

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: P528417

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528417  
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-SA3C-730-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA 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: 10567 lumens  
Efficiency: N/A  
Efficacy: 66.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

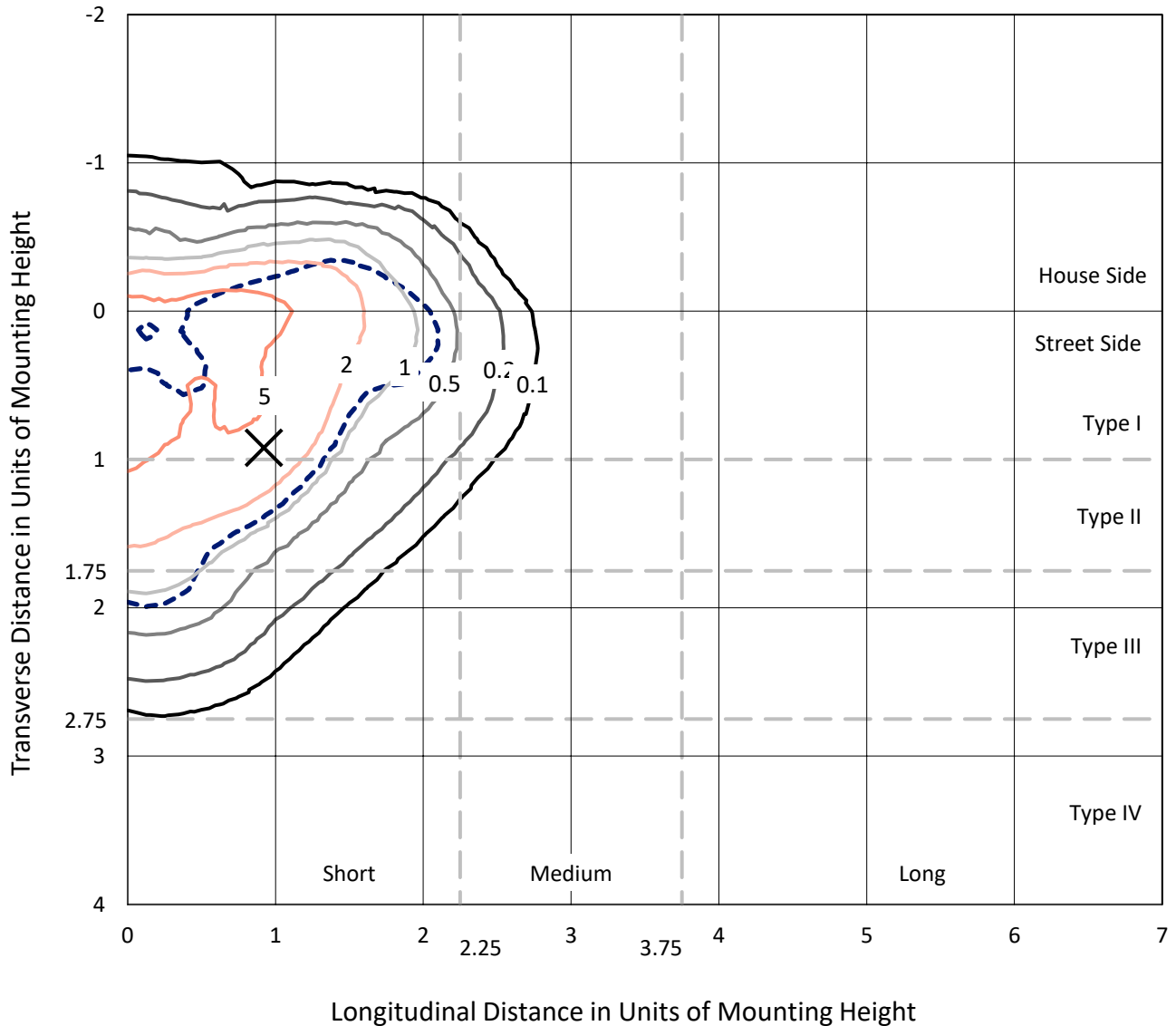
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

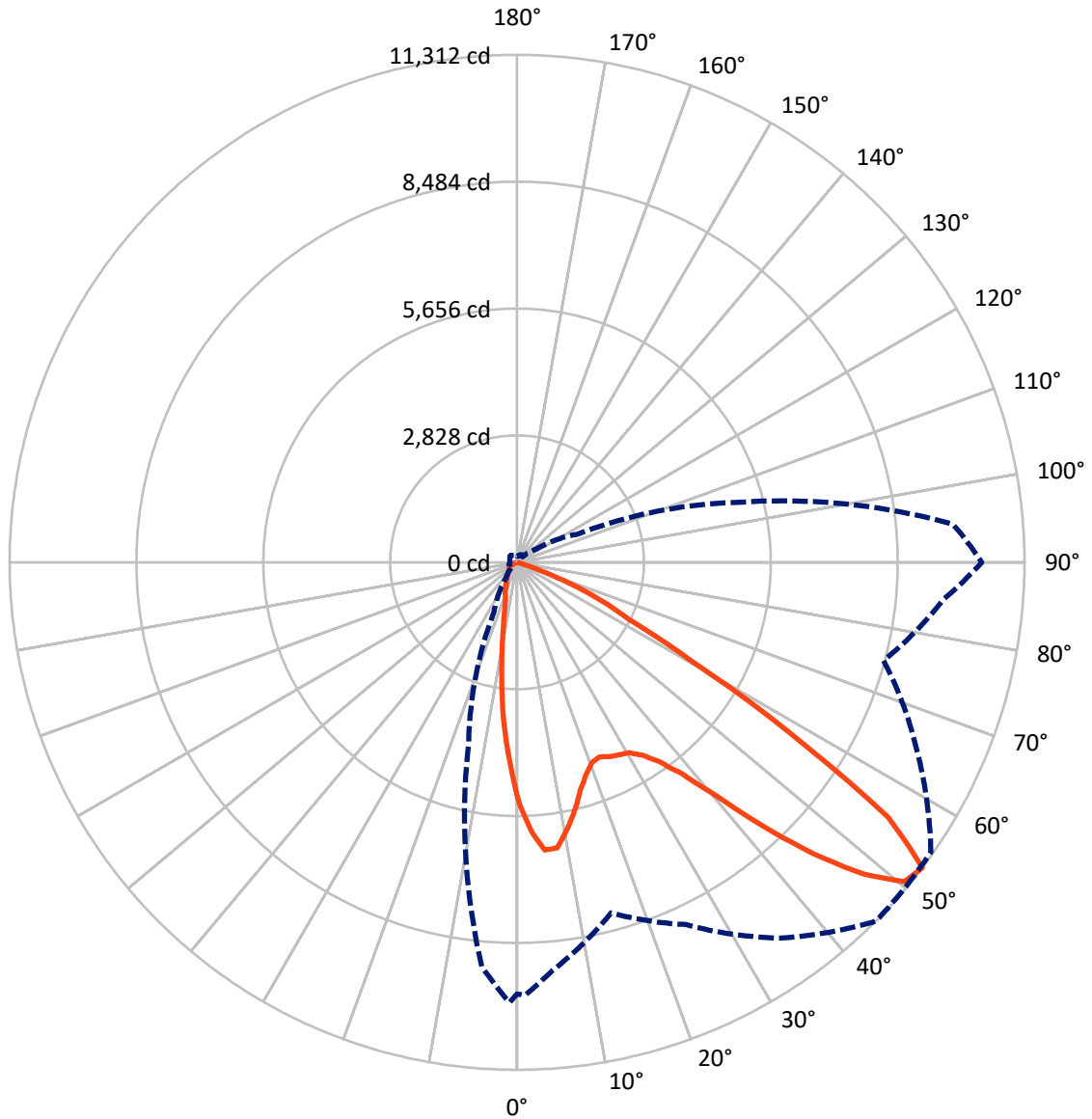
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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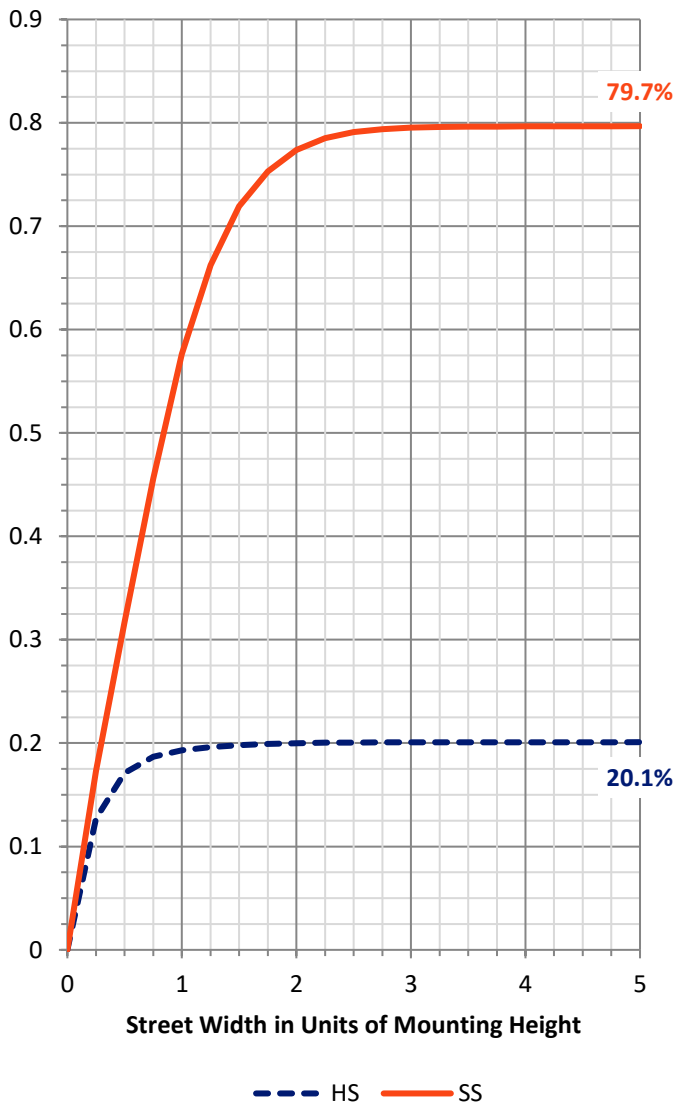
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2144.6	0.0	2144.6
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	8422.4	0.0	8422.4
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	10567.0	0.0	10567.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.8	3.7
10°-20°	770.9	7.3
20°-30°	1173.2	11.1
30°-40°	1753.5	16.6
40°-50°	2497.2	23.6
50°-60°	2684.4	25.4
60°-70°	1189.5	11.3
70°-80°	96.2	0.9
80°-90°	11.2	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°	10567.0	100.0
0°-180°	10567.0	100.0



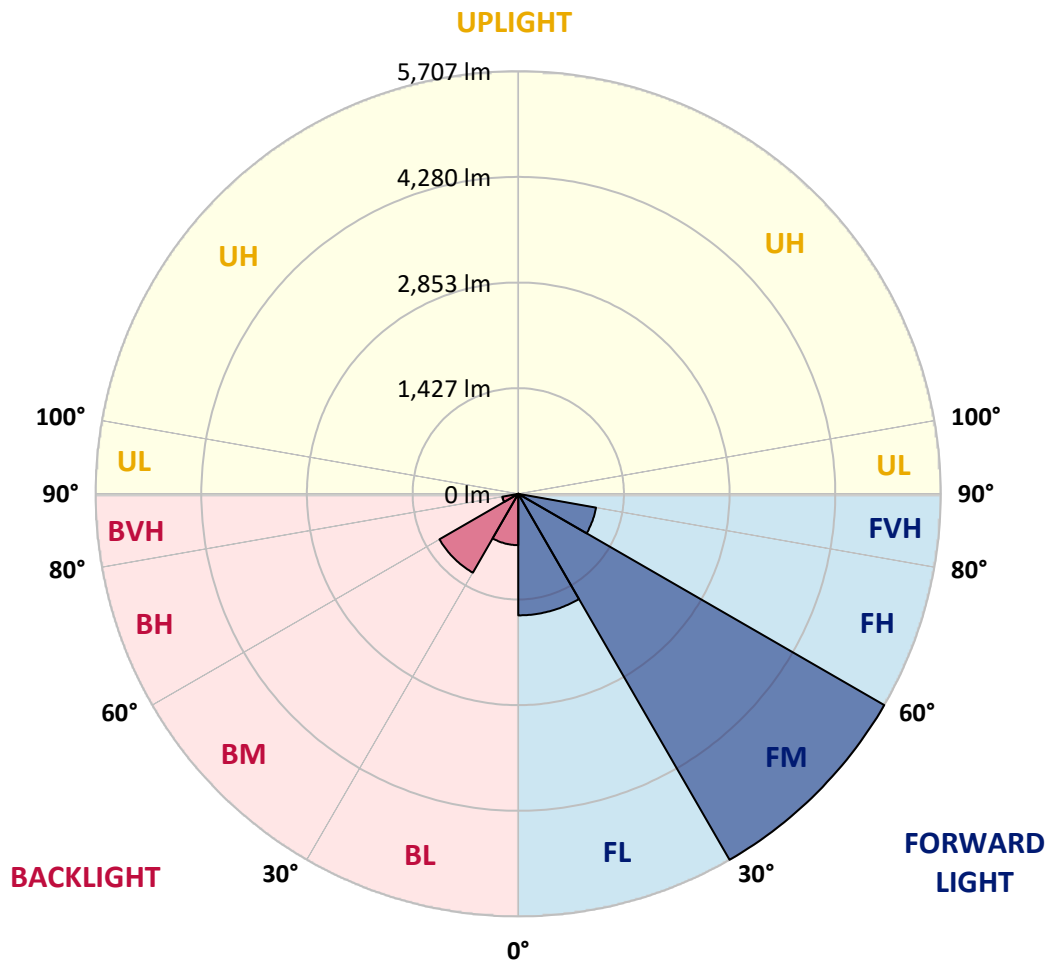
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1641.3	15.5			
FM (30°-60°)	5706.5	54.0			
FH (60°-80°)	1066.3	10.1			G1/1800
FVH (80°-90°)	8.3	0.1			G0/10
BL (0°-30°)	693.6	6.6	B2/1000		
BM (30°-60°)	1228.6	11.6	B2/2500		
BH (60°-80°)	219.4	2.1	B1/500		G1/500
BVH (80°-90°)	2.9	0.0			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0
2.5°	5669.7	5686.3	5777.8	5892.1	5952.4	6089.5	5993.9	6018.9	5966.9	5784.0	5640.6
5°	5497.2	5495.1	5611.5	5894.2	6162.3	6434.5	6442.9	6297.4	6041.7	5761.2	5360.0
7.5°	4977.6	5058.7	5179.2	5630.2	6126.9	6330.6	6428.3	6257.9	5865.1	5464.0	5029.6
10°	4584.8	4626.4	4830.1	5374.6	5738.3	6010.6	6070.8	5973.1	5671.8	5170.9	4684.6
12.5°	4358.3	4379.1	4618.1	5075.3	5459.8	5661.4	5690.5	5736.2	5520.1	5050.4	4466.4
15°	4360.4	4377.0	4699.1	5081.5	5233.3	5179.2	5274.8	5272.7	5366.3	5027.5	4649.2
17.5°	4674.2	4692.9	4983.9	5173.0	5106.5	4979.7	4973.5	5069.1	5266.5	5312.2	4925.7
20°	5214.6	5258.2	5472.3	5461.9	5087.8	4832.1	4761.5	4834.2	5293.5	5553.3	5482.7
22.5°	5942.0	6002.2	6151.9	5865.1	5173.0	4732.4	4709.5	4850.8	5472.3	6091.6	6114.5
25°	6785.8	6887.6	6960.4	6592.5	5476.4	4904.9	4796.8	5040.0	5713.4	6675.6	6918.8
27.5°	7344.9	7450.8	7434.2	6908.4	5680.1	4950.6	4859.2	5085.7	5923.3	6814.9	7338.6
30°	7781.3	7845.7	7962.1	7078.8	5883.8	5079.5	4923.6	5279.0	5991.9	7056.0	7845.7
32.5°	8290.5	8334.1	8342.5	7380.2	6197.6	5241.6	5123.1	5520.1	6295.3	7286.7	8294.7
35°	8803.8	8868.3	8733.2	7752.2	6390.9	5542.9	5455.6	5937.8	6538.5	7525.7	8789.3
37.5°	9360.8	9394.1	9082.3	7906.0	6667.3	6033.4	5985.6	6388.8	6960.4	7958.0	9338.0
40°	9828.5	9859.6	9454.4	8095.1	6958.3	6719.3	6841.9	7249.2	7534.0	8238.5	9612.3
42.5°	10088.3	10161.0	9579.1	7991.2	7542.3	7496.6	8041.1	8184.5	8199.1	8317.5	9857.6
45°	10158.9	10125.7	9373.3	8076.4	8053.6	8774.8	9269.4	9458.5	8860.0	8463.0	9919.9
47.5°	9832.6	9876.3	9069.9	8001.6	8724.9	9743.3	10383.4	10734.6	9352.5	8336.2	9766.1
50°	9568.7	9512.6	8972.2	7947.6	8905.7	10200.5	11187.7	11266.7	9805.6	8492.1	9597.8
52.5°	9620.6	9656.0	9128.1	8091.0	8909.8	10227.5	11312.4	11258.4	9820.2	8456.8	9537.5
55°	9730.8	9574.9	9061.6	7775.1	8313.4	9473.1	10040.5	9957.3	9063.6	8080.6	9389.9
57.5°	8396.5	8637.6	8332.1	6941.7	6823.2	7137.0	7126.6	7382.3	6760.8	6954.1	8548.2
60°	6814.9	6856.4	6970.8	5937.8	4722.0	4613.9	4464.3	4302.2	4549.5	5946.1	7775.1
62.5°	5993.9	5944.1	6351.4	5401.6	3333.7	2791.2	2766.3	2866.0	3510.3	5671.8	7292.9
65°	4356.2	4418.6	4713.7	4192.0	2502.3	2130.3	2092.9	2388.0	2841.1	4545.3	5565.8
67.5°	2660.3	2780.8	2807.8	2585.5	1698.0	1348.8	1294.8	1562.9	2051.3	2940.9	3263.0
70°	1228.3	1373.8	1511.0	1411.2	983.1	554.9	523.7	656.8	1035.0	1691.8	1731.3
72.5°	372.0	374.1	523.7	546.6	318.0	124.7	110.2	145.5	351.2	559.1	588.2
75°	27.0	29.1	70.7	81.1	60.3	31.2	33.3	39.5	74.8	124.7	93.5
77.5°	2.1	2.1	2.1	10.4	18.7	20.8	27.0	31.2	39.5	45.7	41.6
80°	2.1	0.0	2.1	8.3	14.5	20.8	24.9	29.1	31.2	35.3	31.2
82.5°	0.0	0.0	0.0	6.2	14.5	20.8	22.9	31.2	35.3	41.6	35.3
85°	0.0	0.0	0.0	6.2	14.5	22.9	20.8	10.4	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0
2.5°	5665.6	5584.5	5399.5	5306.0	5085.7	5054.5	4838.4	4803.0	4730.3	4690.8	4595.2
5°	5183.4	5085.7	4784.3	4530.8	4235.7	4029.9	3871.9	3728.5	3645.4	3568.5	3603.8
7.5°	4790.6	4505.8	4171.2	3747.2	3406.4	3186.1	2945.0	2747.6	2631.2	2552.2	2570.9
10°	4379.1	4194.1	3728.5	3252.6	2841.1	2685.2	2496.1	2344.4	2180.2	2038.9	1972.3
12.5°	4250.2	3975.9	3391.9	2907.6	2595.8	2444.1	2228.0	2053.4	1843.5	1671.0	1610.7
15°	4273.1	4009.1	3300.4	2782.9	2415.0	2153.2	1895.4	1679.3	1448.6	1328.1	1265.7
17.5°	4645.1	4187.9	3360.7	2652.0	2163.6	1799.8	1481.9	1207.5	1035.0	910.3	883.3
20°	5102.3	4574.4	3489.5	2556.4	1957.8	1432.0	1082.8	845.9	702.5	681.7	675.5
22.5°	5771.5	5206.2	3766.0	2491.9	1706.3	1116.1	742.0	615.2	575.7	571.5	573.6
25°	6706.8	5998.1	4067.3	2437.9	1517.2	860.4	606.9	521.7	509.2	503.0	513.3
27.5°	7112.1	6476.1	4227.3	2321.5	1344.7	775.2	598.6	517.5	482.2	471.8	478.0
30°	7613.0	6794.1	4478.8	2122.0	1091.1	638.1	559.1	563.2	546.6	494.6	478.0
32.5°	8278.0	7191.1	4605.6	1980.7	974.7	527.9	409.4	376.2	419.8	428.1	442.7
35°	8704.1	7594.3	4670.0	1897.5	914.5	451.0	347.1	315.9	305.5	307.6	315.9
37.5°	9495.9	8138.8	4751.1	1810.2	868.7	392.8	313.8	284.7	270.2	270.2	278.5
40°	9969.8	8571.1	4861.2	1762.4	823.0	357.5	284.7	259.8	247.3	247.3	251.5
42.5°	10088.3	8785.1	4823.8	1745.8	771.1	349.2	259.8	241.1	226.5	224.5	222.4
45°	10300.3	9111.4	4830.1	1727.1	717.0	318.0	245.2	224.5	203.7	201.6	199.5
47.5°	10533.0	9346.3	4842.5	1654.4	665.1	266.0	255.6	207.8	182.9	178.7	178.7
50°	10333.5	9533.3	4950.6	1581.6	598.6	216.1	251.5	195.4	162.1	155.9	158.0
52.5°	10358.4	9753.6	5179.2	1479.8	515.4	172.5	203.7	185.0	147.6	137.2	139.2
55°	9959.4	9520.9	5210.4	1371.7	403.2	133.0	155.9	162.1	124.7	120.5	120.5
57.5°	8573.2	8061.9	4597.3	1111.9	266.0	110.2	112.2	141.3	108.1	103.9	106.0
60°	7336.5	6472.0	3699.4	733.7	166.3	87.3	81.1	143.4	95.6	93.5	99.8
62.5°	6688.1	5318.5	2805.8	455.2	114.3	66.5	56.1	116.4	83.1	83.1	91.4
65°	4832.1	3572.7	1631.5	239.0	81.1	52.0	41.6	66.5	68.6	70.7	74.8
67.5°	2992.8	1804.0	687.9	116.4	54.0	35.3	27.0	41.6	45.7	45.7	49.9
70°	1477.7	719.1	228.6	66.5	41.6	29.1	18.7	22.9	22.9	20.8	22.9
72.5°	457.2	216.1	58.2	41.6	29.1	18.7	10.4	8.3	4.2	0.0	2.1
75°	52.0	41.6	37.4	29.1	18.7	8.3	2.1	0.0	0.0	0.0	0.0
77.5°	31.2	35.3	35.3	29.1	18.7	6.2	0.0	0.0	0.0	0.0	0.0
80°	24.9	27.0	29.1	27.0	16.6	8.3	0.0	0.0	0.0	0.0	0.0
82.5°	31.2	35.3	39.5	35.3	22.9	10.4	4.2	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	6.2	2.1	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0
2.5°	4555.7	4510.0	4574.4	4478.8	4476.7	4478.8	4451.8	4426.9	4466.4	4572.3	4582.7
5°	3477.1	3574.7	3605.9	3707.8	3651.6	3568.5	3585.1	3529.0	3666.2	3726.5	3678.7
7.5°	2531.4	2525.2	2735.1	2747.6	2774.6	2776.7	2772.5	2662.4	2550.1	2575.1	2649.9
10°	1964.0	1858.0	1959.9	1949.5	2016.0	1997.3	2024.3	1905.8	1945.3	1945.3	1993.1
12.5°	1600.3	1488.1	1469.4	1442.4	1469.4	1479.8	1490.2	1467.3	1533.8	1565.0	1598.2
15°	1222.1	1159.7	1143.1	1091.1	1099.4	1128.5	1153.5	1163.9	1143.1	1190.9	1195.0
17.5°	887.5	885.4	895.8	893.7	885.4	879.1	877.1	850.0	841.7	845.9	862.5
20°	673.4	690.0	725.3	760.7	779.4	756.5	725.3	679.6	660.9	665.1	667.1
22.5°	575.7	600.6	648.4	687.9	706.6	665.1	609.0	569.5	561.2	559.1	557.0
25°	521.7	550.8	586.1	598.6	596.5	571.5	530.0	513.3	509.2	505.0	486.3
27.5°	492.6	503.0	509.2	523.7	530.0	513.3	503.0	478.0	473.9	473.9	461.4
30°	475.9	469.7	478.0	467.6	475.9	463.5	465.5	465.5	455.2	459.3	459.3
32.5°	442.7	444.8	444.8	424.0	430.2	415.7	430.2	442.7	444.8	446.8	463.5
35°	324.2	361.6	380.3	380.3	386.6	376.2	374.1	359.6	340.8	322.1	313.8
37.5°	284.7	299.3	324.2	338.8	349.2	340.8	322.1	299.3	288.9	280.6	272.3
40°	253.6	266.0	282.7	299.3	320.1	309.7	280.6	270.2	257.7	257.7	249.4
42.5°	228.6	234.9	245.2	270.2	293.0	272.3	251.5	243.2	236.9	234.9	232.8
45°	205.8	207.8	218.2	239.0	266.0	245.2	224.5	214.1	216.1	218.2	216.1
47.5°	185.0	189.1	195.4	220.3	236.9	226.5	203.7	197.4	197.4	197.4	199.5
50°	160.0	170.4	182.9	203.7	216.1	209.9	191.2	182.9	178.7	178.7	180.8
52.5°	143.4	151.7	168.3	193.3	209.9	199.5	180.8	168.3	160.0	158.0	162.1
55°	124.7	139.2	166.3	185.0	207.8	197.4	176.7	162.1	147.6	145.5	145.5
57.5°	112.2	135.1	160.0	182.9	201.6	193.3	176.7	158.0	139.2	137.2	137.2
60°	106.0	130.9	155.9	176.7	201.6	189.1	174.6	153.8	133.0	133.0	130.9
62.5°	99.8	122.6	147.6	168.3	193.3	182.9	168.3	147.6	126.8	126.8	122.6
65°	83.1	106.0	122.6	141.3	168.3	158.0	143.4	128.9	112.2	108.1	110.2
67.5°	58.2	72.7	89.4	108.1	124.7	120.5	114.3	103.9	89.4	87.3	85.2
70°	29.1	39.5	54.0	72.7	87.3	83.1	79.0	70.7	62.4	60.3	60.3
72.5°	4.2	12.5	22.9	33.3	45.7	47.8	45.7	43.6	41.6	39.5	41.6
75°	0.0	0.0	0.0	8.3	18.7	22.9	27.0	31.2	31.2	27.0	33.3
77.5°	0.0	0.0	0.0	0.0	2.1	10.4	20.8	27.0	33.3	29.1	39.5
80°	0.0	0.0	0.0	0.0	2.1	12.5	20.8	29.1	33.3	29.1	41.6
82.5°	0.0	0.0	0.0	0.0	2.1	14.5	20.8	27.0	31.2	29.1	37.4
85°	0.0	0.0	0.0	0.0	6.2	12.5	8.3	4.2	2.1	2.1	6.2
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: P528417

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

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0	5358.0
2.5°	4640.9	4788.5	4946.4	5006.7	5193.8	5335.1	5430.7	5636.5	5667.6	5669.7
5°	3728.5	3803.4	4073.5	4200.3	4478.8	4695.0	4925.7	5258.2	5480.6	5497.2
7.5°	2649.9	2857.7	2972.0	3302.5	3645.4	3984.2	4327.1	4713.7	4971.4	4977.6
10°	2132.4	2267.5	2471.1	2718.5	3007.4	3352.4	3809.6	4258.5	4520.4	4584.8
12.5°	1716.7	1953.6	2186.4	2442.0	2662.4	2922.1	3414.7	4013.3	4229.4	4358.3
15°	1321.8	1538.0	1812.3	2111.6	2361.0	2708.1	3269.2	3953.0	4316.7	4360.4
17.5°	974.7	1168.0	1421.6	1704.2	2078.3	2570.9	3294.2	4258.5	4601.4	4674.2
20°	700.4	812.6	1012.2	1340.5	1816.5	2410.9	3319.1	4568.2	5089.9	5214.6
22.5°	554.9	600.6	731.6	1022.5	1523.4	2242.5	3495.8	5160.5	5761.2	5942.0
25°	482.2	507.1	569.5	806.4	1338.5	2225.9	3778.4	5871.3	6654.8	6785.8
27.5°	465.5	469.7	523.7	739.9	1238.7	2115.7	3886.5	6376.3	7211.8	7344.9
30°	490.5	557.0	561.2	625.6	1053.7	1897.5	3942.6	6864.8	7683.6	7781.3
32.5°	424.0	403.2	417.7	484.3	926.9	1770.7	4048.6	7290.8	8221.9	8290.5
35°	295.1	309.7	342.9	419.8	810.6	1637.7	4075.6	7760.5	8733.2	8803.8
37.5°	272.3	280.6	307.6	357.5	712.9	1562.9	4038.2	8103.4	9263.2	9360.8
40°	253.6	263.9	278.5	324.2	640.1	1479.8	3986.3	8413.1	9587.4	9828.5
42.5°	239.0	247.3	259.8	309.7	577.8	1396.6	3913.5	8849.6	9878.3	10088.3
45°	222.4	234.9	249.4	301.4	542.4	1340.5	3859.5	8822.6	10046.7	10158.9
47.5°	205.8	226.5	243.2	280.6	532.1	1313.5	3882.3	8720.7	9909.5	9832.6
50°	189.1	216.1	245.2	232.8	507.1	1259.5	3909.4	8860.0	9583.2	9568.7
52.5°	174.6	205.8	228.6	191.2	451.0	1207.5	4171.2	9042.9	9813.9	9620.6
55°	153.8	185.0	182.9	153.8	365.8	1168.0	4377.0	9047.0	9658.0	9730.8
57.5°	139.2	164.2	143.4	128.9	270.2	976.8	4042.4	7585.9	8267.6	8396.5
60°	128.9	160.0	108.1	101.8	176.7	704.6	3529.0	5875.5	6571.7	6814.9
62.5°	118.5	151.7	85.2	83.1	122.6	500.9	2901.4	4917.4	5663.5	5993.9
65°	103.9	108.1	68.6	64.4	87.3	270.2	1766.6	3385.6	4233.6	4356.2
67.5°	85.2	83.1	56.1	52.0	58.2	130.9	779.4	1695.9	2454.5	2660.3
70°	68.6	68.6	47.8	41.6	41.6	60.3	203.7	675.5	1109.8	1228.3
72.5°	49.9	52.0	37.4	33.3	31.2	29.1	33.3	135.1	291.0	372.0
75°	43.6	45.7	37.4	29.1	22.9	18.7	14.5	12.5	16.6	27.0
77.5°	47.8	47.8	39.5	27.0	20.8	14.5	8.3	4.2	4.2	2.1
80°	60.3	62.4	52.0	35.3	24.9	16.6	10.4	4.2	2.1	2.1
82.5°	64.4	70.7	58.2	43.6	31.2	18.7	10.4	2.1	0.0	0.0
85°	16.6	27.0	45.7	39.5	31.2	18.7	10.4	2.1	0.0	0.0
87.5°	0.0	2.1	6.2	6.2	8.3	8.3	6.2	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

(END OF REPORT)