708.5	651.6	597.5
58°	8601.3	8439.1	7374.0	2820.6	1079.3	705.6	666.7	718.9	702.8	644.0	589.9
60°	8481.8	8342.4	7381.6	2797.9	1009.1	672.4	642.1	680.0	672.4	599.4	549.1
62.5°	8047.4	7898.5	7075.3	2612.9	916.2	631.7	604.1	627.9	610.8	536.8	490.3
65°	7430.0	7155.9	6445.5	2322.7	849.8	588.0	552.9	554.8	536.8	483.7	442.9
67.5°	6607.7	6301.3	5457.2	1957.6	799.5	539.7	492.2	487.5	465.7	431.5	398.3
70°	5595.7	5386.1	4434.8	1592.4	743.6	486.5	423.9	421.1	407.8	382.2	352.8
72.5°	4535.4	4268.9	3581.3	1274.7	675.3	435.3	360.4	366.1	349.0	331.0	304.4
75°	3347.0	3172.5	2768.5	1022.4	583.3	379.4	300.7	302.5	295.0	276.0	255.1
77.5°	2204.1	2152.0	1980.3	671.5	448.6	301.6	245.6	247.5	241.8	224.8	203.0
80°	1483.3	1448.2	1342.0	432.5	299.7	218.1	189.7	191.6	190.6	172.6	143.2
82.5°	914.3	899.1	865.0	292.1	207.7	156.5	125.2	130.9	141.3	121.4	97.7
85°	431.5	432.5	522.6	159.3	122.3	100.5	68.3	73.0	73.0	73.0	55.0
87.5°	56.0	58.8	72.1	67.3	44.6	37.9	24.7	20.9	18.0	23.7	17.1
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: P452699

CATALOG NUMBER: GALN-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8
2.5°	3129.8	3110.8	3070.1	3060.6	3054.9	3071.0	3028.3	3039.7	3020.7	3073.9	3065.3
5°	2620.5	2622.4	2655.6	2677.4	2685.0	2677.4	2649.0	2599.6	2561.7	2546.5	2550.3
7.5°	2258.2	2291.4	2348.3	2411.8	2469.7	2486.8	2470.7	2376.8	2274.3	2209.8	2189.0
10°	2137.8	2182.3	2247.8	2298.0	2349.3	2390.0	2398.6	2325.5	2204.1	2051.4	1991.7
12.5°	2144.4	2205.1	2267.7	2283.8	2279.1	2295.2	2287.6	2275.3	2195.6	2001.2	1901.6
15°	2081.8	2153.9	2197.5	2189.0	2173.8	2159.6	2139.7	2108.4	2079.9	1943.3	1833.3
17.5°	1937.6	2011.6	2047.7	2050.5	2050.5	2046.7	1998.3	1987.0	1983.2	1916.8	1849.4
20°	1964.2	2005.0	1988.9	1962.3	1969.9	1995.5	1967.0	1961.3	1983.2	2012.6	2000.2
22.5°	1979.4	1965.1	1843.7	1726.1	1699.6	1779.2	1795.4	1858.9	1947.1	2053.3	2122.6
25°	1885.5	1770.7	1553.5	1420.7	1345.8	1419.8	1516.5	1634.1	1766.0	1902.5	1983.2
27.5°	1576.3	1489.0	1333.5	1214.0	1148.5	1159.9	1242.4	1349.6	1472.0	1564.0	1622.8
30°	1187.4	1148.5	1067.9	1027.1	987.3	977.8	1012.9	1053.7	1107.8	1119.1	1134.3
32.5°	874.4	868.8	873.5	860.2	852.6	851.7	841.3	850.7	856.4	863.1	849.8
35°	791.0	783.4	770.1	766.3	761.6	763.5	758.7	754.0	757.8	763.5	767.3
37.5°	748.3	736.9	718.0	711.3	711.3	714.2	706.6	704.7	711.3	729.3	738.8
40°	715.1	701.8	680.0	671.5	677.2	684.8	674.3	670.5	686.7	705.6	720.8
42.5°	683.8	673.4	652.5	643.0	647.8	662.0	646.8	644.0	664.8	685.7	703.7
45°	657.3	646.8	627.9	623.1	625.0	638.3	627.9	627.9	647.8	670.5	686.7
47.5°	636.4	623.1	610.8	607.0	608.9	616.5	614.6	614.6	633.5	657.3	673.4
50°	615.5	604.1	588.0	589.9	594.7	605.1	604.1	607.0	626.0	655.4	672.4
52.5°	606.0	589.0	571.0	572.8	587.1	599.4	595.6	598.5	620.3	675.3	699.9
55°	595.6	572.8	552.0	554.8	571.0	589.0	584.2	588.0	613.6	688.6	722.7
57.5°	575.7	549.1	526.4	528.3	552.0	571.0	563.4	568.1	598.5	674.3	710.4
58°	567.2	544.4	522.6	523.5	546.3	567.2	558.6	562.4	593.7	670.5	704.7
60°	531.1	517.8	498.9	499.8	521.6	539.7	534.9	538.7	569.1	643.0	668.6
62.5°	481.8	474.2	469.5	469.5	482.7	499.8	504.6	509.3	536.8	581.4	604.1
65°	428.7	428.7	429.6	429.6	438.2	460.0	462.8	475.2	500.8	522.6	539.7
67.5°	392.6	390.8	392.6	387.9	391.7	405.0	419.2	430.6	457.1	472.3	478.0
70°	346.2	345.2	346.2	339.5	344.3	355.7	365.1	384.1	411.6	423.0	425.8
72.5°	300.7	300.7	302.5	297.8	297.8	310.1	316.8	337.6	363.2	369.9	370.8
75°	253.2	256.1	256.1	249.4	251.3	258.9	267.5	284.5	308.2	313.0	313.0
77.5°	201.1	211.5	211.5	204.9	207.7	208.7	220.0	228.6	246.6	248.5	240.9
80°	146.1	156.5	165.0	159.3	164.1	158.4	165.0	170.7	188.7	180.2	167.9
82.5°	104.3	111.9	118.6	119.5	114.8	104.3	112.9	113.8	122.3	111.0	104.3
85°	57.9	64.5	73.0	69.2	61.6	55.0	57.9	59.8	58.8	56.0	52.2
87.5°	15.2	16.1	18.0	13.3	12.3	10.4	14.2	14.2	16.1	17.1	16.1
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: P452699

CATALOG NUMBER: GALN-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8
2.5°	3072.0	3113.7	3203.8	3272.1	3355.5	3457.0	3576.5	3697.0	3826.9	3867.7	3924.6
5°	2541.8	2646.1	2689.7	2814.0	2937.3	3122.2	3319.5	3548.1	3798.4	3918.9	4034.6
7.5°	2171.9	2227.9	2273.4	2364.4	2512.4	2737.2	2984.7	3270.2	3624.9	3800.3	3970.1
10°	1972.7	1978.4	2034.4	2147.2	2276.2	2474.4	2708.7	3028.3	3423.8	3637.2	3836.4
12.5°	1840.9	1816.2	1876.9	1994.5	2140.6	2323.6	2538.9	2843.4	3278.7	3497.8	3738.7
15°	1725.2	1686.3	1731.8	1852.3	1996.4	2211.7	2443.1	2765.6	3221.8	3476.9	3744.4
17.5°	1728.0	1620.9	1637.0	1738.5	1881.7	2100.8	2381.5	2762.8	3308.1	3602.1	3918.9
20°	1941.4	1769.8	1696.7	1715.7	1854.2	2093.2	2410.0	2895.5	3591.7	4020.4	4359.0
22.5°	2151.0	2047.7	1930.0	1891.2	1967.0	2217.4	2591.1	3209.5	4208.2	4854.0	5465.8
25°	2078.0	2166.2	2136.8	2081.8	2098.9	2306.6	2714.4	3467.4	4687.1	5414.6	5989.3
27.5°	1662.6	1822.9	1855.1	1854.2	1860.8	2031.5	2441.2	3293.9	4746.9	5521.7	6070.9
30°	1168.5	1182.7	1199.8	1233.0	1263.3	1416.0	1910.1	2891.8	4720.3	5570.1	6120.2
32.5°	843.2	862.1	885.8	931.4	1003.4	1197.9	1671.1	2763.7	4860.7	5770.2	6264.4
35°	771.1	792.9	815.6	867.8	936.1	1116.3	1576.3	2710.6	5091.2	6094.6	6523.3
37.5°	748.3	773.0	792.9	830.8	885.8	1057.5	1490.0	2674.6	5327.3	6437.9	6870.4
40°	732.2	760.6	776.8	807.1	845.0	1003.4	1413.2	2646.1	5555.9	6751.8	7149.2
42.5°	718.0	747.4	768.2	790.0	821.3	955.1	1344.9	2617.7	5754.1	7056.3	7427.1
45°	700.9	737.9	764.4	781.5	809.0	914.3	1292.7	2594.9	5979.8	7326.6	7707.9
47.5°	686.7	727.4	760.6	780.6	791.0	885.8	1251.0	2626.2	6251.1	7609.2	7968.7
50°	687.6	726.5	768.2	799.5	772.0	862.1	1225.4	2750.4	6603.9	7945.0	8174.5
52.5°	718.0	765.4	798.6	806.2	745.5	833.7	1212.1	2967.6	7021.2	8241.8	8382.2
55°	752.1	801.4	837.5	832.7	731.2	797.6	1209.2	3199.0	7478.3	8588.0	8652.5
57.5°	739.8	811.9	866.9	842.2	732.2	762.5	1196.9	3385.9	7860.6	8846.9	8920.0
58°	736.0	808.1	870.7	840.3	729.3	752.1	1194.1	3402.0	7913.7	8864.9	8957.9
60°	699.0	774.9	867.8	826.1	713.2	723.6	1162.8	3454.2	7899.4	8772.0	8980.7
62.5°	631.7	694.2	802.4	756.8	663.9	685.7	1092.6	3389.7	7514.4	8324.3	8647.8
65°	555.8	602.3	674.3	665.8	593.7	646.8	996.8	3134.5	6743.3	7597.8	7938.3
67.5°	498.9	536.8	582.3	570.0	534.0	594.7	893.4	2703.0	5878.3	6725.3	7154.0
70°	441.0	470.4	493.2	484.6	473.3	543.4	801.4	2193.7	5049.4	5896.4	6311.8
72.5°	382.2	409.7	428.7	416.4	409.7	489.4	726.5	1702.4	3988.1	4864.5	5398.4
75°	319.6	347.1	360.4	346.2	342.4	431.5	615.5	1271.8	2992.3	3750.1	4211.0
77.5°	247.5	276.9	294.0	289.3	291.2	354.7	497.0	870.7	2139.7	2556.0	3041.6
80°	173.6	205.8	217.2	212.4	225.7	270.3	350.9	552.9	1475.8	1658.8	2001.2
82.5°	107.2	137.5	139.4	144.2	153.6	200.1	264.6	336.7	926.6	957.9	1206.4
85°	54.1	65.4	70.2	77.8	86.3	122.3	150.8	208.7	596.6	451.5	674.3
87.5°	18.0	19.0	22.8	28.5	35.1	50.3	64.5	85.4	148.0	81.6	208.7
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: P452699

CATALOG NUMBER: GALN-SA3C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8	3607.8
2.5°	4039.3	4120.0	4178.8	4232.8	4180.7	4175.9	4124.7	4042.2	4008.1	4008.1
5°	4277.4	4466.1	4618.8	4716.5	4674.8	4574.3	4408.3	4196.8	4083.0	4063.1
7.5°	4342.8	4715.6	4999.2	5099.7	5029.5	4807.6	4489.9	4133.2	3970.1	3934.1
10°	4303.0	4787.7	5204.0	5363.4	5265.7	4929.9	4496.5	4059.3	3858.2	3816.5
12.5°	4261.3	4797.1	5242.0	5472.4	5408.9	5028.6	4544.9	4010.9	3778.5	3718.8
15°	4291.6	4800.9	5195.5	5433.5	5474.3	5147.1	4624.5	4046.0	3762.4	3698.9
17.5°	4483.2	4873.0	5129.1	5321.6	5464.8	5308.3	4851.2	4213.9	3906.6	3827.8
20°	4883.4	5045.6	5167.0	5315.9	5546.4	5637.4	5315.0	4674.8	4311.5	4242.3
22.5°	6042.4	6013.0	5764.5	5761.7	6095.5	6460.7	6438.9	5611.8	5065.5	5008.6
25°	6476.8	6340.2	5980.8	5893.5	6040.5	6603.9	6522.3	5803.4	5298.9	5160.4
27.5°	6307.0	5968.4	5732.3	5712.4	5664.0	6196.1	6392.4	5881.2	5380.4	5245.7
30°	6296.6	5798.7	5461.0	5500.9	5547.3	6055.7	6464.5	6124.9	5589.1	5444.9
32.5°	6322.2	5822.4	5481.0	5488.5	5627.0	6076.6	6544.1	6390.5	5863.2	5719.0
35°	6425.6	5957.1	5608.0	5590.0	5806.3	6213.1	6679.8	6807.8	6237.8	6073.7
37.5°	6592.5	6225.5	5840.4	5835.7	6149.6	6459.7	6848.6	7228.9	6610.5	6434.1
40°	6838.2	6539.4	6253.9	6228.3	6616.2	6860.9	7067.7	7677.5	7044.0	6817.3
42.5°	7135.0	6915.9	6799.3	6900.8	7273.5	7311.4	7409.1	8092.0	7412.9	7149.2
45°	7410.1	7399.6	7561.8	7831.2	8048.3	7820.7	7765.7	8369.9	7699.3	7412.9
47.5°	7737.3	8019.9	8509.3	8903.8	9131.5	8413.5	8070.2	8551.0	7908.0	7644.3
50°	8069.2	8762.5	9544.0	10094.1	10142.5	9057.5	8279.8	8721.7	8097.7	7823.6
52.5°	8418.2	9355.3	10395.7	11034.9	10941.0	9618.0	8482.7	8837.4	8293.0	8052.1
55°	8721.7	9718.5	10871.8	11485.4	11347.9	9959.4	8701.8	8962.6	8571.9	8368.9
57.5°	8891.5	9748.9	10753.3	11289.1	11140.2	9893.0	8802.3	9055.6	8750.2	8590.8
58°	8916.2	9708.1	10648.0	11175.3	11023.6	9837.1	8801.4	9051.8	8761.6	8601.3
60°	8894.3	9443.5	10256.3	10725.8	10566.4	9486.2	8765.4	8980.7	8617.4	8481.8
62.5°	8692.3	8984.4	9580.1	9921.5	9876.0	8938.0	8617.4	8712.2	8178.3	8047.4
65°	8426.8	8358.5	8714.1	8956.0	8990.1	8527.3	8470.4	8131.8	7614.9	7430.0
67.5°	8104.3	7649.1	7648.1	7785.6	7842.5	7895.7	8164.1	7501.1	6803.1	6607.7
70°	7557.1	6555.5	6253.9	6416.1	6368.7	6817.3	7616.8	6615.3	5824.3	5595.7
72.5°	6553.6	5202.1	4719.4	4928.0	4808.5	5346.3	6664.6	5444.0	4816.1	4535.4
75°	5312.1	3891.4	3393.5	3585.1	3511.1	4055.5	5545.4	3954.0	3454.2	3347.0
77.5°	4124.7	2819.7	2530.4	2503.8	2558.9	3017.9	4067.8	2669.8	2277.2	2204.1
80°	2649.9	2018.3	2035.3	2001.2	2029.6	1902.5	2469.7	1703.4	1542.1	1483.3
82.5°	1744.2	1406.5	1676.8	1547.8	1470.1	1279.4	1619.9	1115.3	946.5	914.3
85°	1188.4	1035.7	942.7	720.8	848.8	985.4	1214.9	600.4	476.1	431.5
87.5°	536.8	360.4	264.6	163.1	258.0	297.8	589.9	70.2	54.1	56.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)