

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: P533574

Luminaire Tested: **GALN-SA9A-730-U-T3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533574  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9A-730-U-T3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32190 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

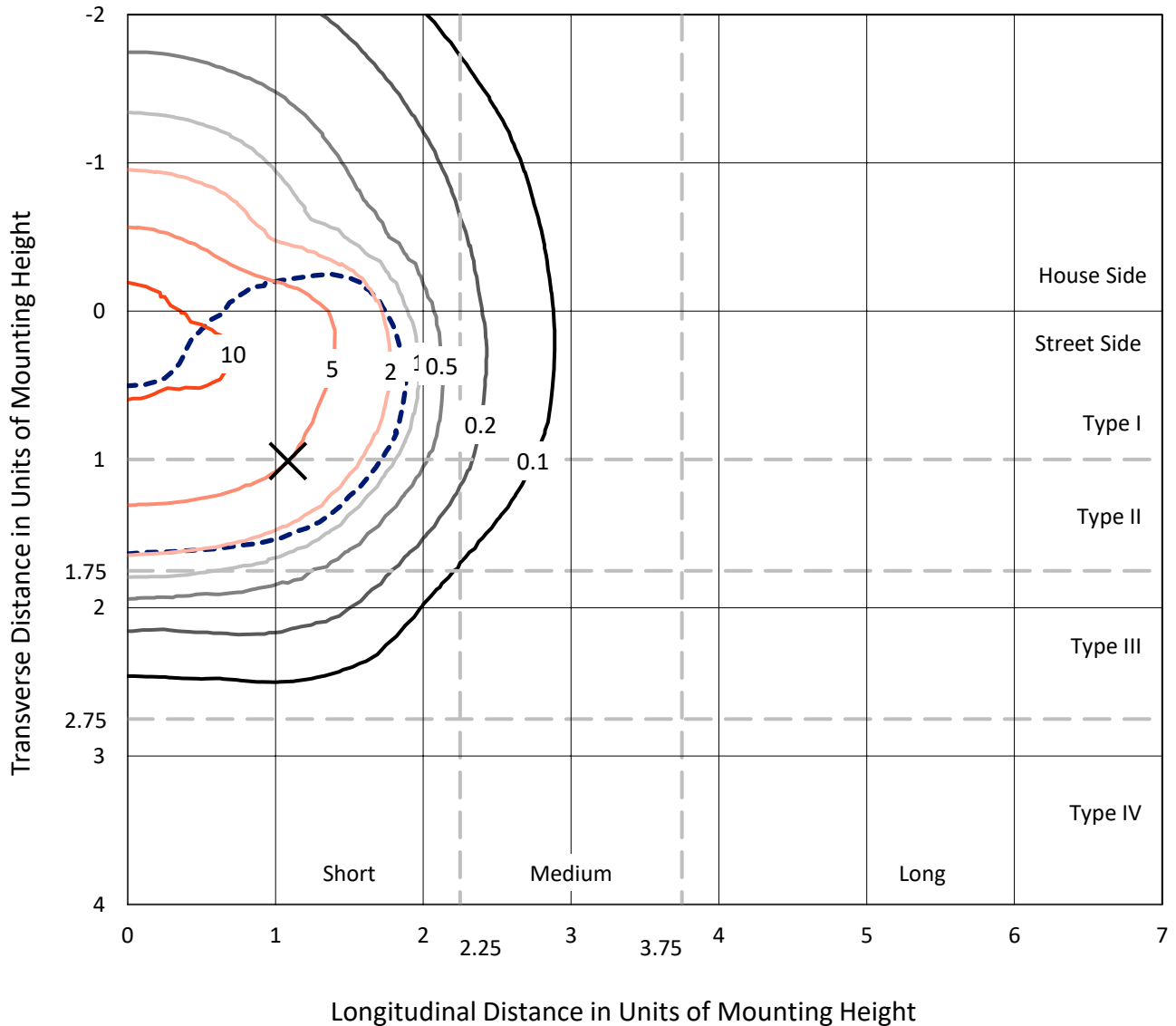
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P533574  
 CATALOG NUMBER: GALN-SA9A-730-U-T3-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

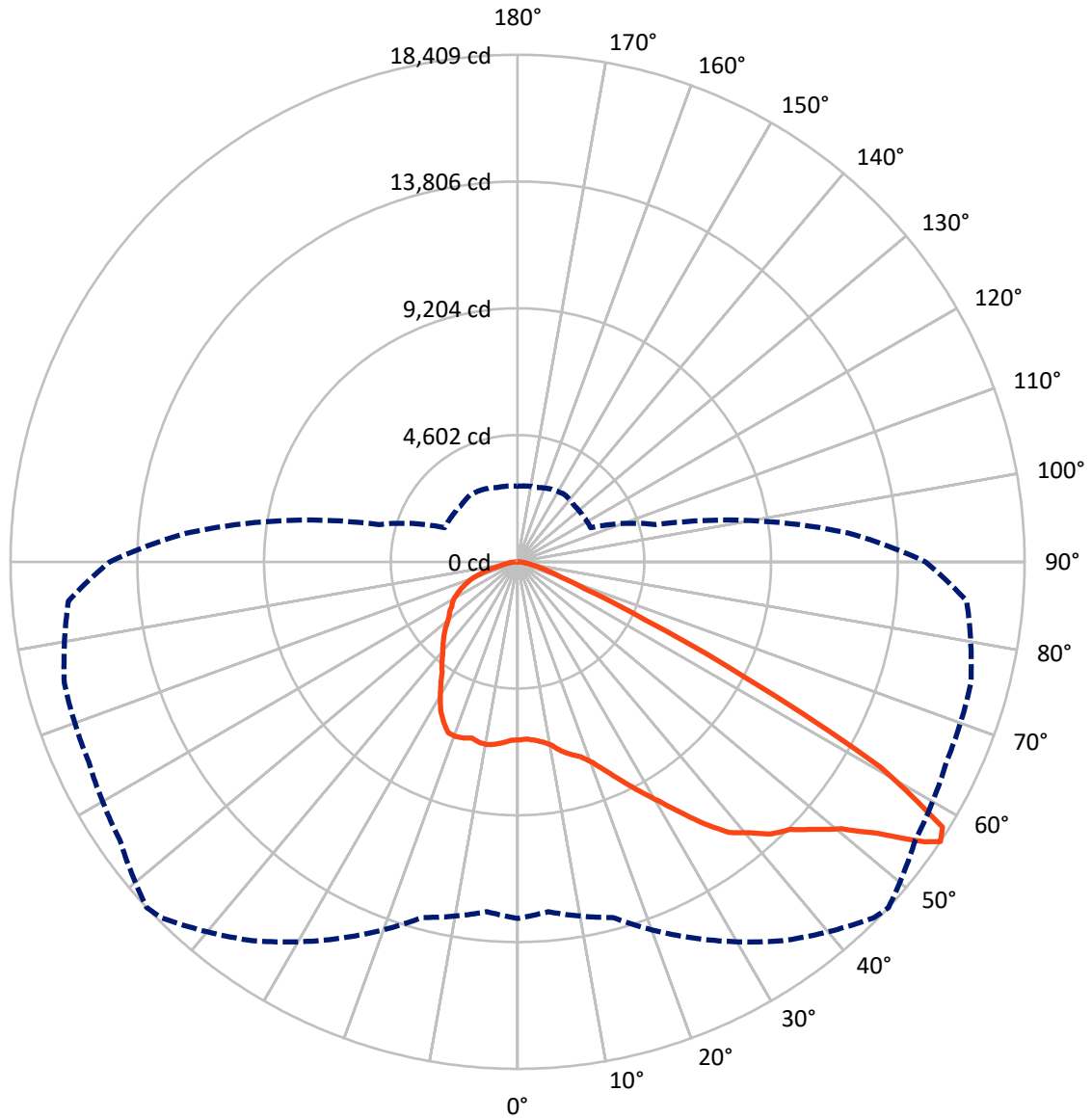
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P533574  
CATALOG NUMBER: GALN-SA9A-730-U-T3-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P533574  
 CATALOG NUMBER: GALN-SA9A-730-U-T3-GRSWH

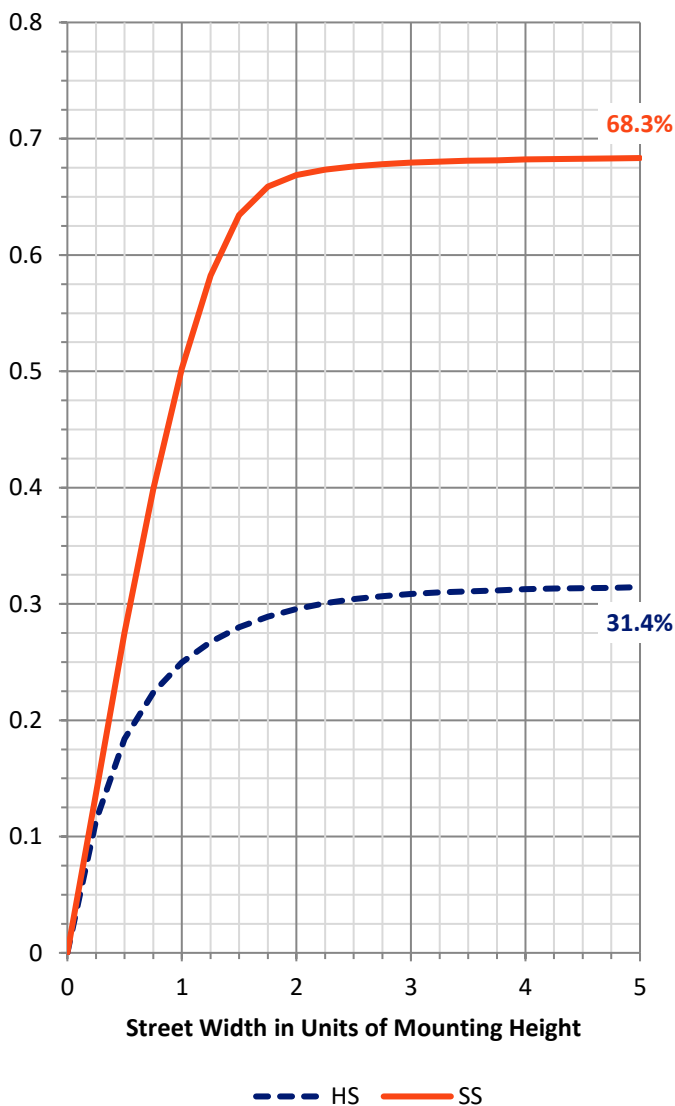
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10200.6	0.0	10200.6
	% Fixture	31.7	0.0	31.7
<b>Street Side</b>	Lumens	21989.4	0.0	21989.4
	% Fixture	68.3	0.0	68.3
<b>Total</b>	Lumens	32190.0	0.0	32190.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	630.0	2.0
10°-20°	1987.4	6.2
20°-30°	3513.3	10.9
30°-40°	5276.8	16.4
40°-50°	7241.9	22.5
50°-60°	8627.8	26.8
60°-70°	3692.2	11.5
70°-80°	1044.9	3.2
80°-90°	175.8	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°	32190.0	100.0
0°-180°	32190.0	100.0

**Coefficient of Utilization**



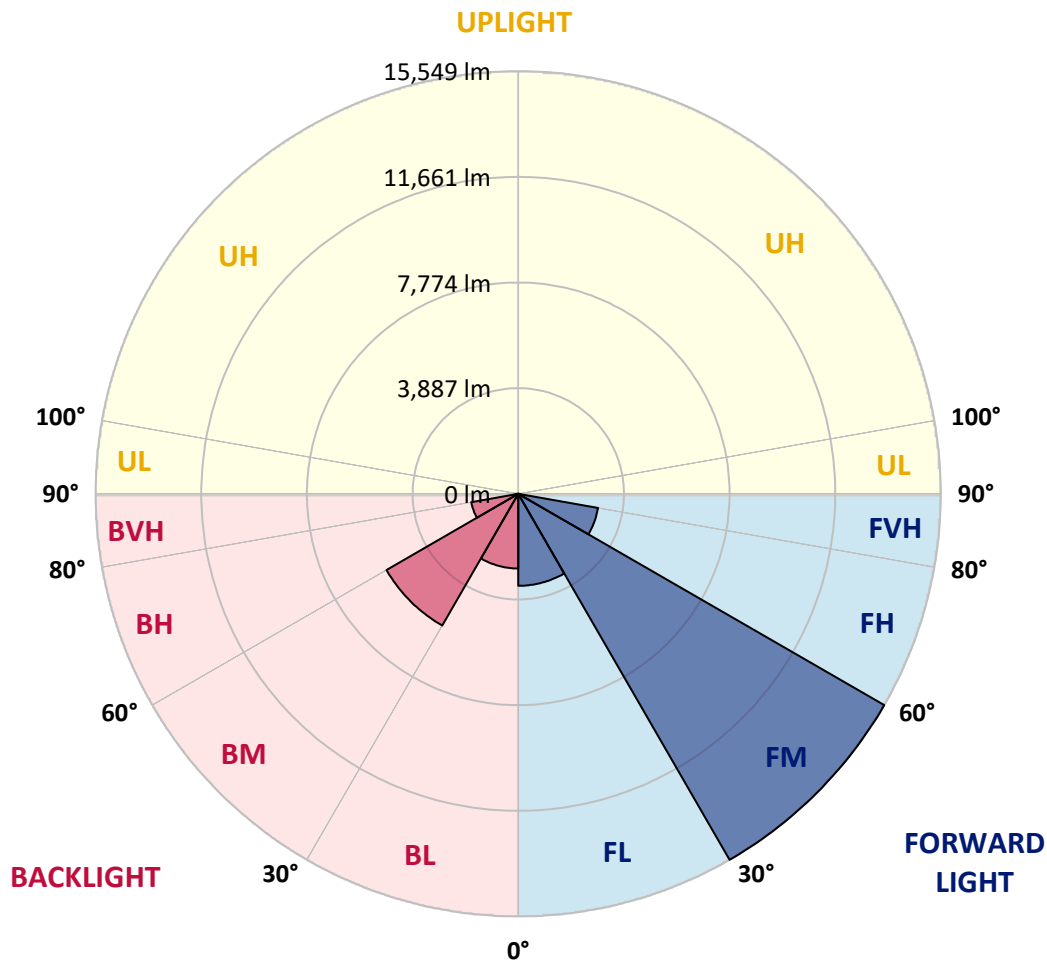
REPORT NUMBER: P533574  
 CATALOG NUMBER: GALN-SA9A-730-U-T3-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3384.3	10.5			
FM (30°-60°)	15548.5	48.3			
FH (60°-80°)	2982.0	9.3			G2/5000
FVH (80°-90°)	74.6	0.2			G1/100
BL (0°-30°)	2746.4	8.5	B4/5000		
BM (30°-60°)	5597.9	17.4	B4/8500		
BH (60°-80°)	1755.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	101.2	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 II Short





REPORT NUMBER: P533574

CATALOG NUMBER: GALN-SA9A-730-U-T3-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0
2.5°	6441.4	6429.0	6420.8	6486.5	6461.9	6466.0	6441.4	6466.0	6482.4	6445.5	6498.8
5°	6429.0	6466.0	6433.1	6453.7	6507.0	6490.6	6507.0	6556.3	6544.0	6531.7	6515.3
7.5°	6544.0	6548.1	6572.7	6580.9	6597.4	6580.9	6605.6	6650.7	6638.4	6568.6	6576.8
10°	6708.2	6716.4	6720.5	6765.7	6794.4	6798.5	6769.8	6728.7	6724.6	6819.1	6753.4
12.5°	6897.1	6876.5	6925.8	6942.2	6975.1	7012.0	7049.0	6962.7	7016.1	7020.2	6942.2
15°	7172.1	7192.6	7135.2	7135.2	7147.5	7151.6	7254.2	7213.2	7205.0	7159.8	7192.6
17.5°	7582.7	7443.1	7439.0	7381.5	7373.3	7406.1	7443.1	7475.9	7586.8	7496.4	7319.9
20°	7882.4	7915.2	7796.1	7726.3	7738.7	7812.6	7775.6	7923.4	8001.4	7853.6	7681.2
22.5°	8411.9	8301.1	8329.8	8173.8	8186.2	8264.2	8260.0	8411.9	8457.1	8223.1	7972.7
25°	8769.1	8740.4	8765.0	8641.9	8658.3	8719.9	8818.4	9068.8	8994.9	8736.3	8157.4
27.5°	9290.5	9233.0	9212.5	9167.3	9150.9	9315.1	9430.1	9696.9	9643.6	9265.9	8485.8
30°	9824.2	9787.3	9807.8	9623.0	9688.7	10037.7	10070.5	10435.9	10411.3	9746.2	8851.2
32.5°	10193.7	10214.2	10251.2	10148.5	10440.0	10719.2	10830.0	11244.7	11265.2	10571.4	9557.4
35°	10789.0	10719.2	10739.7	10858.8	10994.2	11503.3	11683.9	11959.0	12131.4	11437.6	10234.7
37.5°	11162.6	11236.5	11150.2	11339.1	11692.2	12303.9	12468.1	12751.3	12932.0	12291.5	11158.5
40°	11745.5	11626.5	11688.1	11823.5	12184.8	12981.3	12936.1	13227.6	13285.0	13018.2	12020.6
42.5°	12373.7	12316.2	12230.0	12537.9	12841.7	13420.5	13510.8	13375.4	13666.9	13728.4	13252.2
45°	13124.9	13194.7	13207.0	13215.3	13482.1	13987.1	13863.9	13744.9	14081.5	14529.0	14015.8
47.5°	13822.9	13601.2	13761.3	13983.0	14360.7	14364.8	14508.5	14225.2	14582.4	14980.6	14705.5
50°	14056.9	13950.1	14163.6	14582.4	15165.3	15226.9	15243.3	14841.0	15025.7	15341.9	14943.6
52.5°	13966.5	13929.6	14475.6	15124.3	15978.2	16290.2	16372.3	15875.6	15978.2	15834.5	15469.1
55°	13535.5	13646.3	14196.4	15518.4	16828.0	17792.8	17948.8	17320.7	16667.9	16778.7	16376.4
56°	12944.3	12751.3	13367.2	15070.9	16791.1	18281.3	18408.6	17624.4	17181.1	17037.4	16368.2
57.5°	10981.9	10731.5	11540.3	13560.1	15859.1	18096.6	18191.0	17751.7	17094.9	16803.4	15173.5
60°	6429.0	6552.2	7578.6	9352.1	12234.1	14836.9	15153.0	15473.2	15033.9	13728.4	11293.9
62.5°	3103.7	3025.7	3760.5	5361.6	7455.4	9471.1	9376.7	10275.8	10768.4	9754.4	7131.1
65°	1625.7	1617.5	2052.7	2927.1	4097.2	4975.7	5061.9	5546.4	6223.8	5025.0	3621.0
67.5°	1194.7	1227.5	1445.1	2056.8	2635.7	2689.0	2676.7	2918.9	2984.6	2524.8	2225.1
70°	936.0	952.5	1112.6	1564.2	1962.4	1757.1	1720.2	1748.9	1941.9	2024.0	1925.4
72.5°	677.4	693.8	829.3	1055.1	1227.5	1198.8	1223.4	1383.5	1621.6	1707.8	1605.2
75°	451.6	463.9	537.8	644.5	726.7	784.1	829.3	1014.0	1235.7	1285.0	1235.7
77.5°	312.0	324.3	373.6	455.7	463.9	500.9	517.3	603.5	739.0	800.6	767.7
80°	176.5	176.5	201.2	234.0	287.4	336.6	344.9	414.6	476.2	517.3	525.5
82.5°	82.1	86.2	106.7	143.7	188.8	234.0	242.2	287.4	332.5	373.6	385.9
85°	41.1	45.2	61.6	86.2	115.0	139.6	135.5	139.6	147.8	139.6	143.7
87.5°	12.3	12.3	16.4	20.5	16.4	20.5	20.5	24.6	28.7	32.8	36.9
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: P533574

CATALOG NUMBER: GALN-SA9A-730-U-T3-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0	6466.0
2.5°	6502.9	6515.3	6433.1	6511.2	6482.4	6478.3	6535.8	6527.6	6548.1	6539.9	6490.6
5°	6507.0	6478.3	6564.5	6486.5	6523.5	6601.5	6548.1	6671.3	6609.7	6650.7	6560.4
7.5°	6634.3	6642.5	6626.1	6658.9	6642.5	6679.5	6650.7	6679.5	6630.2	6634.3	6716.4
10°	6745.2	6720.5	6749.3	6708.2	6736.9	6724.6	6658.9	6638.4	6654.8	6634.3	6687.7
12.5°	6950.4	6905.3	6884.7	6835.5	6802.6	6679.5	6576.8	6519.4	6597.4	6609.7	6585.0
15°	7159.8	7163.9	7069.5	6958.6	6753.4	6568.6	6593.3	6613.8	6613.8	6646.6	6585.0
17.5°	7291.2	7291.2	7205.0	6983.3	6773.9	6667.2	6642.5	6576.8	6519.4	6511.2	6507.0
20°	7521.1	7451.3	7254.2	6979.2	6765.7	6716.4	6531.7	6375.7	6256.6	6215.6	6211.5
22.5°	7783.8	7607.3	7332.2	6987.4	6753.4	6683.6	6338.7	6104.7	5891.2	5800.9	5813.2
25°	8026.0	7742.8	7377.4	6950.4	6708.2	6371.6	5985.7	5661.3	5439.6	5365.7	5328.8
27.5°	8194.4	7886.5	7377.4	6983.3	6539.9	6022.6	5628.5	5213.8	5020.9	4971.6	4979.8
30°	8420.2	8067.1	7504.7	6913.5	6203.2	5571.0	5098.9	4827.9	4713.0	4671.9	4700.7
32.5°	8949.8	8539.2	7681.2	6745.2	5805.0	5119.4	4737.6	4585.7	4417.4	4335.3	4306.6
35°	9524.5	8986.7	7853.6	6461.9	5357.5	4708.9	4470.8	4331.2	4130.0	4039.7	4056.1
37.5°	10337.4	9561.5	7865.9	5993.9	4873.1	4479.0	4261.4	4043.8	3879.6	3740.0	3699.0
40°	11433.5	10345.6	7837.2	5501.2	4483.1	4208.0	4047.9	3777.0	3592.2	3493.7	3514.2
42.5°	12398.3	11265.2	7718.1	4942.9	4130.0	4023.3	3842.6	3575.8	3395.2	3292.5	3284.3
45°	13211.2	11942.6	7492.3	4466.7	3834.4	3818.0	3608.6	3403.4	3259.7	3165.3	3206.3
47.5°	13962.4	12488.6	7151.6	3990.4	3563.5	3596.3	3395.2	3267.9	3177.6	3091.4	3087.3
50°	14233.4	12480.4	6851.9	3596.3	3345.9	3329.5	3321.3	3185.8	3091.4	3017.5	3050.3
52.5°	14685.0	12620.0	6527.6	3325.4	3148.8	3152.9	3181.7	3083.1	2976.4	2931.3	2972.3
55°	15333.6	12640.5	5813.2	3009.3	2984.6	3013.4	3013.4	2947.7	2857.4	2820.4	2799.9
56°	14804.0	12028.8	5213.8	2927.1	2902.5	2902.5	2980.5	2906.6	2795.8	2767.0	2742.4
57.5°	13654.5	10538.5	4364.0	2828.6	2791.7	2849.1	2890.2	2812.2	2709.6	2668.5	2693.1
60°	9417.8	7131.1	3280.2	2615.1	2615.1	2709.6	2742.4	2627.5	2582.3	2578.2	2545.3
62.5°	5497.1	4154.7	2565.9	2422.2	2430.4	2508.4	2533.0	2467.3	2409.9	2479.7	2512.5
65°	2914.8	2479.7	2200.5	2216.9	2221.0	2282.6	2389.3	2385.2	2381.1	2401.7	2405.8
67.5°	2110.2	2060.9	1999.3	1982.9	1991.1	2036.3	2143.0	2225.1	2221.0	2171.8	2134.8
70°	1880.3	1810.5	1773.5	1777.6	1744.8	1798.2	1884.4	1937.7	1843.3	1785.8	1761.2
72.5°	1564.2	1543.6	1519.0	1523.1	1457.4	1445.1	1346.6	1346.6	1321.9	1305.5	1334.3
75°	1194.7	1186.5	1198.8	1178.2	1108.5	1034.6	977.1	923.7	841.6	808.8	792.3
77.5°	755.4	780.0	808.8	763.6	734.9	681.5	624.0	570.6	505.0	468.0	468.0
80°	513.2	533.7	554.2	546.0	513.2	463.9	418.8	361.3	316.1	287.4	283.3
82.5°	390.0	406.4	435.2	402.3	369.5	328.4	291.5	250.4	209.4	176.5	176.5
85°	139.6	160.1	176.5	193.0	205.3	209.4	180.6	147.8	119.1	94.4	90.3
87.5°	36.9	41.1	45.2	41.1	41.1	41.1	45.2	41.1	36.9	28.7	28.7
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)