

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: P531692

Luminaire Tested: **GALN-SA7A-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531692  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7A-730-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24541 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

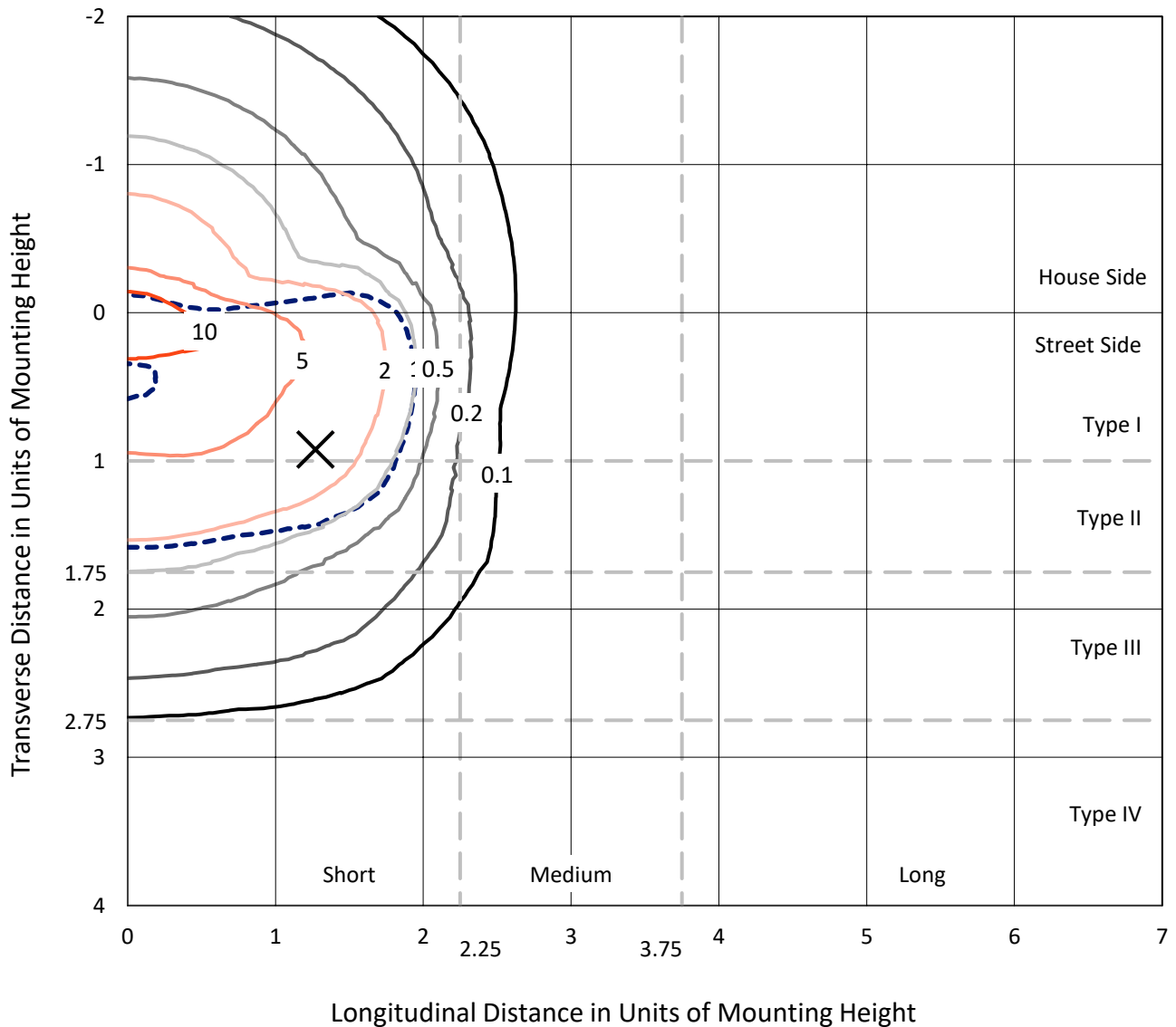
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P531692  
 CATALOG NUMBER: GALN-SA7A-730-U-SL3-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

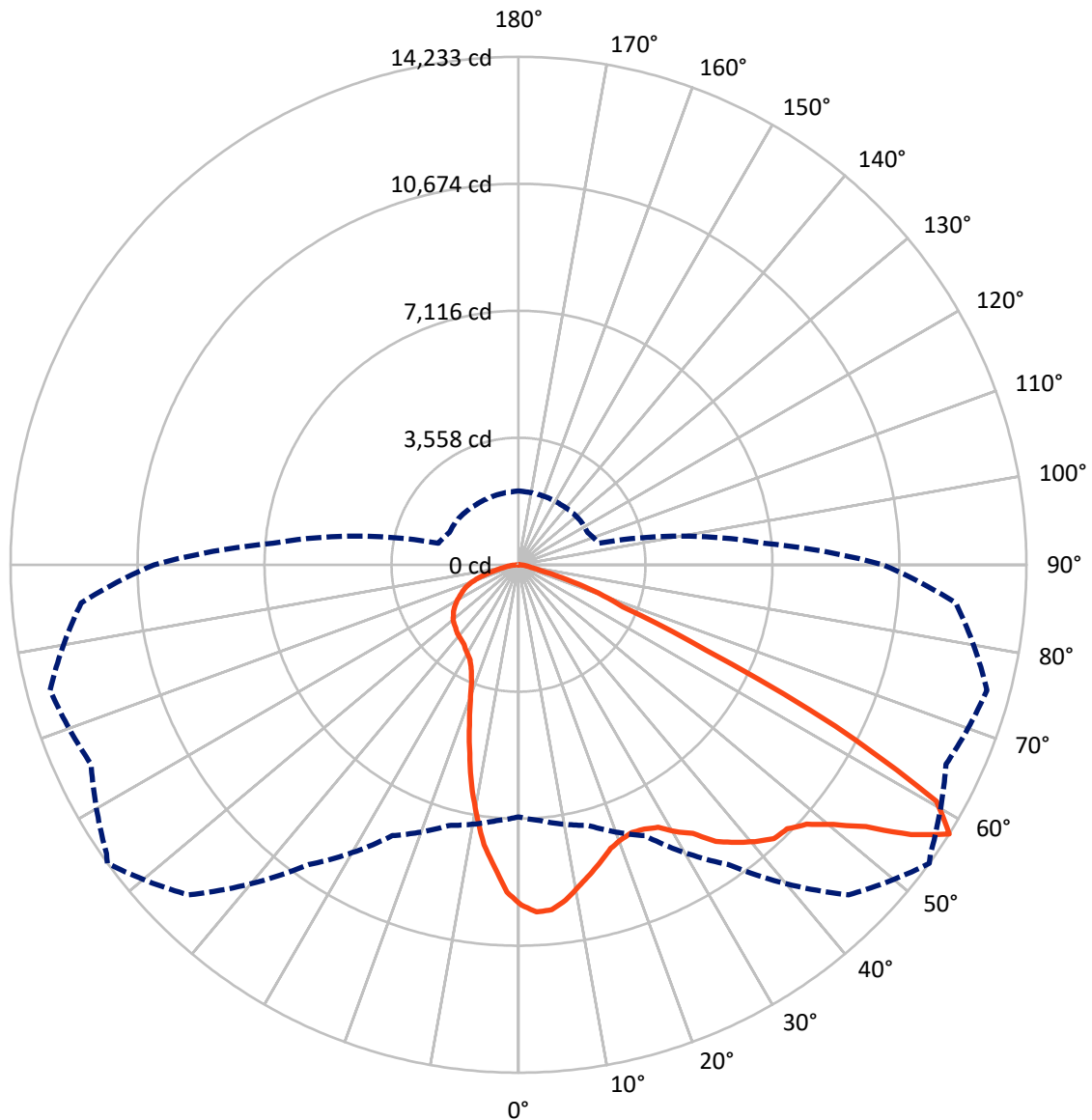
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P531692  
CATALOG NUMBER: GALN-SA7A-730-U-SL3-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P531692  
 CATALOG NUMBER: GALN-SA7A-730-U-SL3-GRSWH

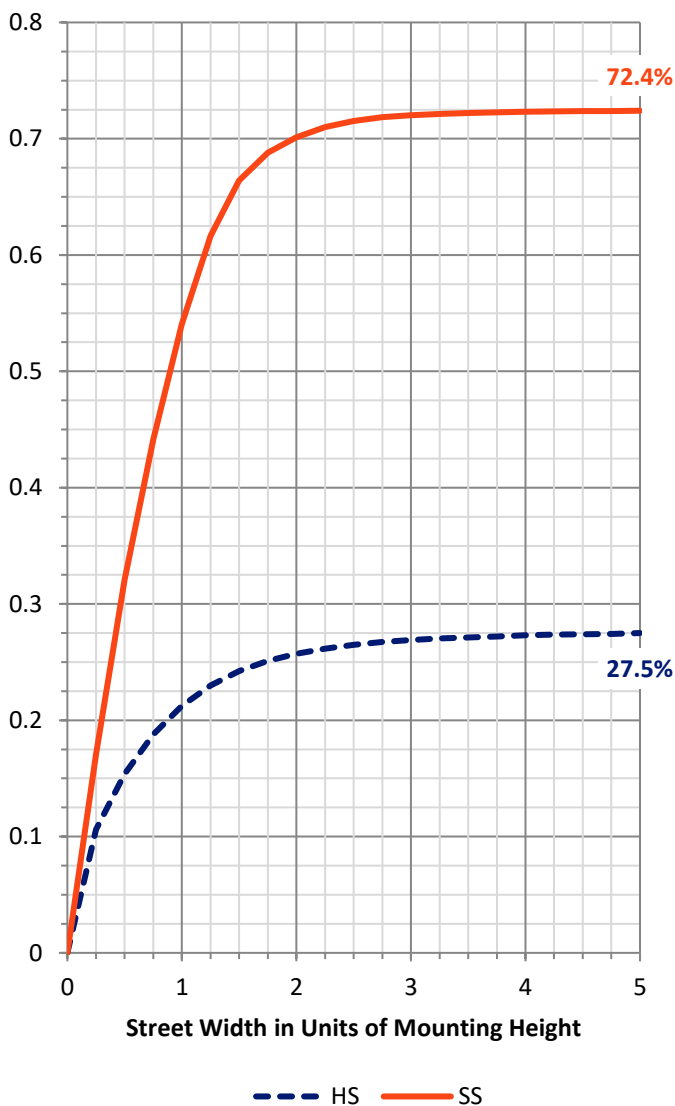
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6789.4	0.0	6789.4
	% Fixture	27.7	0.0	27.7
<b>Street Side</b>	Lumens	17751.6	0.0	17751.6
	% Fixture	72.3	0.0	72.3
<b>Total</b>	Lumens	24541.0	0.0	24541.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	822.6	3.4
10°-20°	1904.7	7.8
20°-30°	2676.1	10.9
30°-40°	3741.2	15.2
40°-50°	5064.9	20.6
50°-60°	6169.3	25.1
60°-70°	3213.2	13.1
70°-80°	823.3	3.4
80°-90°	125.6	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°	24541.0	100.0
0°-180°	24541.0	100.0

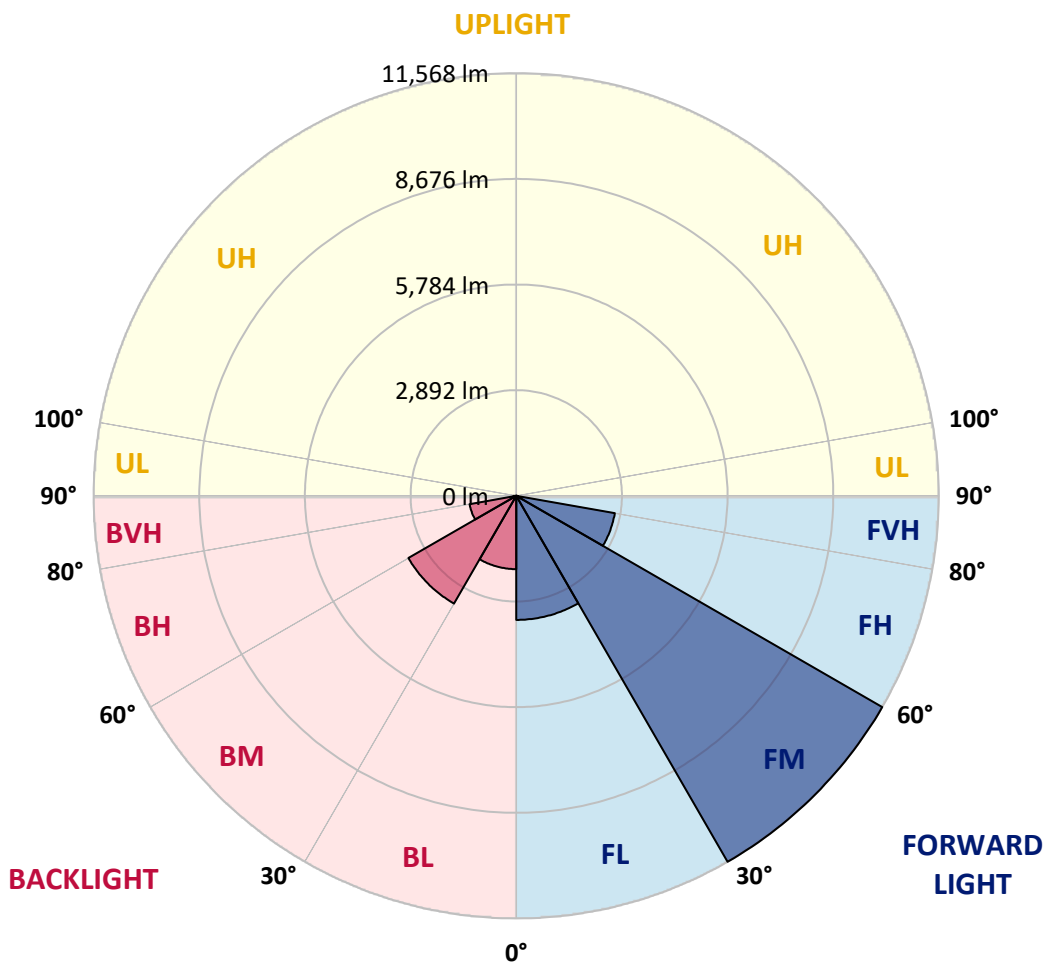


REPORT NUMBER: P531692  
 CATALOG NUMBER: GALN-SA7A-730-U-SL3-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3396.8	13.8			
FM (30°-60°)	11567.9	47.1			
FH (60°-80°)	2739.5	11.2			G2/5000
FVH (80°-90°)	47.5	0.2			G1/100
BL (0°-30°)	2006.6	8.2	B3/2500		
BM (30°-60°)	3407.5	13.9	B3/5000		
BH (60°-80°)	1297.1	5.3	B3/2500		G3/2500
BVH (80°-90°)	78.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





REPORT NUMBER: P531692

CATALOG NUMBER: GALN-SA7A-730-U-SL3-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8
2.5°	9810.1	9772.2	9778.5	9829.0	9765.9	9740.7	9740.7	9617.7	9627.1	9542.0	9519.9
5°	9583.0	9494.6	9554.6	9630.3	9642.9	9668.1	9709.1	9677.6	9589.3	9497.8	9349.5
7.5°	8989.9	9068.8	9090.9	9144.5	9258.1	9362.2	9491.5	9403.2	9400.0	9308.5	9220.2
10°	8469.5	8422.2	8542.0	8620.9	8810.1	8983.6	9182.4	9172.9	9220.2	9116.1	8964.7
12.5°	7952.2	7914.3	7971.1	8150.9	8415.9	8668.2	8904.8	8816.5	9068.8	9049.9	8725.0
15°	7403.3	7431.7	7513.7	7680.9	8027.9	8330.7	8630.3	8633.5	8857.5	8933.2	8497.9
17.5°	7018.5	6986.9	7091.0	7340.2	7649.3	8012.1	8352.8	8422.2	8766.0	8810.1	8428.5
20°	6731.4	6775.6	6911.2	7037.4	7393.8	7832.3	8217.1	8242.4	8747.1	8866.9	8318.1
22.5°	6662.0	6636.8	6680.9	6886.0	7179.3	7655.6	8144.6	8239.2	8743.9	8848.0	8109.9
25°	6589.5	6671.5	6668.3	6873.4	7087.9	7513.7	8204.5	8308.6	8911.1	8945.8	8138.3
27.5°	6753.5	6744.0	6832.4	6848.1	7113.1	7551.6	8330.7	8409.5	9188.7	9160.3	8160.3
30°	6917.5	6870.2	6923.8	7109.9	7233.0	7769.2	8677.7	8671.4	9548.3	9529.3	8229.7
32.5°	7119.4	7097.3	7132.0	7296.1	7504.2	8059.4	8971.0	9157.1	9914.2	10034.0	8469.5
35°	7157.3	7248.7	7330.7	7551.6	7848.1	8529.4	9523.0	9677.6	10336.9	10712.2	8926.9
37.5°	7397.0	7431.7	7624.1	8015.2	8286.5	9157.1	9873.2	9971.0	10721.7	11147.5	9409.5
40°	7652.5	7693.5	7983.7	8393.8	8766.0	9567.2	10201.2	10232.8	10844.7	11481.9	9724.9
42.5°	7999.5	8037.3	8324.4	8838.5	9336.9	9917.3	10491.4	10526.1	10835.3	11866.7	10226.5
45°	8359.1	8450.5	8788.1	9371.6	9819.5	10327.4	10557.7	10699.6	10923.6	12210.6	10633.4
47.5°	8863.8	8948.9	9226.5	9797.5	10321.1	10687.0	10863.6	11002.4	11134.9	12510.2	10895.2
50°	9400.0	9415.8	9753.3	10270.6	10655.5	11093.9	11434.6	11481.9	11412.5	12857.2	11339.9
52.5°	9794.3	9844.8	10106.6	10611.3	11185.4	11724.8	12191.6	12242.1	12106.5	12986.5	11491.4
55°	9141.4	9113.0	9538.8	10210.7	11541.8	12664.8	13343.0	13380.8	12611.2	13387.1	11986.6
57.5°	7065.8	7201.4	7564.2	8374.8	10254.8	13081.2	14232.5	14096.9	13216.8	13589.0	12302.0
60°	5135.3	5103.8	5346.7	5889.2	7728.2	11273.7	13456.5	13595.3	12721.6	12248.4	10144.4
62.5°	4182.7	4138.5	4157.5	4176.4	4987.1	7482.2	9961.5	9958.3	9797.5	8803.8	6841.8
65°	3343.6	3447.7	3457.2	3599.1	3703.2	4469.7	5772.5	6081.6	5296.2	4343.6	3151.2
67.5°	2520.3	2482.5	2608.7	3113.4	3308.9	3226.9	3151.2	3185.9	2264.8	1634.0	1539.3
70°	1485.7	1469.9	1621.3	2170.2	2725.4	2564.5	2375.2	2378.4	1555.1	1141.9	1271.2
72.5°	813.8	810.7	842.2	1100.9	1548.8	1608.7	1425.8	1469.9	927.4	924.2	993.6
75°	454.2	444.8	435.3	485.8	558.3	589.9	602.5	608.8	637.2	712.9	741.3
77.5°	167.2	160.9	160.9	186.1	236.6	296.5	375.4	381.7	451.1	517.3	545.7
80°	56.8	63.1	85.2	116.7	157.7	211.3	255.5	261.8	318.6	362.8	372.2
82.5°	34.7	37.9	56.8	82.0	113.6	148.3	189.3	192.4	236.6	265.0	277.6
85°	15.8	18.9	31.5	50.5	72.6	97.8	100.9	100.9	97.8	100.9	94.6
87.5°	0.0	0.0	6.3	6.3	6.3	9.5	12.6	9.5	15.8	18.9	18.9
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: P531692

CATALOG NUMBER: GALN-SA7A-730-U-SL3-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8	9538.8
2.5°	9453.6	9418.9	9311.7	9217.1	9188.7	9062.5	8876.4	8898.5	8762.8	8825.9	8759.7
5°	9324.3	9207.6	8933.2	8816.5	8510.5	8371.7	8277.1	8040.5	7930.1	7908.0	7813.4
7.5°	8993.1	8920.5	8576.7	8261.3	7936.4	7658.8	7302.4	7059.5	6886.0	6838.7	6699.9
10°	8731.3	8570.4	8094.1	7614.6	7150.9	6668.3	6204.6	5841.9	5665.2	5460.2	5390.8
12.5°	8472.6	8229.7	7586.3	6971.2	6371.8	5763.0	5201.6	4759.9	4375.1	4283.6	4252.1
15°	8311.8	7889.1	7132.0	6390.7	5539.1	4744.2	4182.7	3892.5	3655.9	3558.1	3627.5
17.5°	8100.4	7608.3	6696.7	5709.4	4772.6	4040.7	3570.7	3390.9	3305.8	3315.2	3286.9
20°	7835.4	7343.4	6125.8	5091.1	4088.1	3504.5	3236.4	3170.1	3182.8	3204.8	3195.4
22.5°	7646.2	7021.6	5712.6	4460.3	3532.9	3208.0	3097.6	3050.3	3091.3	3110.2	3094.4
25°	7501.1	6747.2	5211.0	3902.0	3211.1	3040.8	2990.3	2987.2	3050.3	3075.5	3059.7
27.5°	7368.6	6491.7	4712.6	3476.1	2996.6	2911.5	2895.7	2933.6	2974.6	2999.8	3021.9
30°	7289.7	6296.1	4245.8	3119.7	2889.4	2848.4	2820.0	2854.7	2876.8	2902.0	2889.4
32.5°	7365.4	6157.3	3794.7	2917.8	2801.1	2760.1	2797.9	2775.8	2813.7	2835.8	2801.1
35°	7602.0	6034.3	3473.0	2810.5	2700.1	2715.9	2722.2	2712.8	2728.5	2709.6	2750.6
37.5°	7835.4	5990.1	3176.4	2719.1	2652.8	2652.8	2646.5	2627.6	2659.1	2652.8	2671.7
40°	8132.0	6018.5	2924.1	2621.3	2608.7	2602.4	2577.1	2574.0	2561.3	2564.5	2570.8
42.5°	8390.6	6081.6	2779.0	2558.2	2567.7	2580.3	2533.0	2495.1	2510.9	2479.3	2479.3
45°	8665.0	6138.4	2649.7	2514.0	2504.6	2501.4	2463.6	2441.5	2428.9	2432.0	2460.4
47.5°	9097.2	6220.4	2551.9	2454.1	2460.4	2413.1	2403.6	2375.2	2387.9	2406.8	2409.9
50°	9403.2	6393.9	2476.2	2384.7	2406.8	2375.2	2318.5	2305.8	2305.8	2337.4	2331.1
52.5°	9617.7	6636.8	2403.6	2309.0	2318.5	2293.2	2274.3	2245.9	2227.0	2271.1	2293.2
55°	10273.8	7040.5	2384.7	2245.9	2242.8	2217.5	2182.8	2154.4	2145.0	2151.3	2195.4
57.5°	10210.7	6914.4	2324.8	2135.5	2129.2	2094.5	2059.8	2050.3	2047.2	2053.5	2066.1
60°	8289.7	5106.9	2075.6	2009.3	1999.9	1993.6	1958.9	1921.0	1902.1	1921.0	1905.2
62.5°	5485.4	3419.3	1829.5	1857.9	1864.2	1848.5	1791.7	1753.8	1760.1	1782.2	1747.5
65°	2693.8	2009.3	1659.2	1734.9	1741.2	1697.0	1643.4	1599.3	1577.2	1596.1	1580.3
67.5°	1539.3	1536.2	1520.4	1599.3	1596.1	1551.9	1466.8	1428.9	1391.1	1397.4	1387.9
70°	1305.9	1331.1	1362.7	1410.0	1406.8	1356.4	1255.4	1227.0	1173.4	1167.1	1151.3
72.5°	1028.3	1072.5	1141.9	1176.6	1148.2	1085.1	1018.9	971.5	924.2	895.8	905.3
75°	763.4	826.4	864.3	886.4	842.2	807.5	753.9	697.1	640.3	615.1	605.6
77.5°	555.2	574.1	608.8	624.6	596.2	561.5	529.9	473.2	419.5	384.8	375.4
80°	388.0	400.6	425.8	425.8	425.8	410.1	369.1	312.3	277.6	246.0	239.7
82.5°	271.3	283.9	309.1	296.5	293.4	274.4	249.2	205.0	167.2	145.1	138.8
85°	94.6	104.1	126.2	151.4	160.9	157.7	141.9	113.6	88.3	72.6	66.2
87.5°	22.1	22.1	25.2	22.1	22.1	25.2	22.1	22.1	22.1	15.8	12.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)