

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: P528419

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
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-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT 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

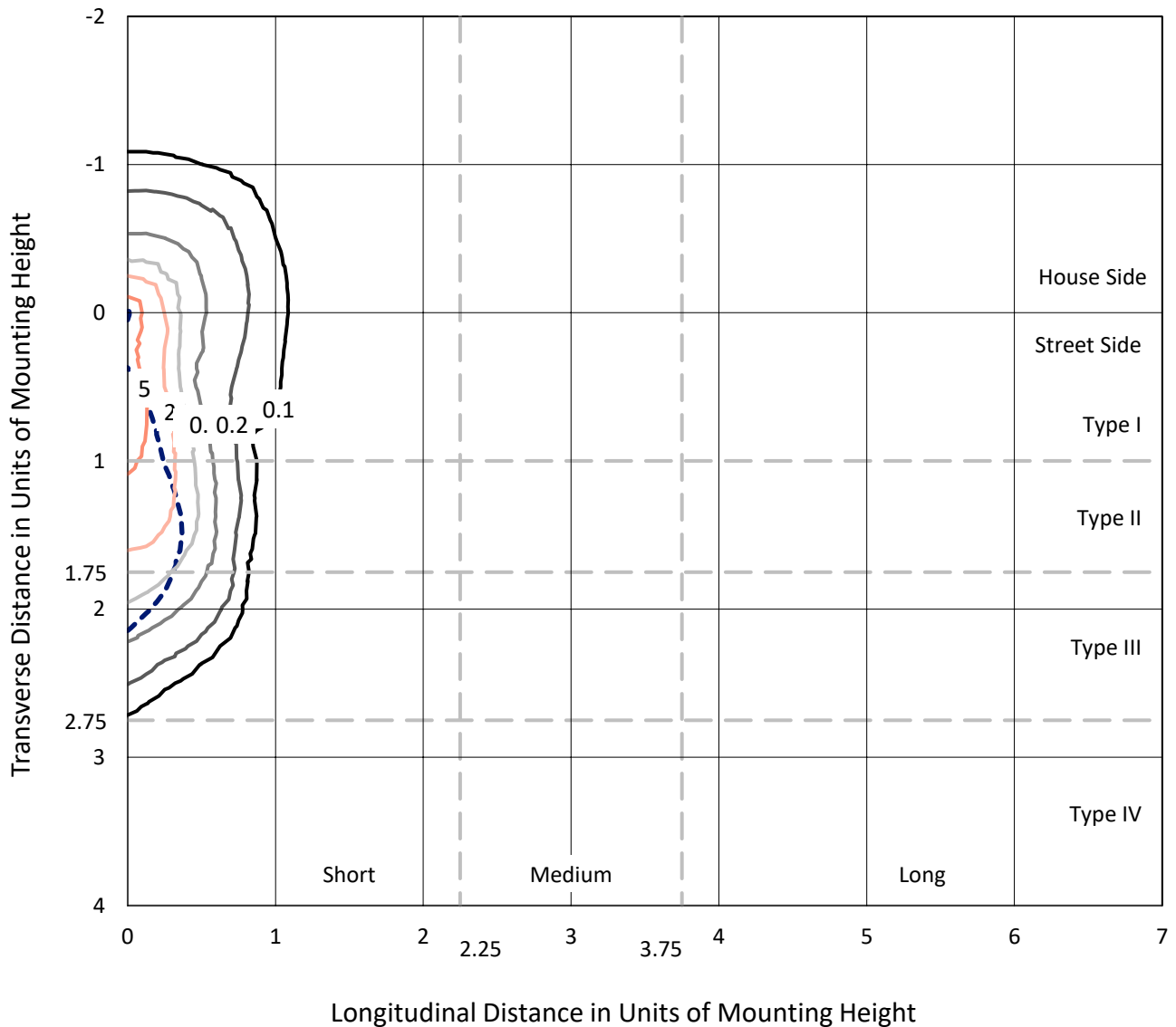
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

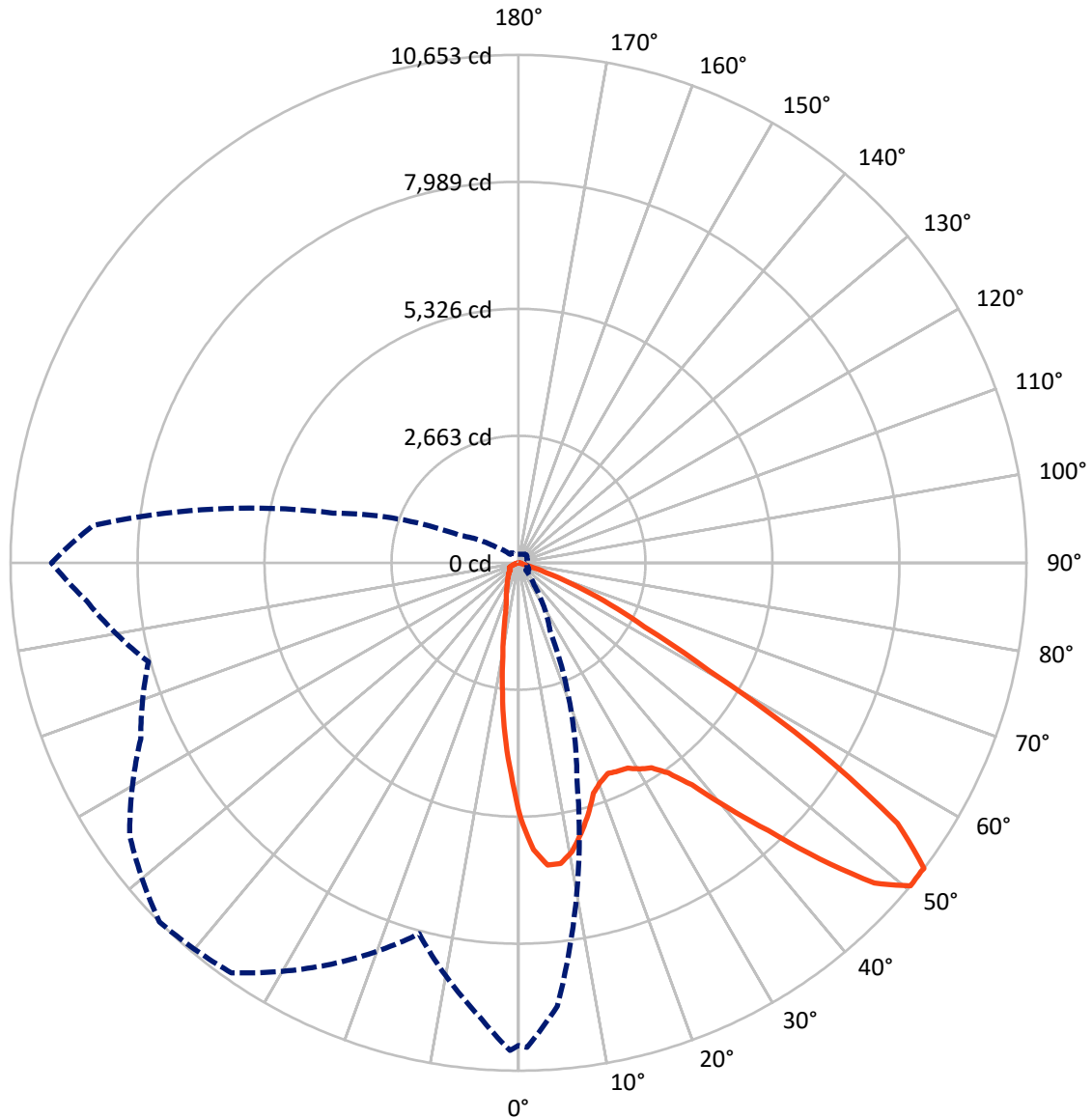
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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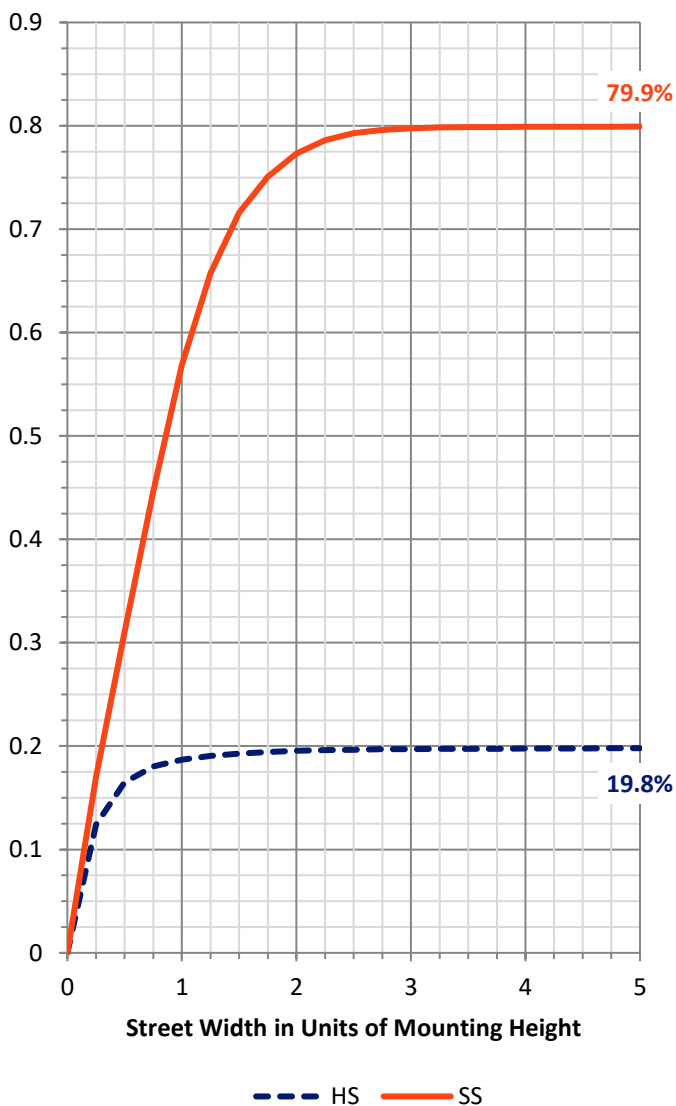
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2116.6	0.0	2116.6
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	8450.4	0.0	8450.4
	% Fixture	80.0	0.0	80.0
Total	Lumens	10567.0	0.0	10567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.6	3.7
10°-20°	776.3	7.3
20°-30°	1166.2	11.0
30°-40°	1750.5	16.6
40°-50°	2460.2	23.3
50°-60°	2653.8	25.1
60°-70°	1232.1	11.7
70°-80°	115.9	1.1
80°-90°	21.4	0.2
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

Coefficient of Utilization



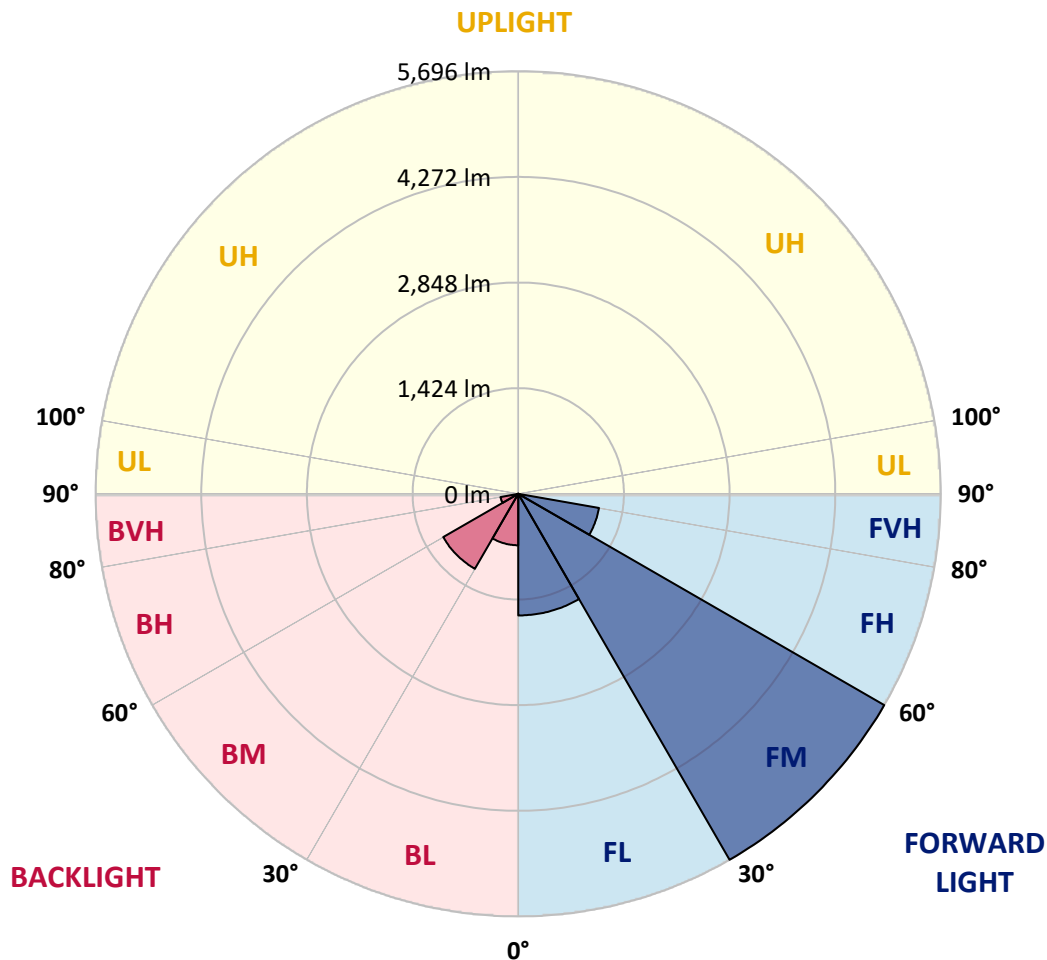
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1639.4	15.5			
FM (30°-60°)	5696.4	53.9			
FH (60°-80°)	1105.0	10.5			G1/1800
FVH (80°-90°)	9.6	0.1			G0/10
BL (0°-30°)	693.8	6.6	B2/1000		
BM (30°-60°)	1168.0	11.1	B2/2500		
BH (60°-80°)	243.0	2.3	B1/500		G1/500
BVH (80°-90°)	11.7	0.1			G1/100
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°	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8
2.5°	5570.6	5484.6	5375.6	5285.4	5151.2	4880.8	4807.4	4719.4	4646.0	4547.4	4409.1
5°	5065.3	5038.0	4987.7	4648.1	4402.8	4075.7	3807.3	3694.1	3545.3	3423.7	3335.6
7.5°	4679.5	4570.5	4411.2	4069.4	3677.4	3327.2	3029.5	2855.5	2658.4	2591.3	2471.8
10°	4266.5	4291.7	4056.8	3576.7	3102.9	2819.9	2635.4	2467.6	2289.4	2172.0	2002.2
12.5°	4134.4	4052.6	3872.3	3279.0	2874.4	2610.2	2385.9	2178.3	1989.6	1800.9	1637.4
15°	4220.4	4094.6	3843.0	3216.1	2698.3	2369.1	2088.2	1807.2	1633.2	1392.1	1222.3
17.5°	4528.6	4427.9	4090.4	3283.2	2608.1	2138.5	1721.3	1431.9	1165.7	947.6	861.7
20°	5042.2	4899.7	4476.2	3369.2	2473.9	1859.6	1396.3	1039.9	788.3	696.1	647.8
22.5°	5545.4	5467.8	4933.2	3534.8	2354.4	1612.3	1048.3	700.3	589.1	572.4	540.9
25°	6503.5	6270.8	5631.4	3834.6	2262.2	1379.5	790.4	564.0	499.0	486.4	490.6
27.5°	7073.8	6878.8	6277.1	4033.8	2159.5	1201.3	668.8	517.8	473.8	446.6	436.1
30°	7621.0	7394.6	6597.9	4151.2	1939.3	1012.6	593.3	496.9	486.4	446.6	434.0
32.5°	8042.4	7820.2	7061.2	4327.3	1849.2	891.0	488.5	387.9	360.6	356.4	394.2
35°	8688.1	8451.2	7457.5	4423.7	1780.0	828.1	423.5	345.9	314.5	301.9	304.0
37.5°	9289.8	9128.4	7824.4	4461.5	1706.6	809.3	379.5	310.3	283.0	274.6	272.6
40°	9793.0	9432.4	8172.4	4501.3	1675.1	773.6	352.2	283.0	264.2	251.6	251.6
42.5°	10023.6	9656.7	8562.3	4478.2	1666.8	717.0	352.2	260.0	245.3	232.7	230.6
45°	9973.3	9824.5	8736.4	4467.8	1666.8	660.4	320.8	253.7	232.7	215.9	211.8
47.5°	10103.3	9908.3	8954.4	4511.8	1633.2	620.6	270.5	266.3	220.1	199.2	195.0
50°	10126.4	10164.1	9333.9	4740.3	1559.8	570.3	211.8	262.1	211.8	180.3	176.1
52°	10277.3	10042.5	9449.2	4861.9	1482.3	532.5	178.2	224.3	203.4	167.7	163.5
52.5°	10069.8	10222.8	9476.4	4905.9	1490.7	507.4	171.9	220.1	199.2	167.7	157.2
55°	9837.0	9983.8	9365.3	5000.3	1367.0	398.3	134.2	159.3	180.3	146.8	140.5
57.5°	8549.8	8698.6	8138.8	4578.9	1113.3	280.9	111.1	119.5	159.3	136.3	130.0
60°	7600.0	7493.1	6830.6	3819.9	790.4	157.2	88.1	92.2	174.0	125.8	123.7
62.5°	6945.9	6717.4	5708.9	2949.9	482.2	104.8	69.2	71.3	134.2	117.4	117.4
65°	5138.7	4882.9	3792.7	1784.2	236.9	73.4	52.4	56.6	83.9	100.6	100.6
67.5°	2933.1	2834.5	1832.4	805.1	98.5	46.1	39.8	44.0	65.0	81.8	77.6
70°	1348.1	1209.7	704.4	169.8	46.1	31.4	31.4	35.6	52.4	60.8	56.6
72.5°	394.2	373.2	171.9	27.3	18.9	18.9	21.0	27.3	39.8	46.1	41.9
75°	29.4	18.9	12.6	8.4	8.4	12.6	16.8	27.3	39.8	44.0	35.6
77.5°	2.1	4.2	2.1	2.1	6.3	12.6	18.9	33.5	52.4	54.5	39.8
80°	2.1	2.1	0.0	2.1	6.3	12.6	21.0	37.7	58.7	62.9	33.5
82.5°	0.0	0.0	0.0	2.1	8.4	16.8	25.2	39.8	54.5	67.1	35.6
85°	0.0	0.0	0.0	2.1	12.6	23.1	29.4	10.5	6.3	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°	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8
2.5°	4507.6	4453.1	4432.1	4451.0	4444.7	4438.4	4553.7	4528.6	4524.4	4562.1	4553.7
5°	3383.8	3287.4	3551.6	3444.6	3555.8	3622.9	3635.4	3641.7	3719.3	3637.5	3744.5
7.5°	2411.0	2436.2	2434.1	2505.4	2633.3	2746.5	2813.6	2761.2	2757.0	2746.5	2700.4
10°	1926.7	1882.7	1874.3	1857.5	1897.4	1993.8	2075.6	2010.6	1964.5	2027.4	2008.5
12.5°	1574.5	1513.7	1480.2	1413.1	1415.2	1480.2	1480.2	1480.2	1526.3	1561.9	1589.2
15°	1207.6	1157.3	1157.3	1090.2	1075.5	1077.6	1111.2	1115.4	1188.7	1209.7	1220.2
17.5°	844.9	817.7	849.1	876.4	859.6	863.8	876.4	880.6	891.0	882.7	903.6
20°	649.9	645.7	654.1	702.3	738.0	759.0	744.3	723.3	710.7	681.4	681.4
22.5°	551.4	559.8	574.5	614.3	660.4	673.0	656.2	608.0	570.3	566.1	568.2
25°	490.6	499.0	522.0	547.2	572.4	593.3	576.6	540.9	519.9	501.1	501.1
27.5°	452.9	457.0	469.6	488.5	509.5	526.2	519.9	501.1	478.0	469.6	450.8
30°	423.5	429.8	444.5	448.7	467.5	475.9	465.4	461.2	446.6	436.1	429.8
32.5°	408.8	406.7	417.2	421.4	423.5	429.8	417.2	423.5	421.4	404.6	398.3
35°	308.2	325.0	352.2	375.3	381.6	390.0	387.9	379.5	356.4	337.5	314.5
37.5°	276.7	287.2	301.9	320.8	345.9	356.4	352.2	331.3	304.0	291.4	287.2
40°	255.8	262.1	274.6	287.2	312.4	331.3	316.6	297.7	276.7	266.3	260.0
42.5°	236.9	239.0	245.3	257.9	276.7	306.1	280.9	255.8	247.4	241.1	236.9
45°	215.9	215.9	224.3	230.6	251.6	278.8	253.7	230.6	226.4	222.2	220.1
47.5°	199.2	201.3	205.5	213.8	230.6	249.5	232.7	213.8	203.4	201.3	197.1
50°	178.2	180.3	188.7	197.1	218.0	228.5	218.0	197.1	186.6	180.3	180.3
52°	161.4	167.7	176.1	192.9	207.6	224.3	211.8	188.7	176.1	169.8	165.6
52.5°	159.3	163.5	171.9	190.8	207.6	222.2	209.7	186.6	171.9	167.7	163.5
55°	142.6	148.9	163.5	186.6	205.5	222.2	205.5	184.5	163.5	153.0	148.9
57.5°	136.3	140.5	159.3	188.7	203.4	222.2	205.5	184.5	163.5	144.7	140.5
60°	130.0	138.4	159.3	182.4	201.3	224.3	207.6	182.4	159.3	136.3	136.3
62.5°	123.7	130.0	157.2	178.2	192.9	215.9	199.2	178.2	153.0	130.0	127.9
65°	106.9	117.4	138.4	148.9	165.6	186.6	169.8	155.1	134.2	115.3	113.2
67.5°	81.8	86.0	102.7	115.3	125.8	144.7	136.3	117.4	102.7	88.1	88.1
70°	56.6	60.8	73.4	79.7	90.2	100.6	94.3	79.7	69.2	60.8	58.7
72.5°	39.8	41.9	46.1	50.3	54.5	58.7	56.6	46.1	39.8	37.7	35.6
75°	31.4	35.6	37.7	35.6	33.5	31.4	31.4	27.3	23.1	21.0	21.0
77.5°	31.4	33.5	31.4	27.3	23.1	21.0	18.9	16.8	12.6	10.5	12.6
80°	27.3	27.3	27.3	23.1	21.0	18.9	16.8	14.7	12.6	10.5	10.5
82.5°	29.4	29.4	27.3	23.1	23.1	18.9	18.9	16.8	14.7	10.5	10.5
85°	0.0	0.0	0.0	4.2	10.5	18.9	18.9	16.8	14.7	12.6	12.6
87.5°	0.0	0.0	0.0	0.0	2.1	4.2	8.4	10.5	12.6	12.6	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8
2.5°	4629.2	4708.9	4859.8	5010.8	5103.0	5212.0	5409.1	5513.9	5650.2	5717.3	5849.4
5°	3729.8	3918.5	3985.6	4157.5	4342.0	4526.5	4820.0	5142.9	5411.2	5595.7	5834.7
7.5°	2721.3	2765.4	3025.3	3140.6	3442.5	3778.0	4178.4	4585.2	4924.8	5226.7	5409.1
10°	2040.0	2201.4	2364.9	2585.1	2828.3	3174.2	3557.9	4006.5	4446.8	4748.7	4979.3
12.5°	1639.5	1767.4	1985.4	2222.4	2522.2	2750.7	3136.5	3580.9	4151.2	4446.8	4750.8
15°	1241.2	1404.7	1652.1	1897.4	2214.0	2455.1	2845.0	3404.8	4138.6	4545.3	4807.4
17.5°	920.4	1031.5	1253.7	1528.4	1851.3	2190.9	2717.1	3385.9	4279.1	4763.4	5033.8
20°	704.4	742.2	882.7	1127.9	1478.1	1922.5	2509.6	3467.7	4694.2	5293.8	5568.5
22.5°	570.3	587.0	641.5	811.4	1151.0	1687.7	2411.0	3524.3	5161.7	5929.1	6296.0
25°	496.9	492.7	528.3	601.7	899.4	1467.6	2285.2	3738.2	5734.1	6675.4	7004.6
27.5°	452.9	452.9	469.6	522.0	746.4	1325.0	2205.6	3891.2	6310.6	7331.7	7509.9
30°	429.8	434.0	482.2	499.0	620.6	1155.2	2073.5	4046.4	6862.0	7751.0	7996.3
32.5°	398.3	381.6	371.1	413.0	522.0	1002.2	1941.4	4111.3	7308.6	8264.6	8474.3
35°	306.1	297.7	310.3	341.7	448.7	872.2	1794.7	4184.7	7822.3	8860.1	8902.0
37.5°	276.7	274.6	283.0	310.3	377.4	759.0	1689.8	4165.9	8214.3	9352.7	9239.5
40°	255.8	255.8	262.1	285.1	337.5	679.3	1580.8	4149.1	8593.8	9906.2	9575.0
42.5°	239.0	239.0	249.5	264.2	320.8	626.9	1499.0	4126.0	8912.5	10245.9	9772.1
45°	215.9	222.2	239.0	253.7	325.0	591.2	1438.2	4038.0	9021.5	10241.7	9677.7
47.5°	199.2	207.6	224.3	245.3	293.5	580.7	1396.3	3960.4	8983.7	9990.1	9382.1
50°	180.3	190.8	213.8	249.5	249.5	559.8	1352.3	4029.6	8956.5	9795.1	9099.1
52°	167.7	176.1	205.5	243.2	218.0	515.8	1325.0	4163.8	9067.6	9770.0	8973.3
52.5°	165.6	171.9	199.2	239.0	207.6	507.4	1306.2	4195.2	9103.3	9707.1	9059.2
55°	146.8	155.1	182.4	186.6	169.8	417.2	1245.4	4266.5	8927.1	9583.4	8977.5
57.5°	138.4	142.6	161.4	153.0	146.8	314.5	1071.3	4155.4	7929.2	8512.0	8352.7
60°	127.9	132.1	151.0	119.5	123.7	220.1	805.1	3608.2	6367.2	7092.7	7379.9
62.5°	123.7	121.6	142.6	96.4	104.8	159.3	568.2	2933.1	4905.9	5838.9	6335.8
65°	109.0	106.9	102.7	81.8	90.2	123.7	339.6	1914.2	3457.2	4417.4	4690.0
67.5°	83.9	88.1	75.5	65.0	75.5	96.4	188.7	857.5	1813.5	2650.0	2870.2
70°	58.7	62.9	60.8	56.6	67.1	79.7	109.0	293.5	750.6	1392.1	1534.7
72.5°	35.6	44.0	46.1	48.2	58.7	69.2	77.6	94.3	199.2	492.7	612.2
75°	21.0	29.4	35.6	41.9	48.2	58.7	65.0	67.1	69.2	92.2	148.9
77.5°	14.7	21.0	31.4	39.8	48.2	58.7	69.2	73.4	69.2	65.0	69.2
80°	12.6	21.0	29.4	37.7	50.3	60.8	69.2	69.2	67.1	58.7	62.9
82.5°	12.6	21.0	31.4	39.8	48.2	58.7	67.1	69.2	62.9	58.7	60.8
85°	14.7	23.1	33.5	41.9	52.4	48.2	44.0	35.6	33.5	27.3	29.4
87.5°	14.7	21.0	21.0	23.1	25.2	25.2	25.2	23.1	18.9	16.8	16.8
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: P528419

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8	5358.8
2.5°	5855.7	6023.4	6017.1	6021.3	5996.2	5826.3	5744.6	5537.0	5595.7	5570.6
5°	6080.0	6245.6	6388.2	6371.4	6178.6	5947.9	5606.2	5283.3	5195.3	5065.3
7.5°	5855.7	6254.0	6386.1	6367.2	6082.1	5786.5	5241.4	4918.5	4765.5	4679.5
10°	5499.3	5960.5	6124.0	6157.6	5964.7	5516.0	5015.0	4497.1	4415.4	4266.5
12.5°	5295.9	5631.4	5732.0	5822.1	5755.1	5419.6	4843.0	4346.2	4232.9	4134.4
15°	5130.3	5329.4	5371.4	5474.1	5513.9	5333.6	4933.2	4509.7	4230.9	4220.4
17.5°	5283.3	5201.6	5048.5	5080.0	5205.8	5335.7	5165.9	4832.6	4562.1	4528.6
20°	5537.0	5176.4	4830.5	4908.0	5012.9	5411.2	5518.1	5283.3	5128.2	5042.2
22.5°	5828.4	5220.4	4761.3	4799.0	4998.2	5581.0	6088.4	5958.4	5669.1	5545.4
25°	6367.2	5342.0	4815.8	4841.0	5113.5	5817.9	6604.2	6700.6	6528.7	6503.5
27.5°	6893.5	5656.5	4935.3	4878.7	5172.2	6048.6	6916.5	7434.4	7132.5	7073.8
30°	7161.8	5912.3	5113.5	5017.1	5415.4	6189.0	7105.2	7912.4	7648.2	7621.0
32.5°	7572.8	6145.0	5251.9	5128.2	5551.7	6363.1	7457.5	8434.5	8178.7	8042.4
35°	7744.7	6398.7	5555.9	5411.2	5941.6	6606.3	7637.8	8899.9	8820.2	8688.1
37.5°	8075.9	6671.2	5914.4	5906.0	6413.4	6922.8	7962.7	9533.0	9518.4	9289.8
40°	8103.2	6969.0	6480.5	6744.6	7143.0	7474.2	8247.9	9709.2	9948.2	9793.0
42.5°	8145.1	7491.0	7459.6	7677.6	8019.3	7948.0	8258.3	9751.1	10115.9	10023.6
45°	8164.0	8013.0	8455.4	8858.0	9000.5	8568.6	8159.8	9671.4	10203.9	9973.3
47.5°	8013.0	8461.7	9260.5	10038.3	10080.2	8950.2	8117.9	9589.7	10256.4	10103.3
50°	8034.0	8742.6	9956.6	10652.6	10499.6	9287.7	8052.9	9539.3	10229.1	10126.4
52°	7983.7	8748.9	10055.1	10640.0	10533.1	9101.2	7941.8	9346.5	10203.9	10277.3
52.5°	8040.3	8711.2	9952.4	10648.4	10510.0	9193.4	7927.1	9453.4	10218.6	10069.8
55°	7845.3	8262.5	9350.6	9646.3	9625.3	8344.3	7476.3	9099.1	9835.0	9837.0
57.5°	7090.6	7161.8	7333.8	7327.5	7231.0	6560.1	6394.5	8367.4	8767.8	8549.8
60°	6247.7	5243.5	4780.2	4591.5	4484.5	4375.5	5656.5	7654.5	7692.3	7600.0
62.5°	5398.6	3635.4	3019.0	2966.6	2991.8	3390.1	5467.8	7371.5	7145.1	6945.9
65°	4356.6	2650.0	2193.0	2123.8	2369.1	2798.9	4425.8	5652.3	5304.3	5138.7
67.5°	2736.0	1933.0	1482.3	1352.3	1647.9	1926.7	2907.9	3551.6	3161.6	2933.1
70°	1622.7	1079.7	670.9	601.7	677.2	1027.3	1629.0	1771.6	1465.5	1348.1
72.5°	639.5	396.2	186.6	159.3	165.6	360.6	599.6	584.9	442.4	394.2
75°	171.9	119.5	65.0	52.4	44.0	67.1	96.4	62.9	23.1	29.4
77.5°	79.7	71.3	56.6	44.0	33.5	25.2	12.6	4.2	4.2	2.1
80°	69.2	60.8	52.4	44.0	33.5	21.0	10.5	2.1	2.1	2.1
82.5°	65.0	56.6	48.2	39.8	31.4	21.0	10.5	2.1	0.0	0.0
85°	27.3	35.6	39.8	37.7	33.5	21.0	10.5	2.1	0.0	0.0
87.5°	14.7	12.6	10.5	8.4	6.3	4.2	4.2	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

(END OF REPORT)