

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: P528471

Luminaire Tested: **GALN-SA3C-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528471
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-740-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 11603 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

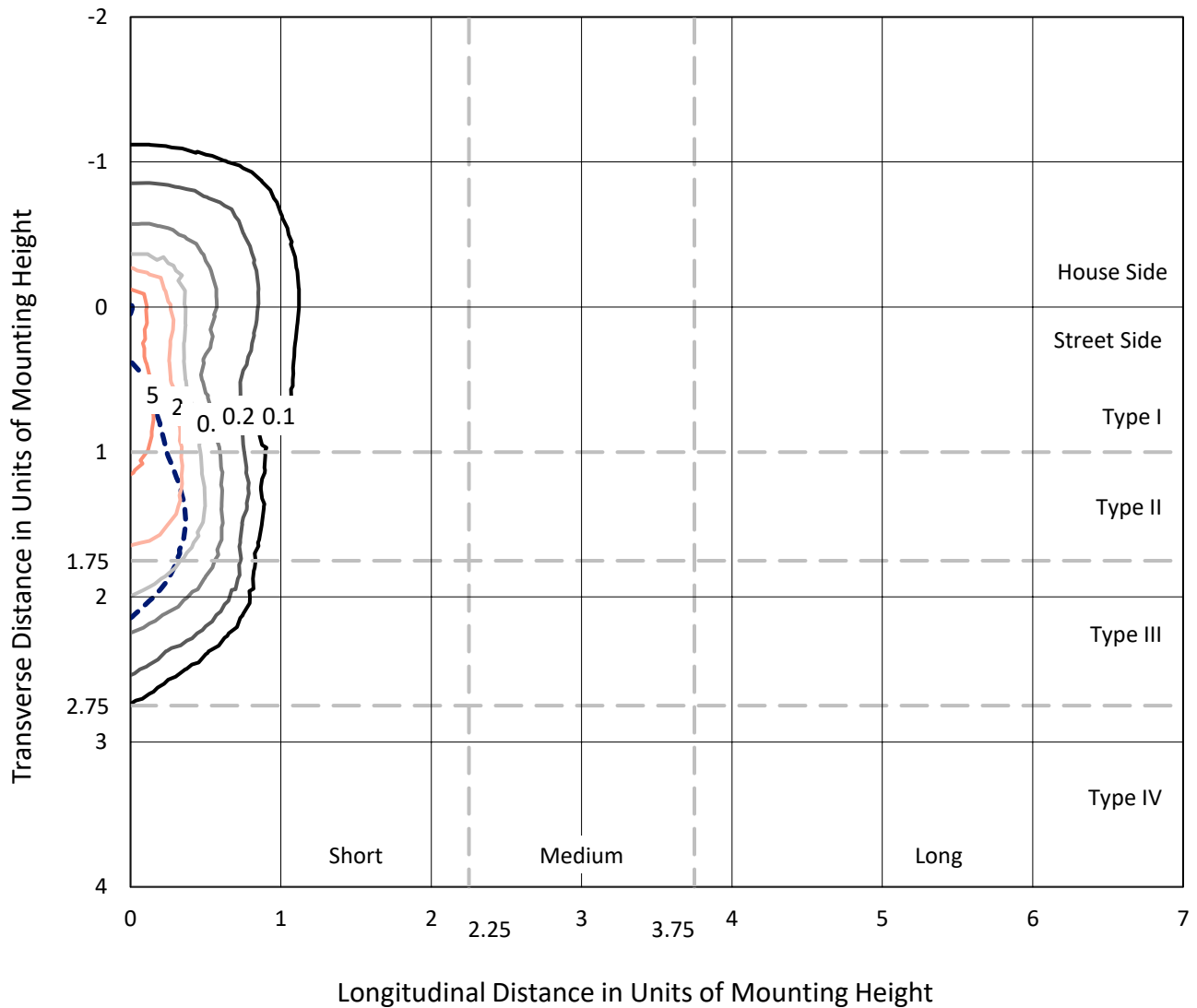
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

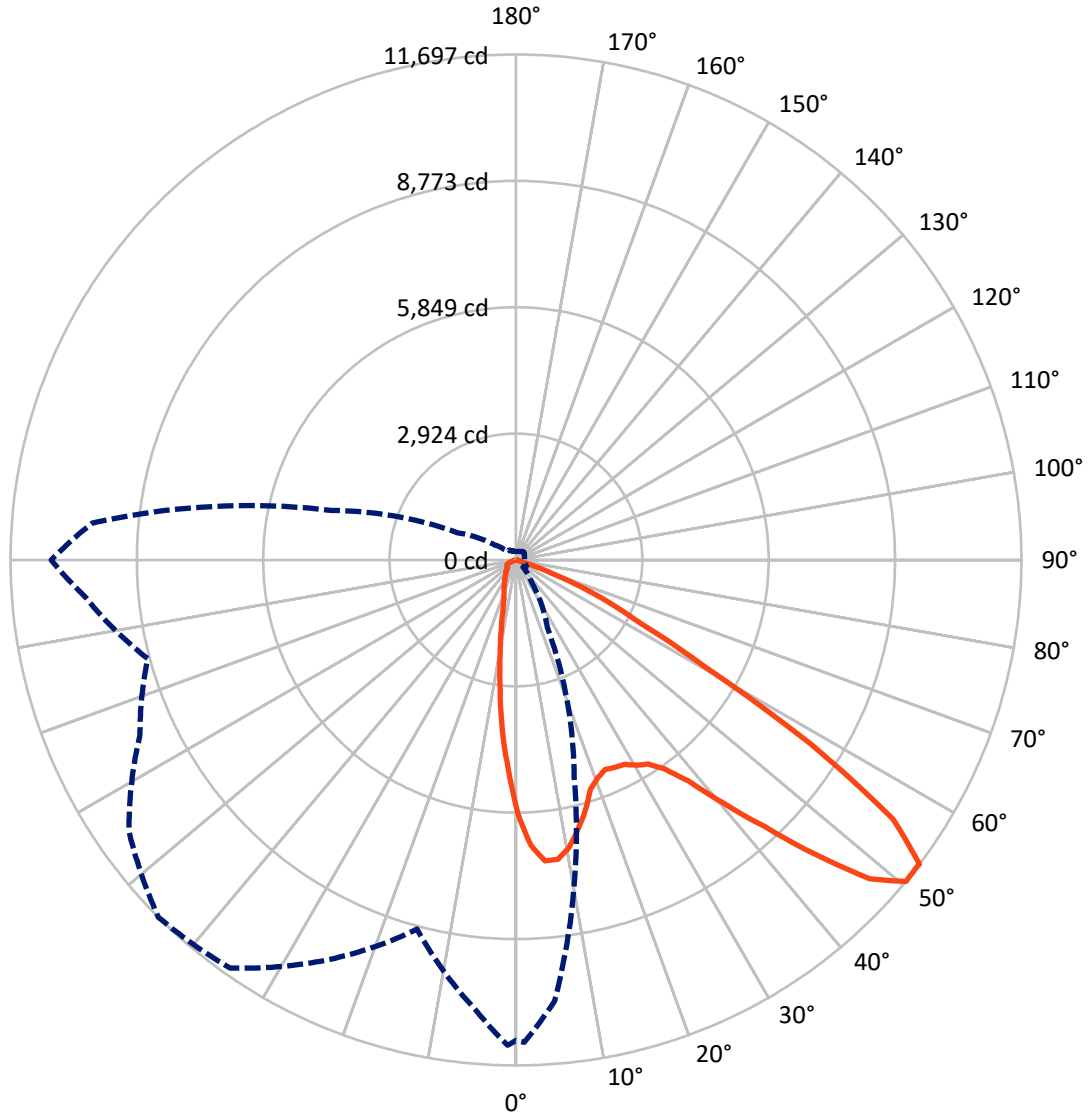
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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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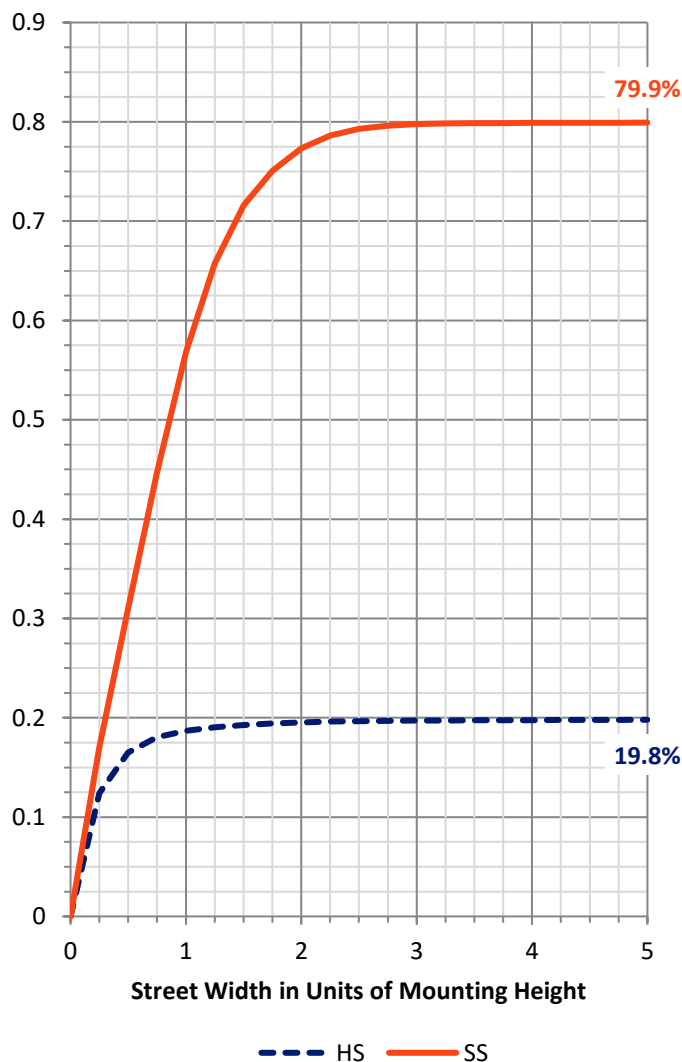
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2324.1	0.0	2324.1
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	9278.9	0.0	9278.9
	% Fixture	80.0	0.0	80.0
Total	Lumens	11603.0	0.0	11603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.9	3.7
10°-20°	852.4	7.3
20°-30°	1280.6	11.0
30°-40°	1922.1	16.6
40°-50°	2701.4	23.3
50°-60°	2913.9	25.1
60°-70°	1352.9	11.7
70°-80°	127.3	1.1
80°-90°	23.5	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°	11603.0	100.0
0°-180°	11603.0	100.0

Coefficient of Utilization



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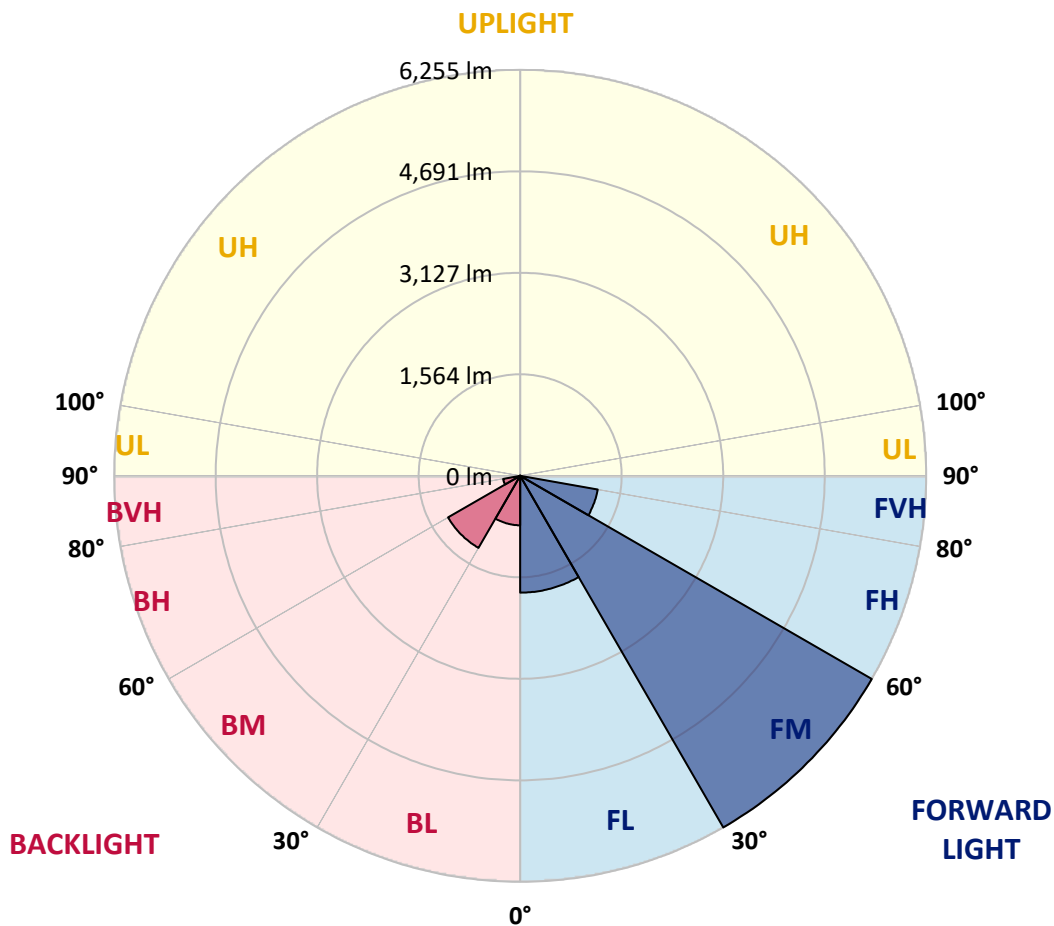
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1800.1	15.5			
FM (30°-60°)	6254.9	53.9			
FH (60°-80°)	1213.4	10.5			G1/1800
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	761.8	6.6	B2/1000		
BM (30°-60°)	1282.5	11.1	B2/2500		
BH (60°-80°)	266.9	2.3	B1/500		G1/500
BVH (80°-90°)	12.9	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°	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2
2.5°	6116.7	6022.3	5902.6	5803.6	5656.3	5359.3	5278.7	5182.0	5101.5	4993.3	4841.3
5°	5561.9	5532.0	5476.7	5103.8	4834.4	4475.3	4180.6	4056.3	3892.9	3759.3	3662.7
7.5°	5138.3	5018.6	4843.6	4468.4	4037.9	3653.4	3326.5	3135.5	2919.1	2845.4	2714.2
10°	4684.8	4712.4	4454.6	3927.4	3407.1	3096.3	2893.7	2709.6	2513.9	2385.0	2198.5
12.5°	4539.8	4450.0	4252.0	3600.5	3156.2	2866.1	2619.8	2391.9	2184.7	1977.5	1797.9
15°	4634.1	4496.0	4219.8	3531.4	2962.8	2601.4	2292.9	1984.4	1793.3	1528.6	1342.1
17.5°	4972.5	4862.0	4491.4	3605.1	2863.8	2348.1	1890.0	1572.3	1280.0	1040.6	946.2
20°	5536.6	5380.0	4915.0	3699.5	2716.5	2042.0	1533.2	1141.8	865.6	764.3	711.4
22.5°	6089.1	6003.9	5416.9	3881.4	2585.3	1770.3	1151.1	768.9	646.9	628.5	593.9
25°	7141.1	6885.6	6183.5	4210.6	2484.0	1514.8	867.9	619.3	547.9	534.1	538.7
27.5°	7767.3	7553.2	6892.5	4429.3	2371.2	1319.1	734.4	568.6	520.3	490.3	478.8
30°	8368.2	8119.5	7244.7	4558.2	2129.4	1111.9	651.5	545.6	534.1	490.3	476.5
32.5°	8830.9	8586.9	7753.5	4751.5	2030.5	978.4	536.4	425.9	396.0	391.4	432.8
35°	9539.9	9279.8	8188.6	4857.4	1954.5	909.3	465.0	379.8	345.3	331.5	333.8
37.5°	10200.6	10023.4	8591.5	4898.9	1873.9	888.6	416.7	340.7	310.8	301.6	299.3
40°	10753.1	10357.2	8973.6	4942.6	1839.4	849.5	386.8	310.8	290.1	276.3	276.3
42.5°	11006.4	10603.5	9401.8	4917.3	1830.2	787.3	386.8	285.5	269.3	255.5	253.2
45°	10951.1	10787.7	9592.9	4905.8	1830.2	725.2	352.2	278.6	255.5	237.1	232.5
47.5°	11093.9	10879.8	9832.3	4954.1	1793.3	681.4	297.0	292.4	241.7	218.7	214.1
50°	11119.2	11160.6	10249.0	5205.1	1712.8	626.2	232.5	287.8	232.5	198.0	193.4
52°	11284.9	11027.1	10375.6	5338.6	1627.6	584.7	195.7	246.3	223.3	184.2	179.6
52.5°	11057.0	11225.1	10405.5	5386.9	1636.8	557.1	188.8	241.7	218.7	184.2	172.7
55°	10801.5	10962.6	10283.5	5490.5	1501.0	437.4	147.3	175.0	198.0	161.1	154.2
57.5°	9388.0	9551.4	8936.8	5027.8	1222.4	308.5	122.0	131.2	175.0	149.6	142.7
60°	8345.1	8227.7	7500.3	4194.4	867.9	172.7	96.7	101.3	191.1	138.1	135.8
62.5°	7626.9	7375.9	6268.6	3239.1	529.5	115.1	76.0	78.3	147.3	128.9	128.9
65°	5642.5	5361.6	4164.5	1959.1	260.1	80.6	57.6	62.2	92.1	110.5	110.5
67.5°	3220.6	3112.4	2012.0	884.0	108.2	50.6	43.7	48.3	71.4	89.8	85.2
70°	1480.3	1328.3	773.5	186.5	50.6	34.5	34.5	39.1	57.6	66.8	62.2
72.5°	432.8	409.8	188.8	29.9	20.7	20.7	23.0	29.9	43.7	50.6	46.0
75°	32.2	20.7	13.8	9.2	9.2	13.8	18.4	29.9	43.7	48.3	39.1
77.5°	2.3	4.6	2.3	2.3	6.9	13.8	20.7	36.8	57.6	59.9	43.7
80°	2.3	2.3	0.0	2.3	6.9	13.8	23.0	41.4	64.5	69.1	36.8
82.5°	0.0	0.0	0.0	2.3	9.2	18.4	27.6	43.7	59.9	73.7	39.1
85°	0.0	0.0	0.0	2.3	13.8	25.3	32.2	11.5	6.9	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°	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2
2.5°	4949.5	4889.7	4866.7	4887.4	4880.5	4873.6	5000.2	4972.5	4967.9	5009.4	5000.2
5°	3715.6	3609.7	3899.8	3782.4	3904.4	3978.0	3991.9	3998.8	4083.9	3994.2	4111.6
7.5°	2647.4	2675.0	2672.7	2751.0	2891.4	3015.8	3089.4	3031.9	3027.3	3015.8	2965.1
10°	2115.6	2067.3	2058.1	2039.7	2083.4	2189.3	2279.1	2207.7	2157.1	2226.1	2205.4
12.5°	1728.9	1662.1	1625.3	1551.6	1553.9	1625.3	1625.3	1625.3	1675.9	1715.1	1745.0
15°	1326.0	1270.8	1270.8	1197.1	1181.0	1183.3	1220.1	1224.7	1305.3	1328.3	1339.8
17.5°	927.7	897.8	932.4	962.3	943.9	948.5	962.3	966.9	978.4	969.2	992.2
20°	713.7	709.0	718.3	771.2	810.3	833.4	817.2	794.2	780.4	748.2	748.2
22.5°	605.5	614.7	630.8	674.5	725.2	739.0	720.6	667.6	626.2	621.6	623.9
25°	538.7	547.9	573.2	600.8	628.5	651.5	633.1	593.9	570.9	550.2	550.2
27.5°	497.3	501.9	515.7	536.4	559.4	577.8	570.9	550.2	524.9	515.7	495.0
30°	465.0	471.9	488.0	492.7	513.4	522.6	511.1	506.5	490.3	478.8	471.9
32.5°	448.9	446.6	458.1	462.7	465.0	471.9	458.1	465.0	462.7	444.3	437.4
35°	338.4	356.8	386.8	412.1	419.0	428.2	425.9	416.7	391.4	370.6	345.3
37.5°	303.9	315.4	331.5	352.2	379.8	391.4	386.8	363.7	333.8	320.0	315.4
40°	280.9	287.8	301.6	315.4	343.0	363.7	347.6	326.9	303.9	292.4	285.5
42.5°	260.1	262.4	269.3	283.2	303.9	336.1	308.5	280.9	271.6	264.7	260.1
45°	237.1	237.1	246.3	253.2	276.3	306.2	278.6	253.2	248.6	244.0	241.7
47.5°	218.7	221.0	225.6	234.8	253.2	274.0	255.5	234.8	223.3	221.0	216.4
50°	195.7	198.0	207.2	216.4	239.4	250.9	239.4	216.4	204.9	198.0	198.0
52°	177.3	184.2	193.4	211.8	227.9	246.3	232.5	207.2	193.4	186.5	181.9
52.5°	175.0	179.6	188.8	209.5	227.9	244.0	230.2	204.9	188.8	184.2	179.6
55°	156.5	163.4	179.6	204.9	225.6	244.0	225.6	202.6	179.6	168.1	163.4
57.5°	149.6	154.2	175.0	207.2	223.3	244.0	225.6	202.6	179.6	158.8	154.2
60°	142.7	151.9	175.0	200.3	221.0	246.3	227.9	200.3	175.0	149.6	149.6
62.5°	135.8	142.7	172.7	195.7	211.8	237.1	218.7	195.7	168.1	142.7	140.4
65°	117.4	128.9	151.9	163.4	181.9	204.9	186.5	170.4	147.3	126.6	124.3
67.5°	89.8	94.4	112.8	126.6	138.1	158.8	149.6	128.9	112.8	96.7	96.7
70°	62.2	66.8	80.6	87.5	99.0	110.5	103.6	87.5	76.0	66.8	64.5
72.5°	43.7	46.0	50.6	55.3	59.9	64.5	62.2	50.6	43.7	41.4	39.1
75°	34.5	39.1	41.4	39.1	36.8	34.5	34.5	29.9	25.3	23.0	23.0
77.5°	34.5	36.8	34.5	29.9	25.3	23.0	20.7	18.4	13.8	11.5	13.8
80°	29.9	29.9	29.9	25.3	23.0	20.7	18.4	16.1	13.8	11.5	11.5
82.5°	32.2	32.2	29.9	25.3	25.3	20.7	20.7	18.4	16.1	11.5	11.5
85°	0.0	0.0	0.0	4.6	11.5	20.7	20.7	18.4	16.1	13.8	13.8
87.5°	0.0	0.0	0.0	0.0	2.3	4.6	9.2	11.5	13.8	13.8	13.8
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°	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2
2.5°	5083.1	5170.5	5336.3	5502.0	5603.3	5723.0	5939.4	6054.5	6204.2	6277.8	6422.9
5°	4095.4	4302.6	4376.3	4565.1	4767.7	4970.2	5292.5	5647.1	5941.7	6144.3	6406.8
7.5°	2988.1	3036.5	3321.9	3448.6	3780.1	4148.4	4588.1	5034.7	5407.6	5739.2	5939.4
10°	2239.9	2417.2	2596.8	2838.5	3105.5	3485.4	3906.7	4399.3	4882.8	5214.3	5467.5
12.5°	1800.2	1940.7	2180.1	2440.2	2769.4	3020.4	3444.0	3932.0	4558.2	4882.8	5216.6
15°	1362.8	1542.4	1814.1	2083.4	2431.0	2695.8	3124.0	3738.6	4544.4	4991.0	5278.7
17.5°	1010.6	1132.6	1376.7	1678.2	2032.8	2405.7	2983.5	3717.9	4698.6	5230.4	5527.4
20°	773.5	814.9	969.2	1238.5	1623.0	2111.0	2755.6	3807.7	5154.4	5812.8	6114.4
22.5°	626.2	644.6	704.4	890.9	1263.9	1853.2	2647.4	3869.8	5667.8	6510.4	6913.2
25°	545.6	541.0	580.1	660.7	987.6	1611.5	2509.3	4104.7	6296.3	7329.9	7691.3
27.5°	497.3	497.3	515.7	573.2	819.5	1454.9	2421.8	4272.7	6929.3	8050.5	8246.1
30°	471.9	476.5	529.5	547.9	681.4	1268.5	2276.8	4443.1	7534.8	8510.9	8780.2
32.5°	437.4	419.0	407.5	453.5	573.2	1100.4	2131.8	4514.4	8025.1	9074.9	9305.1
35°	336.1	326.9	340.7	375.2	492.7	957.7	1970.6	4595.0	8589.2	9728.7	9774.7
37.5°	303.9	301.6	310.8	340.7	414.4	833.4	1855.5	4574.3	9019.7	10269.7	10145.4
40°	280.9	280.9	287.8	313.1	370.6	745.9	1735.8	4555.9	9436.3	10877.5	10513.7
42.5°	262.4	262.4	274.0	290.1	352.2	688.3	1646.0	4530.5	9786.3	11250.4	10730.1
45°	237.1	244.0	262.4	278.6	356.8	649.2	1579.2	4433.9	9906.0	11245.8	10626.5
47.5°	218.7	227.9	246.3	269.3	322.3	637.7	1533.2	4348.7	9864.5	10969.5	10301.9
50°	198.0	209.5	234.8	274.0	274.0	614.7	1484.9	4424.6	9834.6	10755.4	9991.1
52°	184.2	193.4	225.6	267.0	239.4	566.3	1454.9	4572.0	9956.6	10727.8	9853.0
52.5°	181.9	188.8	218.7	262.4	227.9	557.1	1434.2	4606.5	9995.7	10658.8	9947.4
55°	161.1	170.4	200.3	204.9	186.5	458.1	1367.5	4684.8	9802.4	10522.9	9857.6
57.5°	151.9	156.5	177.3	168.1	161.1	345.3	1176.4	4562.8	8706.6	9346.6	9171.6
60°	140.4	145.0	165.8	131.2	135.8	241.7	884.0	3961.9	6991.5	7788.0	8103.4
62.5°	135.8	133.5	156.5	105.9	115.1	175.0	623.9	3220.6	5386.9	6411.4	6957.0
65°	119.7	117.4	112.8	89.8	99.0	135.8	372.9	2101.8	3796.2	4850.5	5149.8
67.5°	92.1	96.7	82.9	71.4	82.9	105.9	207.2	941.6	1991.3	2909.9	3151.6
70°	64.5	69.1	66.8	62.2	73.7	87.5	119.7	322.3	824.2	1528.6	1685.1
72.5°	39.1	48.3	50.6	52.9	64.5	76.0	85.2	103.6	218.7	541.0	672.2
75°	23.0	32.2	39.1	46.0	52.9	64.5	71.4	73.7	76.0	101.3	163.4
77.5°	16.1	23.0	34.5	43.7	52.9	64.5	76.0	80.6	76.0	71.4	76.0
80°	13.8	23.0	32.2	41.4	55.3	66.8	76.0	76.0	73.7	64.5	69.1
82.5°	13.8	23.0	34.5	43.7	52.9	64.5	73.7	76.0	69.1	64.5	66.8
85°	16.1	25.3	36.8	46.0	57.6	52.9	48.3	39.1	36.8	29.9	32.2
87.5°	16.1	23.0	23.0	25.3	27.6	27.6	27.6	25.3	20.7	18.4	18.4
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: P528471

CATALOG NUMBER: GALN-SA3C-740-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2	5884.2
2.5°	6429.8	6614.0	6607.0	6611.6	6584.0	6397.6	6307.8	6079.9	6144.3	6116.7
5°	6676.1	6858.0	7014.5	6996.1	6784.3	6531.1	6155.8	5801.3	5704.6	5561.9
7.5°	6429.8	6867.2	7012.2	6991.5	6678.4	6353.8	5755.3	5400.7	5232.7	5138.3
10°	6038.4	6544.9	6724.5	6761.3	6549.5	6056.8	5506.6	4938.0	4848.2	4684.8
12.5°	5815.1	6183.5	6294.0	6392.9	6319.3	5950.9	5317.9	4772.3	4648.0	4539.8
15°	5633.3	5852.0	5898.0	6010.8	6054.5	5856.6	5416.9	4951.8	4645.7	4634.1
17.5°	5801.3	5711.5	5543.5	5578.0	5716.1	5858.9	5672.4	5306.4	5009.4	4972.5
20°	6079.9	5683.9	5304.1	5389.2	5504.3	5941.7	6059.1	5801.3	5631.0	5536.6
22.5°	6399.9	5732.2	5228.1	5269.5	5488.2	6128.2	6685.3	6542.6	6224.9	6089.1
25°	6991.5	5865.8	5287.9	5315.6	5614.8	6388.3	7251.6	7357.5	7168.8	7141.1
27.5°	7569.3	6211.1	5419.2	5357.0	5679.3	6641.6	7594.6	8163.3	7831.8	7767.3
30°	7864.0	6491.9	5614.8	5508.9	5946.3	6795.8	7801.8	8688.1	8398.1	8368.2
32.5°	8315.2	6747.5	5766.8	5631.0	6096.0	6986.9	8188.6	9261.4	8980.5	8830.9
35°	8504.0	7026.0	6100.6	5941.7	6524.2	7253.9	8386.6	9772.4	9685.0	9539.9
37.5°	8867.7	7325.3	6494.2	6485.0	7042.1	7601.6	8743.4	10467.7	10451.6	10200.6
40°	8897.6	7652.2	7115.8	7405.9	7843.3	8207.0	9056.5	10661.1	10923.5	10753.1
42.5°	8943.7	8225.4	8190.9	8430.3	8805.6	8727.3	9068.0	10707.1	11107.7	11006.4
45°	8964.4	8798.7	9284.4	9726.4	9882.9	9408.7	8959.8	10619.6	11204.4	10951.1
47.5°	8798.7	9291.3	10168.4	11022.5	11068.5	9827.7	8913.8	10529.8	11261.9	11093.9
50°	8821.7	9599.8	10932.7	11697.0	11528.9	10198.3	8842.4	10474.6	11232.0	11119.2
52°	8766.4	9606.7	11040.9	11683.2	11565.8	9993.4	8720.4	10262.8	11204.4	11284.9
52.5°	8828.6	9565.3	10928.1	11692.4	11540.5	10094.7	8704.3	10380.2	11220.5	11057.0
55°	8614.5	9072.6	10267.4	10592.0	10569.0	9162.4	8209.3	9991.1	10799.2	10801.5
57.5°	7785.7	7864.0	8052.8	8045.9	7940.0	7203.3	7021.4	9187.7	9627.4	9388.0
60°	6860.3	5757.6	5248.8	5041.6	4924.2	4804.5	6211.1	8405.0	8446.4	8345.1
62.5°	5927.9	3991.9	3315.0	3257.5	3285.1	3722.5	6003.9	8094.2	7845.6	7626.9
65°	4783.8	2909.9	2408.0	2332.0	2601.4	3073.3	4859.7	6206.5	5824.3	5642.5
67.5°	3004.2	2122.5	1627.6	1484.9	1809.5	2115.6	3193.0	3899.8	3471.6	3220.6
70°	1781.8	1185.6	736.7	660.7	743.6	1128.0	1788.7	1945.3	1609.2	1480.3
72.5°	702.1	435.1	204.9	175.0	181.9	396.0	658.4	642.3	485.7	432.8
75°	188.8	131.2	71.4	57.6	48.3	73.7	105.9	69.1	25.3	32.2
77.5°	87.5	78.3	62.2	48.3	36.8	27.6	13.8	4.6	4.6	2.3
80°	76.0	66.8	57.6	48.3	36.8	23.0	11.5	2.3	2.3	2.3
82.5°	71.4	62.2	52.9	43.7	34.5	23.0	11.5	2.3	0.0	0.0
85°	29.9	39.1	43.7	41.4	36.8	23.0	11.5	2.3	0.0	0.0
87.5°	16.1	13.8	11.5	9.2	6.9	4.6	4.6	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)