

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: P533956

Luminaire Tested: **GALN-SA9B-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30529 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 364
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



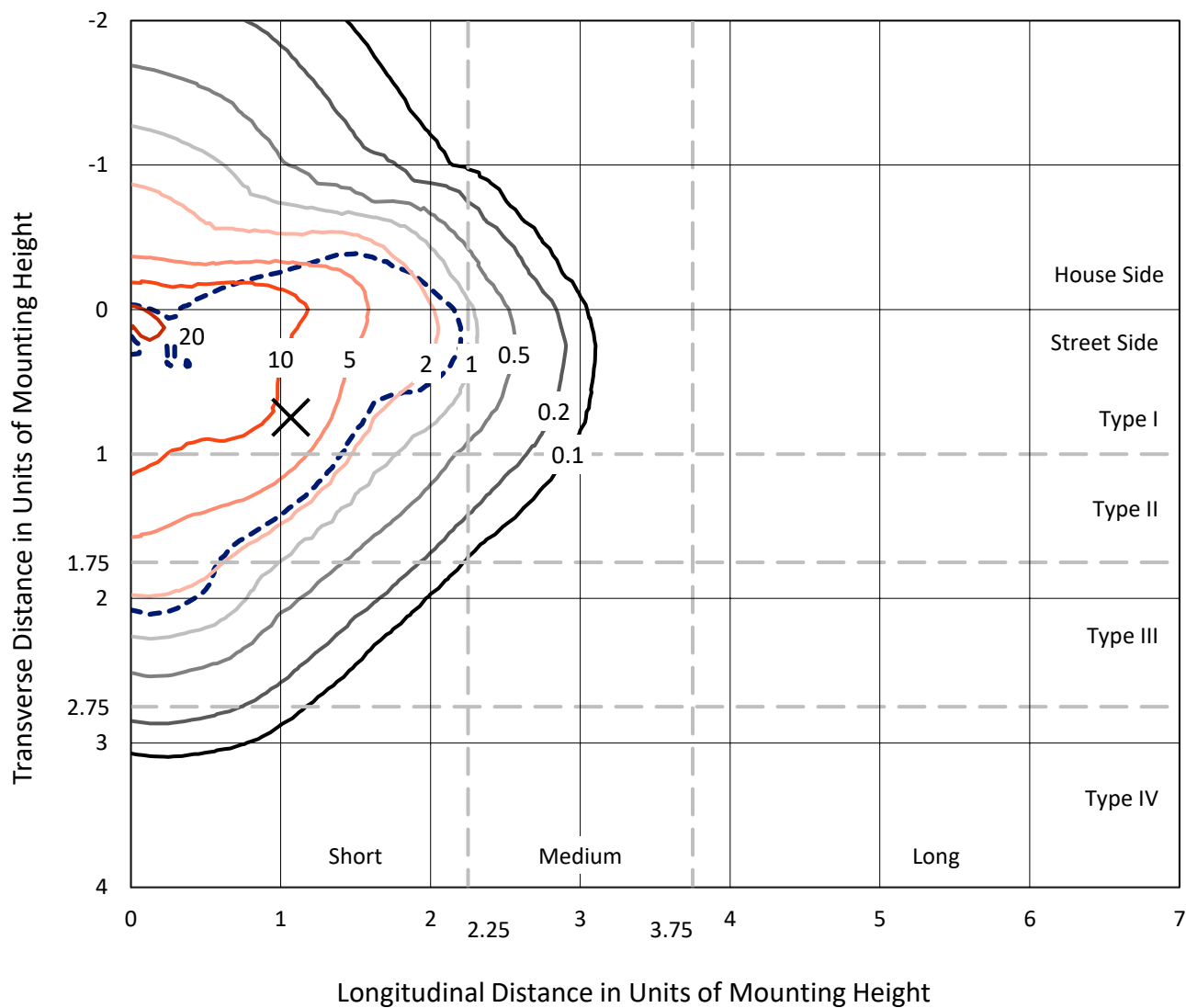
REPORT NUMBER: P533956

CATALOG NUMBER: GALN-SA9B-830-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

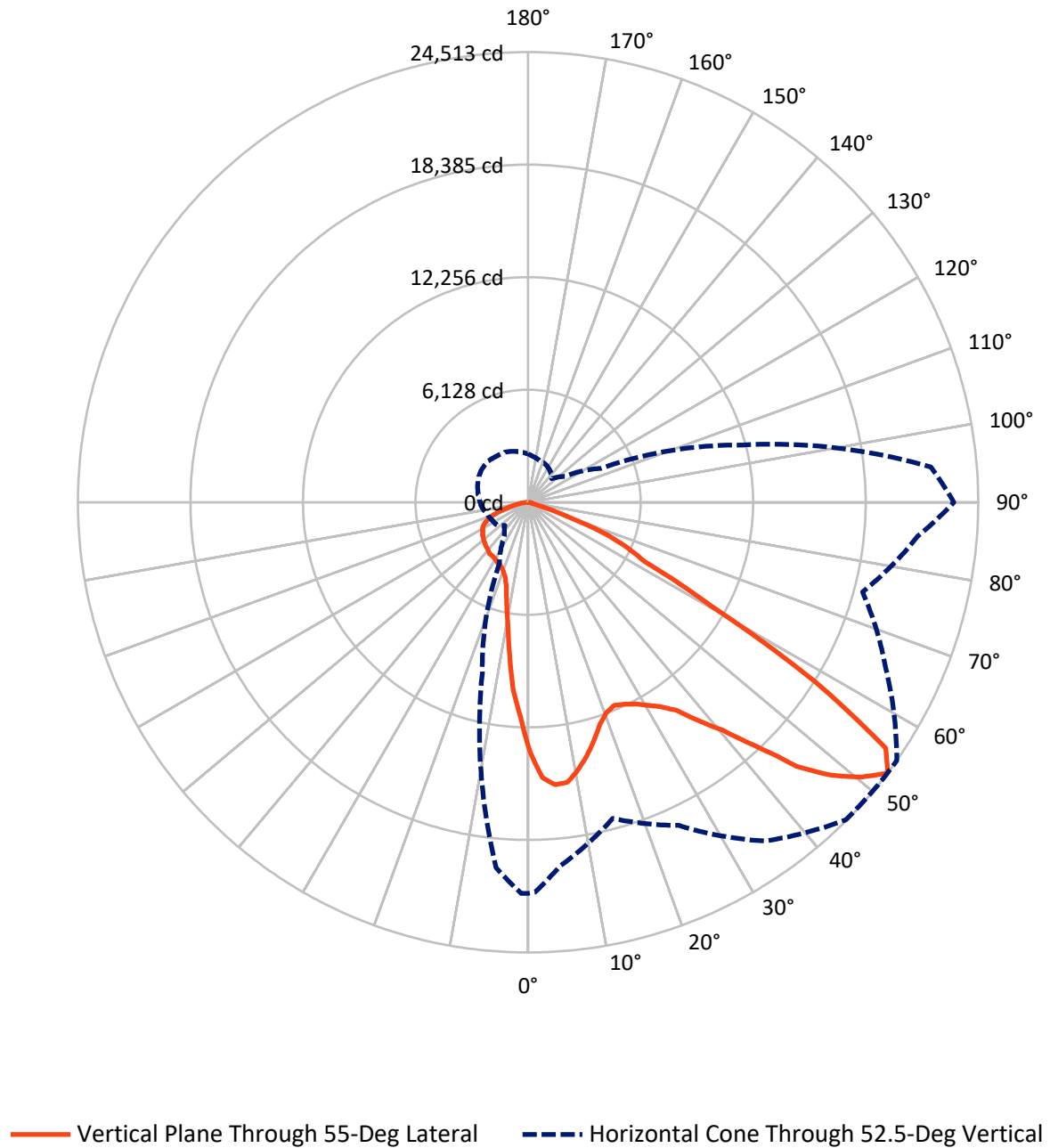


Based on 25 foot mounting height. Maximum calculated value = 23.2 fc
 Type II - Short - N/A

REPORT NUMBER: P533956

CATALOG NUMBER: GALN-SA9B-830-U-SLL-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533956

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9313.0	0.0	9313.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	21216.0	0.0	21216.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	30529.0	0.0	30529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1040.4	3.4
10°-20°	2243.3	7.3
20°-30°	3401.5	11.1
30°-40°	4914.7	16.1
40°-50°	6567.3	21.5
50°-60°	7330.6	24.0
60°-70°	4021.2	13.2
70°-80°	869.4	2.8
80°-90°	140.6	0.5
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°	30529.0	100.0
0°-180°	30529.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533956

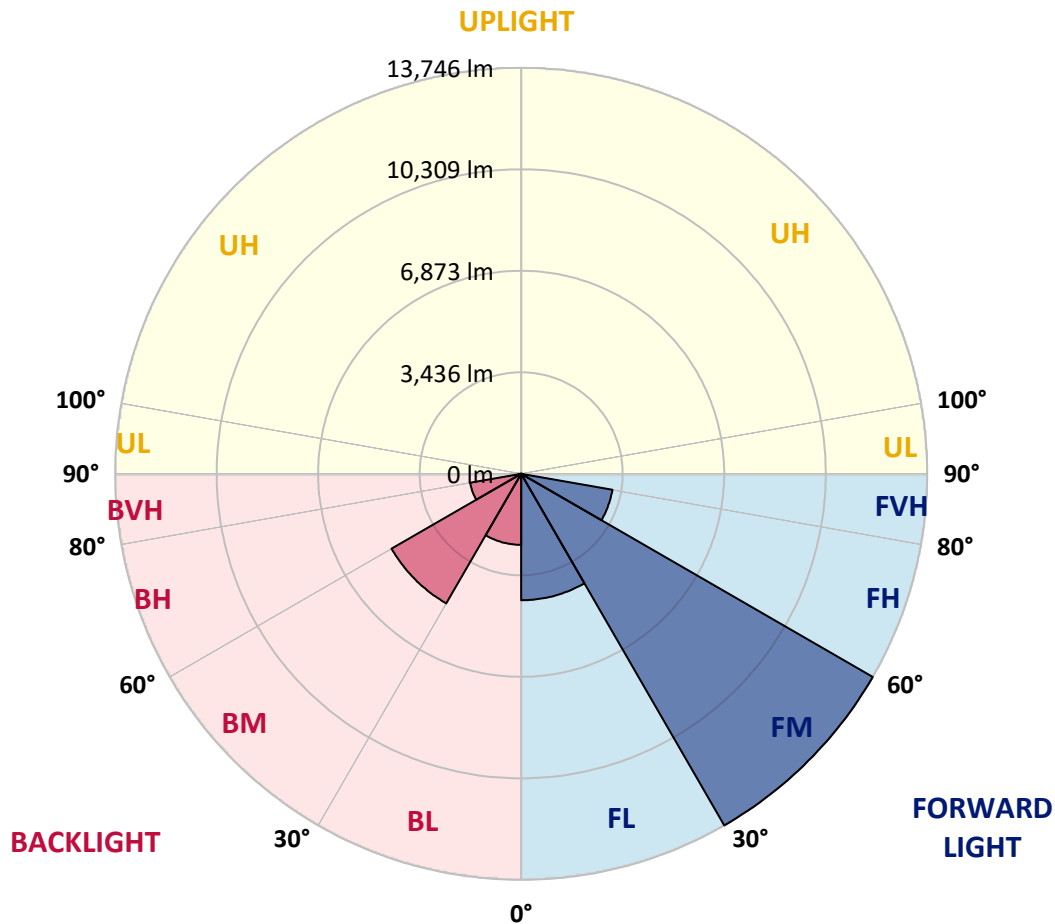
CATALOG NUMBER: GALN-SA9B-830-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4280.7	14.0			
FM	(30°-60°)	13745.6	45.0			
FH	(60°-80°)	3137.6	10.3			G2/5000
FVH	(80°-90°)	52.1	0.2			G1/100
BL	(0°-30°)	2404.5	7.9	B3/2500		
BM	(30°-60°)	5067.0	16.6	B4/8500		
BH	(60°-80°)	1752.9	5.7	B3/2500		G3/2500
BVH	(80°-90°)	88.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



REPORT NUMBER: P533956

CATALOG NUMBER: GALN-SA9B-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3
2.5°	14291.4	14211.2	14282.5	14621.3	14817.4	14951.2	15035.8	15022.5	14701.5	14389.5	14389.5
5°	13872.4	13769.9	13917.0	14683.7	15454.9	15521.7	15633.2	15450.4	14977.9	14407.3	13694.1
7.5°	12659.9	12735.7	12980.8	13988.3	14991.3	15495.0	15628.7	15396.9	14630.2	13564.8	12517.2
10°	11612.3	11790.6	12356.8	13444.4	14367.2	15022.5	15169.6	14844.2	14237.9	12931.8	11995.7
12.5°	11251.3	11139.8	11768.3	12856.0	13738.7	14090.8	14157.7	14180.0	13769.9	12610.9	11469.7
15°	11206.7	11278.0	11768.3	12593.0	13136.9	13154.7	13266.1	13440.0	13493.5	12829.3	11714.9
17.5°	11848.6	11763.9	12267.6	12922.9	12664.3	12405.8	12432.5	12682.2	13123.5	13016.5	12486.0
20°	12798.1	12989.8	13386.5	13319.6	12624.2	11968.9	11973.4	12209.7	13078.9	13792.1	13560.3
22.5°	14376.1	14563.3	14857.5	14050.7	12624.2	11839.7	11688.1	12009.1	13364.2	14714.9	14772.8
25°	15815.9	16159.2	16239.4	15289.9	13257.2	11960.0	11862.0	12178.5	13649.5	15615.3	16163.6
27.5°	17126.5	17251.3	17603.5	16087.9	13609.4	12040.3	12031.4	12437.0	14010.6	16065.6	17407.3
30°	18160.7	18147.3	18347.9	16591.6	14171.1	12490.5	12058.1	12824.8	14483.1	16810.0	18557.4
32.5°	18865.0	19016.6	19440.1	17291.4	14407.3	12918.4	12579.6	13279.5	15058.1	17162.2	19368.7
35°	20104.3	20367.3	19832.3	17679.3	15156.2	13341.9	12945.2	13899.1	15343.4	17545.5	20362.8
37.5°	21272.2	21071.6	20527.7	17888.8	15642.1	14126.5	13756.5	15098.3	16230.5	18379.1	21022.5
40°	22021.1	22016.6	21049.3	18058.2	15985.3	15325.6	15303.3	16315.2	17318.2	18905.1	21762.5
42.5°	22346.5	22658.5	21263.3	18040.3	16707.5	16778.8	17229.0	18134.0	18089.4	19012.1	21744.7
44°	22792.3	22979.5	21633.3	18080.5	17188.9	17759.5	18820.4	19395.5	18762.5	18954.2	21722.4
45°	22774.4	22787.8	21107.2	18134.0	17599.0	18579.7	19529.2	20501.0	19355.4	18829.4	22016.6
47.5°	22252.9	22101.3	20661.5	17737.2	18878.4	20746.2	21624.3	22212.8	20086.4	18561.9	21651.1
50°	21223.1	21049.3	19578.3	17567.8	19145.9	22092.4	23304.9	23518.9	20750.6	18298.9	21290.0
52.5°	21294.5	21245.4	19885.8	17821.9	19413.3	22515.9	24459.4	24512.9	21504.0	18851.6	21294.5
55°	22569.4	22400.0	20768.5	18138.4	19217.2	22021.1	23723.9	23630.3	21249.9	18517.3	21686.7
57.5°	20652.6	20764.0	19547.0	16885.8	16818.9	17902.2	18651.0	18419.2	17732.8	16711.9	20175.6
60°	16662.9	16979.4	17095.3	14122.0	12691.1	12133.9	11911.0	11500.9	11616.8	13729.7	17723.8
62.5°	14291.4	14273.6	15000.2	12802.5	8313.6	7150.2	7043.2	7136.8	8474.1	13515.8	17358.3
65°	11331.5	11634.6	11857.5	10850.1	6579.6	5309.1	5304.7	5897.5	7332.9	11295.8	14015.0
67.5°	7194.7	7591.5	7867.9	6940.7	4399.8	3780.1	3677.6	4390.8	5081.8	7408.7	8438.4
70°	4056.5	4243.7	4368.6	4003.0	2799.4	1961.4	1845.5	2014.9	3071.4	4796.5	5001.5
72.5°	1564.7	1649.4	1818.7	1832.1	1056.5	633.0	512.6	615.2	1292.7	1899.0	1809.8
75°	240.7	258.5	365.5	436.9	303.1	231.8	245.2	254.1	361.1	490.3	410.1
77.5°	115.9	115.9	111.4	129.3	151.6	164.9	178.3	196.1	214.0	236.3	227.3
80°	75.8	75.8	75.8	89.2	111.4	133.7	151.6	160.5	169.4	187.2	178.3
82.5°	49.0	49.0	49.0	66.9	89.2	111.4	120.4	142.6	160.5	187.2	173.9
85°	26.7	26.7	26.7	44.6	66.9	93.6	89.2	71.3	40.1	4.5	8.9
87.5°	8.9	8.9	8.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P533956

CATALOG NUMBER: GALN-SA9B-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3
2.5°	14015.0	13810.0	13792.1	13373.1	12998.7	12815.9	12668.8	12258.7	12347.8	12111.6	12107.1
5°	13337.5	12918.4	12240.9	11683.7	11126.4	11015.0	10529.1	10105.6	10119.0	9815.9	9869.4
7.5°	12120.5	11830.8	11006.1	10132.4	9392.4	8866.4	8407.2	8130.9	7778.7	7658.3	7595.9
10°	11349.3	10992.7	10065.5	8968.9	8139.8	7858.9	7417.6	7172.5	6811.4	6633.1	6508.3
12.5°	11010.5	10489.0	9330.0	8215.6	7662.8	7373.0	6998.6	6552.8	6124.9	5960.0	5732.6
15°	11046.2	10422.1	9116.0	7912.4	7248.2	6686.6	6352.2	5857.4	5420.6	5130.8	4965.9
17.5°	11585.6	10827.8	9214.1	7680.6	6726.7	6022.4	5367.1	4832.2	4484.5	4266.0	4212.5
20°	12860.5	11830.8	9379.0	7306.2	6205.1	5327.0	4520.1	3962.9	3695.4	3691.0	3695.4
22.5°	13921.4	12900.6	9713.3	7083.3	5683.6	4435.4	3633.0	3454.7	3401.2	3512.7	3526.0
25°	15352.3	14104.2	10288.4	6967.4	5202.1	3780.1	3285.3	3218.5	3214.0	3356.7	3361.1
27.5°	16818.9	15156.2	10631.6	6628.6	4711.8	3441.3	3075.8	3062.4	3133.8	3285.3	3272.0
30°	17817.5	16038.8	11251.3	6223.0	4132.3	3142.7	2991.1	3009.0	3107.0	3222.9	3240.8
32.5°	18980.9	16908.1	11411.7	6000.1	3775.7	2893.1	2786.1	2826.2	2951.0	3133.8	3231.8
35°	20313.8	17523.2	11656.9	5696.9	3641.9	2701.4	2647.9	2692.5	2844.0	2964.4	3071.4
37.5°	21298.9	18610.9	11701.5	5460.7	3494.8	2594.4	2509.7	2656.8	2745.9	2915.3	2968.8
40°	22030.0	19399.9	11817.4	5313.6	3378.9	2456.2	2456.2	2554.3	2674.6	2830.6	2937.6
42.5°	22498.0	19975.0	11902.1	5179.9	3156.1	2416.1	2393.8	2491.9	2652.3	2803.9	2852.9
44°	22783.3	20220.2	11817.4	5055.0	3093.6	2367.0	2367.0	2451.7	2576.6	2754.9	2812.8
45°	22854.7	20527.7	11630.2	5050.6	3017.9	2309.1	2300.2	2460.7	2545.4	2763.8	2799.4
47.5°	23131.0	20906.6	11652.4	4907.9	2835.1	2170.9	2326.9	2398.2	2474.0	2665.7	2786.1
50°	23122.1	21142.9	11603.4	4698.4	2701.4	2014.9	2273.4	2353.7	2429.5	2625.6	2674.6
52.5°	23184.5	22025.5	12053.6	4364.1	2460.7	1814.3	2095.1	2273.4	2367.0	2532.0	2634.5
55°	23153.3	22529.3	12499.4	4114.5	2121.9	1693.9	1943.6	2153.1	2286.8	2460.7	2509.7
57.5°	21147.4	19912.6	11567.8	3646.4	1756.3	1551.3	1729.6	2028.3	2197.6	2376.0	2438.4
60°	17278.1	15347.9	9539.5	2683.5	1444.3	1426.5	1609.2	1988.1	2059.5	2215.5	2322.5
62.5°	15967.5	13462.3	7564.7	2050.5	1234.8	1306.1	1484.4	1796.5	1907.9	2099.6	2197.6
65°	12495.0	8942.2	4685.1	1386.3	1087.7	1172.4	1341.8	1573.6	1756.3	1934.6	2050.5
67.5°	7399.8	4885.6	2318.0	971.8	949.5	1038.6	1212.5	1386.3	1595.9	1792.0	1849.9
70°	4029.8	2402.7	989.6	740.0	806.8	887.1	1056.5	1176.8	1377.4	1529.0	1627.1
72.5°	1292.7	731.1	494.8	548.3	615.2	708.8	811.3	958.4	1101.1	1190.2	1270.4
75°	312.0	307.6	352.2	383.4	445.8	517.1	601.8	677.6	789.0	873.7	945.0
77.5°	218.4	236.3	271.9	316.5	338.8	365.5	419.0	477.0	526.0	588.4	633.0
80°	169.4	182.8	209.5	231.8	254.1	276.4	303.1	325.4	356.6	396.7	419.0
82.5°	160.5	169.4	196.1	209.5	200.6	196.1	214.0	222.9	227.3	240.7	254.1
85°	13.4	0.0	8.9	31.2	75.8	111.4	120.4	120.4	115.9	124.8	124.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	17.8	13.4
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: P533956

CATALOG NUMBER: GALN-SA9B-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3
2.5°	12053.6	11902.1	11960.0	12031.4	11928.8	11692.6	11755.0	11728.2	11968.9	11951.1	12191.8
5°	10105.6	9869.4	9896.1	10243.8	10132.4	10252.7	10012.0	9980.8	10025.4	10047.7	10087.8
7.5°	7734.1	7702.9	7970.4	8264.6	8402.8	8260.1	8023.9	7970.4	7921.3	7823.3	8046.2
10°	6312.1	6321.0	6303.2	6526.1	6682.1	6650.9	6508.3	6490.4	6396.8	6361.1	6486.0
12.5°	5634.5	5514.2	5456.2	5384.9	5505.3	5585.5	5523.1	5478.5	5483.0	5527.6	5545.4
15°	4979.3	4903.5	4778.7	4698.4	4756.4	4716.3	4694.0	4783.1	4760.8	4751.9	4858.9
17.5°	4243.7	4306.1	4297.2	4208.1	4283.9	4252.7	4248.2	4185.8	4101.1	4038.7	4074.3
20°	3757.8	3873.7	3962.9	3967.4	4007.5	4003.0	3936.2	3744.5	3682.1	3668.7	3677.6
22.5°	3584.0	3646.4	3753.4	3905.0	3905.0	3833.6	3753.4	3530.5	3472.6	3410.1	3383.4
25°	3445.8	3566.2	3704.4	3722.2	3793.5	3726.6	3597.4	3485.9	3365.6	3280.9	3280.9
27.5°	3374.5	3508.2	3610.7	3641.9	3740.0	3686.5	3552.8	3410.1	3267.5	3263.0	3187.3
30°	3343.3	3468.1	3535.0	3610.7	3655.3	3570.6	3530.5	3378.9	3236.3	3200.6	3075.8
32.5°	3249.7	3428.0	3552.8	3535.0	3570.6	3535.0	3477.0	3352.2	3191.7	3111.5	3098.1
35°	3142.7	3321.0	3454.7	3548.3	3570.6	3494.8	3459.2	3289.8	3071.4	3031.2	2893.1
37.5°	3084.7	3191.7	3356.7	3508.2	3539.4	3499.3	3378.9	3205.1	2986.7	2942.1	2821.7
40°	3013.4	3151.6	3280.9	3405.7	3499.3	3401.2	3263.0	3093.6	2995.6	2861.8	2826.2
42.5°	2959.9	3115.9	3222.9	3361.1	3468.1	3338.8	3178.3	3062.4	2924.3	2835.1	2732.6
44°	2942.1	3084.7	3156.1	3325.4	3414.6	3316.5	3182.8	3062.4	2902.0	2821.7	2732.6
45°	2879.7	3075.8	3151.6	3303.2	3378.9	3298.7	3129.3	3009.0	2893.1	2795.0	2701.4
47.5°	2817.3	2951.0	3080.3	3200.6	3254.1	3227.4	3084.7	2937.6	2799.4	2741.5	2652.3
50°	2799.4	2933.2	3053.5	3165.0	3227.4	3173.9	3044.6	2902.0	2741.5	2647.9	2572.1
52.5°	2710.3	2875.2	3009.0	3044.6	3124.9	3093.6	2995.6	2839.6	2688.0	2607.8	2545.4
55°	2581.0	2754.9	2937.6	2982.2	3098.1	3049.1	2902.0	2754.9	2625.6	2505.2	2425.0
57.5°	2532.0	2701.4	2879.7	2937.6	3009.0	2928.7	2893.1	2737.0	2532.0	2469.6	2344.8
60°	2407.2	2621.1	2768.2	2902.0	2906.4	2884.1	2821.7	2643.4	2474.0	2358.1	2269.0
62.5°	2309.1	2509.7	2625.6	2750.4	2826.2	2763.8	2701.4	2536.4	2353.7	2224.4	2121.9
65°	2166.4	2349.2	2447.3	2523.1	2607.8	2598.8	2491.9	2371.5	2179.8	2077.3	1979.2
67.5°	1948.0	2108.5	2242.2	2313.6	2367.0	2353.7	2273.4	2188.7	1992.6	1890.1	1818.7
70°	1685.0	1849.9	1934.6	1974.8	2028.3	2055.0	1992.6	1952.5	1778.6	1644.9	1578.0
72.5°	1355.1	1462.1	1586.9	1622.6	1644.9	1662.7	1662.7	1627.1	1448.8	1395.3	1279.4
75°	998.5	1083.2	1176.8	1176.8	1217.0	1221.4	1230.3	1208.0	1074.3	1003.0	976.2
77.5°	677.6	740.0	815.8	847.0	873.7	869.3	864.8	802.4	731.1	699.9	673.1
80°	441.3	503.7	539.4	579.5	606.2	601.8	610.7	566.1	534.9	481.4	490.3
82.5°	263.0	312.0	347.7	396.7	396.7	410.1	410.1	396.7	365.5	338.8	338.8
85°	124.8	164.9	187.2	218.4	236.3	240.7	214.0	182.8	151.6	138.2	151.6
87.5°	22.3	31.2	44.6	40.1	49.0	44.6	44.6	44.6	44.6	35.7	40.1
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: P533956

CATALOG NUMBER: GALN-SA9B-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3	13618.3
2.5°	12102.7	12325.6	12481.6	12740.1	13185.9	13542.5	13908.0	14180.0	14211.2	14291.4
5°	10234.9	10355.3	10752.0	11269.1	11634.6	12236.4	12624.2	13328.5	13591.5	13872.4
7.5°	7992.7	8188.8	8719.3	9067.0	9869.4	10622.7	11402.8	12272.1	12619.8	12659.9
10°	6740.1	7025.3	7386.4	7943.6	8380.5	9218.5	10190.3	11157.6	11545.5	11612.3
12.5°	5919.8	6285.4	6766.8	7168.0	7587.0	8318.1	9249.7	10444.4	10948.1	11251.3
15°	5130.8	5509.7	6040.2	6597.4	6967.4	7841.1	8937.7	10283.9	10939.2	11206.7
17.5°	4319.5	4671.7	5108.5	5710.3	6454.8	7435.5	8888.7	10818.9	11536.5	11848.6
20°	3624.1	3820.3	4328.4	4948.1	5879.7	7020.9	8906.5	11607.9	12659.9	12798.1
22.5°	3352.2	3396.8	3597.4	4168.0	5188.8	6597.4	9223.0	12726.8	13921.4	14376.1
25°	3142.7	3133.8	3187.3	3570.6	4685.1	6432.5	9535.0	13756.5	15321.1	15815.9
27.5°	3026.8	2937.6	2942.1	3303.2	4328.4	6165.0	9936.2	14937.8	16908.1	17126.5
30°	2968.8	2951.0	2897.5	3044.6	3940.6	5763.8	10003.1	16101.2	17844.2	18160.7
32.5°	2933.2	2759.3	2692.5	2745.9	3575.1	5327.0	10252.7	16868.0	19003.2	18865.0
35°	2754.9	2598.8	2554.3	2607.8	3316.5	5081.8	10087.8	17536.6	19872.5	20104.3
37.5°	2688.0	2549.8	2460.7	2416.1	3075.8	4876.7	10003.1	18566.4	20715.0	21272.2
40°	2625.6	2478.5	2371.5	2326.9	2888.6	4604.8	9976.3	19359.8	21686.7	22021.1
42.5°	2554.3	2460.7	2340.3	2260.1	2661.3	4332.9	9668.8	19605.0	21985.4	22346.5
44°	2532.0	2389.3	2264.5	2237.8	2572.1	4194.7	9606.4	19827.9	22244.0	22792.3
45°	2509.7	2376.0	2233.3	2197.6	2540.9	4118.9	9521.7	19881.4	22671.9	22774.4
47.5°	2447.3	2362.6	2224.4	2126.3	2474.0	3954.0	9267.6	19578.3	22235.0	22252.9
50°	2398.2	2300.2	2157.5	1965.8	2384.9	3815.8	9383.5	19466.8	21183.0	21223.1
52.5°	2344.8	2197.6	2117.4	1787.5	2237.8	3699.9	9628.6	19970.5	21303.4	21294.5
55°	2282.3	2121.9	1925.7	1636.0	1992.6	3552.8	10221.5	20964.6	22417.8	22569.4
57.5°	2184.3	2046.1	1765.3	1502.2	1711.8	3272.0	10029.8	19061.2	20625.8	20652.6
60°	2055.0	1925.7	1600.3	1399.7	1404.2	2581.0	8968.9	14853.1	16275.1	16662.9
62.5°	1930.2	1858.9	1462.1	1252.6	1194.7	2055.0	7582.6	12343.4	13970.5	14291.4
65°	1783.1	1609.2	1341.8	1141.2	1025.3	1439.8	5371.5	9223.0	10899.1	11331.5
67.5°	1595.9	1408.6	1181.3	1003.0	878.2	962.9	2772.7	5242.3	6940.7	7194.7
70°	1395.3	1221.4	994.1	847.0	708.8	664.2	1221.4	2500.8	3793.5	4056.5
72.5°	1145.6	985.2	793.5	668.7	530.5	459.1	410.1	668.7	1346.2	1564.7
75°	829.1	717.7	597.3	477.0	374.4	294.2	240.7	200.6	222.9	240.7
77.5°	610.7	521.6	441.3	338.8	263.0	209.5	164.9	124.8	120.4	115.9
80°	477.0	423.5	352.2	271.9	205.1	156.0	115.9	84.7	75.8	75.8
82.5°	374.4	347.7	289.8	222.9	169.4	124.8	84.7	58.0	49.0	49.0
85°	142.6	142.6	209.5	182.8	129.3	89.2	58.0	31.2	26.7	26.7
87.5°	35.7	35.7	35.7	35.7	31.2	26.7	26.7	13.4	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)