

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: P532837

Luminaire Tested: **GALN-SA8B-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532837  
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-727-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 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: 21244 lumens  
Efficiency: N/A  
Efficacy: 65.4 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

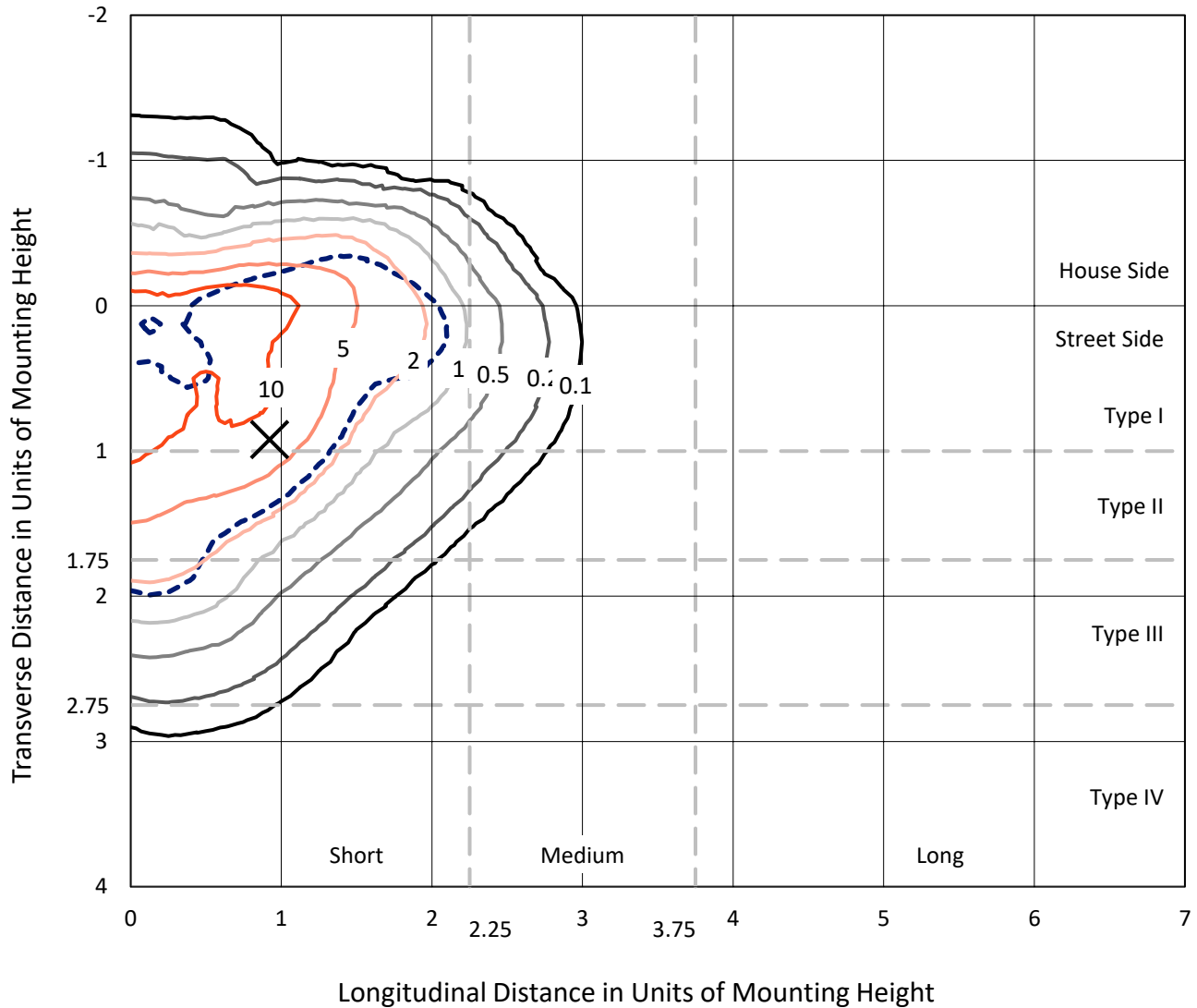
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P532837  
 CATALOG NUMBER: GALN-SA8B-727-U-SLL-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

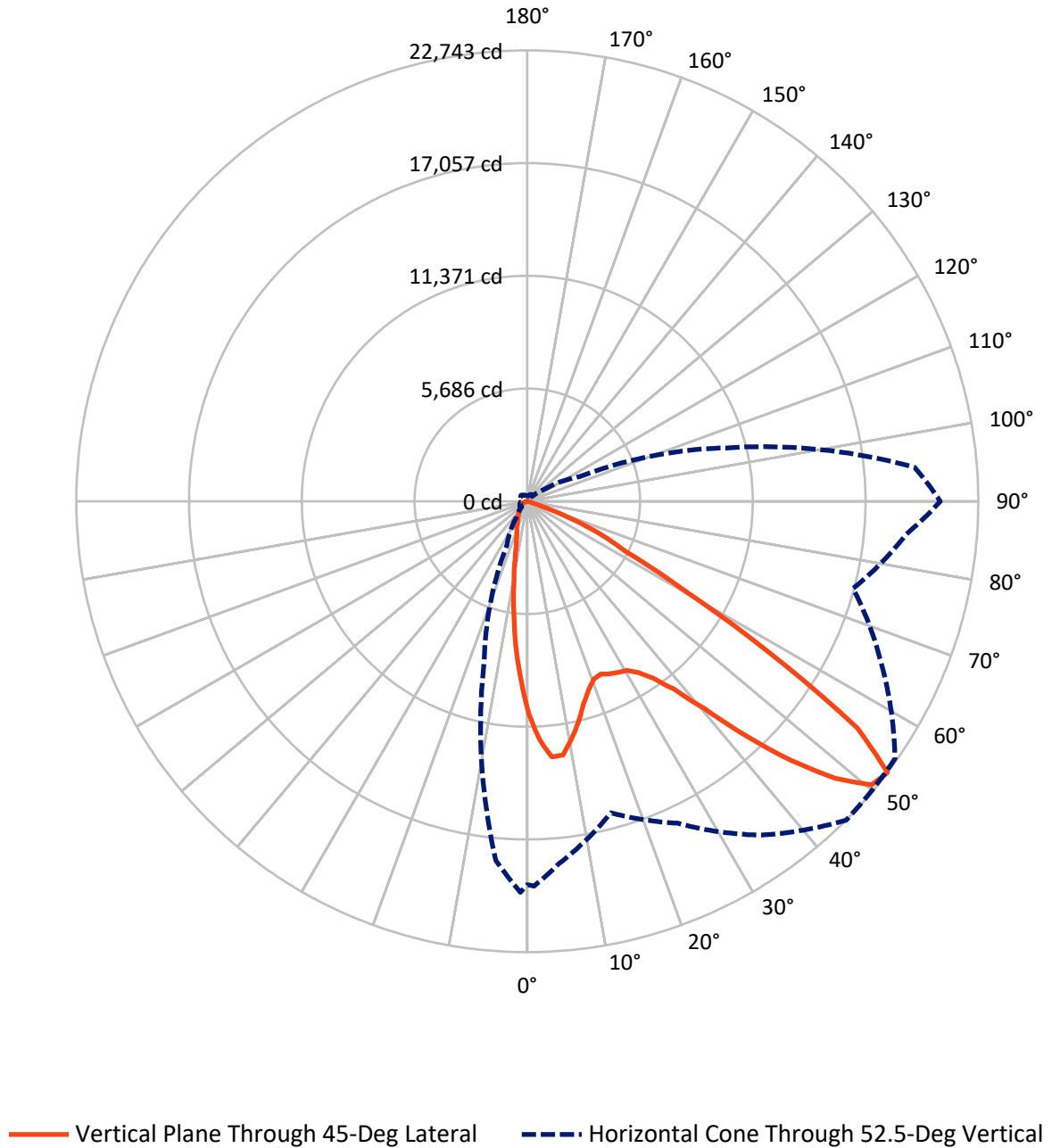
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 fc  
 Type III - Short - N/A

REPORT NUMBER: P532837  
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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4311.5	0.0	4311.5
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	16932.5	0.0	16932.5
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	21244.0	0.0	21244.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	785.6	3.7
10°-20°	1549.9	7.3
20°-30°	2358.7	11.1
30°-40°	3525.3	16.6
40°-50°	5020.4	23.6
50°-60°	5396.7	25.4
60°-70°	2391.4	11.3
70°-80°	193.5	0.9
80°-90°	22.5	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°	21244.0	100.0
0°-180°	21244.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P532837

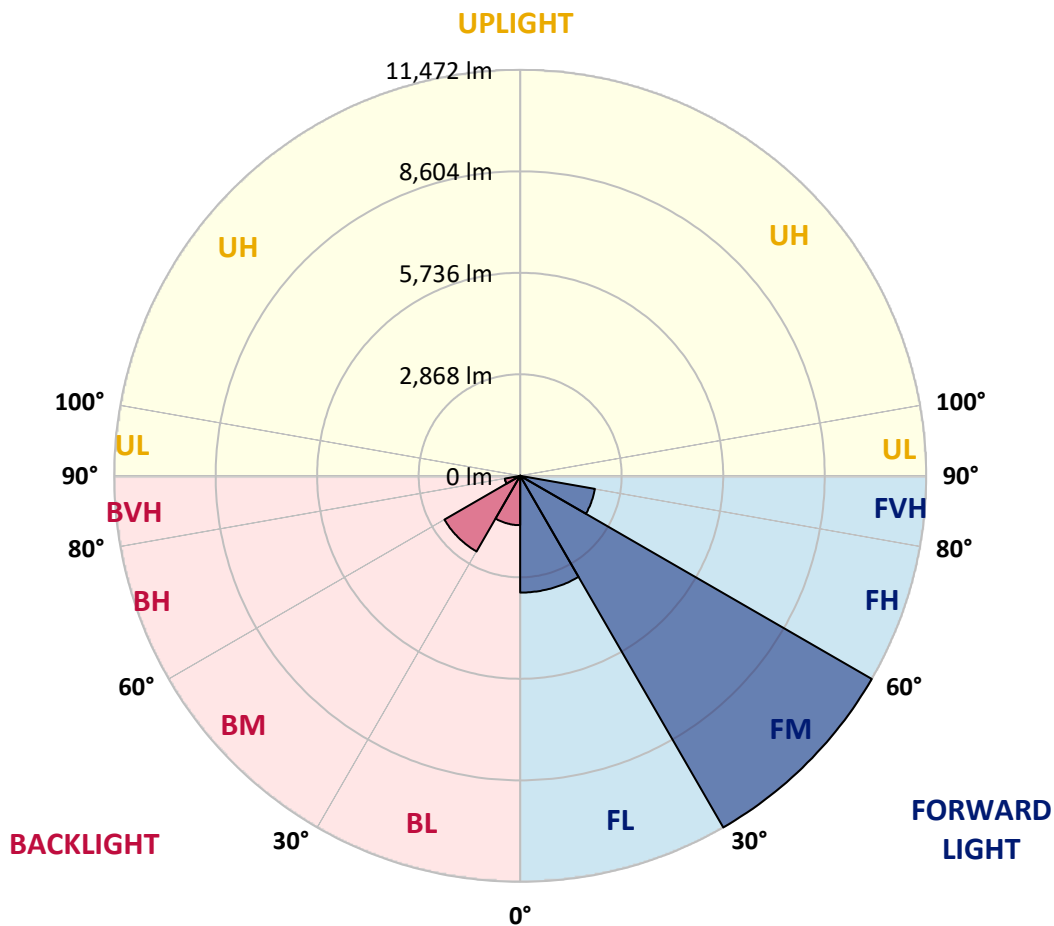
CATALOG NUMBER: GALN-SA8B-727-U-SLL-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3299.6	15.5			
FM (30°-60°)	11472.4	54.0			
FH (60°-80°)	2143.8	10.1			G2/5000
FVH (80°-90°)	16.7	0.1			G1/100
BL (0°-30°)	1394.5	6.6	B3/2500		
BM (30°-60°)	2470.0	11.6	B2/2500		
BH (60°-80°)	441.1	2.1	B1/500		G1/500
BVH (80°-90°)	5.8	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: P532837

CATALOG NUMBER: GALN-SA8B-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7
2.5°	11398.4	11431.9	11615.7	11845.5	11966.7	12242.5	12050.3	12100.4	11995.9	11628.3	11339.9
5°	11051.6	11047.5	11281.4	11849.7	12388.7	12936.1	12952.8	12660.3	12146.4	11582.3	10775.9
7.5°	10007.1	10170.0	10412.4	11319.1	12317.7	12727.1	12923.5	12580.9	11791.2	10984.8	10111.5
10°	9217.4	9300.9	9710.4	10805.1	11536.3	12083.7	12204.9	12008.5	11402.6	10395.6	9417.9
12.5°	8761.9	8803.7	9284.2	10203.4	10976.4	11381.7	11440.2	11532.1	11097.6	10153.3	8979.2
15°	8766.1	8799.5	9447.2	10216.0	10521.0	10412.4	10604.6	10600.4	10788.4	10107.3	9346.9
17.5°	9397.0	9434.6	10019.6	10399.8	10266.1	10011.2	9998.7	10190.9	10587.8	10679.8	9902.6
20°	10483.4	10571.1	11001.5	10980.6	10228.5	9714.6	9572.5	9718.8	10642.2	11164.5	11022.4
22.5°	11945.8	12067.0	12367.8	11791.2	10399.8	9514.0	9468.1	9752.2	11001.5	12246.6	12292.6
25°	13642.2	13846.9	13993.2	13253.6	11009.9	9860.8	9643.6	10132.4	11486.2	13420.7	13909.6
27.5°	14766.2	14979.3	14945.8	13888.7	11419.3	9952.7	9768.9	10224.3	11908.2	13700.7	14753.6
30°	15643.6	15773.1	16007.1	14231.3	11828.8	10211.8	9898.4	10612.9	12046.1	14185.4	15773.1
32.5°	16667.3	16755.0	16771.8	14837.2	12459.7	10537.7	10299.5	11097.6	12656.1	14649.2	16675.7
35°	17699.3	17828.9	17557.3	15585.1	12848.3	11143.6	10968.1	11937.4	13145.0	15129.7	17670.1
37.5°	18819.1	18886.0	18259.2	15894.3	13404.0	12129.6	12033.5	12844.1	13993.2	15998.8	18773.2
40°	19759.3	19821.9	19007.2	16274.5	13989.0	13508.5	13755.0	14574.0	15146.4	16562.8	19324.7
42.5°	20281.5	20427.8	19257.9	16065.6	15163.1	15071.2	16165.9	16454.2	16483.5	16721.6	19817.7
45°	20423.6	20356.7	18844.2	16236.9	16191.0	17640.8	18635.3	19015.5	17812.2	17014.1	19943.1
47.5°	19767.6	19855.4	18234.2	16086.5	17540.6	19587.9	20874.9	21581.0	18802.4	16759.2	19633.9
50°	19237.0	19124.1	18037.8	15977.9	17904.1	20507.2	22491.9	22650.6	19713.3	17072.6	19295.5
52.5°	19341.4	19412.5	18351.2	16266.2	17912.4	20561.5	22742.6	22633.9	19742.5	17001.6	19174.3
55°	19562.9	19249.5	18217.5	15631.1	16713.3	19044.8	20185.4	20018.3	18221.6	16245.3	18877.6
57.5°	16880.4	17365.1	16750.9	13955.6	13717.4	14348.3	14327.4	14841.4	13592.1	13980.6	17185.4
60°	13700.7	13784.3	14014.1	11937.4	9493.1	9275.9	8975.0	8649.1	9146.3	11954.2	15631.1
62.5°	12050.3	11950.0	12768.9	10859.4	6702.0	5611.5	5561.3	5761.9	7057.2	11402.6	14661.7
65°	8757.7	8883.1	9476.4	8427.7	5030.7	4282.8	4207.6	4800.9	5711.8	9138.0	11189.5
67.5°	5348.2	5590.6	5644.9	5197.8	3413.7	2711.7	2603.1	3142.1	4124.0	5912.3	6560.0
70°	2469.4	2761.9	3037.6	2837.1	1976.3	1115.6	1052.9	1320.3	2080.8	3401.1	3480.5
72.5°	747.9	752.1	1052.9	1098.9	639.3	250.7	221.5	292.5	706.1	1124.0	1182.5
75°	54.3	58.5	142.1	163.0	121.2	62.7	66.9	79.4	150.4	250.7	188.0
77.5°	4.2	4.2	4.2	20.9	37.6	41.8	54.3	62.7	79.4	91.9	83.6
80°	4.2	0.0	4.2	16.7	29.2	41.8	50.1	58.5	62.7	71.0	62.7
82.5°	0.0	0.0	0.0	12.5	29.2	41.8	46.0	62.7	71.0	83.6	71.0
85°	0.0	0.0	0.0	12.5	29.2	46.0	41.8	20.9	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: P532837

CATALOG NUMBER: GALN-SA8B-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7
2.5°	11390.1	11227.1	10855.3	10667.2	10224.3	10161.7	9727.1	9656.1	9509.8	9430.5	9238.3
5°	10420.7	10224.3	9618.5	9108.7	8515.4	8101.8	7784.2	7495.9	7328.8	7174.2	7245.2
7.5°	9631.0	9058.6	8385.9	7533.5	6848.3	6405.4	5920.7	5523.7	5289.7	5131.0	5168.6
10°	8803.7	8431.8	7495.9	6539.1	5711.8	5398.4	5018.2	4713.1	4383.1	4098.9	3965.2
12.5°	8544.7	7993.1	6819.0	5845.5	5218.7	4913.7	4479.2	4128.2	3706.2	3359.4	3238.2
15°	8590.6	8060.0	6635.2	5594.8	4855.2	4328.7	3810.6	3376.1	2912.3	2669.9	2544.6
17.5°	9338.5	8419.3	6756.3	5331.5	4349.6	3618.4	2979.1	2427.6	2080.8	1830.1	1775.8
20°	10257.8	9196.5	7015.4	5139.3	3936.0	2878.9	2176.9	1700.6	1412.3	1370.5	1358.0
22.5°	11603.2	10466.7	7571.1	5009.8	3430.4	2243.8	1491.7	1236.8	1157.4	1149.0	1153.2
25°	13483.4	12058.6	8177.0	4901.2	3050.2	1729.8	1220.1	1048.8	1023.7	1011.2	1032.0
27.5°	14298.2	13019.6	8498.7	4667.2	2703.4	1558.5	1203.4	1040.4	969.4	948.5	961.0
30°	15305.2	13658.9	9004.3	4266.1	2193.6	1282.7	1124.0	1132.3	1098.9	994.4	961.0
32.5°	16642.2	14457.0	9259.1	3981.9	1959.6	1061.3	823.1	756.3	844.0	860.7	890.0
35°	17498.8	15267.6	9388.7	3814.8	1838.5	906.7	697.8	635.1	614.2	618.4	635.1
37.5°	19090.7	16362.3	9551.6	3639.3	1746.5	789.7	630.9	572.4	543.2	543.2	559.9
40°	20043.4	17231.4	9773.1	3543.2	1654.6	718.7	572.4	522.3	497.2	497.2	505.6
42.5°	20281.5	17661.7	9697.9	3509.8	1550.2	702.0	522.3	484.7	455.4	451.3	447.1
45°	20707.7	18317.7	9710.4	3472.2	1441.5	639.3	493.0	451.3	409.5	405.3	401.1
47.5°	21175.7	18789.9	9735.5	3325.9	1337.1	534.8	513.9	417.8	367.7	359.3	359.3
50°	20774.6	19165.9	9952.7	3179.7	1203.4	434.5	505.6	392.8	325.9	313.4	317.6
52.5°	20824.7	19608.8	10412.4	2975.0	1036.2	346.8	409.5	371.9	296.7	275.8	279.9
55°	20022.5	19140.9	10475.0	2757.7	810.6	267.4	313.4	325.9	250.7	242.3	242.3
57.5°	17235.5	16207.7	9242.4	2235.4	534.8	221.5	225.6	284.1	217.3	208.9	213.1
60°	14749.5	13011.3	7437.4	1474.9	334.3	175.5	163.0	288.3	192.2	188.0	200.6
62.5°	13445.8	10692.3	5640.7	915.1	229.8	133.7	112.8	234.0	167.1	167.1	183.8
65°	9714.6	7182.5	3280.0	480.5	163.0	104.5	83.6	133.7	137.9	142.1	150.4
67.5°	6016.8	3626.8	1383.0	234.0	108.6	71.0	54.3	83.6	91.9	91.9	100.3
70°	2970.8	1445.7	459.6	133.7	83.6	58.5	37.6	46.0	46.0	41.8	46.0
72.5°	919.2	434.5	117.0	83.6	58.5	37.6	20.9	16.7	8.4	0.0	4.2
75°	104.5	83.6	75.2	58.5	37.6	16.7	4.2	0.0	0.0	0.0	0.0
77.5°	62.7	71.0	71.0	58.5	37.6	12.5	0.0	0.0	0.0	0.0	0.0
80°	50.1	54.3	58.5	54.3	33.4	16.7	0.0	0.0	0.0	0.0	0.0
82.5°	62.7	71.0	79.4	71.0	46.0	20.9	8.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	12.5	4.2	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: P532837

CATALOG NUMBER: GALN-SA8B-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7
2.5°	9158.9	9066.9	9196.5	9004.3	9000.1	9004.3	8950.0	8899.8	8979.2	9192.3	9213.2
5°	6990.3	7186.7	7249.4	7454.1	7341.3	7174.2	7207.6	7094.8	7370.5	7491.7	7395.6
7.5°	5089.2	5076.7	5498.7	5523.7	5578.1	5582.2	5573.9	5352.4	5126.8	5176.9	5327.4
10°	3948.5	3735.4	3940.2	3919.3	4053.0	4015.4	4069.7	3831.5	3910.9	3910.9	4007.0
12.5°	3217.3	2991.7	2954.1	2899.8	2954.1	2975.0	2995.9	2949.9	3083.6	3146.3	3213.1
15°	2456.8	2331.5	2298.1	2193.6	2210.3	2268.8	2319.0	2339.9	2298.1	2394.2	2402.5
17.5°	1784.1	1780.0	1800.9	1796.7	1780.0	1767.4	1763.2	1708.9	1692.2	1700.6	1734.0
20°	1353.8	1387.2	1458.2	1529.3	1566.9	1520.9	1458.2	1366.3	1328.7	1337.1	1341.2
22.5°	1157.4	1207.5	1303.6	1383.0	1420.6	1337.1	1224.2	1144.9	1128.1	1124.0	1119.8
25°	1048.8	1107.3	1178.3	1203.4	1199.2	1149.0	1065.5	1032.0	1023.7	1015.3	977.7
27.5°	990.3	1011.2	1023.7	1052.9	1065.5	1032.0	1011.2	961.0	952.7	952.7	927.6
30°	956.8	944.3	961.0	940.1	956.8	931.8	935.9	935.9	915.1	923.4	923.4
32.5°	890.0	894.2	894.2	852.4	864.9	835.7	864.9	890.0	894.2	898.3	931.8
35°	651.8	727.0	764.6	764.6	777.2	756.3	752.1	722.8	685.2	647.6	630.9
37.5°	572.4	601.7	651.8	681.1	702.0	685.2	647.6	601.7	580.8	564.1	547.4
40°	509.8	534.8	568.3	601.7	643.5	622.6	564.1	543.2	518.1	518.1	501.4
42.5°	459.6	472.1	493.0	543.2	589.1	547.4	505.6	488.9	476.3	472.1	468.0
45°	413.7	417.8	438.7	480.5	534.8	493.0	451.3	430.4	434.5	438.7	434.5
47.5°	371.9	380.2	392.8	442.9	476.3	455.4	409.5	396.9	396.9	396.9	401.1
50°	321.7	342.6	367.7	409.5	434.5	422.0	384.4	367.7	359.3	359.3	363.5
52.5°	288.3	305.0	338.4	388.6	422.0	401.1	363.5	338.4	321.7	317.6	325.9
55°	250.7	279.9	334.3	371.9	417.8	396.9	355.2	325.9	296.7	292.5	292.5
57.5°	225.6	271.6	321.7	367.7	405.3	388.6	355.2	317.6	279.9	275.8	275.8
60°	213.1	263.2	313.4	355.2	405.3	380.2	351.0	309.2	267.4	267.4	263.2
62.5°	200.6	246.5	296.7	338.4	388.6	367.7	338.4	296.7	254.9	254.9	246.5
65°	167.1	213.1	246.5	284.1	338.4	317.6	288.3	259.1	225.6	217.3	221.5
67.5°	117.0	146.2	179.7	217.3	250.7	242.3	229.8	208.9	179.7	175.5	171.3
70°	58.5	79.4	108.6	146.2	175.5	167.1	158.8	142.1	125.3	121.2	121.2
72.5°	8.4	25.1	46.0	66.9	91.9	96.1	91.9	87.7	83.6	79.4	83.6
75°	0.0	0.0	0.0	16.7	37.6	46.0	54.3	62.7	62.7	54.3	66.9
77.5°	0.0	0.0	0.0	0.0	4.2	20.9	41.8	54.3	66.9	58.5	79.4
80°	0.0	0.0	0.0	0.0	4.2	25.1	41.8	58.5	66.9	58.5	83.6
82.5°	0.0	0.0	0.0	0.0	4.2	29.2	41.8	54.3	62.7	58.5	75.2
85°	0.0	0.0	0.0	0.0	12.5	25.1	16.7	8.4	4.2	4.2	12.5
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: P532837

CATALOG NUMBER: GALN-SA8B-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7	10771.7
2.5°	9330.2	9626.8	9944.4	10065.6	10441.6	10725.7	10917.9	11331.6	11394.3	11398.4
5°	7495.9	7646.3	8189.5	8444.4	9004.3	9438.8	9902.6	10571.1	11018.2	11051.6
7.5°	5327.4	5745.2	5975.0	6639.3	7328.8	8009.8	8699.3	9476.4	9994.5	10007.1
10°	4287.0	4558.5	4968.0	5465.2	6046.0	6739.6	7658.9	8561.4	9087.8	9217.4
12.5°	3451.3	3927.6	4395.6	4909.5	5352.4	5874.7	6865.0	8068.3	8502.9	8761.9
15°	2657.4	3092.0	3643.5	4245.2	4746.6	5444.3	6572.5	7947.2	8678.4	8766.1
17.5°	1959.6	2348.2	2858.0	3426.2	4178.3	5168.6	6622.6	8561.4	9250.8	9397.0
20°	1408.1	1633.7	2034.8	2695.0	3651.8	4846.8	6672.8	9183.9	10232.7	10483.4
22.5°	1115.6	1207.5	1470.8	2055.7	3062.7	4508.4	7027.9	10374.8	11582.3	11945.8
25°	969.4	1019.5	1144.9	1621.2	2690.8	4475.0	7596.2	11803.7	13379.0	13642.2
27.5°	935.9	944.3	1052.9	1487.5	2490.3	4253.5	7813.4	12819.1	14498.8	14766.2
30°	986.1	1119.8	1128.1	1257.7	2118.4	3814.8	7926.3	13801.0	15447.2	15643.6
32.5°	852.4	810.6	839.8	973.5	1863.5	3559.9	8139.4	14657.5	16529.4	16667.3
35°	593.3	622.6	689.4	844.0	1629.5	3292.5	8193.7	15601.8	17557.3	17699.3
37.5°	547.4	564.1	618.4	718.7	1433.2	3142.1	8118.5	16291.2	18622.7	18819.1
40°	509.8	530.6	559.9	651.8	1286.9	2975.0	8014.0	16913.8	19274.6	19759.3
42.5°	480.5	497.2	522.3	622.6	1161.6	2807.8	7867.8	17791.3	19859.5	20281.5
45°	447.1	472.1	501.4	605.9	1090.5	2695.0	7759.1	17736.9	20198.0	20423.6
47.5°	413.7	455.4	488.9	564.1	1069.6	2640.7	7805.1	17532.2	19922.2	19767.6
50°	380.2	434.5	493.0	468.0	1019.5	2532.1	7859.4	17812.2	19266.2	19237.0
52.5°	351.0	413.7	459.6	384.4	906.7	2427.6	8385.9	18179.8	19730.0	19341.4
55°	309.2	371.9	367.7	309.2	735.4	2348.2	8799.5	18188.2	19416.6	19562.9
57.5°	279.9	330.1	288.3	259.1	543.2	1963.8	8126.8	15250.8	16621.3	16880.4
60°	259.1	321.7	217.3	204.7	355.2	1416.4	7094.8	11812.1	13211.8	13700.7
62.5°	238.2	305.0	171.3	167.1	246.5	1007.0	5832.9	9885.9	11385.9	12050.3
65°	208.9	217.3	137.9	129.5	175.5	543.2	3551.6	6806.5	8511.2	8757.7
67.5°	171.3	167.1	112.8	104.5	117.0	263.2	1566.9	3409.5	4934.6	5348.2
70°	137.9	137.9	96.1	83.6	83.6	121.2	409.5	1358.0	2231.2	2469.4
72.5°	100.3	104.5	75.2	66.9	62.7	58.5	66.9	271.6	585.0	747.9
75°	87.7	91.9	75.2	58.5	46.0	37.6	29.2	25.1	33.4	54.3
77.5°	96.1	96.1	79.4	54.3	41.8	29.2	16.7	8.4	8.4	4.2
80°	121.2	125.3	104.5	71.0	50.1	33.4	20.9	8.4	4.2	4.2
82.5°	129.5	142.1	117.0	87.7	62.7	37.6	20.9	4.2	0.0	0.0
85°	33.4	54.3	91.9	79.4	62.7	37.6	20.9	4.2	0.0	0.0
87.5°	0.0	4.2	12.5	12.5	16.7	16.7	12.5	4.2	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)