

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: P532993

Luminaire Tested: **GALN-SA8B-827-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-827-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18674 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

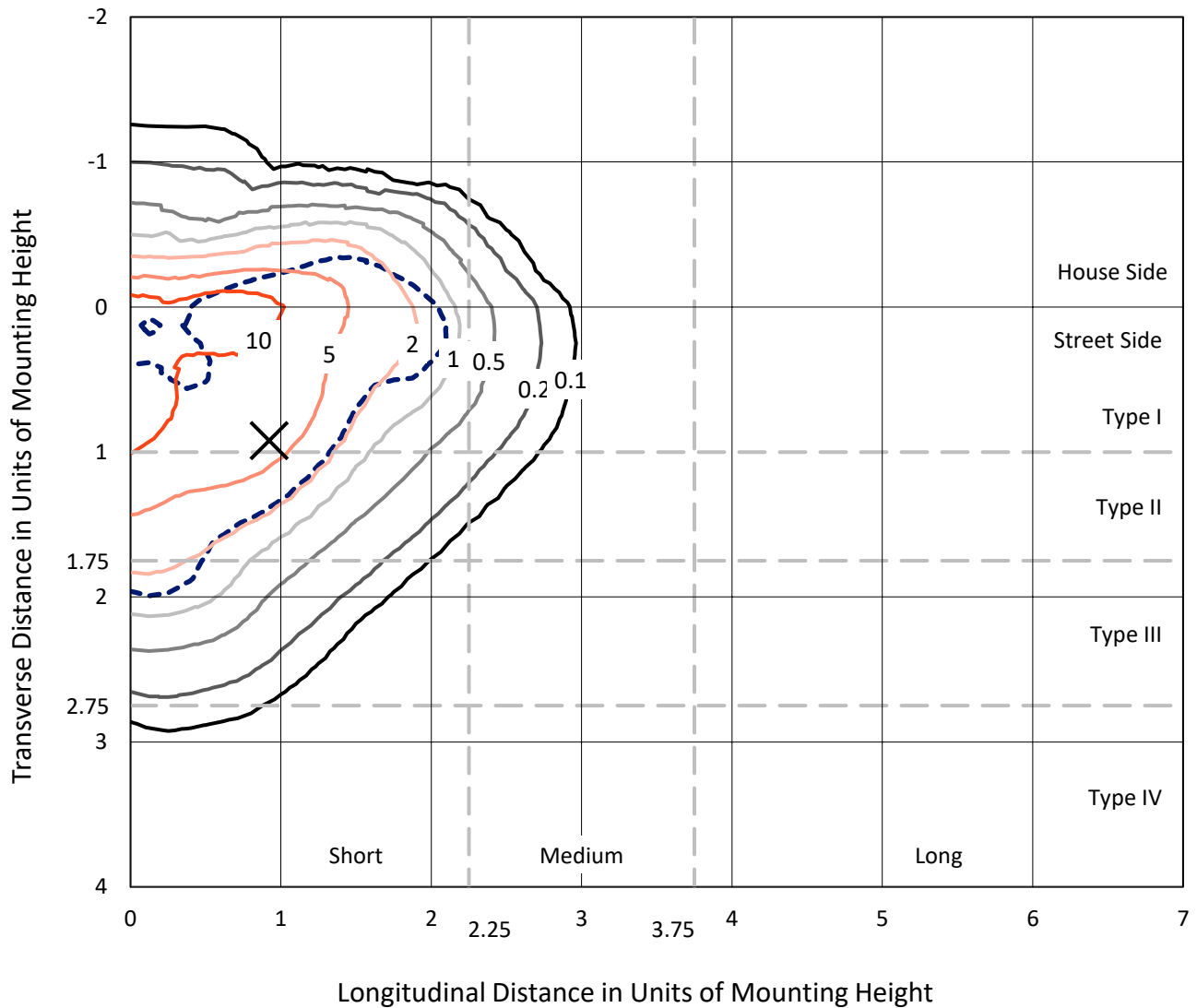
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532993
 CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

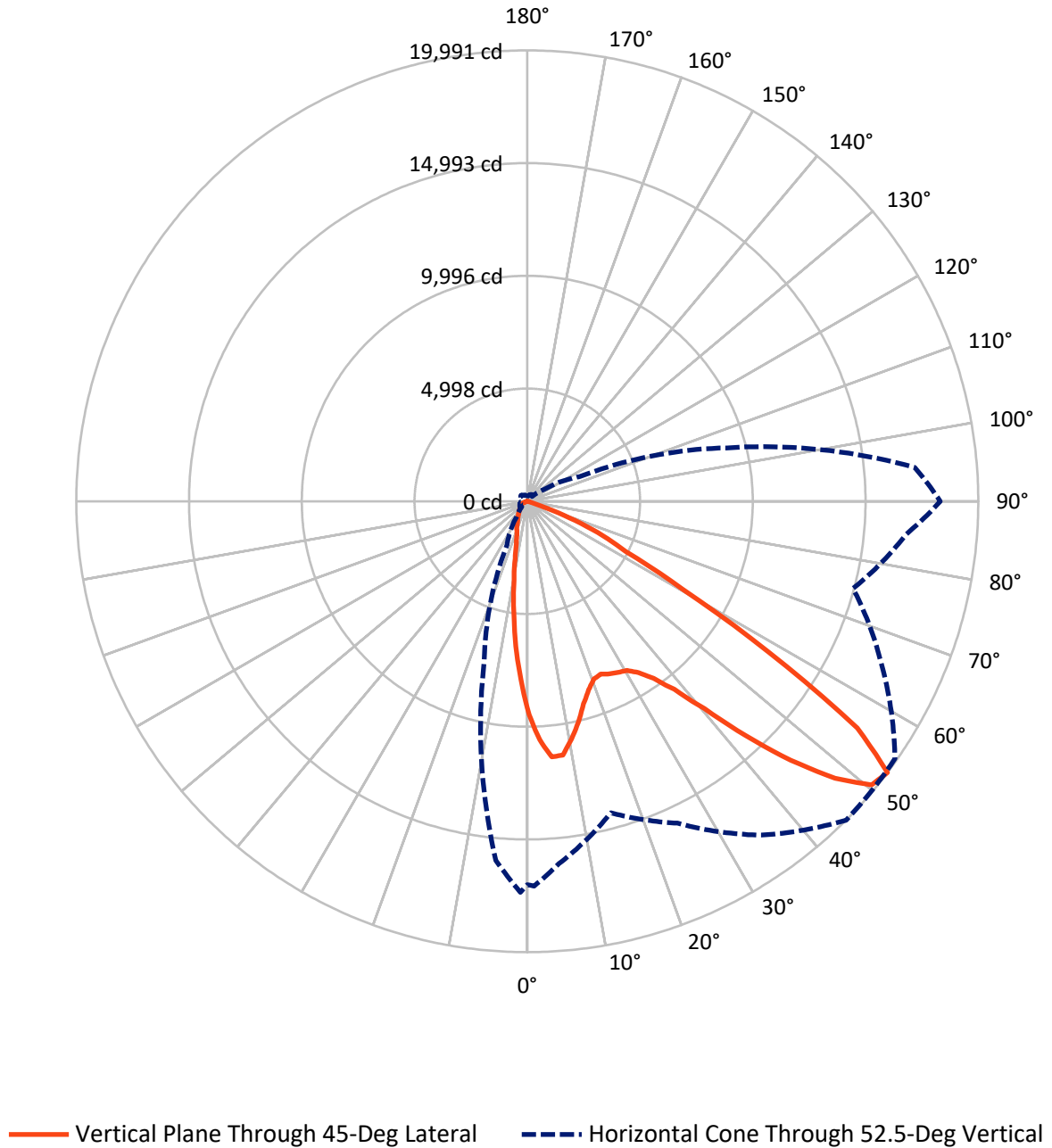
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Short - N/A

REPORT NUMBER: P532993
CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532993
 CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

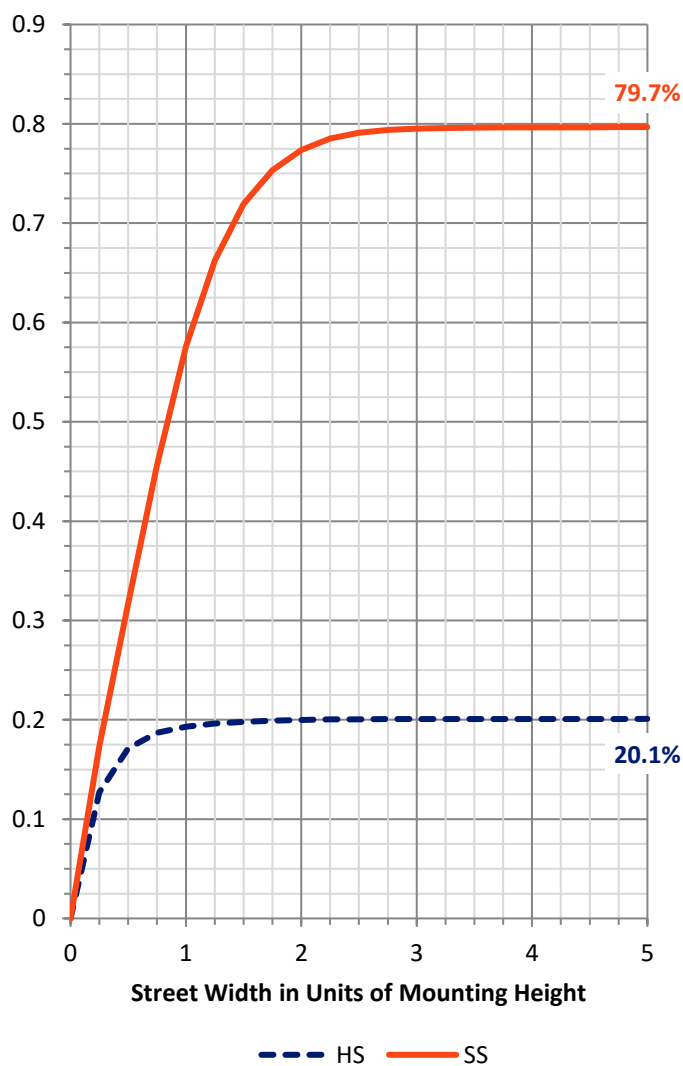
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3789.9	0.0	3789.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	14884.1	0.0	14884.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	18674.0	0.0	18674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.5	3.7
10°-20°	1362.4	7.3
20°-30°	2073.3	11.1
30°-40°	3098.8	16.6
40°-50°	4413.0	23.6
50°-60°	4743.9	25.4
60°-70°	2102.1	11.3
70°-80°	170.1	0.9
80°-90°	19.8	0.1
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°	18674.0	100.0
0°-180°	18674.0	100.0

Coefficient of Utilization

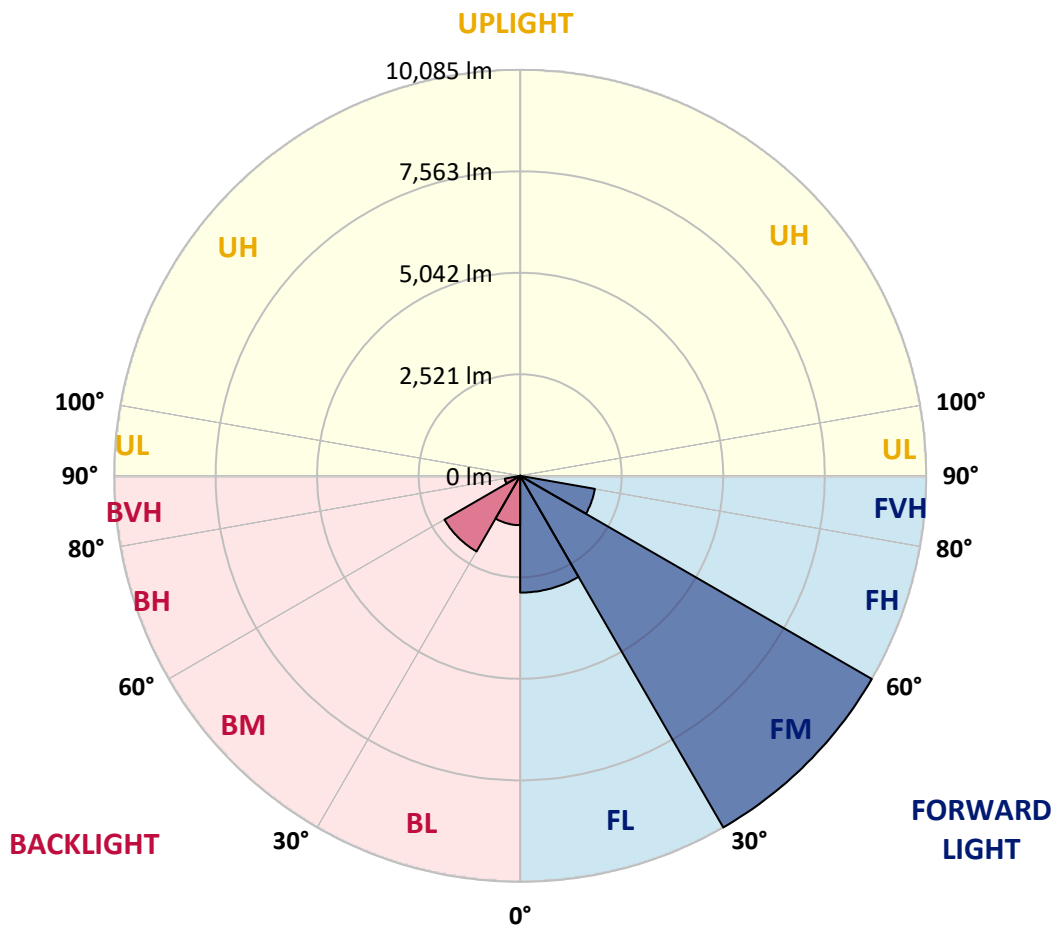


REPORT NUMBER: P532993
 CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2900.5	15.5			
FM (30°-60°)	10084.5	54.0			
FH (60°-80°)	1884.4	10.1			G2/5000
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	1225.8	6.6	B3/2500		
BM (30°-60°)	2171.2	11.6	B2/2500		
BH (60°-80°)	387.8	2.1	B1/500		G1/500
BVH (80°-90°)	5.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





REPORT NUMBER: P532993

CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6
2.5°	10019.5	10048.9	10210.5	10412.5	10519.0	10761.4	10592.5	10636.5	10544.7	10221.5	9968.1
5°	9714.7	9711.0	9916.7	10416.2	10890.0	11371.1	11385.8	11128.7	10677.0	10181.1	9472.3
7.5°	8796.5	8939.7	9152.7	9949.7	10827.5	11187.5	11360.1	11058.9	10364.8	9655.9	8888.3
10°	8102.3	8175.7	8535.7	9498.0	10140.7	10621.9	10728.4	10555.7	10023.2	9138.0	8278.6
12.5°	7701.9	7738.7	8161.1	8969.1	9648.6	10004.8	10056.2	10137.0	9755.1	8925.0	7892.9
15°	7705.6	7735.0	8304.3	8980.1	9248.2	9152.7	9321.7	9318.0	9483.3	8884.6	8216.1
17.5°	8260.2	8293.3	8807.5	9141.7	9024.2	8800.1	8789.1	8958.1	9307.0	9387.8	8704.6
20°	9215.2	9292.3	9670.6	9652.2	8991.1	8539.4	8414.5	8543.0	9354.7	9813.8	9689.0
22.5°	10500.7	10607.2	10871.6	10364.8	9141.7	8363.1	8322.7	8572.4	9670.6	10765.1	10805.5
25°	11991.8	12171.8	12300.3	11650.3	9677.9	8667.9	8476.9	8906.6	10096.6	11797.2	12226.9
27.5°	12979.8	13167.1	13137.8	12208.5	10037.9	8748.7	8587.1	8987.4	10467.6	12043.2	12968.8
30°	13751.1	13865.0	14070.7	12509.7	10397.8	8976.4	8701.0	9329.0	10588.8	12469.3	13865.0
32.5°	14651.0	14728.1	14742.8	13042.3	10952.4	9262.9	9053.6	9755.1	11125.0	12877.0	14658.3
35°	15558.2	15672.0	15433.3	13699.7	11294.0	9795.5	9641.2	10493.3	11554.8	13299.4	15532.4
37.5°	16542.5	16601.2	16050.3	13971.5	11782.5	10662.3	10577.8	11290.3	12300.3	14063.3	16502.1
40°	17368.9	17424.0	16707.8	14305.7	12296.7	11874.3	12091.0	12810.9	13314.1	14559.1	16986.9
42.5°	17828.0	17956.5	16928.1	14122.1	13328.7	13247.9	14210.2	14463.7	14489.4	14698.7	17420.3
45°	17952.9	17894.1	16564.5	14272.7	14232.3	15506.7	16380.9	16715.1	15657.3	14955.8	17530.5
47.5°	17376.2	17453.3	16028.3	14140.4	15418.6	17218.3	18349.5	18970.2	16527.8	14731.8	17258.7
50°	16909.8	16810.6	15855.7	14044.9	15738.1	18026.3	19770.9	19910.5	17328.5	15007.2	16961.2
52.5°	17001.6	17064.0	16131.1	14298.4	15745.5	18074.1	19991.3	19895.8	17354.2	14944.8	16854.7
55°	17196.2	16920.8	16013.6	13740.1	14691.4	16740.8	17743.5	17596.6	16017.3	14280.0	16593.9
57.5°	14838.3	15264.3	14724.4	12267.3	12057.9	12612.5	12594.2	13045.9	11947.8	12289.3	15106.4
60°	12043.2	12116.7	12318.7	10493.3	8344.7	8153.7	7889.3	7602.8	8039.9	10508.0	13740.1
62.5°	10592.5	10504.3	11224.2	9545.7	5891.2	4932.6	4888.6	5064.8	6203.4	10023.2	12888.0
65°	7698.3	7808.5	8330.0	7408.1	4422.1	3764.7	3698.6	4220.1	5020.8	8032.5	9835.9
67.5°	4701.2	4914.3	4962.0	4569.0	3000.7	2383.7	2288.2	2762.0	3625.1	5197.1	5766.4
70°	2170.6	2427.7	2670.2	2493.9	1737.3	980.6	925.6	1160.6	1829.1	2989.7	3059.5
72.5°	657.4	661.1	925.6	966.0	561.9	220.4	194.7	257.1	620.7	988.0	1039.4
75°	47.7	51.4	124.9	143.2	106.5	55.1	58.8	69.8	132.2	220.4	165.3
77.5°	3.7	3.7	3.7	18.4	33.1	36.7	47.7	55.1	69.8	80.8	73.5
80°	3.7	0.0	3.7	14.7	25.7	36.7	44.1	51.4	55.1	62.4	55.1
82.5°	0.0	0.0	0.0	11.0	25.7	36.7	40.4	55.1	62.4	73.5	62.4
85°	0.0	0.0	0.0	11.0	25.7	40.4	36.7	18.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P532993

CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6
2.5°	10012.2	9868.9	9542.0	9376.8	8987.4	8932.4	8550.4	8487.9	8359.4	8289.6	8120.7
5°	9160.1	8987.4	8454.9	8006.8	7485.3	7121.6	6842.5	6589.1	6442.2	6306.3	6368.7
7.5°	8465.9	7962.7	7371.4	6622.1	6019.8	5630.5	5204.4	4855.5	4649.8	4510.2	4543.3
10°	7738.7	7411.8	6589.1	5748.0	5020.8	4745.3	4411.1	4143.0	3852.8	3603.1	3485.5
12.5°	7511.0	7026.1	5994.1	5138.3	4587.4	4319.3	3937.3	3628.8	3257.8	2953.0	2846.5
15°	7551.4	7084.9	5832.5	4917.9	4267.8	3805.1	3349.6	2967.7	2560.0	2346.9	2236.8
17.5°	8208.8	7400.8	5939.0	4686.5	3823.4	3180.7	2618.7	2133.9	1829.1	1608.7	1561.0
20°	9016.8	8083.9	6166.7	4517.6	3459.8	2530.6	1913.6	1494.8	1241.4	1204.7	1193.7
22.5°	10199.5	9200.5	6655.2	4403.7	3015.4	1972.3	1311.2	1087.2	1017.4	1010.0	1013.7
25°	11852.3	10599.8	7187.8	4308.2	2681.2	1520.6	1072.5	921.9	899.8	888.8	907.2
27.5°	12568.5	11444.6	7470.6	4102.6	2376.3	1370.0	1057.8	914.5	852.1	833.7	844.8
30°	13453.6	12006.5	7915.0	3750.0	1928.2	1127.6	988.0	995.3	966.0	874.1	844.8
32.5°	14628.9	12708.0	8139.0	3500.2	1722.6	932.9	723.5	664.8	741.9	756.6	782.3
35°	15381.9	13420.6	8252.9	3353.3	1616.1	797.0	613.4	558.3	539.9	543.6	558.3
37.5°	16781.2	14382.8	8396.1	3199.0	1535.2	694.2	554.6	503.2	477.5	477.5	492.2
40°	17618.6	15146.8	8590.8	3114.6	1454.4	631.7	503.2	459.1	437.1	437.1	444.4
42.5°	17828.0	15525.1	8524.7	3085.2	1362.6	617.0	459.1	426.0	400.3	396.7	393.0
45°	18202.6	16101.7	8535.7	3052.1	1267.1	561.9	433.4	396.7	359.9	356.3	352.6
47.5°	18614.0	16516.8	8557.7	2923.6	1175.3	470.1	451.8	367.3	323.2	315.9	315.9
50°	18261.4	16847.3	8748.7	2795.0	1057.8	382.0	444.4	345.2	286.5	275.5	279.1
52.5°	18305.4	17236.6	9152.7	2615.1	910.9	304.8	359.9	326.9	260.8	242.4	246.1
55°	17600.3	16825.3	9207.8	2424.1	712.5	235.1	275.5	286.5	220.4	213.0	213.0
57.5°	15150.5	14247.0	8124.3	1965.0	470.1	194.7	198.3	249.8	191.0	183.6	187.3
60°	12965.1	11437.2	6537.7	1296.5	293.8	154.3	143.2	253.4	169.0	165.3	176.3
62.5°	11819.2	9398.8	4958.3	804.4	202.0	117.5	99.2	205.7	146.9	146.9	161.6
65°	8539.4	6313.6	2883.2	422.4	143.2	91.8	73.5	117.5	121.2	124.9	132.2
67.5°	5288.9	3188.0	1215.7	205.7	95.5	62.4	47.7	73.5	80.8	80.8	88.1
70°	2611.4	1270.8	404.0	117.5	73.5	51.4	33.1	40.4	40.4	36.7	40.4
72.5°	808.0	382.0	102.8	73.5	51.4	33.1	18.4	14.7	7.3	0.0	3.7
75°	91.8	73.5	66.1	51.4	33.1	14.7	3.7	0.0	0.0	0.0	0.0
77.5°	55.1	62.4	62.4	51.4	33.1	11.0	0.0	0.0	0.0	0.0	0.0
80°	44.1	47.7	51.4	47.7	29.4	14.7	0.0	0.0	0.0	0.0	0.0
82.5°	55.1	62.4	69.8	62.4	40.4	18.4	7.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	11.0	3.7	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P532993

CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6
2.5°	8050.9	7970.1	8083.9	7915.0	7911.3	7915.0	7867.2	7823.2	7892.9	8080.3	8098.6
5°	6144.7	6317.3	6372.4	6552.3	6453.2	6306.3	6335.7	6236.5	6478.9	6585.4	6500.9
7.5°	4473.5	4462.5	4833.5	4855.5	4903.2	4906.9	4899.6	4704.9	4506.6	4550.7	4682.9
10°	3470.8	3283.5	3463.5	3445.1	3562.7	3529.6	3577.3	3368.0	3437.8	3437.8	3522.3
12.5°	2828.1	2629.8	2596.7	2549.0	2596.7	2615.1	2633.4	2593.0	2710.6	2765.6	2824.4
15°	2159.6	2049.4	2020.1	1928.2	1942.9	1994.4	2038.4	2056.8	2020.1	2104.5	2111.9
17.5°	1568.3	1564.6	1583.0	1579.3	1564.6	1553.6	1549.9	1502.2	1487.5	1494.8	1524.2
20°	1190.0	1219.4	1281.8	1344.3	1377.3	1336.9	1281.8	1201.0	1168.0	1175.3	1179.0
22.5°	1017.4	1061.5	1145.9	1215.7	1248.8	1175.3	1076.1	1006.4	991.7	988.0	984.3
25°	921.9	973.3	1035.7	1057.8	1054.1	1010.0	936.6	907.2	899.8	892.5	859.4
27.5°	870.5	888.8	899.8	925.6	936.6	907.2	888.8	844.8	837.4	837.4	815.4
30°	841.1	830.1	844.8	826.4	841.1	819.0	822.7	822.7	804.4	811.7	811.7
32.5°	782.3	786.0	786.0	749.3	760.3	734.6	760.3	782.3	786.0	789.7	819.0
35°	573.0	639.1	672.1	672.1	683.1	664.8	661.1	635.4	602.3	569.3	554.6
37.5°	503.2	528.9	573.0	598.7	617.0	602.3	569.3	528.9	510.5	495.8	481.1
40°	448.1	470.1	499.5	528.9	565.6	547.3	495.8	477.5	455.4	455.4	440.7
42.5°	404.0	415.0	433.4	477.5	517.9	481.1	444.4	429.7	418.7	415.0	411.4
45°	363.6	367.3	385.6	422.4	470.1	433.4	396.7	378.3	382.0	385.6	382.0
47.5°	326.9	334.2	345.2	389.3	418.7	400.3	359.9	348.9	348.9	348.9	352.6
50°	282.8	301.2	323.2	359.9	382.0	371.0	337.9	323.2	315.9	315.9	319.5
52.5°	253.4	268.1	297.5	341.6	371.0	352.6	319.5	297.5	282.8	279.1	286.5
55°	220.4	246.1	293.8	326.9	367.3	348.9	312.2	286.5	260.8	257.1	257.1
57.5°	198.3	238.7	282.8	323.2	356.3	341.6	312.2	279.1	246.1	242.4	242.4
60°	187.3	231.4	275.5	312.2	356.3	334.2	308.5	271.8	235.1	235.1	231.4
62.5°	176.3	216.7	260.8	297.5	341.6	323.2	297.5	260.8	224.0	224.0	216.7
65°	146.9	187.3	216.7	249.8	297.5	279.1	253.4	227.7	198.3	191.0	194.7
67.5°	102.8	128.5	157.9	191.0	220.4	213.0	202.0	183.6	157.9	154.3	150.6
70°	51.4	69.8	95.5	128.5	154.3	146.9	139.6	124.9	110.2	106.5	106.5
72.5°	7.3	22.0	40.4	58.8	80.8	84.5	80.8	77.1	73.5	69.8	73.5
75°	0.0	0.0	0.0	14.7	33.1	40.4	47.7	55.1	55.1	47.7	58.8
77.5°	0.0	0.0	0.0	0.0	3.7	18.4	36.7	47.7	58.8	51.4	69.8
80°	0.0	0.0	0.0	0.0	3.7	22.0	36.7	51.4	58.8	51.4	73.5
82.5°	0.0	0.0	0.0	0.0	3.7	25.7	36.7	47.7	55.1	51.4	66.1
85°	0.0	0.0	0.0	0.0	11.0	22.0	14.7	7.3	3.7	3.7	11.0
87.5°	0.0	0.0	0.0	0.0	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: P532993

CATALOG NUMBER: GALN-SA8B-827-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6	9468.6
2.5°	8201.5	8462.2	8741.4	8847.9	9178.4	9428.2	9597.1	9960.7	10015.8	10019.5
5°	6589.1	6721.3	7198.8	7422.8	7915.0	8296.9	8704.6	9292.3	9685.3	9714.7
7.5°	4682.9	5050.2	5252.2	5836.1	6442.2	7040.8	7646.9	8330.0	8785.4	8796.5
10°	3768.3	4007.1	4367.0	4804.1	5314.6	5924.3	6732.3	7525.7	7988.4	8102.3
12.5°	3033.8	3452.5	3863.8	4315.6	4704.9	5164.0	6034.5	7092.3	7474.2	7701.9
15°	2335.9	2717.9	3202.7	3731.6	4172.3	4785.7	5777.4	6985.7	7628.5	7705.6
17.5°	1722.6	2064.1	2512.2	3011.7	3672.8	4543.3	5821.5	7525.7	8131.7	8260.2
20°	1237.7	1436.1	1788.7	2369.0	3210.1	4260.5	5865.5	8072.9	8994.8	9215.2
22.5°	980.6	1061.5	1292.8	1807.0	2692.2	3963.0	6177.7	9119.7	10181.1	10500.7
25°	852.1	896.2	1006.4	1425.1	2365.3	3933.6	6677.2	10375.8	11760.4	11991.8
27.5°	822.7	830.1	925.6	1307.5	2189.0	3739.0	6868.2	11268.3	12744.8	12979.8
30°	866.8	984.3	991.7	1105.5	1862.1	3353.3	6967.4	12131.4	13578.5	13751.1
32.5°	749.3	712.5	738.2	855.8	1638.1	3129.3	7154.7	12884.3	14529.8	14651.0
35°	521.5	547.3	606.0	741.9	1432.4	2894.2	7202.4	13714.4	15433.3	15558.2
37.5°	481.1	495.8	543.6	631.7	1259.8	2762.0	7136.3	14320.4	16369.9	16542.5
40°	448.1	466.5	492.2	573.0	1131.2	2615.1	7044.5	14867.7	16942.8	17368.9
42.5°	422.4	437.1	459.1	547.3	1021.1	2468.1	6916.0	15639.0	17457.0	17828.0
45°	393.0	415.0	440.7	532.6	958.6	2369.0	6820.5	15591.2	17754.5	17952.9
47.5°	363.6	400.3	429.7	495.8	940.2	2321.2	6860.9	15411.2	17512.1	17376.2
50°	334.2	382.0	433.4	411.4	896.2	2225.7	6908.6	15657.3	16935.5	16909.8
52.5°	308.5	363.6	404.0	337.9	797.0	2133.9	7371.4	15980.5	17343.2	17001.6
55°	271.8	326.9	323.2	271.8	646.4	2064.1	7735.0	15987.9	17067.7	17196.2
57.5°	246.1	290.2	253.4	227.7	477.5	1726.2	7143.7	13405.9	14610.6	14838.3
60°	227.7	282.8	191.0	180.0	312.2	1245.1	6236.5	10383.1	11613.5	12043.2
62.5°	209.4	268.1	150.6	146.9	216.7	885.2	5127.3	8689.9	10008.5	10592.5
65°	183.6	191.0	121.2	113.9	154.3	477.5	3121.9	5983.1	7481.6	7698.3
67.5°	150.6	146.9	99.2	91.8	102.8	231.4	1377.3	2997.0	4337.6	4701.2
70°	121.2	121.2	84.5	73.5	73.5	106.5	359.9	1193.7	1961.3	2170.6
72.5°	88.1	91.8	66.1	58.8	55.1	51.4	58.8	238.7	514.2	657.4
75°	77.1	80.8	66.1	51.4	40.4	33.1	25.7	22.0	29.4	47.7
77.5°	84.5	84.5	69.8	47.7	36.7	25.7	14.7	7.3	7.3	3.7
80°	106.5	110.2	91.8	62.4	44.1	29.4	18.4	7.3	3.7	3.7
82.5°	113.9	124.9	102.8	77.1	55.1	33.1	18.4	3.7	0.0	0.0
85°	29.4	47.7	80.8	69.8	55.1	33.1	18.4	3.7	0.0	0.0
87.5°	0.0	3.7	11.0	11.0	14.7	14.7	11.0	3.7	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

(END OF REPORT)