

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: P532655

Luminaire Tested: **GALN-SA8A-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532655
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-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 19017 lumens
Efficiency: N/A
Efficacy: 77.9 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

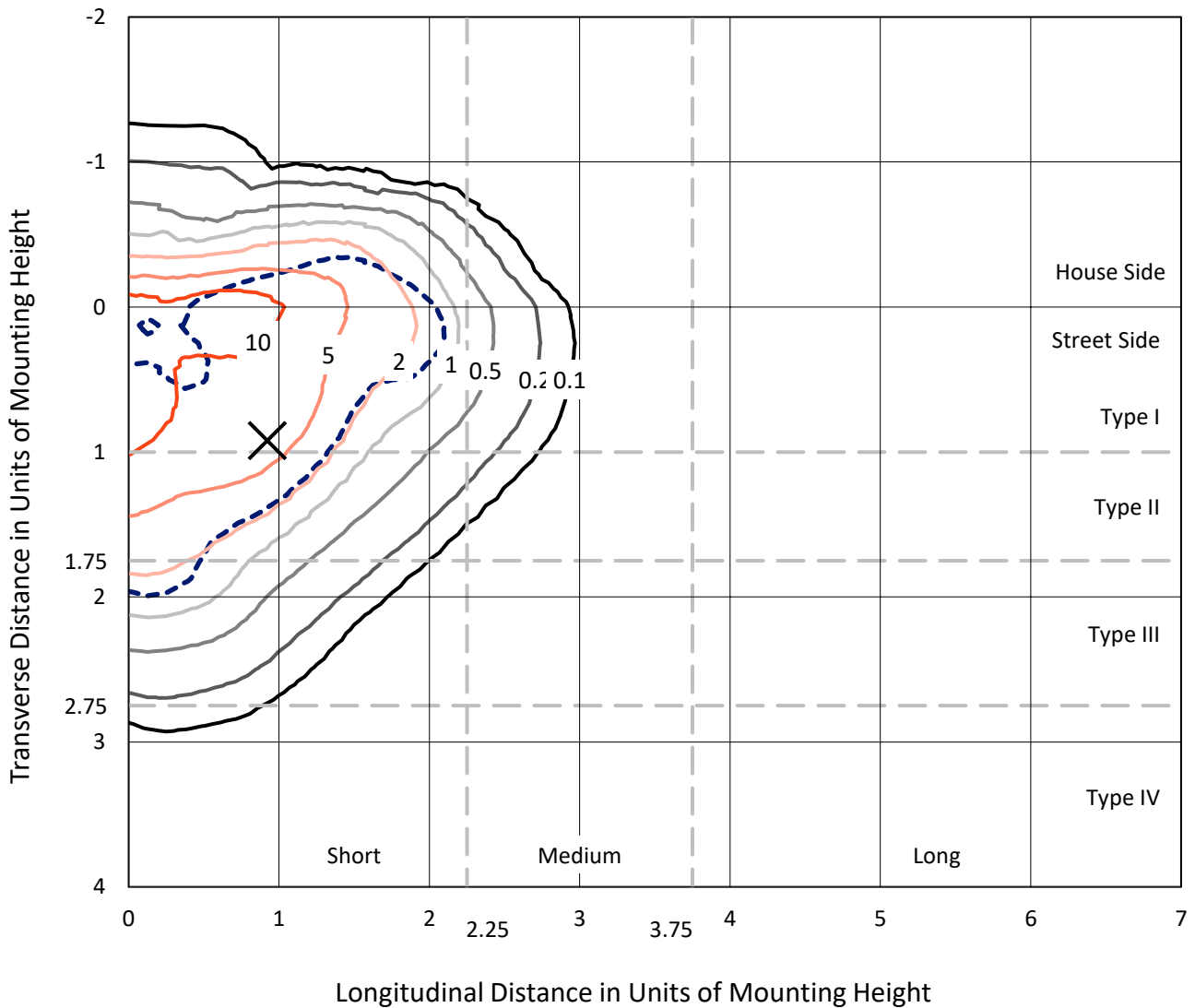
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

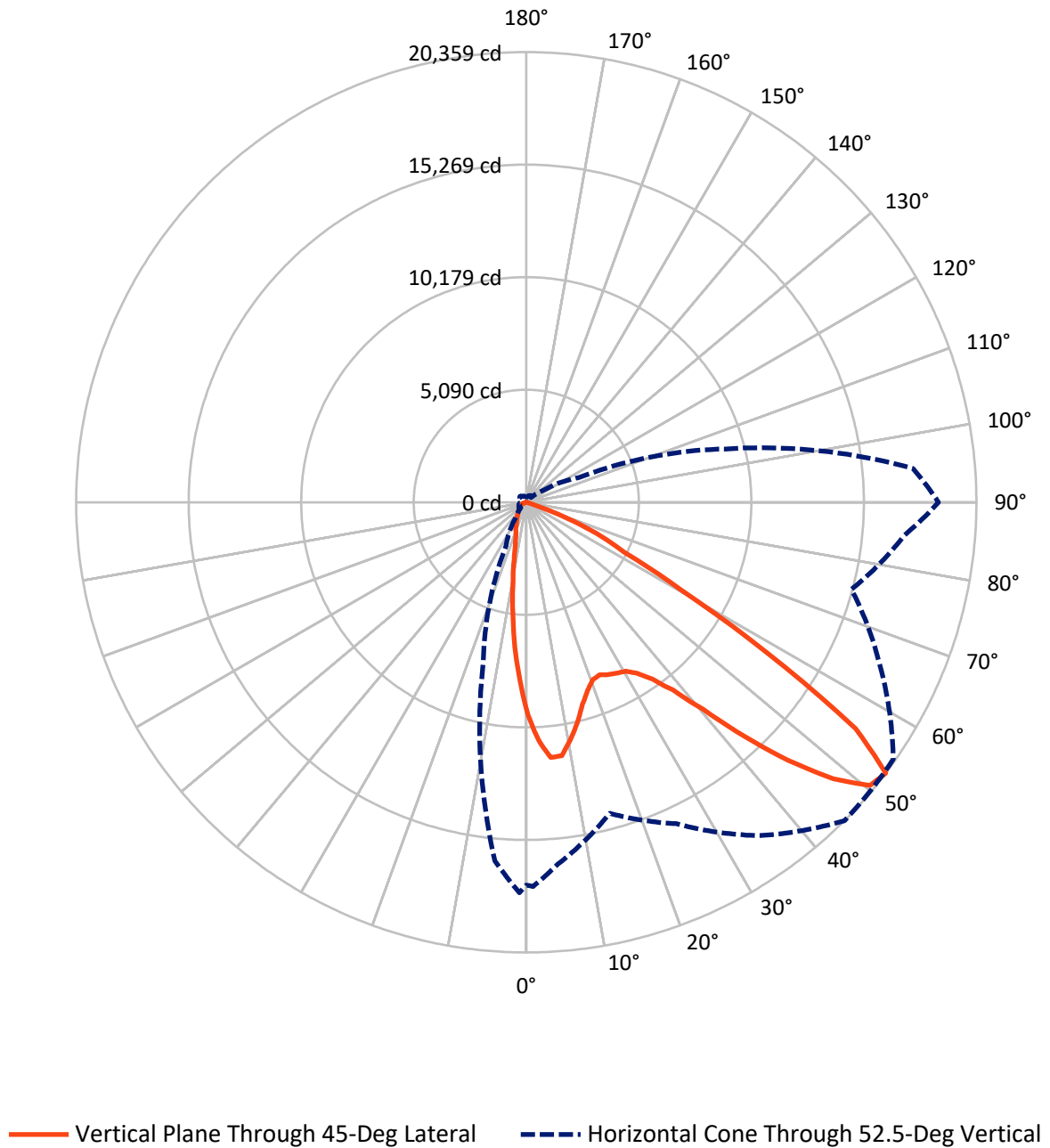
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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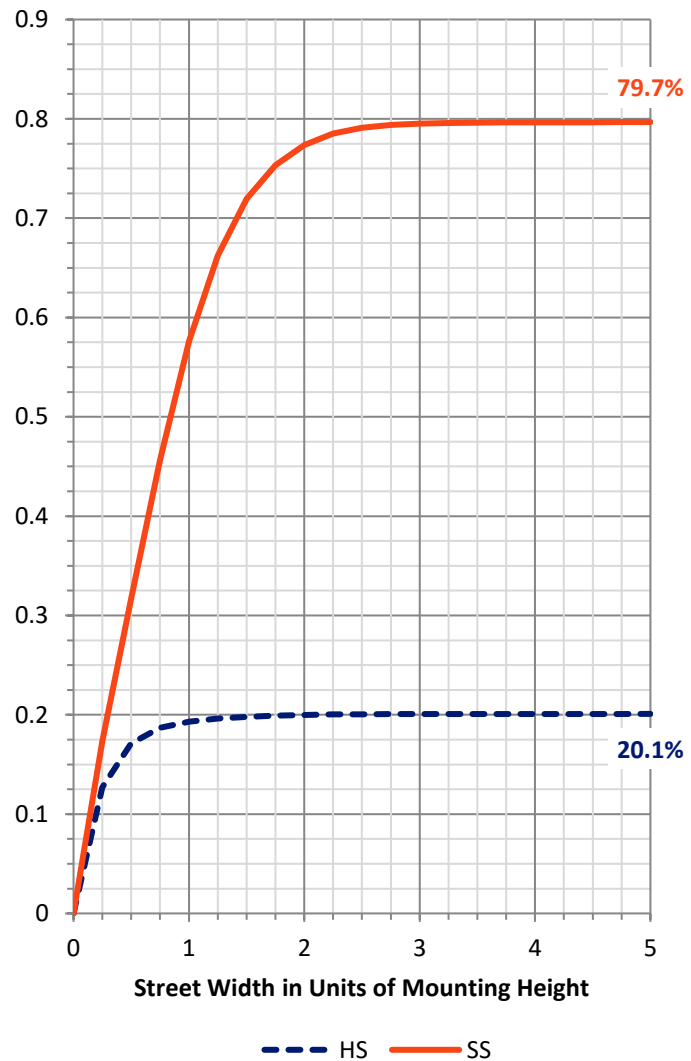
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3859.5	0.0	3859.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	15157.5	0.0	15157.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	19017.0	0.0	19017.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.2	3.7
10°-20°	1387.4	7.3
20°-30°	2111.4	11.1
30°-40°	3155.7	16.6
40°-50°	4494.1	23.6
50°-60°	4831.0	25.4
60°-70°	2140.7	11.3
70°-80°	173.2	0.9
80°-90°	20.2	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°	19017.0	100.0
0°-180°	19017.0	100.0



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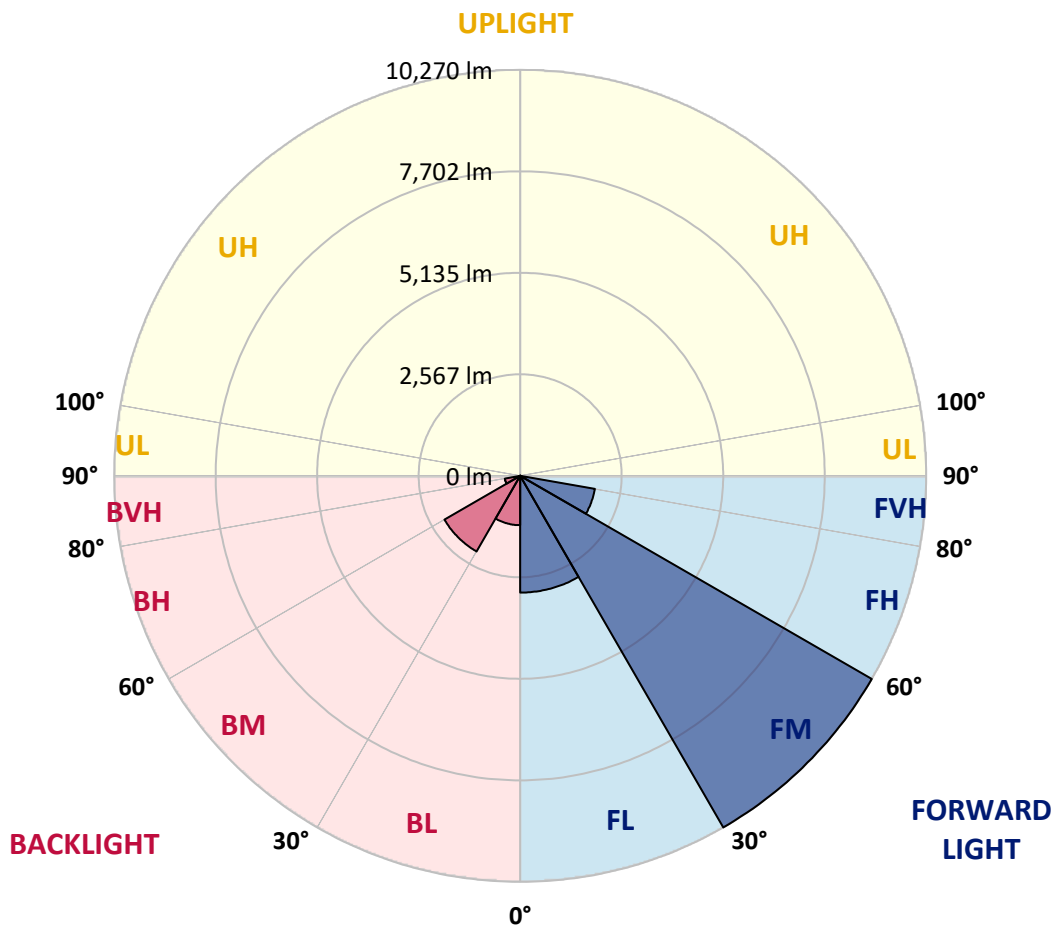
CATALOG NUMBER: GALN-SA8A-735-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2953.7	15.5			
FM (30°-60°)	10269.8	54.0			
FH (60°-80°)	1919.0	10.1			G2/5000
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	1248.3	6.6	B3/2500		
BM (30°-60°)	2211.1	11.6	B2/2500		
BH (60°-80°)	394.9	2.1	B1/500		G1/500
BVH (80°-90°)	5.2	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°	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5
2.5°	10203.5	10233.5	10398.0	10603.8	10712.2	10959.1	10787.0	10831.9	10738.4	10409.3	10151.2
5°	9893.1	9889.4	10098.8	10607.5	11090.0	11580.0	11594.9	11333.1	10873.1	10368.1	9646.2
7.5°	8958.0	9103.9	9320.8	10132.5	11026.4	11393.0	11568.8	11262.1	10555.1	9833.3	9051.5
10°	8251.1	8325.9	8692.5	9672.4	10327.0	10817.0	10925.4	10749.6	10207.3	9305.9	8430.6
12.5°	7843.4	7880.8	8311.0	9133.8	9825.8	10188.6	10241.0	10323.2	9934.2	9088.9	8037.9
15°	7847.2	7877.1	8456.8	9145.0	9418.1	9320.8	9492.9	9489.2	9657.5	9047.8	8367.1
17.5°	8411.9	8445.6	8969.2	9309.6	9189.9	8961.8	8950.5	9122.6	9477.9	9560.2	8864.5
20°	9384.4	9463.0	9848.2	9829.5	9156.3	8696.2	8569.0	8699.9	9526.6	9994.1	9866.9
22.5°	10693.5	10802.0	11071.3	10555.1	9309.6	8516.7	8475.5	8729.9	9848.2	10962.8	11004.0
25°	12212.1	12395.4	12526.3	11864.2	9855.7	8827.1	8632.6	9070.2	10282.1	12013.9	12451.5
27.5°	13218.2	13409.0	13379.1	12432.8	10222.3	8909.4	8744.8	9152.5	10659.9	12264.5	13207.0
30°	14003.7	14119.6	14329.1	12739.5	10588.8	9141.3	8860.8	9500.4	10783.3	12698.3	14119.6
32.5°	14920.1	14998.6	15013.6	13281.8	11153.6	9433.0	9219.8	9934.2	11329.4	13113.5	14927.6
35°	15843.9	15959.9	15716.8	13951.3	11501.4	9975.4	9818.3	10686.0	11767.0	13543.6	15817.7
37.5°	16846.3	16906.2	16345.1	14228.1	11998.9	10858.1	10772.1	11497.7	12526.3	14321.6	16805.2
40°	17687.9	17744.0	17014.6	14568.5	12522.5	12092.4	12313.1	13046.2	13558.6	14826.6	17298.9
42.5°	18155.4	18286.3	17239.1	14381.5	13573.6	13491.3	14471.2	14729.3	14755.5	14968.7	17740.3
45°	18282.6	18222.8	16868.8	14534.8	14493.7	15791.6	16681.8	17022.1	15944.9	15230.5	17852.5
47.5°	17695.4	17773.9	16322.7	14400.2	15701.8	17534.5	18686.6	19318.7	16831.4	15002.4	17575.7
50°	17220.4	17119.4	16146.9	14302.9	16027.2	18357.4	20134.1	20276.2	17646.8	15282.9	17272.7
52.5°	17313.9	17377.5	16427.4	14561.0	16034.7	18406.0	20358.5	20261.2	17672.9	15219.3	17164.3
55°	17512.1	17231.6	16307.7	13992.5	14961.2	17048.3	18069.4	17919.8	16311.5	14542.3	16898.7
57.5°	15110.8	15544.7	14994.9	12492.6	12279.4	12844.2	12825.5	13285.6	12167.2	12515.1	15383.9
60°	12264.5	12339.3	12545.0	10686.0	8498.0	8303.5	8034.2	7742.4	8187.5	10701.0	13992.5
62.5°	10787.0	10697.3	11430.4	9721.0	5999.4	5023.2	4978.3	5157.9	6317.4	10207.3	13124.7
65°	7839.7	7951.9	8483.0	7544.2	4503.3	3833.8	3766.5	4297.6	5113.0	8180.0	10016.5
67.5°	4787.6	5004.5	5053.2	4652.9	3055.8	2427.5	2330.2	2812.7	3691.7	5292.5	5872.3
70°	2210.5	2472.3	2719.2	2539.7	1769.2	998.7	942.6	1181.9	1862.7	3044.6	3115.7
72.5°	669.5	673.3	942.6	983.7	572.3	224.4	198.2	261.8	632.1	1006.1	1058.5
75°	48.6	52.4	127.2	145.9	108.5	56.1	59.8	71.1	134.7	224.4	168.3
77.5°	3.7	3.7	3.7	18.7	33.7	37.4	48.6	56.1	71.1	82.3	74.8
80°	3.7	0.0	3.7	15.0	26.2	37.4	44.9	52.4	56.1	63.6	56.1
82.5°	0.0	0.0	0.0	11.2	26.2	37.4	41.1	56.1	63.6	74.8	63.6
85°	0.0	0.0	0.0	11.2	26.2	41.1	37.4	18.7	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°	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5
2.5°	10196.1	10050.2	9717.3	9549.0	9152.5	9096.4	8707.4	8643.8	8512.9	8441.9	8269.8
5°	9328.3	9152.5	8610.2	8153.9	7622.7	7252.4	6968.2	6710.1	6560.5	6422.1	6485.7
7.5°	8621.4	8109.0	7506.8	6743.8	6130.4	5733.9	5300.0	4944.7	4735.2	4593.1	4626.8
10°	7880.8	7547.9	6710.1	5853.6	5113.0	4832.5	4492.1	4219.1	3923.6	3669.2	3549.5
12.5°	7648.9	7155.2	6104.2	5232.7	4671.6	4398.6	4009.6	3695.4	3317.6	3007.2	2898.7
15°	7690.1	7215.0	5939.6	5008.3	4346.2	3875.0	3411.2	3022.2	2607.0	2390.1	2277.8
17.5°	8359.6	7536.7	6048.1	4772.6	3893.7	3239.1	2666.8	2173.1	1862.7	1638.3	1589.6
20°	9182.4	8232.4	6280.0	4600.6	3523.4	2577.1	1948.7	1522.3	1264.2	1226.8	1215.6
22.5°	10386.8	9369.5	6777.4	4484.6	3070.8	2008.5	1335.3	1107.1	1036.1	1028.6	1032.3
25°	12070.0	10794.5	7319.8	4387.4	2730.4	1548.5	1092.2	938.8	916.4	905.2	923.9
27.5°	12799.3	11654.8	7607.8	4177.9	2420.0	1395.1	1077.2	931.3	867.8	849.0	860.3
30°	13700.7	12227.1	8060.4	3818.9	1963.7	1148.3	1006.1	1013.6	983.7	890.2	860.3
32.5°	14897.6	12941.5	8288.5	3564.5	1754.2	950.0	736.8	677.0	755.5	770.5	796.7
35°	15664.4	13667.1	8404.5	3414.9	1645.7	811.6	624.6	568.5	549.8	553.6	568.5
37.5°	17089.4	14647.0	8550.3	3257.8	1563.4	706.9	564.8	512.4	486.2	486.2	501.2
40°	17942.2	15425.0	8748.6	3171.8	1481.2	643.3	512.4	467.5	445.1	445.1	452.6
42.5°	18155.4	15810.3	8681.2	3141.9	1387.7	628.4	467.5	433.9	407.7	404.0	400.2
45°	18536.9	16397.5	8692.5	3108.2	1290.4	572.3	441.4	404.0	366.5	362.8	359.1
47.5°	18955.9	16820.1	8714.9	2977.3	1196.9	478.8	460.1	374.0	329.1	321.7	321.7
50°	18596.8	17156.8	8909.4	2846.4	1077.2	389.0	452.6	351.6	291.7	280.5	284.3
52.5°	18641.7	17553.2	9320.8	2663.1	927.6	310.4	366.5	332.9	265.6	246.9	250.6
55°	17923.5	17134.3	9376.9	2468.6	725.6	239.4	280.5	291.7	224.4	216.9	216.9
57.5°	15428.8	14508.6	8273.6	2001.1	478.8	198.2	202.0	254.3	194.5	187.0	190.8
60°	13203.3	11647.3	6657.7	1320.3	299.2	157.1	145.9	258.1	172.1	168.3	179.5
62.5°	12036.3	9571.4	5049.4	819.1	205.7	119.7	101.0	209.5	149.6	149.6	164.6
65°	8696.2	6429.6	2936.1	430.1	145.9	93.5	74.8	119.7	123.4	127.2	134.7
67.5°	5386.0	3246.6	1238.0	209.5	97.2	63.6	48.6	74.8	82.3	82.3	89.8
70°	2659.4	1294.1	411.4	119.7	74.8	52.4	33.7	41.1	41.1	37.4	41.1
72.5°	822.9	389.0	104.7	74.8	52.4	33.7	18.7	15.0	7.5	0.0	3.7
75°	93.5	74.8	67.3	52.4	33.7	15.0	3.7	0.0	0.0	0.0	0.0
77.5°	56.1	63.6	63.6	52.4	33.7	11.2	0.0	0.0	0.0	0.0	0.0
80°	44.9	48.6	52.4	48.6	29.9	15.0	0.0	0.0	0.0	0.0	0.0
82.5°	56.1	63.6	71.1	63.6	41.1	18.7	7.5	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	11.2	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°	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5
2.5°	8198.7	8116.5	8232.4	8060.4	8056.6	8060.4	8011.7	7966.8	8037.9	8228.7	8247.4
5°	6257.5	6433.3	6489.4	6672.7	6571.7	6422.1	6452.0	6351.0	6597.9	6706.4	6620.3
7.5°	4555.7	4544.5	4922.2	4944.7	4993.3	4997.0	4989.6	4791.3	4589.4	4634.2	4768.9
10°	3534.6	3343.8	3527.1	3508.4	3628.1	3594.4	3643.1	3429.9	3500.9	3500.9	3587.0
12.5°	2880.0	2678.1	2644.4	2595.8	2644.4	2663.1	2681.8	2640.7	2760.3	2816.4	2876.3
15°	2199.3	2087.1	2057.2	1963.7	1978.6	2031.0	2075.9	2094.6	2057.2	2143.2	2150.7
17.5°	1597.1	1593.4	1612.1	1608.3	1593.4	1582.1	1578.4	1529.8	1514.8	1522.3	1552.2
20°	1211.9	1241.8	1305.4	1369.0	1402.6	1361.5	1305.4	1223.1	1189.4	1196.9	1200.6
22.5°	1036.1	1080.9	1167.0	1238.0	1271.7	1196.9	1095.9	1024.8	1009.9	1006.1	1002.4
25°	938.8	991.2	1054.8	1077.2	1073.5	1028.6	953.8	923.9	916.4	908.9	875.2
27.5°	886.5	905.2	916.4	942.6	953.8	923.9	905.2	860.3	852.8	852.8	830.3
30°	856.5	845.3	860.3	841.6	856.5	834.1	837.8	837.8	819.1	826.6	826.6
32.5°	796.7	800.4	800.4	763.0	774.2	748.1	774.2	796.7	800.4	804.2	834.1
35°	583.5	650.8	684.5	684.5	695.7	677.0	673.3	647.1	613.4	579.7	564.8
37.5°	512.4	538.6	583.5	609.7	628.4	613.4	579.7	538.6	519.9	504.9	490.0
40°	456.3	478.8	508.7	538.6	576.0	557.3	504.9	486.2	463.8	463.8	448.8
42.5°	411.4	422.7	441.4	486.2	527.4	490.0	452.6	437.6	426.4	422.7	418.9
45°	370.3	374.0	392.7	430.1	478.8	441.4	404.0	385.3	389.0	392.7	389.0
47.5°	332.9	340.4	351.6	396.5	426.4	407.7	366.5	355.3	355.3	355.3	359.1
50°	288.0	306.7	329.1	366.5	389.0	377.8	344.1	329.1	321.7	321.7	325.4
52.5°	258.1	273.0	303.0	347.8	377.8	359.1	325.4	303.0	288.0	284.3	291.7
55°	224.4	250.6	299.2	332.9	374.0	355.3	317.9	291.7	265.6	261.8	261.8
57.5°	202.0	243.1	288.0	329.1	362.8	347.8	317.9	284.3	250.6	246.9	246.9
60°	190.8	235.6	280.5	317.9	362.8	340.4	314.2	276.8	239.4	239.4	235.6
62.5°	179.5	220.7	265.6	303.0	347.8	329.1	303.0	265.6	228.2	228.2	220.7
65°	149.6	190.8	220.7	254.3	303.0	284.3	258.1	231.9	202.0	194.5	198.2
67.5°	104.7	130.9	160.8	194.5	224.4	216.9	205.7	187.0	160.8	157.1	153.4
70°	52.4	71.1	97.2	130.9	157.1	149.6	142.1	127.2	112.2	108.5	108.5
72.5°	7.5	22.4	41.1	59.8	82.3	86.0	82.3	78.5	74.8	71.1	74.8
75°	0.0	0.0	0.0	15.0	33.7	41.1	48.6	56.1	56.1	48.6	59.8
77.5°	0.0	0.0	0.0	0.0	3.7	18.7	37.4	48.6	59.8	52.4	71.1
80°	0.0	0.0	0.0	0.0	3.7	22.4	37.4	52.4	59.8	52.4	74.8
82.5°	0.0	0.0	0.0	0.0	3.7	26.2	37.4	48.6	56.1	52.4	67.3
85°	0.0	0.0	0.0	0.0	11.2	22.4	15.0	7.5	3.7	3.7	11.2
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: P532655

CATALOG NUMBER: GALN-SA8A-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5	9642.5
2.5°	8352.1	8617.7	8901.9	9010.4	9347.0	9601.4	9773.4	10143.7	10199.8	10203.5
5°	6710.1	6844.8	7331.0	7559.2	8060.4	8449.3	8864.5	9463.0	9863.2	9893.1
7.5°	4768.9	5142.9	5348.6	5943.3	6560.5	7170.2	7787.3	8483.0	8946.8	8958.0
10°	3837.6	4080.7	4447.2	4892.3	5412.2	6033.1	6856.0	7663.9	8135.2	8251.1
12.5°	3089.5	3515.9	3934.8	4394.9	4791.3	5258.9	6145.3	7222.5	7611.5	7843.4
15°	2378.8	2767.8	3261.5	3800.1	4249.0	4873.6	5883.5	7114.1	7768.6	7847.2
17.5°	1754.2	2102.1	2558.4	3067.0	3740.3	4626.8	5928.4	7663.9	8281.0	8411.9
20°	1260.5	1462.5	1821.5	2412.5	3269.0	4338.8	5973.3	8221.2	9160.0	9384.4
22.5°	998.7	1080.9	1316.6	1840.2	2741.6	4035.8	6291.2	9287.2	10368.1	10693.5
25°	867.8	912.6	1024.8	1451.2	2408.8	4005.9	6799.9	10566.4	11976.5	12212.1
27.5°	837.8	845.3	942.6	1331.5	2229.2	3807.6	6994.4	11475.3	12978.9	13218.2
30°	882.7	1002.4	1009.9	1125.8	1896.3	3414.9	7095.4	12354.2	13827.9	14003.7
32.5°	763.0	725.6	751.8	871.5	1668.2	3186.7	7286.1	13121.0	14796.6	14920.1
35°	531.1	557.3	617.2	755.5	1458.7	2947.4	7334.7	13966.3	15716.8	15843.9
37.5°	490.0	504.9	553.6	643.3	1282.9	2812.7	7267.4	14583.4	16670.5	16846.3
40°	456.3	475.0	501.2	583.5	1152.0	2663.1	7173.9	15140.7	17254.0	17687.9
42.5°	430.1	445.1	467.5	557.3	1039.8	2513.5	7043.0	15926.2	17777.7	18155.4
45°	400.2	422.7	448.8	542.3	976.2	2412.5	6945.7	15877.6	18080.6	18282.6
47.5°	370.3	407.7	437.6	504.9	957.5	2363.9	6986.9	15694.3	17833.8	17695.4
50°	340.4	389.0	441.4	418.9	912.6	2266.6	7035.5	15944.9	17246.5	17220.4
52.5°	314.2	370.3	411.4	344.1	811.6	2173.1	7506.8	16274.1	17661.7	17313.9
55°	276.8	332.9	329.1	276.8	658.3	2102.1	7877.1	16281.5	17381.2	17512.1
57.5°	250.6	295.5	258.1	231.9	486.2	1757.9	7274.9	13652.1	14878.9	15110.8
60°	231.9	288.0	194.5	183.3	317.9	1268.0	6351.0	10573.8	11826.8	12264.5
62.5°	213.2	273.0	153.4	149.6	220.7	901.4	5221.5	8849.6	10192.3	10787.0
65°	187.0	194.5	123.4	115.9	157.1	486.2	3179.3	6093.0	7619.0	7839.7
67.5°	153.4	149.6	101.0	93.5	104.7	235.6	1402.6	3052.1	4417.3	4787.6
70°	123.4	123.4	86.0	74.8	74.8	108.5	366.5	1215.6	1997.3	2210.5
72.5°	89.8	93.5	67.3	59.8	56.1	52.4	59.8	243.1	523.6	669.5
75°	78.5	82.3	67.3	52.4	41.1	33.7	26.2	22.4	29.9	48.6
77.5°	86.0	86.0	71.1	48.6	37.4	26.2	15.0	7.5	7.5	3.7
80°	108.5	112.2	93.5	63.6	44.9	29.9	18.7	7.5	3.7	3.7
82.5°	115.9	127.2	104.7	78.5	56.1	33.7	18.7	3.7	0.0	0.0
85°	29.9	48.6	82.3	71.1	56.1	33.7	18.7	3.7	0.0	0.0
87.5°	0.0	3.7	11.2	11.2	15.0	15.0	11.2	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)