

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: P533490

Luminaire Tested: **GALN-SA8D-830-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8D-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36969 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 493
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



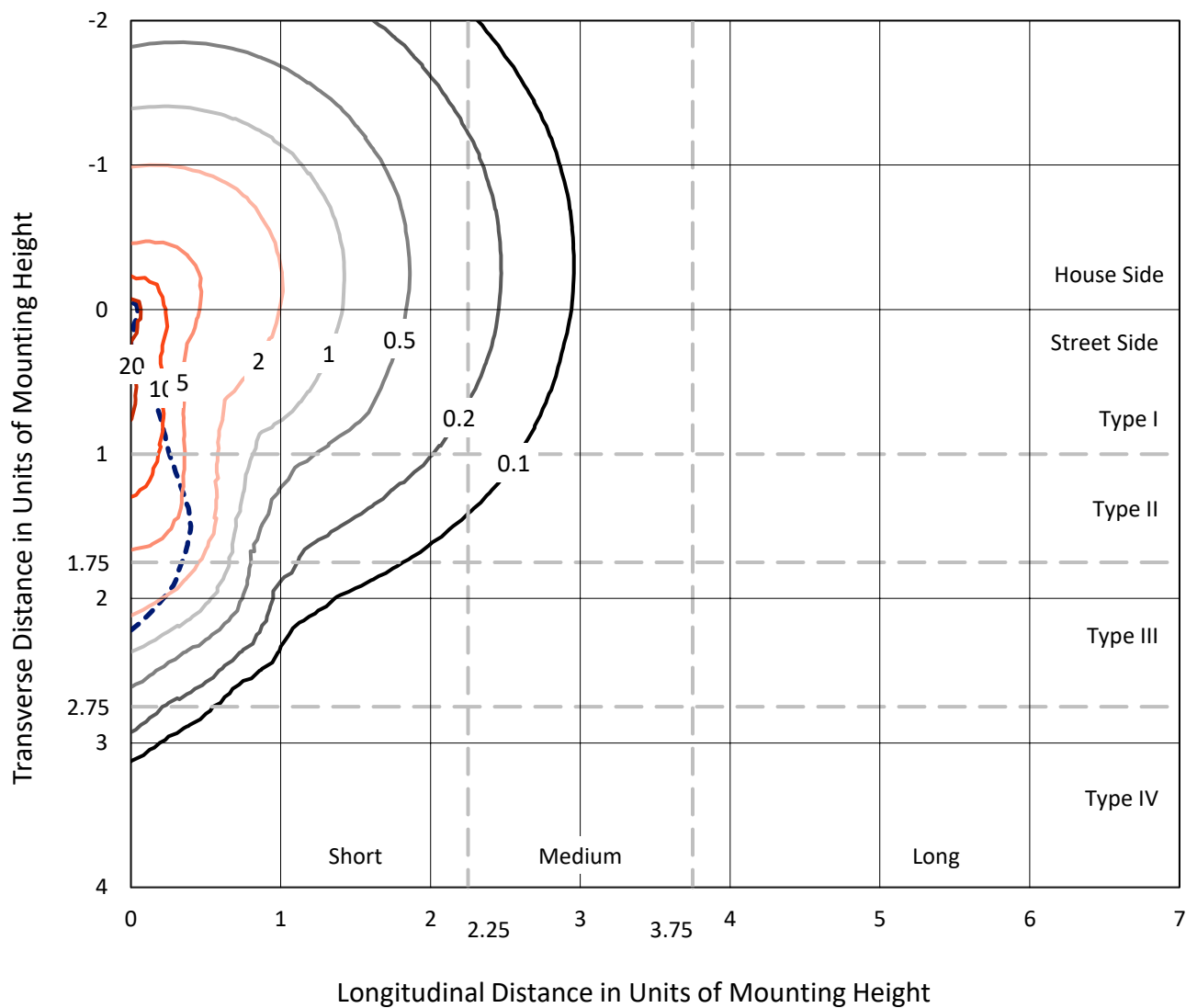
REPORT NUMBER: P533490

CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

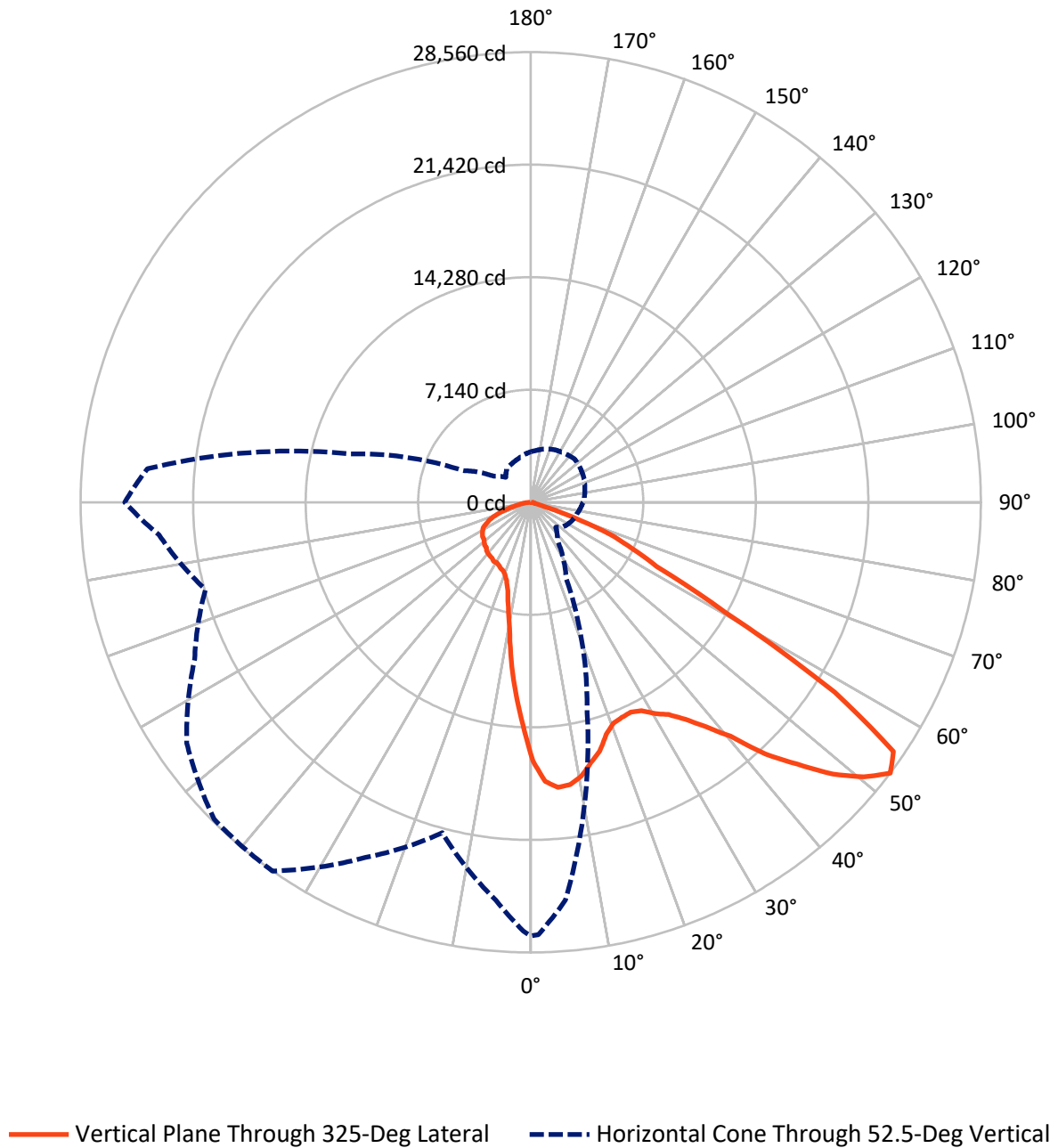


Based on 25 foot mounting height. Maximum calculated value = 26.3 fc

Type III - Short - N/A

REPORT NUMBER: P533490
CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533490

CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

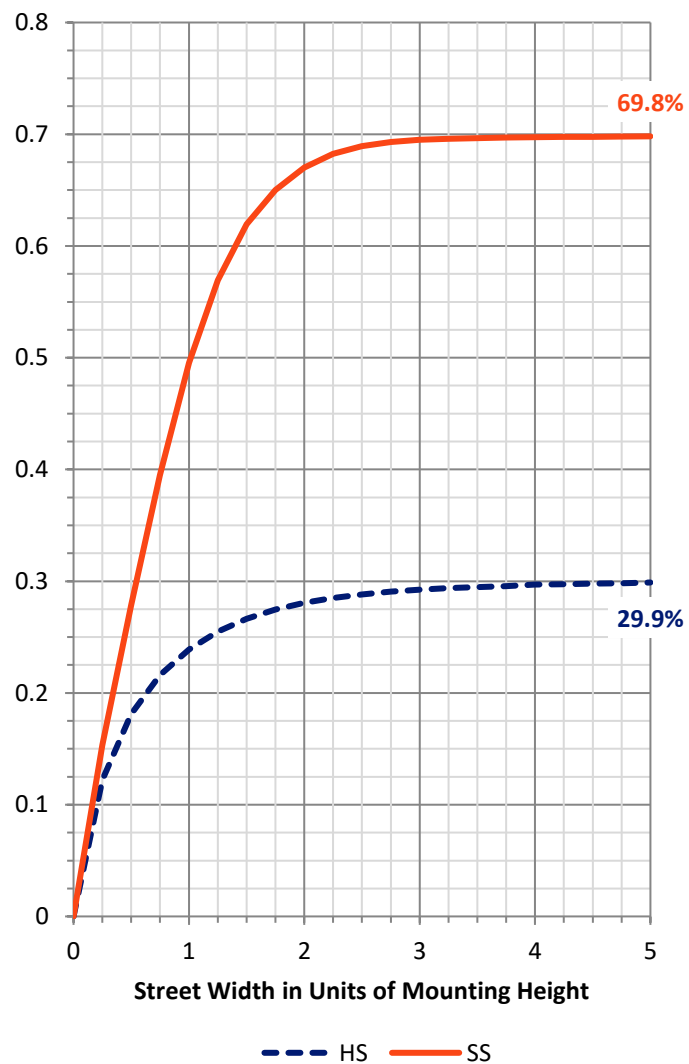
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11144.6	0.0	11144.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	25824.4	0.0	25824.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	36969.0	0.0	36969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1251.7	3.4
10°-20°	2713.5	7.3
20°-30°	4099.9	11.1
30°-40°	5924.6	16.0
40°-50°	7884.5	21.3
50°-60°	8819.1	23.9
60°-70°	4970.4	13.4
70°-80°	1108.0	3.0
80°-90°	197.3	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°	36969.0	100.0
0°-180°	36969.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533490

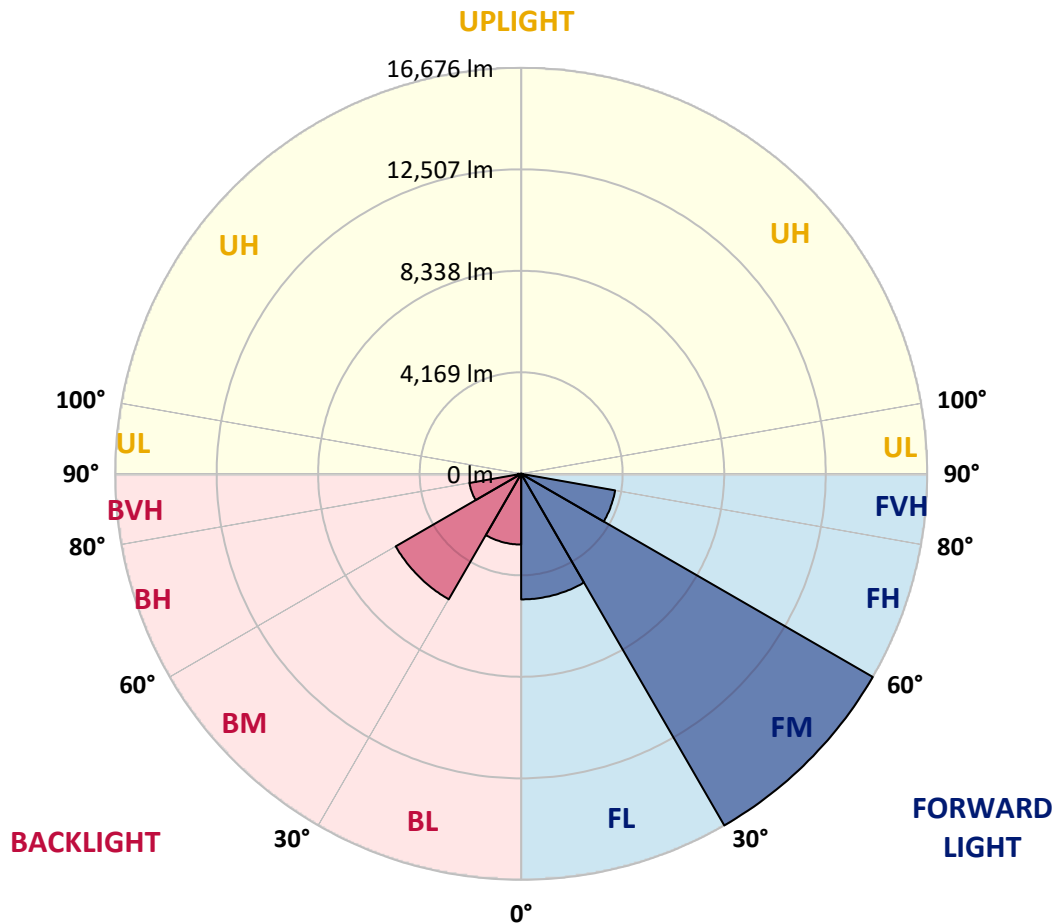
CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5158.9	14.0			
FM	(30°-60°)	16675.9	45.1			
FH	(60°-80°)	3918.2	10.6			G2/5000
FVH	(80°-90°)	71.4	0.2			G1/100
BL	(0°-30°)	2906.2	7.9	B4/5000		
BM	(30°-60°)	5952.3	16.1	B4/8500		
BH	(60°-80°)	2160.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	125.8	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short



REPORT NUMBER: P533490

CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1
2.5°	16680.3	16948.3	16658.9	16144.5	15780.2	15447.9	15099.6	15030.0	14574.5	14494.2	14161.9
5°	15731.9	15673.0	15319.3	14644.2	13899.4	13224.2	12725.9	12243.7	11916.8	11536.4	11509.6
7.5°	14579.9	14237.0	14033.3	13009.9	12088.3	11027.4	10571.9	9837.8	9607.4	9264.5	9087.7
10°	13551.1	13299.3	12822.4	11798.9	10513.0	9811.0	9323.4	8926.9	8659.0	8305.3	7860.6
12.5°	13042.1	12940.3	12404.4	10818.4	9864.6	9114.4	8771.5	8385.7	7930.3	7362.3	7142.6
15°	13133.2	12790.2	12383.0	10630.8	9312.7	8589.3	8042.8	7560.5	6976.5	6435.3	6119.2
17.5°	13813.7	13551.1	12736.6	10748.7	9103.7	8058.9	7067.6	6354.9	5829.8	5342.2	5122.5
20°	15153.2	14772.8	13856.5	10898.8	8653.6	7319.4	6183.5	5304.7	4742.1	4484.9	4409.9
22.5°	16637.5	16412.4	14949.6	11236.3	8294.6	6633.6	5245.8	4367.0	4158.0	4088.4	4227.7
25°	18443.2	17859.2	16648.2	11788.2	8016.0	6049.5	4452.7	3965.1	3858.0	3927.6	4088.4
27.5°	19814.9	19659.5	17837.7	12308.0	7635.6	5347.6	4008.0	3686.5	3718.6	3788.3	3938.3
30°	21443.9	20656.2	18989.8	12667.0	7292.6	4865.3	3697.2	3611.5	3643.6	3761.5	3836.5
32.5°	22424.4	22129.7	19713.1	13208.2	6896.1	4447.4	3456.1	3375.7	3423.9	3600.8	3777.6
35°	23672.9	23088.9	20608.0	13347.5	6617.5	4281.3	3284.6	3225.7	3338.2	3461.5	3659.7
37.5°	25130.4	24728.5	21845.7	13251.0	6467.5	4109.8	3140.0	3113.2	3193.5	3365.0	3595.4
40°	25993.0	25869.8	22494.1	13310.0	6231.7	3959.8	2973.8	3006.0	3172.1	3306.1	3531.1
42.5°	26823.6	26019.8	23453.2	13288.5	6081.7	3756.2	2989.9	2952.4	3081.0	3236.4	3450.7
45°	27005.8	26207.4	23678.3	13138.5	5899.5	3557.9	2866.7	2882.8	3038.1	3231.0	3370.4
47.5°	26887.9	26298.5	24096.2	13095.6	5728.0	3418.6	2684.5	2877.4	2968.5	3123.9	3322.1
50°	26807.5	26775.4	24449.9	13299.3	5497.6	3198.9	2464.8	2807.7	2898.8	3054.2	3268.6
52.5°	27514.8	27445.1	25334.0	13835.1	5315.4	2963.1	2239.8	2630.9	2850.6	3000.6	3209.6
55°	27943.5	27638.0	26850.4	14494.2	5010.0	2652.4	2084.4	2411.2	2732.7	2866.7	3081.0
57.5°	25135.7	24926.7	24289.1	13529.7	4495.6	2245.1	1891.5	2186.2	2572.0	2781.0	3000.6
60°	20913.4	20586.5	18952.3	11498.9	3316.8	1746.8	1773.6	2009.4	2529.1	2609.5	2866.7
62.5°	19718.5	18909.4	16685.7	9253.8	2545.2	1500.3	1591.4	1848.6	2304.1	2438.0	2695.2
65°	15646.2	15046.1	11938.3	6681.8	1703.9	1302.1	1452.1	1666.4	1987.9	2250.5	2486.2
67.5°	9794.9	9221.6	6371.0	3161.4	1189.5	1114.5	1296.7	1521.8	1784.3	2020.1	2282.6
70°	5117.2	4490.2	2941.7	1141.3	819.8	910.9	1082.4	1296.7	1553.9	1746.8	1950.4
72.5°	1907.5	1548.5	959.1	493.0	568.0	696.6	878.8	1034.1	1216.3	1452.1	1564.6
75°	294.7	251.8	246.5	300.1	385.8	503.7	626.9	782.3	943.1	1093.1	1168.1
77.5°	139.3	134.0	150.0	198.3	257.2	359.0	455.5	605.5	734.1	830.5	873.4
80°	91.1	85.7	96.4	134.0	192.9	267.9	364.4	466.2	584.1	664.4	653.7
82.5°	53.6	58.9	58.9	91.1	134.0	192.9	262.6	353.6	434.0	503.7	460.8
85°	32.1	26.8	26.8	53.6	91.1	155.4	219.7	150.0	155.4	155.4	176.8
87.5°	10.7	10.7	10.7	5.4	10.7	10.7	16.1	26.8	32.1	37.5	48.2
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: P533490

CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1
2.5°	14151.2	14317.3	14258.4	14049.4	14210.2	14237.0	14129.8	14499.5	14569.2	14456.7	14488.8
5°	11472.1	11515.0	11611.4	11815.0	11959.7	12131.2	12131.2	12141.9	11997.2	12361.6	12254.4
7.5°	8937.6	8964.4	9076.9	9511.0	9634.2	9961.1	10100.4	10003.9	9714.6	9591.3	9693.1
10°	7715.9	7560.5	7523.0	7576.6	7855.2	7994.6	8112.4	8080.3	8032.1	7935.6	7828.5
12.5°	6901.5	6788.9	6697.9	6569.3	6585.3	6719.3	6810.4	6735.4	6756.8	6778.2	6810.4
15°	6017.4	5937.0	5888.8	5695.9	5674.4	5765.5	5797.7	5840.5	5920.9	5926.3	5888.8
17.5°	5079.7	5010.0	5117.2	5224.3	5149.3	5154.7	5213.6	5251.1	5229.7	5133.2	5085.0
20°	4436.7	4511.7	4618.8	4720.6	4801.0	4849.2	4870.7	4811.7	4742.1	4543.8	4538.5
22.5°	4249.1	4345.6	4436.7	4592.1	4667.1	4790.3	4677.8	4543.8	4447.4	4350.9	4238.4
25°	4109.8	4190.2	4372.4	4431.3	4576.0	4677.8	4597.4	4463.5	4297.3	4158.0	4072.3
27.5°	4008.0	4099.1	4217.0	4377.7	4490.2	4549.2	4468.8	4415.2	4243.8	4077.7	3954.4
30°	3943.7	4040.1	4254.5	4388.4	4484.9	4533.1	4393.8	4329.5	4206.3	4066.9	3959.8
32.5°	3900.8	3986.6	4168.7	4340.2	4404.5	4404.5	4425.9	4350.9	4179.5	3943.7	3852.6
35°	3761.5	3879.4	4029.4	4227.7	4345.6	4415.2	4308.1	4222.3	4109.8	3868.7	3702.6
37.5°	3681.1	3761.5	3954.4	4142.0	4243.8	4318.8	4275.9	4125.9	3975.8	3777.6	3643.6
40°	3595.4	3724.0	3895.5	4072.3	4184.8	4259.8	4227.7	4050.9	3868.7	3681.1	3590.1
42.5°	3536.5	3622.2	3799.0	3997.3	4131.2	4275.9	4179.5	3959.8	3831.2	3574.0	3472.2
45°	3488.2	3627.6	3815.1	3895.5	4034.8	4184.8	4013.4	3879.4	3729.4	3541.8	3456.1
47.5°	3429.3	3557.9	3681.1	3895.5	3959.8	4029.4	3997.3	3782.9	3654.4	3450.7	3391.8
50°	3407.9	3456.1	3681.1	3799.0	3890.1	3959.8	3874.0	3713.3	3590.1	3381.1	3252.5
52.5°	3322.1	3413.2	3557.9	3713.3	3825.8	3911.5	3772.2	3670.4	3504.3	3284.6	3204.3
55°	3215.0	3268.6	3525.8	3686.5	3745.4	3804.4	3750.8	3584.7	3413.2	3188.2	3107.8
57.5°	3075.7	3198.9	3407.9	3632.9	3707.9	3740.1	3654.4	3520.4	3306.1	3107.8	2979.2
60°	2931.0	3059.6	3290.0	3472.2	3547.2	3665.1	3536.5	3456.1	3209.6	2989.9	2850.6
62.5°	2786.3	2931.0	3102.4	3332.9	3397.2	3445.4	3413.2	3300.7	3102.4	2856.0	2684.5
65°	2614.8	2722.0	2936.3	3054.2	3097.1	3209.6	3097.1	3054.2	2877.4	2641.6	2497.0
67.5°	2357.6	2448.7	2636.3	2748.8	2781.0	2829.2	2823.8	2775.6	2577.3	2416.6	2288.0
70°	2062.9	2143.3	2261.2	2395.2	2411.2	2470.2	2416.6	2405.9	2277.3	2057.6	1987.9
72.5°	1655.7	1730.7	1886.1	1945.1	1950.4	1971.8	1945.1	1907.5	1875.4	1645.0	1575.3
75°	1269.9	1312.8	1387.8	1441.4	1441.4	1468.2	1452.1	1414.6	1328.9	1184.2	1114.5
77.5°	884.1	927.0	1023.4	1055.6	1050.2	1060.9	1012.7	975.2	846.6	771.6	712.7
80°	643.0	669.8	718.0	739.4	744.8	760.9	701.9	669.8	594.8	509.0	482.2
82.5°	466.2	482.2	487.6	514.4	514.4	487.6	471.5	439.4	385.8	332.2	310.8
85°	192.9	198.3	203.6	235.8	241.1	289.3	267.9	251.8	219.7	187.5	171.5
87.5°	48.2	53.6	69.7	58.9	69.7	69.7	75.0	85.7	85.7	69.7	69.7
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: P533490

CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1
2.5°	14612.0	14654.9	15201.5	15271.1	15539.0	15812.3	16364.2	16760.7	17082.2	17291.2	17350.1
5°	12366.9	12640.2	12892.0	13299.3	13669.0	14194.1	14799.6	15549.7	16492.8	16975.0	17167.9
7.5°	9682.4	10003.9	10368.3	10764.8	11306.0	12249.0	13058.1	13926.2	15131.8	15630.1	16385.6
10°	7903.5	8262.5	8744.7	9050.1	9703.9	10604.0	11547.1	12549.1	13701.1	14419.1	15292.5
12.5°	6987.2	7281.9	7726.6	8369.6	8857.2	9441.3	10143.2	11407.8	13058.1	13738.6	14338.8
15°	5974.5	6301.3	6815.7	7528.4	8112.4	8809.0	9596.7	10973.8	12731.3	13781.5	14290.5
17.5°	5138.6	5374.4	5915.5	6531.7	7201.5	7962.4	9093.0	10952.3	13074.2	14419.1	15249.7
20°	4559.9	4592.1	4886.8	5411.9	6322.8	7314.1	8782.2	10845.2	14172.7	15517.6	16567.8
22.5°	4195.5	4163.4	4168.7	4613.5	5251.1	6676.4	8294.6	11209.5	15421.1	17264.4	17971.7
25°	4013.4	3927.6	3874.0	3970.5	4549.2	5920.9	7924.9	11691.8	16766.1	18705.8	19573.8
27.5°	3916.9	3766.9	3659.7	3675.8	4099.1	5540.5	7694.5	11900.8	18100.3	20715.1	21020.6
30°	3879.4	3691.9	3536.5	3482.9	3761.5	5010.0	7201.5	12259.8	19295.2	21818.9	22081.5
32.5°	3745.4	3515.0	3365.0	3316.8	3429.3	4543.8	6847.9	12517.0	20350.8	23019.2	22928.1
35°	3590.1	3397.2	3209.6	3118.5	3198.9	4243.8	6563.9	12393.7	21593.9	23951.5	23903.3
37.5°	3574.0	3322.1	3166.7	3016.7	3011.4	3874.0	6178.1	12511.6	22386.9	25623.3	24964.3
40°	3434.7	3273.9	3070.3	2947.1	2877.4	3686.5	5803.0	12233.0	23549.7	26298.5	25650.1
42.5°	3440.0	3198.9	3022.1	2877.4	2807.7	3413.2	5545.8	12157.9	23956.9	27396.9	25971.6
45°	3354.3	3118.5	2968.5	2797.0	2759.5	3204.3	5299.3	11809.7	24674.9	27450.5	25569.7
47.5°	3268.6	3059.6	2898.8	2695.2	2609.5	3129.2	5106.4	11520.3	24299.8	26946.8	25012.5
50°	3209.6	2968.5	2818.5	2673.8	2432.7	3000.6	4854.6	11450.7	23774.7	26266.3	23978.3
52.5°	3107.8	2893.5	2738.1	2625.6	2239.8	2882.8	4758.2	11857.9	24417.7	25757.3	23678.3
55°	3011.4	2791.7	2593.4	2373.7	2079.0	2572.0	4490.2	12238.3	25355.4	26930.7	25039.3
57.5°	2909.5	2700.6	2486.2	2223.7	1923.6	2250.5	4211.6	12308.0	23597.9	24889.2	23769.4
60°	2775.6	2507.7	2346.9	2004.0	1757.5	1864.7	3338.2	10850.5	18303.9	20784.8	20822.3
62.5°	2625.6	2336.2	2196.9	1795.0	1586.1	1607.5	2722.0	9119.8	14847.8	17205.5	18228.9
65°	2427.3	2148.7	1982.6	1661.1	1462.8	1393.2	1993.3	6681.8	11279.2	13958.3	15121.1
67.5°	2170.1	1907.5	1698.6	1446.7	1307.4	1194.9	1361.0	3761.5	6660.3	9371.6	9725.3
70°	1896.8	1671.8	1452.1	1243.1	1087.7	1007.4	996.6	1666.4	3182.8	5042.1	5738.7
72.5°	1495.0	1334.2	1157.4	1002.0	900.2	782.3	712.7	691.2	1077.0	2052.2	2834.5
75°	1071.7	937.7	835.9	734.1	659.1	594.8	541.2	493.0	450.1	514.4	707.3
77.5°	675.1	626.9	546.5	519.8	476.9	460.8	439.4	412.6	380.4	359.0	359.0
80°	455.5	423.3	396.5	391.2	375.1	369.7	375.1	348.3	316.1	289.3	300.1
82.5°	305.4	300.1	294.7	289.3	294.7	300.1	310.8	305.4	278.6	262.6	267.9
85°	182.2	192.9	203.6	214.3	235.8	209.0	171.5	144.7	128.6	117.9	112.5
87.5°	69.7	96.4	85.7	80.4	85.7	80.4	75.0	69.7	58.9	53.6	53.6
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: P533490

CATALOG NUMBER: GALN-SA8D-830-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1	16407.1
2.5°	17741.3	17848.4	17939.5	17918.1	17730.6	17478.7	17376.9	16857.2	16750.0	16680.3
5°	17982.4	18604.0	18737.9	18657.5	18169.9	17553.7	16953.6	16192.7	15748.0	15731.9
7.5°	17537.7	18303.9	18545.0	18727.2	18078.9	17007.2	15978.4	14837.1	14558.5	14579.9
10°	16407.1	17628.8	18223.5	18411.1	17666.3	16739.3	15314.0	14156.6	13561.8	13551.1
12.5°	15780.2	16739.3	16905.4	17167.9	16948.3	16010.6	14928.2	13631.5	13052.8	13042.1
15°	15222.9	15855.2	15903.4	16273.1	16391.0	15758.7	15030.0	13647.6	13181.4	13133.2
17.5°	15710.5	15271.1	15088.9	15137.2	15485.4	15715.9	15619.4	14558.5	14081.6	13813.7
20°	16037.3	15056.8	14504.9	14558.5	14971.0	15812.3	16498.2	15876.6	15121.1	15153.2
22.5°	16910.7	15088.9	14226.2	14167.3	14821.0	16316.0	17489.4	17543.0	16814.3	16637.5
25°	18218.2	15458.7	14140.5	14124.4	14751.4	16857.2	18646.8	19514.9	18770.1	18443.2
27.5°	19268.4	16037.3	14408.4	14462.0	14971.0	17296.5	19632.8	20784.8	20216.8	19814.9
30°	20190.0	16637.5	14783.5	14537.0	15560.5	17527.0	20056.1	22231.5	21776.1	21443.9
32.5°	20570.5	17489.4	15378.3	14971.0	16048.1	17805.6	20934.8	23635.4	23244.2	22424.4
35°	21213.5	17966.3	15699.8	15667.6	16900.0	18475.4	21347.4	24562.4	24401.6	23672.9
37.5°	21727.8	18448.6	16841.1	16487.4	18068.1	19600.6	22011.8	25843.0	25473.3	25130.4
40°	22124.4	19311.3	17907.4	18373.6	19504.2	20624.0	22622.7	25923.4	26989.7	25993.0
42.5°	21760.0	20082.9	19659.5	20774.1	21845.7	21792.1	22692.3	26544.9	27343.3	26823.6
45°	21668.9	21390.3	22429.8	23442.5	23689.0	22762.0	22194.0	25859.1	27236.2	27005.8
47.5°	21449.2	22676.3	24487.4	26137.7	25762.6	23410.3	21599.2	25735.8	27300.5	26887.9
50°	21374.2	22954.9	26009.1	27616.6	27391.6	23973.0	21320.6	24942.8	26845.0	26807.5
52.5°	21368.8	23528.2	26641.4	28420.3	28559.7	24862.4	21701.1	25344.7	27198.7	27514.8
55°	21610.0	23346.0	26561.0	27975.6	27922.0	24465.9	21743.9	25612.6	27632.7	27943.5
57.5°	20382.9	20913.4	21920.7	23040.6	22751.3	20265.0	19418.4	23678.3	25360.8	25135.7
60°	17602.0	15940.9	14804.9	14751.4	14188.7	13411.8	15892.7	21133.1	21133.1	20913.4
62.5°	15415.8	10464.7	8991.2	8573.3	8975.1	9870.0	15330.1	20554.4	19970.3	19718.5
65°	13481.4	7989.2	6499.6	6381.7	7078.3	8428.6	13861.9	17510.9	16482.1	15646.2
67.5°	8675.1	5851.2	4833.2	4624.2	5465.5	6188.8	9227.0	10770.2	10121.8	9794.9
70°	5594.0	3809.7	2689.9	2523.8	2850.6	3815.1	5894.1	6279.9	5336.9	5117.2
72.5°	2647.0	1645.0	943.1	777.0	873.4	1457.5	2330.9	2507.7	2084.4	1907.5
75°	841.3	605.5	385.8	332.2	316.1	375.1	535.8	412.6	300.1	294.7
77.5°	375.1	359.0	305.4	257.2	225.0	187.5	155.4	128.6	134.0	139.3
80°	310.8	284.0	251.8	225.0	187.5	144.7	112.5	85.7	85.7	91.1
82.5°	273.3	246.5	219.7	187.5	160.7	117.9	85.7	58.9	53.6	53.6
85°	117.9	139.3	150.0	160.7	128.6	96.4	58.9	37.5	32.1	32.1
87.5°	48.2	42.9	37.5	32.1	26.8	26.8	21.4	16.1	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)