

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: P529432

Luminaire Tested: **GALN-SA4C-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4C-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20713 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

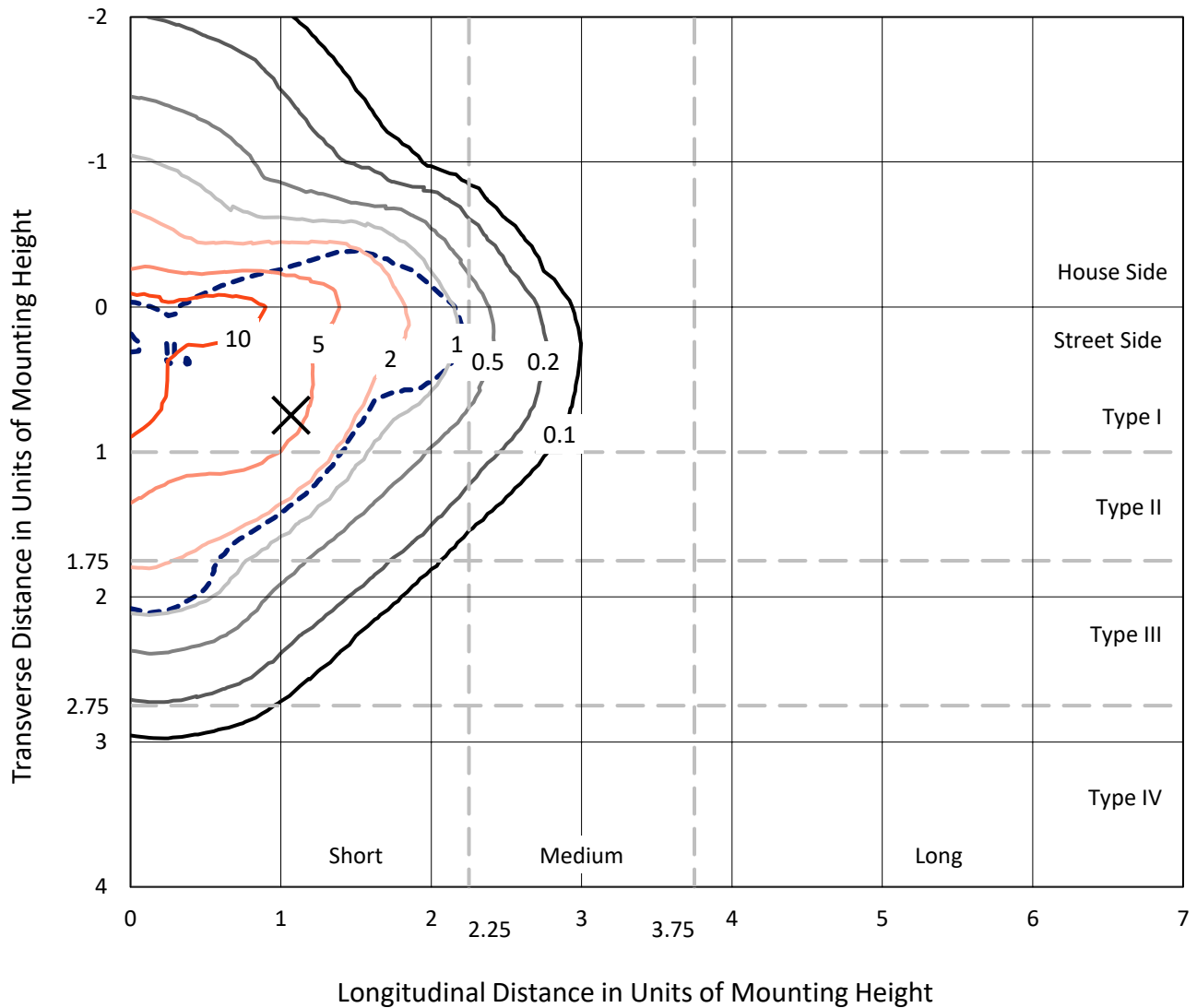
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

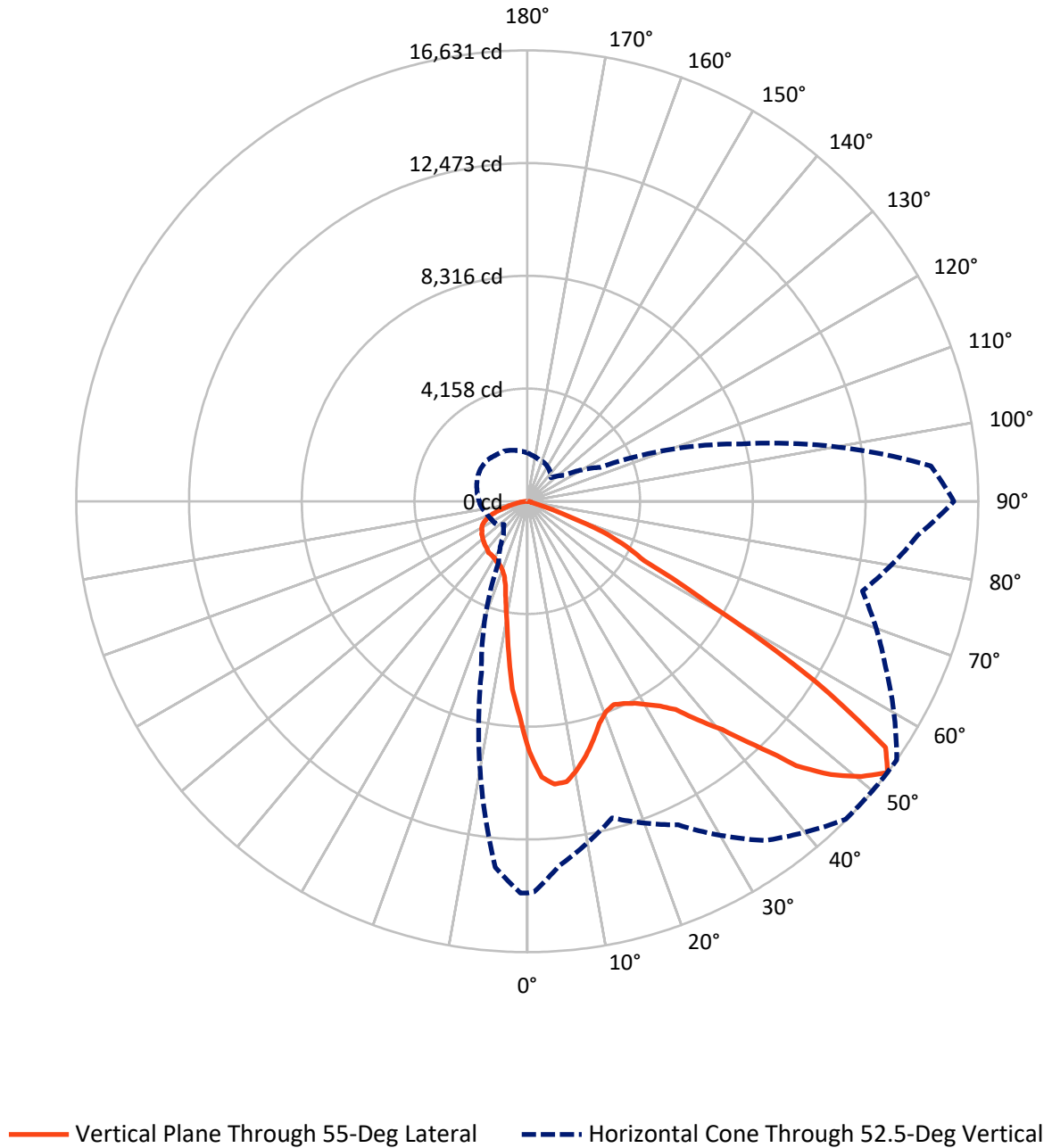
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6318.6	0.0	6318.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	14394.4	0.0	14394.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	20713.0	0.0	20713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.9	3.4
10°-20°	1522.0	7.3
20°-30°	2307.8	11.1
30°-40°	3334.5	16.1
40°-50°	4455.7	21.5
50°-60°	4973.6	24.0
60°-70°	2728.2	13.2
70°-80°	589.8	2.8
80°-90°	95.4	0.5
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°	20713.0	100.0
0°-180°	20713.0	100.0

Coefficient of Utilization



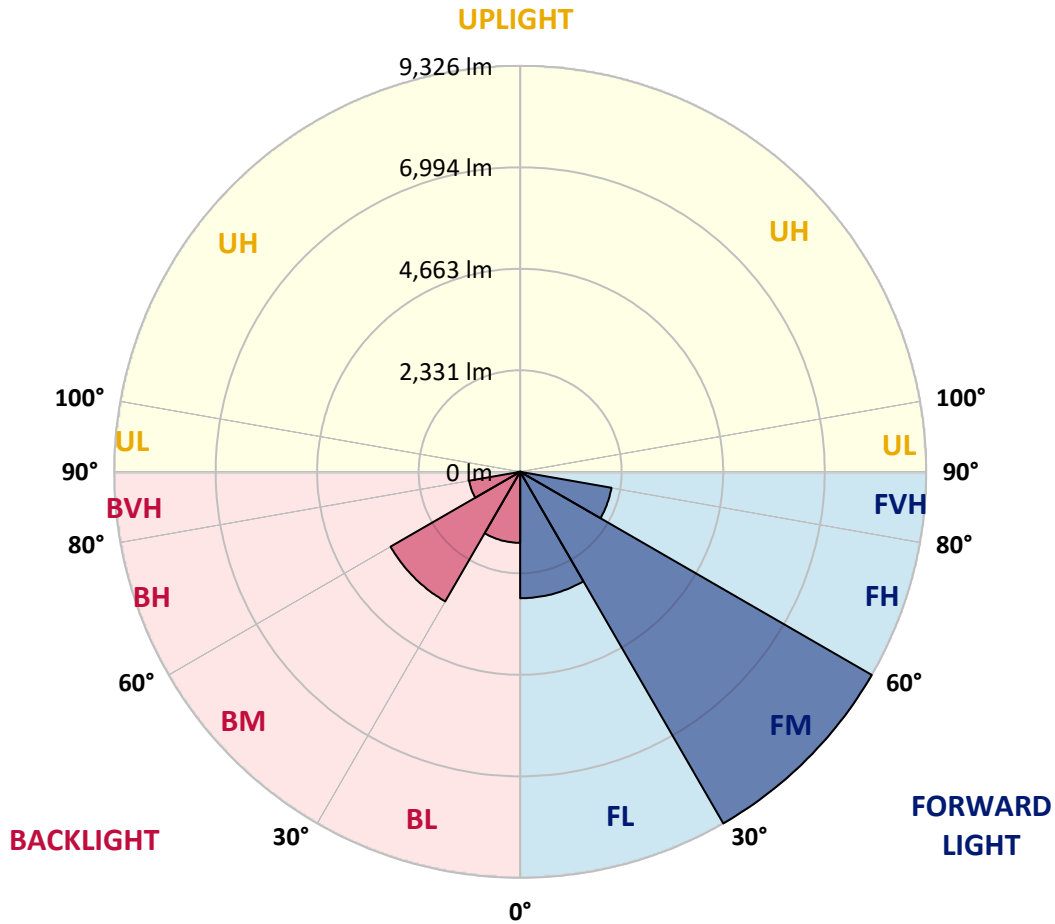
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2904.3	14.0			
FM (30°-60°)	9326.0	45.0			
FH (60°-80°)	2128.8	10.3			G2/5000
FVH (80°-90°)	35.3	0.2			G1/100
BL (0°-30°)	1631.4	7.9	B3/2500		
BM (30°-60°)	3437.8	16.6	B3/5000		
BH (60°-80°)	1189.3	5.7	B3/2500		G3/2500
BVH (80°-90°)	60.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CATALOG NUMBER: GALN-SA4C-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6
2.5°	9696.3	9641.8	9690.2	9920.1	10053.2	10143.9	10201.4	10192.3	9974.5	9762.8	9762.8
5°	9412.0	9342.4	9442.2	9962.4	10485.7	10531.0	10606.6	10482.6	10162.0	9774.9	9291.0
7.5°	8589.4	8640.8	8807.1	9490.6	10171.1	10512.9	10603.6	10446.3	9926.1	9203.3	8492.6
10°	7878.6	7999.6	8383.7	9121.6	9747.7	10192.3	10292.1	10071.3	9660.0	8773.8	8138.7
12.5°	7633.6	7558.0	7984.5	8722.4	9321.3	9560.2	9605.6	9620.7	9342.4	8556.1	7781.8
15°	7603.4	7651.8	7984.5	8544.0	8913.0	8925.1	9000.7	9118.6	9154.9	8704.3	7948.2
17.5°	8038.9	7981.4	8323.2	8767.8	8592.4	8417.0	8435.1	8604.5	8903.9	8831.3	8471.4
20°	8683.1	8813.2	9082.3	9037.0	8565.2	8120.6	8123.6	8283.9	8873.6	9357.6	9200.3
22.5°	9753.8	9880.8	10080.4	9533.0	8565.2	8032.9	7930.0	8147.8	9067.2	9983.6	10022.9
25°	10730.6	10963.5	11018.0	10373.8	8994.6	8114.5	8048.0	8262.7	9260.8	10594.5	10966.5
27.5°	11619.8	11704.5	11943.4	10915.1	9233.6	8169.0	8162.9	8438.1	9505.7	10900.0	11810.4
30°	12321.5	12312.4	12448.5	11256.9	9614.6	8474.4	8181.1	8701.3	9826.3	11405.1	12590.7
32.5°	12799.3	12902.2	13189.5	11731.7	9774.9	8764.8	8534.9	9009.7	10216.5	11644.0	13141.1
35°	13640.1	13818.6	13455.6	11994.8	10283.0	9052.1	8782.9	9430.1	10410.1	11904.1	13815.5
37.5°	14432.5	14296.4	13927.4	12137.0	10612.7	9584.4	9333.4	10243.7	11011.9	12469.7	14263.2
40°	14940.6	14937.6	14281.3	12251.9	10845.6	10398.0	10382.8	11069.4	11749.9	12826.6	14765.2
42.5°	15161.4	15373.1	14426.5	12239.8	11335.5	11383.9	11689.4	12303.3	12273.1	12899.1	14753.1
44°	15463.9	15590.9	14677.5	12267.0	11662.2	12049.3	12769.1	13159.2	12729.8	12859.8	14738.0
45°	15451.8	15460.8	14320.6	12303.3	11940.4	12605.8	13250.0	13909.3	13132.0	12775.1	14937.6
47.5°	15097.9	14995.1	14018.2	12034.2	12808.4	14075.6	14671.5	15070.7	13628.0	12593.7	14689.6
50°	14399.3	14281.3	13283.2	11919.2	12989.9	14989.0	15811.7	15956.8	14078.7	12415.2	14444.6
52.5°	14447.6	14414.4	13491.9	12091.6	13171.3	15276.3	16595.0	16631.3	14589.8	12790.3	14447.6
55°	15312.6	15197.7	14090.8	12306.4	13038.3	14940.6	16096.0	16032.4	14417.4	12563.4	14713.8
57.5°	14012.1	14087.7	13262.1	11456.5	11411.1	12146.1	12654.2	12496.9	12031.1	11338.5	13688.5
60°	11305.3	11520.0	11598.6	9581.4	8610.5	8232.5	8081.2	7803.0	7881.6	9315.2	12025.1
62.5°	9696.3	9684.2	10177.2	8686.1	5640.5	4851.2	4778.6	4842.1	5749.4	9170.0	11777.1
65°	7688.1	7893.7	8045.0	7361.4	4464.0	3602.1	3599.1	4001.3	4975.2	7663.9	9508.8
67.5°	4881.4	5150.6	5338.1	4709.0	2985.1	2564.7	2495.1	2979.1	3447.8	5026.6	5725.2
70°	2752.2	2879.2	2963.9	2715.9	1899.3	1330.7	1252.1	1367.0	2083.8	3254.3	3393.4
72.5°	1061.6	1119.0	1234.0	1243.0	716.8	429.5	347.8	417.4	877.1	1288.4	1227.9
75°	163.3	175.4	248.0	296.4	205.7	157.3	166.3	172.4	245.0	332.7	278.2
77.5°	78.6	78.6	75.6	87.7	102.8	111.9	121.0	133.1	145.2	160.3	154.2
80°	51.4	51.4	51.4	60.5	75.6	90.7	102.8	108.9	114.9	127.0	121.0
82.5°	33.3	33.3	33.3	45.4	60.5	75.6	81.7	96.8	108.9	127.0	118.0
85°	18.1	18.1	18.1	30.2	45.4	63.5	60.5	48.4	27.2	3.0	6.0
87.5°	6.0	6.0	6.0	6.0	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°	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6
2.5°	9508.8	9369.7	9357.6	9073.3	8819.2	8695.2	8595.4	8317.2	8377.6	8217.3	8214.3
5°	9049.1	8764.8	8305.1	7927.0	7548.9	7473.3	7143.7	6856.4	6865.4	6659.8	6696.1
7.5°	8223.4	8026.8	7467.3	6874.5	6372.5	6015.6	5704.1	5516.5	5277.6	5196.0	5153.6
10°	7700.2	7458.2	6829.1	6085.1	5522.6	5332.1	5032.6	4866.3	4621.3	4500.3	4415.7
12.5°	7470.3	7116.5	6330.1	5574.0	5199.0	5002.4	4748.3	4445.9	4155.6	4043.6	3889.4
15°	7494.5	7071.1	6184.9	5368.3	4917.7	4536.6	4309.8	3974.1	3677.7	3481.1	3369.2
17.5°	7860.5	7346.3	6251.5	5211.1	4563.8	4086.0	3641.4	3278.5	3042.6	2894.4	2858.1
20°	8725.4	8026.8	6363.4	4957.0	4210.0	3614.2	3066.8	2688.7	2507.2	2504.2	2507.2
22.5°	9445.3	8752.7	6590.2	4805.8	3856.1	3009.3	2464.9	2343.9	2307.6	2383.2	2392.3
25°	10416.1	9569.3	6980.4	4727.2	3529.5	2564.7	2229.0	2183.6	2180.6	2277.4	2280.4
27.5°	11411.1	10283.0	7213.2	4497.3	3196.8	2334.9	2086.8	2077.8	2126.2	2229.0	2219.9
30°	12088.6	10881.9	7633.6	4222.1	2803.6	2132.2	2029.4	2041.5	2108.0	2186.7	2198.8
32.5°	12878.0	11471.6	7742.5	4070.9	2561.7	1962.8	1890.3	1917.5	2002.2	2126.2	2192.7
35°	13782.3	11889.0	7908.9	3865.2	2471.0	1832.8	1796.5	1826.7	1929.6	2011.2	2083.8
37.5°	14450.7	12626.9	7939.1	3704.9	2371.1	1760.2	1702.7	1802.6	1863.0	1978.0	2014.3
40°	14946.7	13162.3	8017.7	3605.1	2292.5	1666.5	1666.5	1733.0	1814.7	1920.5	1993.1
42.5°	15264.2	13552.4	8075.2	3514.4	2141.3	1639.2	1624.1	1690.7	1799.5	1902.4	1935.6
44°	15457.8	13718.8	8017.7	3429.7	2098.9	1606.0	1606.0	1663.4	1748.1	1869.1	1908.4
45°	15506.2	13927.4	7890.7	3426.7	2047.5	1566.6	1560.6	1669.5	1726.9	1875.1	1899.3
47.5°	15693.7	14184.5	7905.8	3329.9	1923.5	1472.9	1578.7	1627.1	1678.6	1808.6	1890.3
50°	15687.7	14344.8	7872.6	3187.7	1832.8	1367.0	1542.5	1596.9	1648.3	1781.4	1814.7
52.5°	15730.0	14943.7	8178.0	2960.9	1669.5	1230.9	1421.5	1542.5	1606.0	1717.9	1787.4
55°	15708.8	15285.4	8480.5	2791.5	1439.6	1149.3	1318.6	1460.8	1551.5	1669.5	1702.7
57.5°	14347.8	13510.1	7848.4	2474.0	1191.6	1052.5	1173.5	1376.1	1491.0	1612.0	1654.4
60°	11722.6	10413.1	6472.3	1820.7	979.9	967.8	1091.8	1348.9	1397.3	1503.1	1575.7
62.5°	10833.5	9133.7	5132.4	1391.2	837.8	886.2	1007.1	1218.8	1294.5	1424.5	1491.0
65°	8477.4	6067.0	3178.7	940.6	738.0	795.4	910.4	1067.6	1191.6	1312.6	1391.2
67.5°	5020.5	3314.8	1572.7	659.3	644.2	704.7	822.6	940.6	1082.7	1215.8	1255.1
70°	2734.1	1630.2	671.4	502.1	547.4	601.9	716.8	798.4	934.5	1037.4	1103.9
72.5°	877.1	496.0	335.7	372.0	417.4	480.9	550.4	650.3	747.0	807.5	862.0
75°	211.7	208.7	238.9	260.1	302.4	350.8	408.3	459.7	535.3	592.8	641.2
77.5°	148.2	160.3	184.5	214.7	229.9	248.0	284.3	323.6	356.9	399.2	429.5
80°	114.9	124.0	142.1	157.3	172.4	187.5	205.7	220.8	242.0	269.2	284.3
82.5°	108.9	114.9	133.1	142.1	136.1	133.1	145.2	151.2	154.2	163.3	172.4
85°	9.1	0.0	6.0	21.2	51.4	75.6	81.7	81.7	78.6	84.7	84.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	12.1	9.1
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°	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6
2.5°	8178.0	8075.2	8114.5	8162.9	8093.3	7933.1	7975.4	7957.2	8120.6	8108.5	8271.8
5°	6856.4	6696.1	6714.2	6950.1	6874.5	6956.2	6792.8	6771.7	6801.9	6817.0	6844.3
7.5°	5247.4	5226.2	5407.7	5607.3	5701.0	5604.2	5444.0	5407.7	5374.4	5307.9	5459.1
10°	4282.6	4288.6	4276.5	4427.7	4533.6	4512.4	4415.7	4403.6	4340.0	4315.8	4400.5
12.5°	3822.9	3741.2	3701.9	3653.5	3735.2	3789.6	3747.3	3717.0	3720.0	3750.3	3762.4
15°	3378.3	3326.9	3242.2	3187.7	3227.1	3199.8	3184.7	3245.2	3230.1	3224.0	3296.6
17.5°	2879.2	2921.6	2915.5	2855.1	2906.5	2885.3	2882.3	2839.9	2782.5	2740.1	2764.3
20°	2549.6	2628.2	2688.7	2691.7	2719.0	2715.9	2670.6	2540.5	2498.2	2489.1	2495.1
22.5°	2431.6	2474.0	2546.6	2649.4	2649.4	2601.0	2546.6	2395.3	2356.0	2313.7	2295.5
25°	2337.9	2419.5	2513.3	2525.4	2573.8	2528.4	2440.7	2365.1	2283.4	2226.0	2226.0
27.5°	2289.5	2380.2	2449.8	2471.0	2537.5	2501.2	2410.5	2313.7	2216.9	2213.9	2162.5
30°	2268.3	2353.0	2398.4	2449.8	2480.0	2422.6	2395.3	2292.5	2195.7	2171.5	2086.8
32.5°	2204.8	2325.8	2410.5	2398.4	2422.6	2398.4	2359.0	2274.4	2165.5	2111.0	2102.0
35°	2132.2	2253.2	2343.9	2407.4	2422.6	2371.1	2346.9	2232.0	2083.8	2056.6	1962.8
37.5°	2092.9	2165.5	2277.4	2380.2	2401.4	2374.2	2292.5	2174.6	2026.4	1996.1	1914.5
40°	2044.5	2138.3	2226.0	2310.7	2374.2	2307.6	2213.9	2098.9	2032.4	1941.7	1917.5
42.5°	2008.2	2114.1	2186.7	2280.4	2353.0	2265.3	2156.4	2077.8	1984.0	1923.5	1854.0
44°	1996.1	2092.9	2141.3	2256.2	2316.7	2250.2	2159.4	2077.8	1968.9	1914.5	1854.0
45°	1953.8	2086.8	2138.3	2241.1	2292.5	2238.1	2123.1	2041.5	1962.8	1896.3	1832.8
47.5°	1911.4	2002.2	2089.9	2171.5	2207.8	2189.7	2092.9	1993.1	1899.3	1860.0	1799.5
50°	1899.3	1990.1	2071.7	2147.3	2189.7	2153.4	2065.7	1968.9	1860.0	1796.5	1745.1
52.5°	1838.8	1950.8	2041.5	2065.7	2120.1	2098.9	2032.4	1926.6	1823.7	1769.3	1726.9
55°	1751.1	1869.1	1993.1	2023.3	2102.0	2068.7	1968.9	1869.1	1781.4	1699.7	1645.3
57.5°	1717.9	1832.8	1953.8	1993.1	2041.5	1987.0	1962.8	1857.0	1717.9	1675.5	1590.8
60°	1633.2	1778.4	1878.2	1968.9	1971.9	1956.8	1914.5	1793.5	1678.6	1599.9	1539.4
62.5°	1566.6	1702.7	1781.4	1866.1	1917.5	1875.1	1832.8	1720.9	1596.9	1509.2	1439.6
65°	1469.9	1593.9	1660.4	1711.8	1769.3	1763.2	1690.7	1609.0	1478.9	1409.4	1342.8
67.5°	1321.7	1430.6	1521.3	1569.7	1606.0	1596.9	1542.5	1485.0	1351.9	1282.4	1234.0
70°	1143.2	1255.1	1312.6	1339.8	1376.1	1394.3	1351.9	1324.7	1206.7	1116.0	1070.6
72.5°	919.4	992.0	1076.7	1100.9	1116.0	1128.1	1128.1	1103.9	982.9	946.6	868.0
75°	677.5	734.9	798.4	798.4	825.7	828.7	834.7	819.6	728.9	680.5	662.3
77.5°	459.7	502.1	553.5	574.6	592.8	589.8	586.7	544.4	496.0	474.8	456.7
80°	299.4	341.8	366.0	393.2	411.3	408.3	414.3	384.1	362.9	326.6	332.7
82.5°	178.4	211.7	235.9	269.2	269.2	278.2	278.2	269.2	248.0	229.9	229.9
85°	84.7	111.9	127.0	148.2	160.3	163.3	145.2	124.0	102.8	93.8	102.8
87.5°	15.1	21.2	30.2	27.2	33.3	30.2	30.2	30.2	30.2	24.2	27.2
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: P529432

CATALOG NUMBER: GALN-SA4C-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6	9239.6
2.5°	8211.3	8362.5	8468.4	8643.8	8946.2	9188.2	9436.2	9620.7	9641.8	9696.3
5°	6944.1	7025.7	7294.9	7645.7	7893.7	8302.0	8565.2	9043.0	9221.5	9412.0
7.5°	5422.8	5555.9	5915.8	6151.7	6696.1	7207.2	7736.5	8326.2	8562.1	8589.4
10°	4572.9	4766.5	5011.5	5389.5	5685.9	6254.5	6913.8	7570.1	7833.2	7878.6
12.5°	4016.4	4264.4	4591.1	4863.3	5147.6	5643.6	6275.7	7086.2	7428.0	7633.6
15°	3481.1	3738.2	4098.1	4476.1	4727.2	5320.0	6064.0	6977.3	7421.9	7603.4
17.5°	2930.7	3169.6	3466.0	3874.3	4379.4	5044.7	6030.7	7340.3	7827.2	8038.9
20°	2458.9	2591.9	2936.7	3357.1	3989.2	4763.5	6042.8	7875.6	8589.4	8683.1
22.5°	2274.4	2304.6	2440.7	2827.8	3520.4	4476.1	6257.5	8634.7	9445.3	9753.8
25°	2132.2	2126.2	2162.5	2422.6	3178.7	4364.2	6469.2	9333.4	10394.9	10730.6
27.5°	2053.6	1993.1	1996.1	2241.1	2936.7	4182.8	6741.4	10134.8	11471.6	11619.8
30°	2014.3	2002.2	1965.9	2065.7	2673.6	3910.6	6786.8	10924.2	12106.7	12321.5
32.5°	1990.1	1872.1	1826.7	1863.0	2425.6	3614.2	6956.2	11444.4	12893.1	12799.3
35°	1869.1	1763.2	1733.0	1769.3	2250.2	3447.8	6844.3	11898.1	13482.9	13640.1
37.5°	1823.7	1730.0	1669.5	1639.2	2086.8	3308.7	6786.8	12596.7	14054.5	14432.5
40°	1781.4	1681.6	1609.0	1578.7	1959.8	3124.2	6768.6	13135.1	14713.8	14940.6
42.5°	1733.0	1669.5	1587.8	1533.4	1805.6	2939.7	6560.0	13301.4	14916.4	15161.4
44°	1717.9	1621.1	1536.4	1518.3	1745.1	2846.0	6517.6	13452.6	15091.9	15463.9
45°	1702.7	1612.0	1515.2	1491.0	1723.9	2794.6	6460.2	13488.9	15382.2	15451.8
47.5°	1660.4	1602.9	1509.2	1442.6	1678.6	2682.7	6287.8	13283.2	15085.8	15097.9
50°	1627.1	1560.6	1463.8	1333.8	1618.1	2588.9	6366.4	13207.6	14372.0	14399.3
52.5°	1590.8	1491.0	1436.6	1212.8	1518.3	2510.3	6532.7	13549.4	14453.7	14447.6
55°	1548.5	1439.6	1306.5	1110.0	1351.9	2410.5	6935.0	14223.8	15209.8	15312.6
57.5°	1482.0	1388.2	1197.7	1019.2	1161.4	2219.9	6804.9	12932.4	13994.0	14012.1
60°	1394.3	1306.5	1085.8	949.7	952.7	1751.1	6085.1	10077.4	11042.2	11305.3
62.5°	1309.6	1261.2	992.0	849.9	810.5	1394.3	5144.5	8374.6	9478.5	9696.3
65°	1209.8	1091.8	910.4	774.3	695.6	976.9	3644.4	6257.5	7394.7	7688.1
67.5°	1082.7	955.7	801.5	680.5	595.8	653.3	1881.2	3556.7	4709.0	4881.4
70°	946.6	828.7	674.4	574.6	480.9	450.6	828.7	1696.7	2573.8	2752.2
72.5°	777.3	668.4	538.3	453.7	359.9	311.5	278.2	453.7	913.4	1061.6
75°	562.5	486.9	405.3	323.6	254.1	199.6	163.3	136.1	151.2	163.3
77.5°	414.3	353.9	299.4	229.9	178.4	142.1	111.9	84.7	81.7	78.6
80°	323.6	287.3	238.9	184.5	139.1	105.9	78.6	57.5	51.4	51.4
82.5°	254.1	235.9	196.6	151.2	114.9	84.7	57.5	39.3	33.3	33.3
85°	96.8	96.8	142.1	124.0	87.7	60.5	39.3	21.2	18.1	18.1
87.5°	24.2	24.2	24.2	24.2	21.2	18.1	18.1	9.1	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)