

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: P528413

Luminaire Tested: **GALN-SA3C-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-730-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11156 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

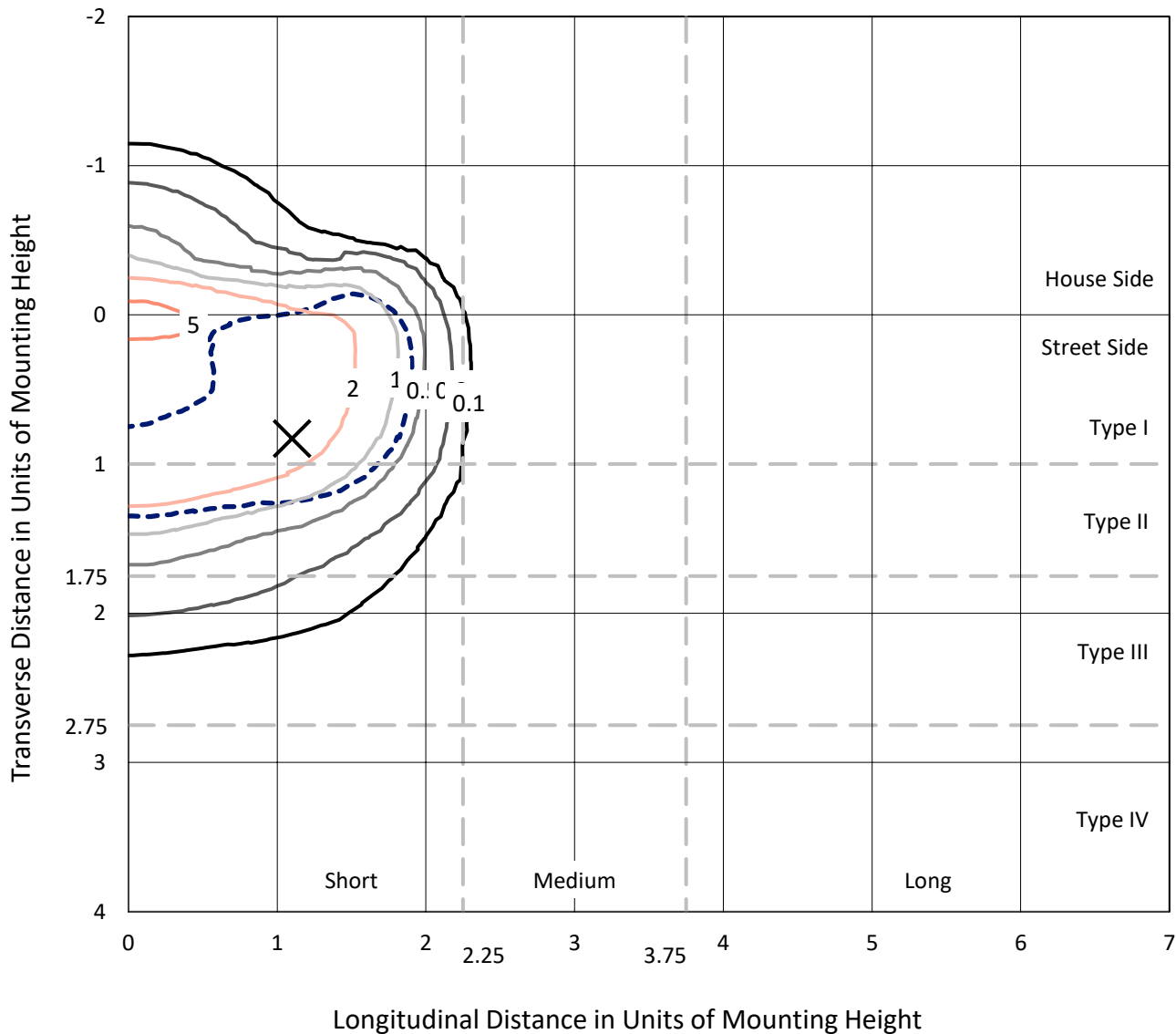
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528413  
 CATALOG NUMBER: GALN-SA3C-730-U-SL2-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

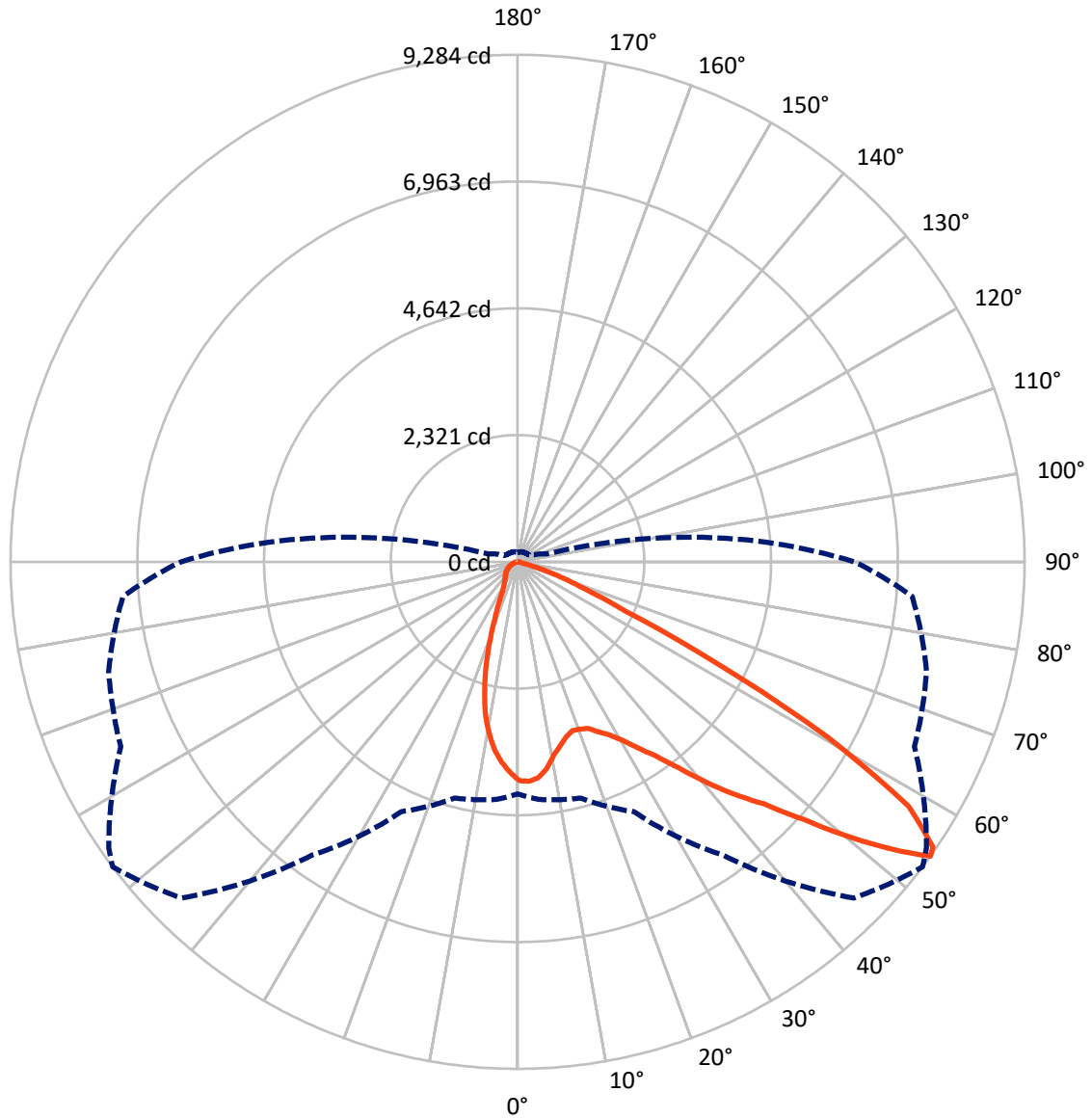
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P528413  
CATALOG NUMBER: GALN-SA3C-730-U-SL2-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P528413  
 CATALOG NUMBER: GALN-SA3C-730-U-SL2-GRSBK

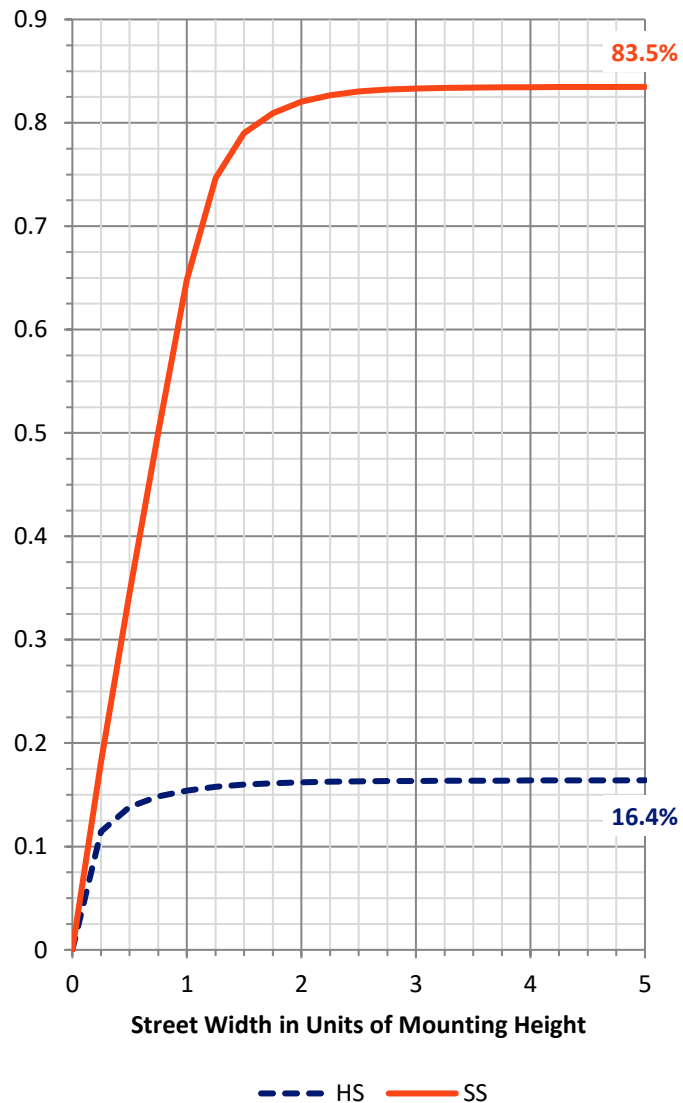
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1845.8	0.0	1845.8
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	9310.2	0.0	9310.2
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	11156.0	0.0	11156.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	343.8	3.1
10°-20°	788.2	7.1
20°-30°	1120.2	10.0
30°-40°	1728.8	15.5
40°-50°	2710.6	24.3
50°-60°	3148.7	28.2
60°-70°	1189.8	10.7
70°-80°	113.1	1.0
80°-90°	12.7	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°	11156.0	100.0
0°-180°	11156.0	100.0

**Coefficient of Utilization**

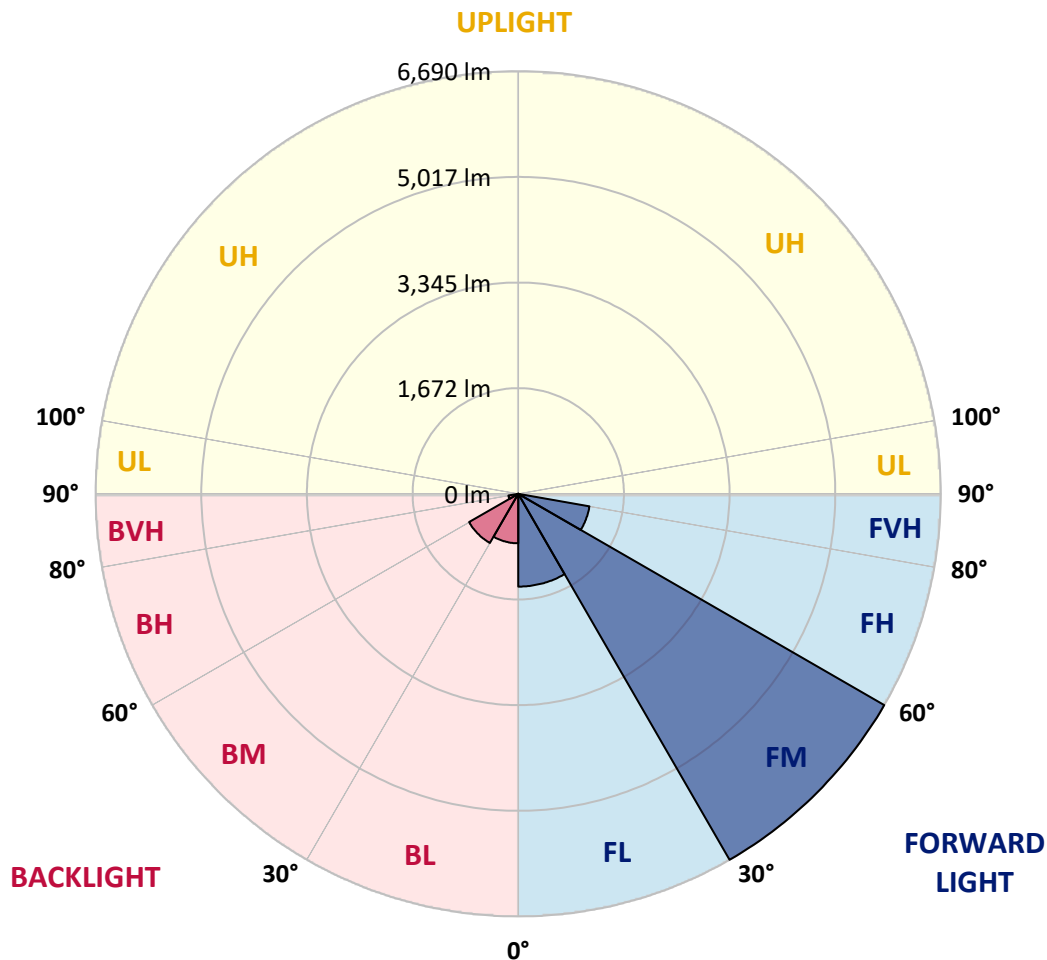


REPORT NUMBER: P528413  
 CATALOG NUMBER: GALN-SA3C-730-U-SL2-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1469.0	13.2			
FM (30°-60°)	6689.9	60.0			
FH (60°-80°)	1144.8	10.3			G1/1800
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	783.3	7.0	B2/1000		
BM (30°-60°)	898.2	8.1	B1/1000		
BH (60°-80°)	158.1	1.4	B1/500		G1/500
BVH (80°-90°)	6.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





REPORT NUMBER: P528413

CATALOG NUMBER: GALN-SA3C-730-U-SL2-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0
2.5°	3986.3	3950.9	3986.3	3990.4	4015.4	4038.2	4023.7	4056.9	4038.2	4017.4	4011.2
5°	3664.1	3711.9	3714.0	3788.8	3772.2	3909.4	3969.6	3953.0	4054.8	4048.6	4034.1
7.5°	3375.2	3356.5	3381.5	3468.8	3578.9	3736.9	3824.2	3822.1	3967.6	4071.5	4061.1
10°	3107.1	3105.0	3157.0	3225.6	3319.1	3485.4	3605.9	3666.2	3892.7	4050.7	4073.6
12.5°	2926.3	2918.0	2974.1	3030.2	3177.8	3306.6	3460.4	3489.5	3749.3	3978.0	4015.4
15°	2807.8	2826.5	2830.7	2938.8	3032.3	3202.7	3323.3	3383.5	3682.8	3919.8	4063.2
17.5°	2787.1	2812.0	2814.1	2903.4	3003.2	3146.6	3252.6	3333.7	3626.7	3948.9	4065.2
20°	2828.6	2814.1	2826.5	2882.7	2980.3	3117.5	3271.3	3298.3	3608.0	3963.4	4088.1
22.5°	2947.1	2942.9	2911.8	2957.5	3026.1	3169.5	3315.0	3356.5	3662.0	4038.2	4106.8
25°	3078.0	3100.9	3071.8	3065.6	3113.4	3254.7	3448.0	3502.0	3842.9	4173.3	4165.0
27.5°	3323.3	3300.4	3300.4	3271.3	3258.8	3327.4	3591.4	3680.7	4044.5	4347.9	4231.5
30°	3558.1	3583.1	3564.4	3574.8	3491.6	3485.4	3795.1	3905.2	4401.9	4613.9	4372.8
32.5°	3930.1	3896.9	3928.1	3901.1	3790.9	3678.7	4071.5	4185.8	4834.2	4919.4	4584.8
35°	4239.8	4225.3	4358.3	4354.1	4175.4	4065.2	4364.5	4534.9	5135.6	5285.2	4834.2
37.5°	4680.4	4653.4	4805.1	4877.9	4717.8	4553.7	4784.3	4981.8	5416.2	5578.3	5089.9
40°	5133.5	5202.1	5405.8	5526.3	5355.9	5137.7	5297.7	5358.0	5603.2	5769.5	5264.4
42.5°	5707.1	5806.9	6014.7	6118.6	6104.1	5867.2	5819.4	5817.3	5738.3	5715.4	5393.3
45°	6257.9	6220.5	6540.5	6767.1	6950.0	6881.4	6322.3	6260.0	5952.4	5796.5	5426.6
47.5°	6499.0	6486.5	6704.7	7107.9	7731.4	7816.7	7053.9	6812.8	6314.0	6137.3	5607.4
50°	6187.2	6251.7	6467.8	6914.7	7870.7	8521.2	7951.7	7627.5	6735.9	6553.0	6035.5
52.5°	5168.8	5212.5	5418.2	5985.6	7396.8	8936.9	8812.2	8625.1	7511.1	7207.7	6781.6
54°	4250.2	4366.6	4478.8	5048.3	6553.0	8706.2	9284.0	9140.6	8016.2	7752.2	7251.3
55°	3701.5	3770.1	3851.2	4418.6	5969.0	8315.5	9229.9	9242.4	8354.9	7922.6	7567.3
57.5°	2703.9	2751.7	2668.6	2920.1	4098.5	6752.5	8442.2	8778.9	8812.2	8178.3	7760.5
60°	2065.9	2086.7	1993.1	2032.6	2548.0	4634.7	6530.2	6935.4	7949.7	7147.4	6573.8
62.5°	1602.4	1606.6	1604.5	1673.1	1756.2	2726.8	4083.9	4443.5	5480.6	5075.3	4464.3
65°	1180.5	1161.8	1195.0	1402.9	1498.5	1714.6	2151.1	2413.0	2978.3	2514.8	1797.8
67.5°	764.8	771.1	804.3	1043.3	1284.4	1315.6	1323.9	1303.1	1305.2	719.1	451.0
70°	459.3	469.7	459.3	590.2	918.6	943.6	862.5	841.7	656.8	170.4	168.3
72.5°	272.3	257.7	230.7	253.6	382.4	457.2	411.5	409.4	257.7	99.8	99.8
75°	114.3	103.9	85.2	76.9	101.8	97.7	97.7	87.3	68.6	66.5	62.4
77.5°	22.9	22.9	16.6	18.7	24.9	29.1	35.3	35.3	41.6	41.6	39.5
80°	0.0	2.1	6.2	12.5	18.7	27.0	31.2	31.2	35.3	35.3	29.1
82.5°	0.0	2.1	6.2	12.5	16.6	24.9	31.2	31.2	35.3	37.4	31.2
85°	0.0	2.1	6.2	10.4	16.6	20.8	20.8	18.7	14.5	12.5	8.3
87.5°	0.0	0.0	2.1	4.2	2.1	4.2	4.2	4.2	4.2	4.2	4.2
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: P528413

CATALOG NUMBER: GALN-SA3C-730-U-SL2-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0	4007.0
2.5°	4025.8	4023.7	3973.8	3892.7	3874.0	3805.4	3797.1	3755.6	3778.4	3701.5	3693.2
5°	3992.5	3967.6	3907.3	3855.3	3703.6	3595.5	3510.3	3406.4	3346.1	3356.5	3317.0
7.5°	4040.3	3975.9	3869.9	3689.1	3504.1	3315.0	3213.1	3001.1	2924.2	2809.9	2793.3
10°	3990.4	3942.6	3778.4	3479.1	3223.5	2951.2	2712.2	2477.4	2298.6	2221.7	2205.1
12.5°	3986.3	3903.1	3628.8	3296.3	2926.3	2535.6	2188.5	1895.4	1718.8	1619.0	1596.2
15°	3921.8	3822.1	3460.4	3013.6	2502.3	2016.0	1637.7	1355.1	1220.0	1161.8	1178.4
17.5°	3928.1	3778.4	3292.1	2714.3	2084.6	1479.8	1118.1	972.7	937.3	951.9	951.9
20°	3921.8	3680.7	3088.4	2369.3	1596.2	1026.7	820.9	769.0	791.8	837.6	827.2
22.5°	3888.6	3635.0	2901.4	2005.6	1174.3	760.7	658.8	660.9	696.2	752.4	764.8
25°	3913.5	3533.2	2664.4	1637.7	856.3	606.9	571.5	586.1	623.5	665.1	673.4
27.5°	3894.8	3460.4	2417.1	1271.9	625.6	521.7	519.6	536.2	552.8	584.0	584.0
30°	3915.6	3393.9	2173.9	945.6	515.4	478.0	469.7	482.2	498.8	505.0	503.0
32.5°	3992.5	3344.1	1893.4	706.6	455.2	436.5	436.5	436.5	434.4	442.7	444.8
35°	4160.8	3352.4	1646.0	546.6	415.7	401.1	394.9	386.6	382.4	386.6	388.7
37.5°	4343.7	3348.2	1390.4	465.5	386.6	374.1	359.6	347.1	345.0	349.2	342.9
40°	4424.8	3387.7	1153.5	417.7	359.6	345.0	322.1	311.8	313.8	318.0	313.8
42.5°	4534.9	3400.2	999.7	380.3	334.6	311.8	297.2	284.7	282.7	288.9	286.8
45°	4532.9	3329.5	837.6	359.6	311.8	286.8	268.1	257.7	257.7	261.9	263.9
47.5°	4665.9	3319.1	719.1	340.8	295.1	270.2	247.3	239.0	236.9	236.9	232.8
50°	4975.6	3464.6	627.7	320.1	274.3	251.5	232.8	222.4	214.1	209.9	207.8
52.5°	5580.4	3917.7	557.0	295.1	251.5	232.8	216.1	207.8	197.4	187.1	185.0
54°	6166.4	4385.3	552.8	274.3	232.8	220.3	205.8	201.6	189.1	174.6	170.4
55°	6430.4	4657.6	567.4	257.7	220.3	212.0	199.5	195.4	182.9	166.3	164.2
57.5°	6648.6	4763.6	559.1	214.1	199.5	197.4	187.1	180.8	166.3	143.4	139.2
60°	5351.7	3601.8	401.1	189.1	182.9	178.7	170.4	166.3	147.6	122.6	120.5
62.5°	3381.5	2072.1	255.6	166.3	160.0	153.8	143.4	139.2	122.6	97.7	91.4
65°	1440.3	858.4	172.5	147.6	137.2	126.8	118.5	112.2	97.7	72.7	70.7
67.5°	374.1	305.5	143.4	128.9	114.3	99.8	93.5	83.1	66.5	49.9	47.8
70°	168.3	153.8	120.5	108.1	91.4	76.9	68.6	58.2	43.6	33.3	31.2
72.5°	99.8	97.7	91.4	81.1	68.6	58.2	49.9	39.5	29.1	18.7	18.7
75°	62.4	60.3	62.4	56.1	47.8	43.6	37.4	27.0	16.6	8.3	8.3
77.5°	37.4	37.4	37.4	35.3	33.3	33.3	27.0	16.6	8.3	2.1	2.1
80°	29.1	29.1	31.2	29.1	29.1	29.1	22.9	12.5	4.2	0.0	0.0
82.5°	29.1	31.2	35.3	33.3	29.1	24.9	20.8	12.5	4.2	0.0	0.0
85°	8.3	6.2	10.4	14.5	20.8	18.7	14.5	10.4	4.2	0.0	0.0
87.5°	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	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

(END OF REPORT)