

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: P532629

Luminaire Tested: **GALN-SA8A-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532629  
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-SA8A-730-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 615mA 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: 18592 lumens  
Efficiency: N/A  
Efficacy: 76.2 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

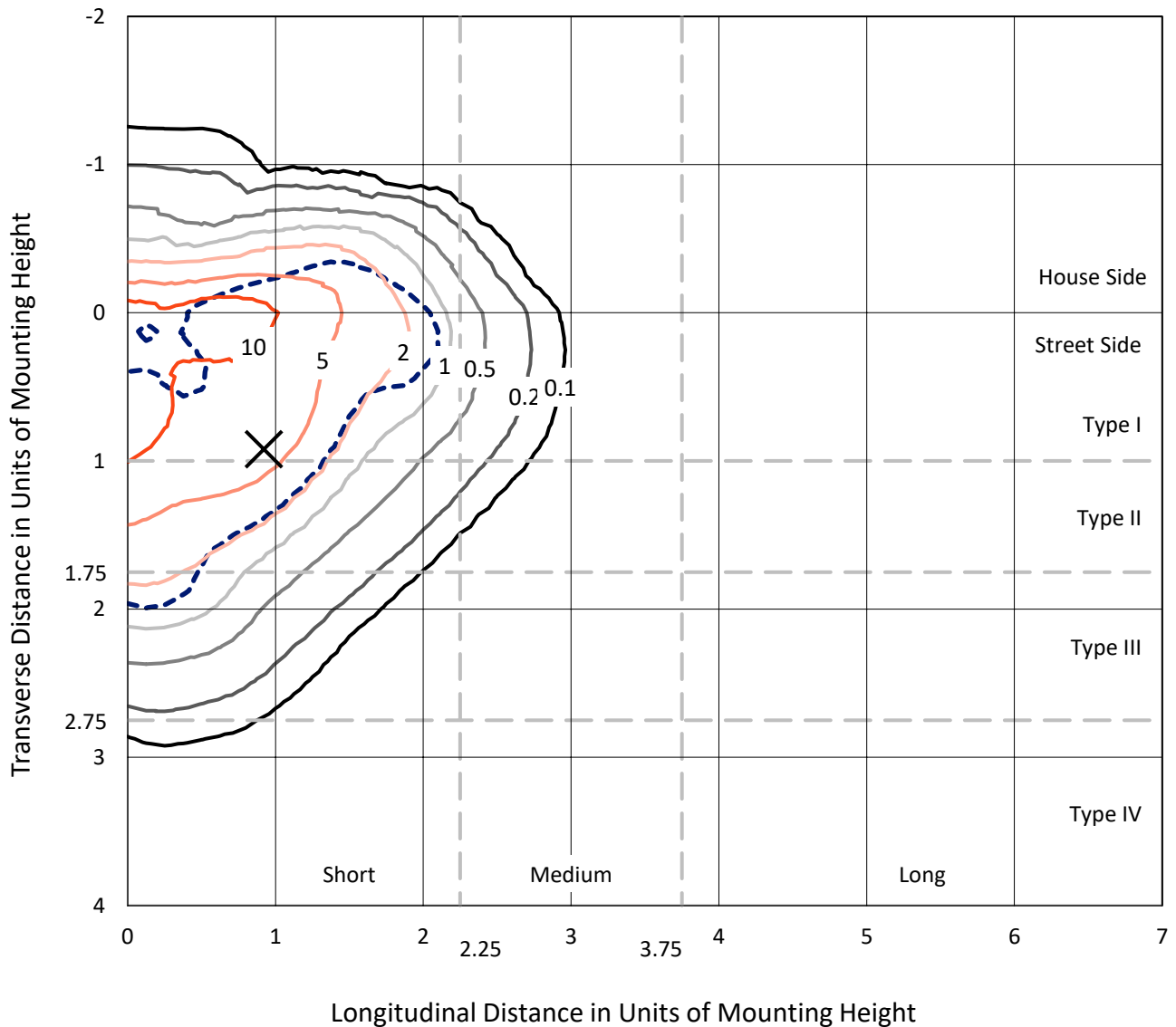
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

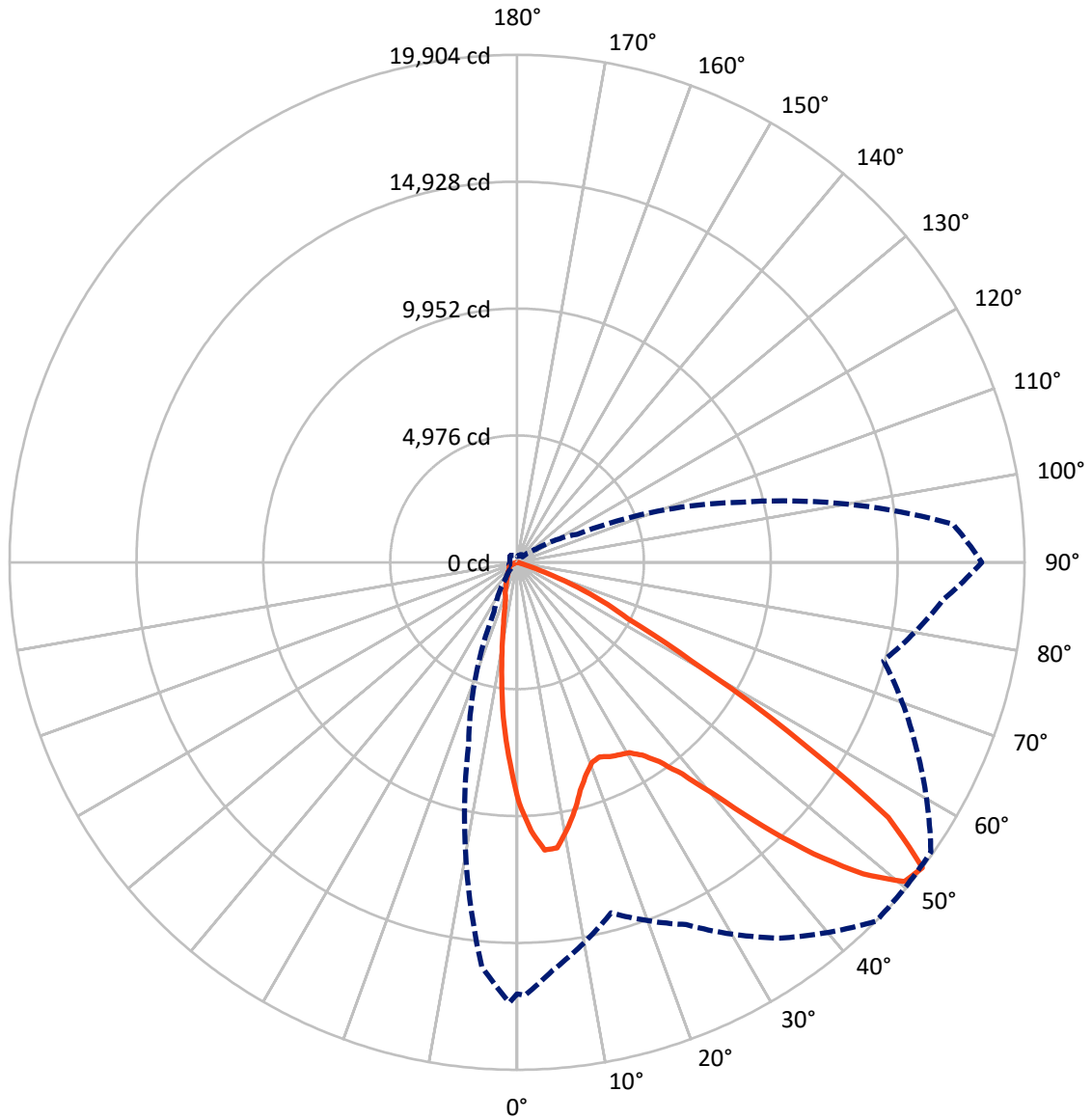
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 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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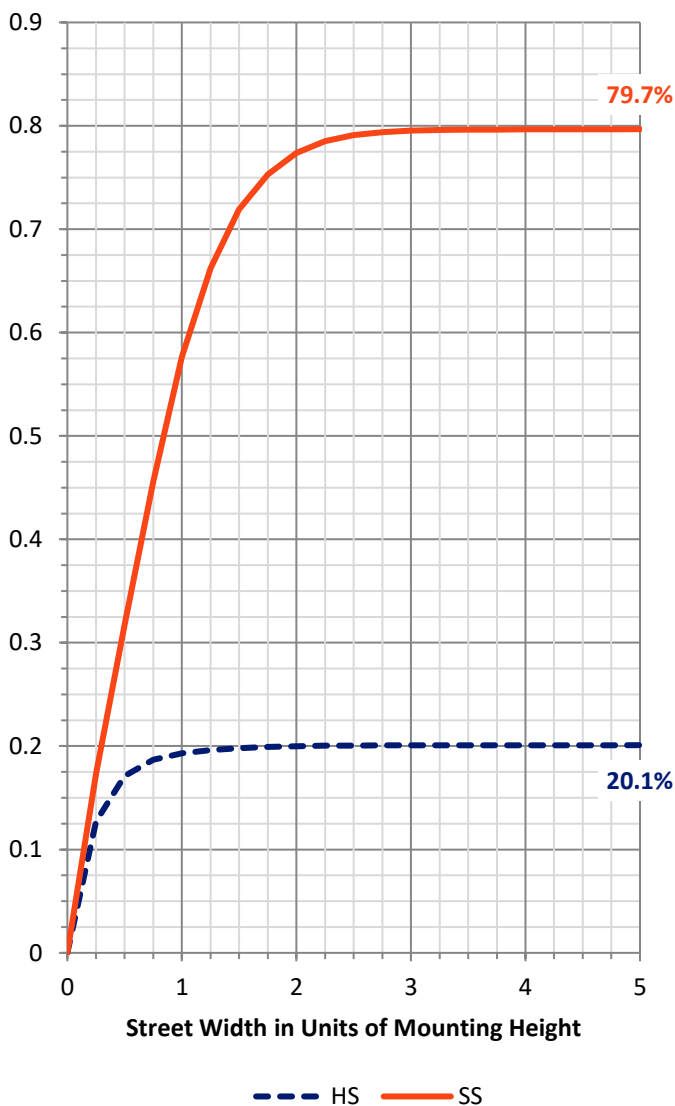
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3773.3	0.0	3773.3
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	14818.8	0.0	14818.8
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	18592.0	0.0	18592.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	687.5	3.7
10°-20°	1356.4	7.3
20°-30°	2064.2	11.1
30°-40°	3085.2	16.6
40°-50°	4393.7	23.6
50°-60°	4723.0	25.4
60°-70°	2092.9	11.3
70°-80°	169.3	0.9
80°-90°	19.7	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°	18592.0	100.0
0°-180°	18592.0	100.0

**Coefficient of Utilization**

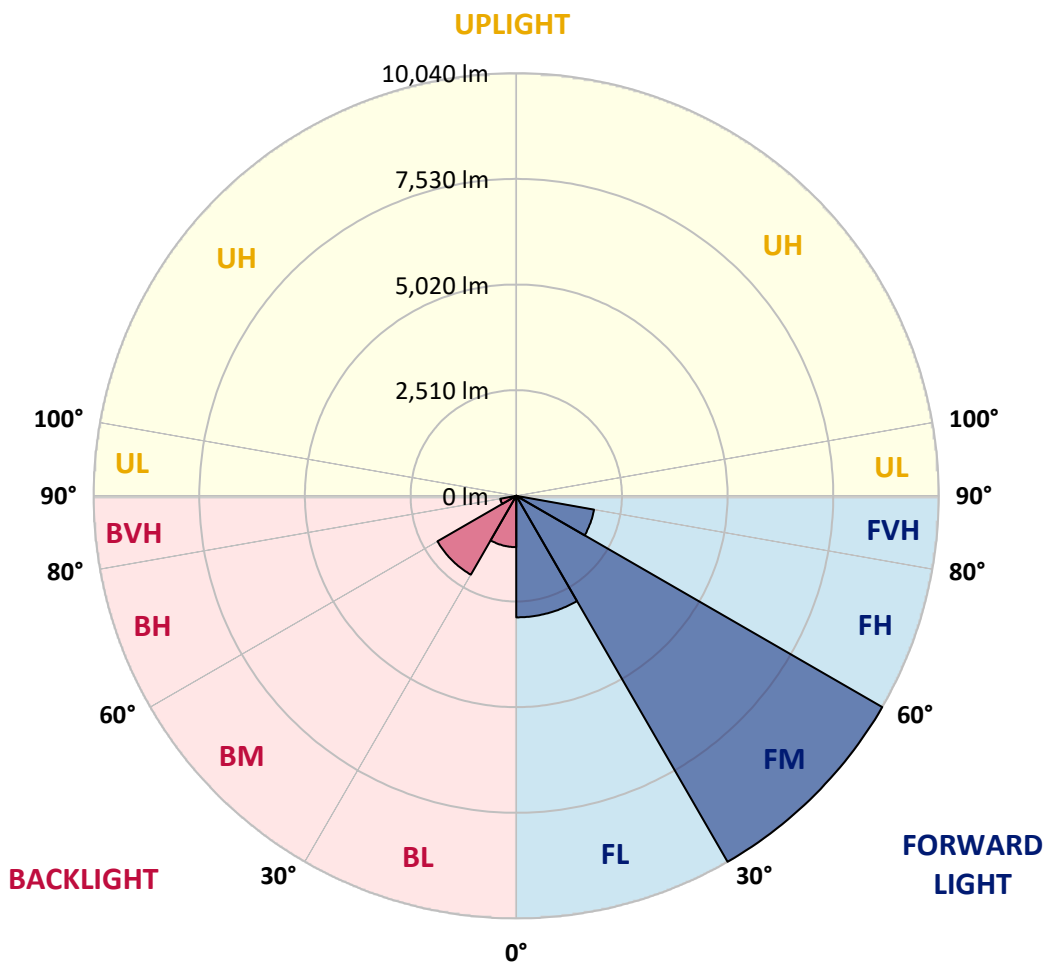


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2887.7	15.5			
FM (30°-60°)	10040.3	54.0			
FH (60°-80°)	1876.2	10.1			G2/5000
FVH (80°-90°)	14.6	0.1			G1/100
BL (0°-30°)	1220.4	6.6	B3/2500		
BM (30°-60°)	2161.7	11.6	B2/2500		
BH (60°-80°)	386.1	2.1	B1/500		G1/500
BVH (80°-90°)	5.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0
2.5°	9975.5	10004.8	10165.7	10366.8	10472.8	10714.2	10546.0	10589.8	10498.4	10176.6	9924.3
5°	9672.0	9668.4	9873.1	10370.4	10842.2	11321.2	11335.8	11079.8	10630.1	10136.4	9430.7
7.5°	8757.8	8900.4	9112.5	9906.0	10780.0	11138.4	11310.2	11010.4	10319.2	9613.5	8849.2
10°	8066.7	8139.8	8498.2	9456.3	10096.2	10575.2	10681.3	10509.4	9979.2	9097.9	8242.2
12.5°	7668.1	7704.7	8125.2	8929.7	9606.2	9960.9	10012.1	10092.5	9712.2	8885.8	7858.3
15°	7671.8	7701.0	8267.8	8940.7	9207.6	9112.5	9280.7	9277.1	9441.6	8845.6	8180.1
17.5°	8223.9	8256.9	8768.8	9101.6	8984.5	8761.5	8750.5	8918.7	9266.1	9346.6	8666.4
20°	9174.7	9251.5	9628.1	9609.8	8951.6	8501.9	8377.5	8505.5	9313.7	9770.7	9646.4
22.5°	10454.5	10560.6	10823.9	10319.2	9101.6	8326.3	8286.1	8534.8	9628.1	10717.8	10758.1
25°	11939.2	12118.3	12246.3	11599.1	9635.4	8629.8	8439.7	8867.5	10052.3	11745.4	12173.2
27.5°	12922.8	13109.3	13080.1	12154.9	9993.8	8710.3	8549.4	8948.0	10421.6	11990.4	12911.9
30°	13690.7	13804.1	14008.9	12454.8	10352.2	8937.0	8662.8	9288.1	10542.3	12414.5	13804.1
32.5°	14586.6	14663.4	14678.0	12985.0	10904.3	9222.2	9013.8	9712.2	11076.2	12820.4	14593.9
35°	15489.8	15603.2	15365.5	13639.5	11244.4	9752.5	9598.9	10447.2	11504.0	13241.0	15464.2
37.5°	16469.8	16528.3	15979.8	13910.1	11730.7	10615.4	10531.3	11240.7	12246.3	14001.6	16429.6
40°	17292.6	17347.5	16634.4	14242.9	12242.7	11822.2	12037.9	12754.6	13255.6	14495.2	16912.3
42.5°	17749.7	17877.7	16853.8	14060.1	13270.2	13189.8	14147.8	14400.1	14425.7	14634.2	17343.8
45°	17874.0	17815.5	16491.8	14210.0	14169.8	15438.6	16308.9	16641.7	15588.6	14890.1	17453.5
47.5°	17299.9	17376.7	15957.9	14078.3	15350.9	17142.7	18268.9	18886.9	16455.2	14667.1	17182.9
50°	16835.5	16736.8	15786.0	13983.3	15669.0	17947.2	19684.1	19823.0	17252.4	14941.3	16886.7
52.5°	16926.9	16989.1	16060.3	14235.6	15676.3	17994.7	19903.5	19808.4	17278.0	14879.2	16780.7
55°	17120.7	16846.5	15943.3	13679.8	14626.9	16667.3	17665.6	17519.3	15946.9	14217.3	16521.0
57.5°	14773.1	15197.3	14659.8	12213.4	12005.0	12557.2	12538.9	12988.6	11895.3	12235.4	15040.1
60°	11990.4	12063.5	12264.6	10447.2	8308.1	8117.9	7854.6	7569.4	8004.5	10461.9	13679.8
62.5°	10546.0	10458.2	11174.9	9503.8	5865.4	4911.0	4867.1	5042.6	6176.2	9979.2	12831.4
65°	7664.5	7774.2	8293.4	7375.6	4402.7	3748.1	3682.3	4201.6	4998.7	7997.2	9792.7
67.5°	4680.6	4892.7	4940.2	4549.0	2987.5	2373.2	2278.1	2749.8	3609.2	5174.3	5741.0
70°	2161.1	2417.1	2658.4	2482.9	1729.6	976.3	921.5	1155.5	1821.0	2976.6	3046.0
72.5°	654.6	658.2	921.5	961.7	559.5	219.4	193.8	256.0	618.0	983.7	1034.9
75°	47.5	51.2	124.3	142.6	106.0	54.9	58.5	69.5	131.6	219.4	164.6
77.5°	3.7	3.7	3.7	18.3	32.9	36.6	47.5	54.9	69.5	80.4	73.1
80°	3.7	0.0	3.7	14.6	25.6	36.6	43.9	51.2	54.9	62.2	54.9
82.5°	0.0	0.0	0.0	11.0	25.6	36.6	40.2	54.9	62.2	73.1	62.2
85°	0.0	0.0	0.0	11.0	25.6	40.2	36.6	18.3	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°	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0
2.5°	9968.2	9825.6	9500.1	9335.6	8948.0	8893.1	8512.8	8450.7	8322.7	8253.2	8085.0
5°	9119.8	8948.0	8417.8	7971.6	7452.4	7090.4	6812.5	6560.1	6413.9	6278.6	6340.7
7.5°	8428.7	7927.8	7339.0	6593.1	5993.4	5605.7	5181.6	4834.2	4629.4	4490.4	4523.4
10°	7704.7	7379.2	6560.1	5722.8	4998.7	4724.5	4391.7	4124.8	3835.9	3587.2	3470.2
12.5°	7478.0	6995.3	5967.8	5115.7	4567.2	4300.3	3920.0	3612.8	3243.5	2940.0	2834.0
15°	7518.2	7053.8	5806.9	4896.3	4249.1	3788.4	3334.9	2954.6	2548.7	2336.6	2226.9
17.5°	8172.8	7368.3	5912.9	4666.0	3806.6	3166.7	2607.2	2124.6	1821.0	1601.6	1554.1
20°	8977.2	8048.4	6139.6	4497.8	3444.6	2519.5	1905.1	1488.3	1236.0	1199.4	1188.4
22.5°	10154.7	9160.1	6626.0	4384.4	3002.2	1963.7	1305.4	1082.4	1012.9	1005.6	1009.3
25°	11800.2	10553.3	7156.2	4289.3	2669.4	1513.9	1067.8	917.8	895.9	884.9	903.2
27.5°	12513.3	11394.3	7437.8	4084.5	2365.9	1364.0	1053.1	910.5	848.4	830.1	841.0
30°	13394.5	11953.8	7880.2	3733.5	1919.8	1122.6	983.7	991.0	961.7	870.3	841.0
32.5°	14564.7	12652.2	8103.3	3484.8	1715.0	928.8	720.4	661.9	738.7	753.3	778.9
35°	15314.3	13361.6	8216.6	3338.6	1609.0	793.5	610.7	555.8	537.5	541.2	555.8
37.5°	16707.5	14319.7	8359.2	3185.0	1528.5	691.1	552.2	501.0	475.4	475.4	490.0
40°	17541.3	15080.3	8553.1	3100.9	1448.1	629.0	501.0	457.1	435.1	435.1	442.5
42.5°	17749.7	15456.9	8487.2	3071.6	1356.6	614.3	457.1	424.2	398.6	394.9	391.3
45°	18122.7	16031.0	8498.2	3038.7	1261.6	559.5	431.5	394.9	358.4	354.7	351.0
47.5°	18532.2	16444.2	8520.1	2910.7	1170.1	468.1	449.8	365.7	321.8	314.5	314.5
50°	18181.2	16773.3	8710.3	2782.8	1053.1	380.3	442.5	343.7	285.2	274.3	277.9
52.5°	18225.1	17161.0	9112.5	2603.6	906.9	303.5	358.4	325.4	259.6	241.3	245.0
55°	17523.0	16751.4	9167.4	2413.4	709.4	234.0	274.3	285.2	219.4	212.1	212.1
57.5°	15083.9	14184.4	8088.7	1956.3	468.1	193.8	197.5	248.7	190.1	182.8	186.5
60°	12908.2	11387.0	6509.0	1290.8	292.5	153.6	142.6	252.3	168.2	164.6	175.5
62.5°	11767.3	9357.5	4936.6	800.8	201.1	117.0	98.7	204.8	146.3	146.3	160.9
65°	8501.9	6285.9	2870.5	420.5	142.6	91.4	73.1	117.0	120.7	124.3	131.6
67.5°	5265.7	3174.0	1210.4	204.8	95.1	62.2	47.5	73.1	80.4	80.4	87.8
70°	2599.9	1265.2	402.2	117.0	73.1	51.2	32.9	40.2	40.2	36.6	40.2
72.5°	804.5	380.3	102.4	73.1	51.2	32.9	18.3	14.6	7.3	0.0	3.7
75°	91.4	73.1	65.8	51.2	32.9	14.6	3.7	0.0	0.0	0.0	0.0
77.5°	54.9	62.2	62.2	51.2	32.9	11.0	0.0	0.0	0.0	0.0	0.0
80°	43.9	47.5	51.2	47.5	29.3	14.6	0.0	0.0	0.0	0.0	0.0
82.5°	54.9	62.2	69.5	62.2	40.2	18.3	7.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	11.0	3.7	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°	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0
2.5°	8015.5	7935.1	8048.4	7880.2	7876.6	7880.2	7832.7	7788.8	7858.3	8044.8	8063.1
5°	6117.7	6289.5	6344.4	6523.6	6424.8	6278.6	6307.8	6209.1	6450.4	6556.5	6472.4
7.5°	4453.9	4442.9	4812.2	4834.2	4881.7	4885.4	4878.1	4684.3	4486.8	4530.7	4662.3
10°	3455.6	3269.1	3448.3	3430.0	3547.0	3514.1	3561.6	3353.2	3422.7	3422.7	3506.8
12.5°	2815.7	2618.2	2585.3	2537.8	2585.3	2603.6	2621.9	2581.6	2698.7	2753.5	2812.0
15°	2150.1	2040.4	2011.2	1919.8	1934.4	1985.6	2029.5	2047.8	2011.2	2095.3	2102.6
17.5°	1561.4	1557.8	1576.0	1572.4	1557.8	1546.8	1543.1	1495.6	1481.0	1488.3	1517.5
20°	1184.8	1214.0	1276.2	1338.4	1371.3	1331.0	1276.2	1195.7	1162.8	1170.1	1173.8
22.5°	1012.9	1056.8	1140.9	1210.4	1243.3	1170.1	1071.4	1001.9	987.3	983.7	980.0
25°	917.8	969.0	1031.2	1053.1	1049.5	1005.6	932.5	903.2	895.9	888.6	855.7
27.5°	866.6	884.9	895.9	921.5	932.5	903.2	884.9	841.0	833.7	833.7	811.8
30°	837.4	826.4	841.0	822.8	837.4	815.4	819.1	819.1	800.8	808.1	808.1
32.5°	778.9	782.5	782.5	746.0	756.9	731.3	756.9	778.9	782.5	786.2	815.4
35°	570.4	636.3	669.2	669.2	680.1	661.9	658.2	632.6	599.7	566.8	552.2
37.5°	501.0	526.6	570.4	596.0	614.3	599.7	566.8	526.6	508.3	493.7	479.0
40°	446.1	468.1	497.3	526.6	563.1	544.9	493.7	475.4	453.4	453.4	438.8
42.5°	402.2	413.2	431.5	475.4	515.6	479.0	442.5	427.8	416.9	413.2	409.6
45°	362.0	365.7	384.0	420.5	468.1	431.5	394.9	376.6	380.3	384.0	380.3
47.5°	325.4	332.8	343.7	387.6	416.9	398.6	358.4	347.4	347.4	347.4	351.0
50°	281.6	299.9	321.8	358.4	380.3	369.3	336.4	321.8	314.5	314.5	318.1
52.5°	252.3	266.9	296.2	340.1	369.3	351.0	318.1	296.2	281.6	277.9	285.2
55°	219.4	245.0	292.5	325.4	365.7	347.4	310.8	285.2	259.6	256.0	256.0
57.5°	197.5	237.7	281.6	321.8	354.7	340.1	310.8	277.9	245.0	241.3	241.3
60°	186.5	230.4	274.3	310.8	354.7	332.8	307.2	270.6	234.0	234.0	230.4
62.5°	175.5	215.7	259.6	296.2	340.1	321.8	296.2	259.6	223.1	223.1	215.7
65°	146.3	186.5	215.7	248.7	296.2	277.9	252.3	226.7	197.5	190.1	193.8
67.5°	102.4	128.0	157.2	190.1	219.4	212.1	201.1	182.8	157.2	153.6	149.9
70°	51.2	69.5	95.1	128.0	153.6	146.3	139.0	124.3	109.7	106.0	106.0
72.5°	7.3	21.9	40.2	58.5	80.4	84.1	80.4	76.8	73.1	69.5	73.1
75°	0.0	0.0	0.0	14.6	32.9	40.2	47.5	54.9	54.9	47.5	58.5
77.5°	0.0	0.0	0.0	0.0	3.7	18.3	36.6	47.5	58.5	51.2	69.5
80°	0.0	0.0	0.0	0.0	3.7	21.9	36.6	51.2	58.5	51.2	73.1
82.5°	0.0	0.0	0.0	0.0	3.7	25.6	36.6	47.5	54.9	51.2	65.8
85°	0.0	0.0	0.0	0.0	11.0	21.9	14.6	7.3	3.7	3.7	11.0
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: P532629

CATALOG NUMBER: GALN-SA8A-730-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0	9427.0
2.5°	8165.4	8425.1	8703.0	8809.0	9138.1	9386.8	9555.0	9917.0	9971.9	9975.5
5°	6560.1	6691.8	7167.2	7390.2	7880.2	8260.5	8666.4	9251.5	9642.8	9672.0
7.5°	4662.3	5028.0	5229.1	5810.5	6413.9	7009.9	7613.3	8293.4	8746.9	8757.8
10°	3751.8	3989.5	4347.8	4783.0	5291.3	5898.3	6702.8	7492.6	7953.4	8066.7
12.5°	3020.4	3437.3	3846.9	4296.6	4684.3	5141.3	6008.0	7061.1	7441.4	7668.1
15°	2325.7	2706.0	3188.7	3715.2	4154.0	4764.7	5752.0	6955.1	7595.0	7671.8
17.5°	1715.0	2055.1	2501.2	2998.5	3656.7	4523.4	5795.9	7492.6	8096.0	8223.9
20°	1232.3	1429.8	1780.8	2358.6	3196.0	4241.8	5839.8	8037.5	8955.3	9174.7
22.5°	976.3	1056.8	1287.2	1799.1	2680.4	3945.6	6150.6	9079.6	10136.4	10454.5
25°	848.4	892.2	1001.9	1418.8	2354.9	3916.3	6647.9	10330.2	11708.8	11939.2
27.5°	819.1	826.4	921.5	1301.8	2179.4	3722.5	6838.1	11218.8	12688.8	12922.8
30°	863.0	980.0	987.3	1100.7	1854.0	3338.6	6936.8	12078.1	13518.9	13690.7
32.5°	746.0	709.4	735.0	852.0	1630.9	3115.5	7123.3	12827.8	14466.0	14586.6
35°	519.3	544.9	603.4	738.7	1426.1	2881.5	7170.8	13654.2	15365.5	15489.8
37.5°	479.0	493.7	541.2	629.0	1254.3	2749.8	7105.0	14257.5	16298.0	16469.8
40°	446.1	464.4	490.0	570.4	1126.3	2603.6	7013.6	14802.4	16868.4	17292.6
42.5°	420.5	435.1	457.1	544.9	1016.6	2457.3	6885.6	15570.3	17380.4	17749.7
45°	391.3	413.2	438.8	530.2	954.4	2358.6	6790.5	15522.8	17676.6	17874.0
47.5°	362.0	398.6	427.8	493.7	936.1	2311.0	6830.7	15343.6	17435.2	17299.9
50°	332.8	380.3	431.5	409.6	892.2	2216.0	6878.3	15588.6	16861.1	16835.5
52.5°	307.2	362.0	402.2	336.4	793.5	2124.6	7339.0	15910.4	17267.0	16926.9
55°	270.6	325.4	321.8	270.6	643.6	2055.1	7701.0	15917.7	16992.7	17120.7
57.5°	245.0	288.9	252.3	226.7	475.4	1718.7	7112.3	13347.0	14546.4	14773.1
60°	226.7	281.6	190.1	179.2	310.8	1239.6	6209.1	10337.5	11562.5	11990.4
62.5°	208.4	266.9	149.9	146.3	215.7	881.3	5104.8	8651.8	9964.5	10546.0
65°	182.8	190.1	120.7	113.4	153.6	475.4	3108.2	5956.8	7448.7	7664.5
67.5°	149.9	146.3	98.7	91.4	102.4	230.4	1371.3	2983.9	4318.6	4680.6
70°	120.7	120.7	84.1	73.1	73.1	106.0	358.4	1188.4	1952.7	2161.1
72.5°	87.8	91.4	65.8	58.5	54.9	51.2	58.5	237.7	511.9	654.6
75°	76.8	80.4	65.8	51.2	40.2	32.9	25.6	21.9	29.3	47.5
77.5°	84.1	84.1	69.5	47.5	36.6	25.6	14.6	7.3	7.3	3.7
80°	106.0	109.7	91.4	62.2	43.9	29.3	18.3	7.3	3.7	3.7
82.5°	113.4	124.3	102.4	76.8	54.9	32.9	18.3	3.7	0.0	0.0
85°	29.3	47.5	80.4	69.5	54.9	32.9	18.3	3.7	0.0	0.0
87.5°	0.0	3.7	11.0	11.0	14.6	14.6	11.0	3.7	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)