

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: P529198

Luminaire Tested: **GALN-SA4B-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529198
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-SA4B-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 800mA 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: 16764 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

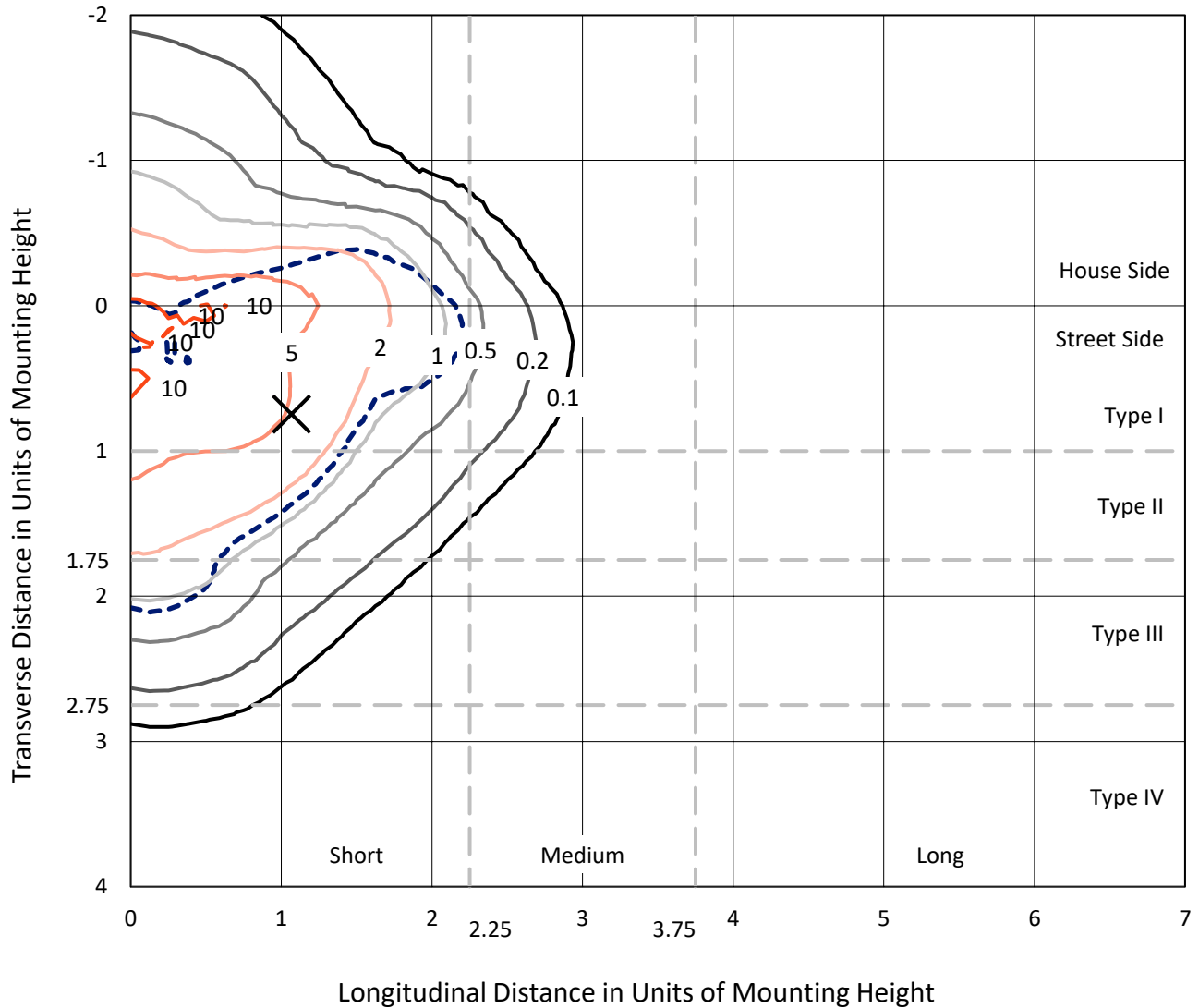
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

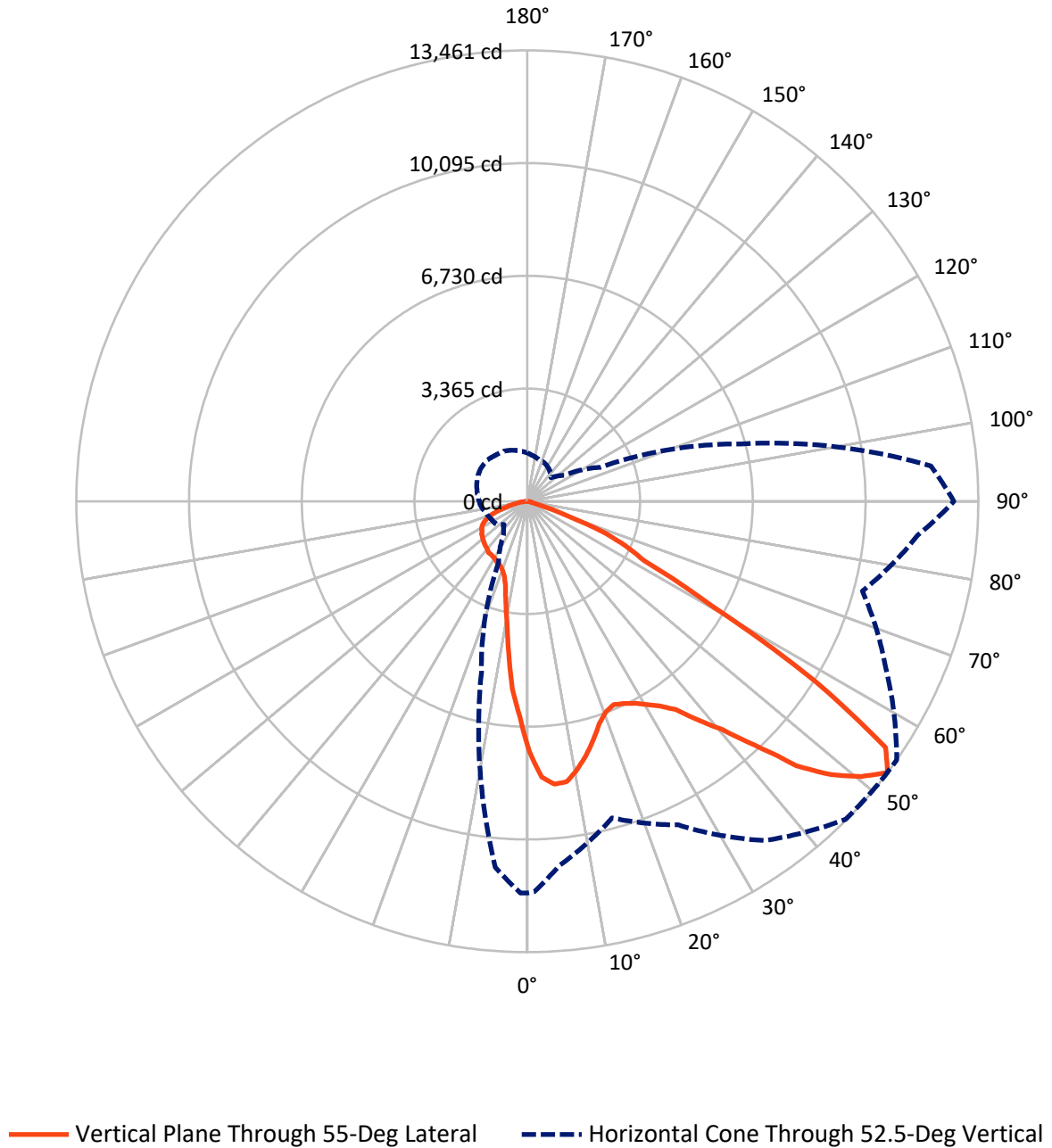
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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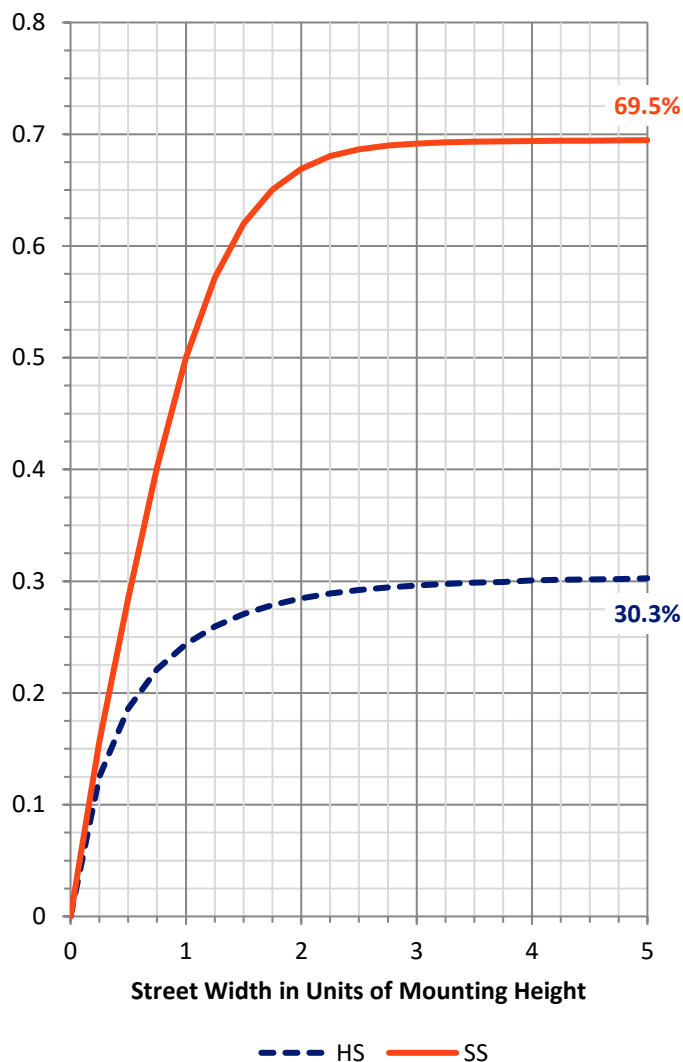
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5113.9	0.0	5113.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	11650.1	0.0	11650.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	16764.0	0.0	16764.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.3	3.4
10°-20°	1231.8	7.3
20°-30°	1867.8	11.1
30°-40°	2698.7	16.1
40°-50°	3606.2	21.5
50°-60°	4025.4	24.0
60°-70°	2208.1	13.2
70°-80°	477.4	2.8
80°-90°	77.2	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°	16764.0	100.0
0°-180°	16764.0	100.0

Coefficient of Utilization



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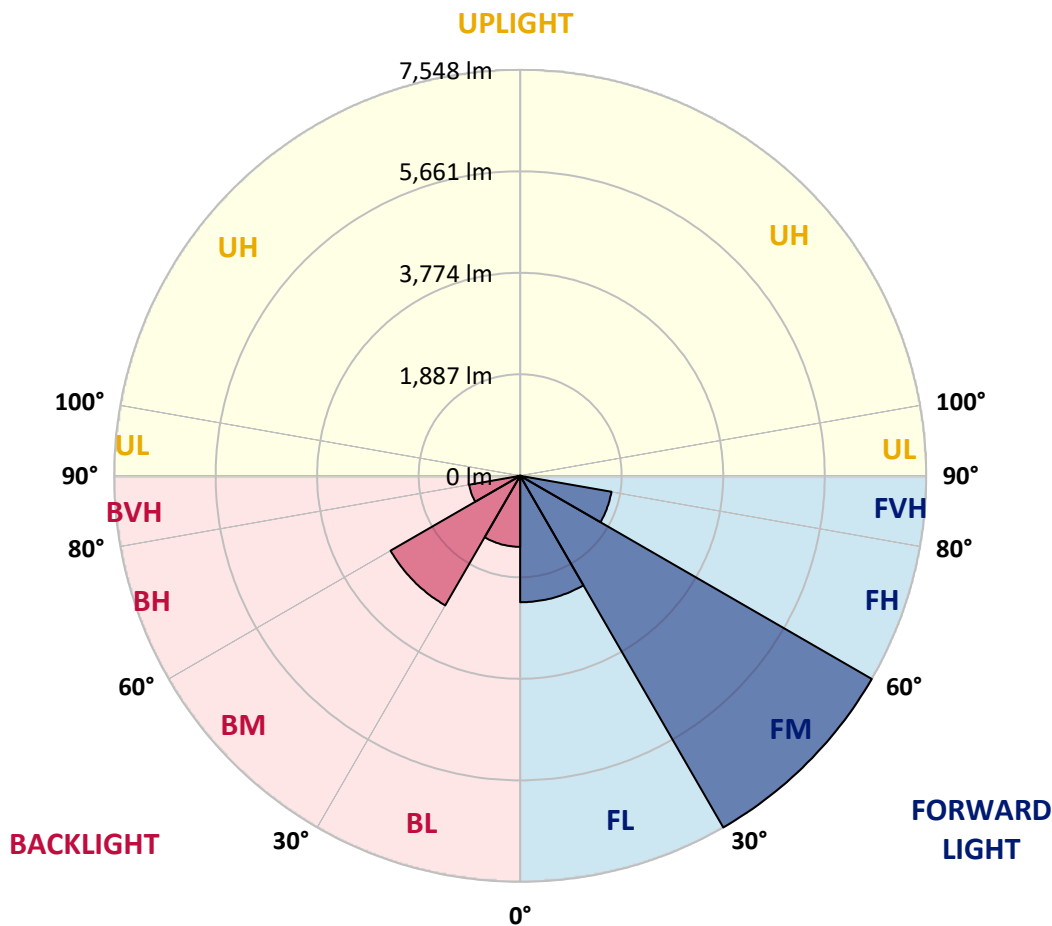
CATALOG NUMBER: GALN-SA4B-750-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2350.6	14.0			
FM (30°-60°)	7547.9	45.0			
FH (60°-80°)	1722.9	10.3			G1/1800
FVH (80°-90°)	28.6	0.2			G1/100
BL (0°-30°)	1320.3	7.9	B3/2500		
BM (30°-60°)	2782.4	16.6	B3/5000		
BH (60°-80°)	962.6	5.7	B2/1000		G2/1000
BVH (80°-90°)	48.6	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0
2.5°	7847.7	7803.6	7842.8	8028.8	8136.5	8209.9	8256.4	8249.1	8072.9	7901.5	7901.5
5°	7617.6	7561.3	7642.0	8063.1	8486.5	8523.3	8584.4	8484.1	8224.6	7911.3	7519.7
7.5°	6951.8	6993.4	7128.0	7681.2	8232.0	8508.6	8582.0	8454.7	8033.7	7448.7	6873.4
10°	6376.5	6474.4	6785.3	7382.6	7889.3	8249.1	8329.9	8151.2	7818.3	7101.1	6587.0
12.5°	6178.3	6117.1	6462.2	7059.5	7544.1	7737.5	7774.2	7786.5	7561.3	6924.8	6298.2
15°	6153.8	6192.9	6462.2	6915.0	7213.7	7223.5	7284.7	7380.1	7409.5	7044.8	6432.8
17.5°	6506.3	6459.8	6736.4	7096.2	6954.2	6812.2	6826.9	6964.0	7206.3	7147.6	6856.3
20°	7027.6	7132.9	7350.8	7314.0	6932.2	6572.4	6574.8	6704.5	7181.9	7573.5	7446.2
22.5°	7894.2	7997.0	8158.5	7715.5	6932.2	6501.4	6418.1	6594.4	7338.5	8080.2	8112.0
25°	8684.8	8873.3	8917.3	8396.0	7279.8	6567.5	6513.6	6687.4	7495.2	8574.7	8875.7
27.5°	9404.5	9473.0	9666.4	8834.1	7473.1	6611.5	6606.6	6829.4	7693.4	8821.9	9558.7
30°	9972.4	9965.0	10075.2	9110.7	7781.6	6858.7	6621.3	7042.3	7952.9	9230.7	10190.2
32.5°	10359.1	10442.3	10674.9	9495.0	7911.3	7093.7	6907.7	7292.0	8268.7	9424.0	10635.7
35°	11039.6	11184.0	10890.3	9708.0	8322.5	7326.3	7108.4	7632.3	8425.3	9634.6	11181.6
37.5°	11680.9	11570.8	11272.1	9823.0	8589.3	7757.1	7553.9	8290.7	8912.5	10092.3	11543.8
40°	12092.2	12089.7	11558.5	9916.1	8777.8	8415.5	8403.3	8959.0	9509.7	10381.1	11950.2
42.5°	12270.8	12442.2	11676.0	9906.3	9174.4	9213.5	9460.8	9957.7	9933.2	10439.9	11940.4
44°	12515.6	12618.4	11879.2	9928.3	9438.7	9752.1	10334.6	10650.4	10302.8	10408.1	11928.1
45°	12505.8	12513.2	11590.4	9957.7	9663.9	10202.4	10723.8	11257.4	10628.4	10339.5	12089.7
47.5°	12219.4	12136.2	11345.6	9739.8	10366.4	11392.1	11874.3	12197.4	11029.8	10192.7	11889.0
50°	11654.0	11558.5	10750.8	9646.8	10513.3	12131.3	12797.1	12914.6	11394.5	10048.2	11690.7
52.5°	11693.2	11666.2	10919.7	9786.3	10660.2	12363.9	13431.1	13460.5	11808.2	10351.8	11693.2
55°	12393.2	12300.2	11404.3	9960.1	10552.5	12092.2	13027.2	12975.8	11668.7	10168.2	11908.6
57.5°	11340.7	11401.9	10733.6	9272.3	9235.6	9830.4	10241.6	10114.3	9737.4	9176.8	11078.8
60°	9149.9	9323.7	9387.3	7754.6	6968.9	6662.9	6540.5	6315.3	6379.0	7539.2	9732.5
62.5°	7847.7	7837.9	8236.9	7030.1	4565.2	3926.3	3867.5	3918.9	4653.3	7421.7	9531.7
65°	6222.3	6388.8	6511.2	5958.0	3613.0	2915.3	2912.9	3238.4	4026.6	6202.7	7695.9
67.5°	3950.8	4168.6	4320.4	3811.2	2416.0	2075.7	2019.4	2411.1	2790.5	4068.3	4633.7
70°	2227.5	2330.3	2398.8	2198.1	1537.2	1077.0	1013.4	1106.4	1686.5	2633.8	2746.4
72.5°	859.2	905.7	998.7	1006.0	580.1	347.6	281.5	337.8	709.9	1042.8	993.8
75°	132.2	142.0	200.7	239.9	166.5	127.3	134.6	139.5	198.3	269.3	225.2
77.5°	63.6	63.6	61.2	71.0	83.2	90.6	97.9	107.7	117.5	129.7	124.8
80°	41.6	41.6	41.6	49.0	61.2	73.4	83.2	88.1	93.0	102.8	97.9
82.5°	26.9	26.9	26.9	36.7	49.0	61.2	66.1	78.3	88.1	102.8	95.5
85°	14.7	14.7	14.7	24.5	36.7	51.4	49.0	39.2	22.0	2.4	4.9
87.5°	4.9	4.9	4.9	4.9	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°	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0
2.5°	7695.9	7583.3	7573.5	7343.4	7137.8	7037.4	6956.7	6731.5	6780.4	6650.7	6648.2
5°	7323.8	7093.7	6721.7	6415.7	6109.7	6048.5	5781.7	5549.2	5556.5	5390.1	5419.4
7.5°	6655.6	6496.5	6043.6	5563.9	5157.5	4868.7	4616.6	4464.8	4271.4	4205.3	4171.1
10°	6232.1	6036.3	5527.1	4925.0	4469.7	4315.5	4073.1	3938.5	3740.2	3642.3	3573.8
12.5°	6046.1	5759.7	5123.3	4511.3	4207.8	4048.7	3843.1	3598.3	3363.3	3272.7	3147.9
15°	6065.7	5723.0	5005.8	4344.9	3980.1	3671.7	3488.1	3216.4	2976.5	2817.4	2726.9
17.5°	6361.8	5945.7	5059.6	4217.6	3693.7	3307.0	2947.2	2653.4	2462.5	2342.5	2313.2
20°	7061.9	6496.5	5150.2	4012.0	3407.3	2925.1	2482.1	2176.1	2029.2	2026.8	2029.2
22.5°	7644.5	7083.9	5333.8	3889.6	3120.9	2435.6	1995.0	1897.0	1867.7	1928.9	1936.2
25°	8430.2	7744.9	5649.5	3825.9	2856.6	2075.7	1804.0	1767.3	1764.9	1843.2	1845.6
27.5°	9235.6	8322.5	5838.0	3639.9	2587.3	1889.7	1689.0	1681.6	1720.8	1804.0	1796.7
30°	9783.9	8807.2	6178.3	3417.1	2269.1	1725.7	1642.5	1652.3	1706.1	1769.8	1779.6
32.5°	10422.7	9284.5	6266.4	3294.7	2073.3	1588.6	1529.9	1551.9	1620.4	1720.8	1774.7
35°	11154.6	9622.3	6401.0	3128.3	1999.9	1483.4	1454.0	1478.5	1561.7	1627.8	1686.5
37.5°	11695.6	10219.6	6425.5	2998.6	1919.1	1424.6	1378.1	1458.9	1507.8	1600.9	1630.2
40°	12097.0	10652.8	6489.1	2917.8	1855.4	1348.7	1348.7	1402.6	1468.7	1554.4	1613.1
42.5°	12354.1	10968.6	6535.6	2844.3	1733.0	1326.7	1314.5	1368.3	1456.4	1539.7	1566.6
44°	12510.7	11103.2	6489.1	2775.8	1698.8	1299.8	1299.8	1346.3	1414.8	1512.7	1544.6
45°	12549.9	11272.1	6386.3	2773.4	1657.2	1268.0	1263.1	1351.2	1397.7	1517.6	1537.2
47.5°	12701.7	11480.2	6398.6	2695.0	1556.8	1192.1	1277.8	1316.9	1358.5	1463.8	1529.9
50°	12696.8	11609.9	6371.6	2580.0	1483.4	1106.4	1248.4	1292.4	1334.1	1441.8	1468.7
52.5°	12731.0	12094.6	6618.9	2396.4	1351.2	996.3	1150.5	1248.4	1299.8	1390.4	1446.7
55°	12713.9	12371.2	6863.6	2259.3	1165.2	930.2	1067.2	1182.3	1255.7	1351.2	1378.1
57.5°	11612.4	10934.3	6352.1	2002.3	964.4	851.8	949.7	1113.8	1206.8	1304.7	1338.9
60°	9487.7	8427.8	5238.3	1473.6	793.1	783.3	883.7	1091.7	1130.9	1216.6	1275.3
62.5°	8768.0	7392.4	4153.9	1126.0	678.0	717.2	815.1	986.5	1047.7	1152.9	1206.8
65°	6861.2	4910.3	2572.6	761.3	597.3	643.8	736.8	864.1	964.4	1062.3	1126.0
67.5°	4063.4	2682.8	1272.9	533.6	521.4	570.3	665.8	761.3	876.3	984.0	1015.8
70°	2212.8	1319.4	543.4	406.3	443.1	487.1	580.1	646.2	756.4	839.6	893.4
72.5°	709.9	401.4	271.7	301.1	337.8	389.2	445.5	526.3	604.6	653.6	697.6
75°	171.3	168.9	193.4	210.5	244.8	283.9	330.5	372.1	433.3	479.8	518.9
77.5°	119.9	129.7	149.3	173.8	186.0	200.7	230.1	261.9	288.8	323.1	347.6
80°	93.0	100.4	115.0	127.3	139.5	151.8	166.5	178.7	195.8	217.9	230.1
82.5°	88.1	93.0	107.7	115.0	110.2	107.7	117.5	122.4	124.8	132.2	139.5
85°	7.3	0.0	4.9	17.1	41.6	61.2	66.1	66.1	63.6	68.5	68.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.8	7.3
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°	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0
2.5°	6618.9	6535.6	6567.5	6606.6	6550.3	6420.6	6454.9	6440.2	6572.4	6562.6	6694.7
5°	5549.2	5419.4	5434.1	5625.1	5563.9	5629.9	5497.8	5480.6	5505.1	5517.3	5539.4
7.5°	4246.9	4229.8	4376.7	4538.2	4614.1	4535.8	4406.0	4376.7	4349.7	4295.9	4418.3
10°	3466.1	3471.0	3461.2	3583.6	3669.3	3652.1	3573.8	3564.0	3512.6	3493.0	3561.6
12.5°	3094.0	3027.9	2996.1	2956.9	3023.0	3067.1	3032.8	3008.4	3010.8	3035.3	3045.1
15°	2734.2	2692.6	2624.0	2580.0	2611.8	2589.8	2577.5	2626.5	2614.3	2609.4	2668.1
17.5°	2330.3	2364.6	2359.7	2310.7	2352.3	2335.2	2332.8	2298.5	2252.0	2217.7	2237.3
20°	2063.5	2127.1	2176.1	2178.5	2200.6	2198.1	2161.4	2056.2	2021.9	2014.5	2019.4
22.5°	1968.0	2002.3	2061.1	2144.3	2144.3	2105.1	2061.1	1938.7	1906.8	1872.6	1857.9
25°	1892.2	1958.2	2034.1	2043.9	2083.1	2046.4	1975.4	1914.2	1848.1	1801.6	1801.6
27.5°	1853.0	1926.4	1982.7	1999.9	2053.7	2024.3	1950.9	1872.6	1794.2	1791.8	1750.2
30°	1835.9	1904.4	1941.1	1982.7	2007.2	1960.7	1938.7	1855.4	1777.1	1757.5	1689.0
32.5°	1784.4	1882.4	1950.9	1941.1	1960.7	1941.1	1909.3	1840.7	1752.6	1708.6	1701.2
35°	1725.7	1823.6	1897.0	1948.5	1960.7	1919.1	1899.5	1806.5	1686.5	1664.5	1588.6
37.5°	1693.9	1752.6	1843.2	1926.4	1943.6	1921.5	1855.4	1760.0	1640.0	1615.6	1549.5
40°	1654.7	1730.6	1801.6	1870.1	1921.5	1867.7	1791.8	1698.8	1644.9	1571.5	1551.9
42.5°	1625.3	1711.0	1769.8	1845.6	1904.4	1833.4	1745.3	1681.6	1605.8	1556.8	1500.5
44°	1615.6	1693.9	1733.0	1826.1	1875.0	1821.2	1747.7	1681.6	1593.5	1549.5	1500.5
45°	1581.3	1689.0	1730.6	1813.8	1855.4	1811.4	1718.4	1652.3	1588.6	1534.8	1483.4
47.5°	1547.0	1620.4	1691.4	1757.5	1786.9	1772.2	1693.9	1613.1	1537.2	1505.4	1456.4
50°	1537.2	1610.7	1676.7	1737.9	1772.2	1742.8	1671.9	1593.5	1505.4	1454.0	1412.4
52.5°	1488.3	1578.8	1652.3	1671.9	1715.9	1698.8	1644.9	1559.3	1476.0	1432.0	1397.7
55°	1417.3	1512.7	1613.1	1637.6	1701.2	1674.3	1593.5	1512.7	1441.8	1375.7	1331.6
57.5°	1390.4	1483.4	1581.3	1613.1	1652.3	1608.2	1588.6	1503.0	1390.4	1356.1	1287.5
60°	1321.8	1439.3	1520.1	1593.5	1596.0	1583.7	1549.5	1451.5	1358.5	1294.9	1245.9
62.5°	1268.0	1378.1	1441.8	1510.3	1551.9	1517.6	1483.4	1392.8	1292.4	1221.5	1165.2
65°	1189.6	1290.0	1343.8	1385.5	1432.0	1427.1	1368.3	1302.2	1197.0	1140.7	1086.8
67.5°	1069.7	1157.8	1231.2	1270.4	1299.8	1292.4	1248.4	1201.9	1094.2	1037.9	998.7
70°	925.3	1015.8	1062.3	1084.4	1113.8	1128.4	1094.2	1072.1	976.7	903.2	866.5
72.5°	744.1	802.9	871.4	891.0	903.2	913.0	913.0	893.4	795.5	766.2	702.5
75°	548.3	594.8	646.2	646.2	668.3	670.7	675.6	663.4	589.9	550.8	536.1
77.5°	372.1	406.3	447.9	465.1	479.8	477.3	474.9	440.6	401.4	384.3	369.6
80°	242.3	276.6	296.2	318.2	332.9	330.5	335.3	310.9	293.7	264.4	269.3
82.5°	144.4	171.3	190.9	217.9	217.9	225.2	225.2	217.9	200.7	186.0	186.0
85°	68.5	90.6	102.8	119.9	129.7	132.2	117.5	100.4	83.2	75.9	83.2
87.5°	12.2	17.1	24.5	22.0	26.9	24.5	24.5	24.5	24.5	19.6	22.0
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: P529198

CATALOG NUMBER: GALN-SA4B-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0	7478.0
2.5°	6645.8	6768.2	6853.9	6995.8	7240.6	7436.4	7637.1	7786.5	7803.6	7847.7
5°	5620.2	5686.2	5904.1	6188.0	6388.8	6719.2	6932.2	7318.9	7463.4	7617.6
7.5°	4388.9	4496.6	4787.9	4978.8	5419.4	5833.1	6261.5	6738.8	6929.7	6951.8
10°	3701.1	3857.7	4056.0	4362.0	4601.9	5062.1	5595.7	6126.9	6339.8	6376.5
12.5°	3250.7	3451.4	3715.8	3936.1	4166.2	4567.6	5079.2	5735.2	6011.8	6178.3
15°	2817.4	3025.5	3316.8	3622.7	3825.9	4305.7	4907.8	5647.1	6006.9	6153.8
17.5°	2371.9	2565.3	2805.2	3135.6	3544.4	4082.9	4880.9	5940.8	6334.9	6506.3
20°	1990.1	2097.8	2376.8	2717.1	3228.7	3855.3	4890.7	6374.1	6951.8	7027.6
22.5°	1840.7	1865.2	1975.4	2288.7	2849.2	3622.7	5064.5	6988.5	7644.5	7894.2
25°	1725.7	1720.8	1750.2	1960.7	2572.6	3532.2	5235.9	7553.9	8413.1	8684.8
27.5°	1662.1	1613.1	1615.6	1813.8	2376.8	3385.3	5456.2	8202.6	9284.5	9404.5
30°	1630.2	1620.4	1591.1	1671.9	2163.9	3165.0	5492.9	8841.5	9798.6	9972.4
32.5°	1610.7	1515.2	1478.5	1507.8	1963.1	2925.1	5629.9	9262.5	10435.0	10359.1
35°	1512.7	1427.1	1402.6	1432.0	1821.2	2790.5	5539.4	9629.7	10912.3	11039.6
37.5°	1476.0	1400.1	1351.2	1326.7	1689.0	2677.9	5492.9	10195.1	11374.9	11680.9
40°	1441.8	1361.0	1302.2	1277.8	1586.2	2528.6	5478.2	10630.8	11908.6	12092.2
42.5°	1402.6	1351.2	1285.1	1241.0	1461.3	2379.3	5309.3	10765.4	12072.6	12270.8
44°	1390.4	1312.0	1243.5	1228.8	1412.4	2303.4	5275.0	10887.8	12214.5	12515.6
45°	1378.1	1304.7	1226.3	1206.8	1395.2	2261.8	5228.5	10917.2	12449.5	12505.8
47.5°	1343.8	1297.3	1221.5	1167.6	1358.5	2171.2	5089.0	10750.8	12209.6	12219.4
50°	1316.9	1263.1	1184.7	1079.5	1309.6	2095.3	5152.6	10689.6	11632.0	11654.0
52.5°	1287.5	1206.8	1162.7	981.6	1228.8	2031.7	5287.3	10966.2	11698.1	11693.2
55°	1253.3	1165.2	1057.5	898.3	1094.2	1950.9	5612.8	11512.0	12310.0	12393.2
57.5°	1199.4	1123.5	969.3	824.9	940.0	1796.7	5507.6	10466.8	11326.0	11340.7
60°	1128.4	1057.5	878.8	768.6	771.1	1417.3	4925.0	8156.1	8936.9	9149.9
62.5°	1059.9	1020.7	802.9	687.8	656.0	1128.4	4163.7	6778.0	7671.4	7847.7
65°	979.1	883.7	736.8	626.6	563.0	790.6	2949.6	5064.5	5984.9	6222.3
67.5°	876.3	773.5	648.7	550.8	482.2	528.7	1522.5	2878.6	3811.2	3950.8
70°	766.2	670.7	545.9	465.1	389.2	364.7	670.7	1373.2	2083.1	2227.5
72.5°	629.1	541.0	435.7	367.2	291.3	252.1	225.2	367.2	739.2	859.2
75°	455.3	394.1	328.0	261.9	205.6	161.6	132.2	110.2	122.4	132.2
77.5°	335.3	286.4	242.3	186.0	144.4	115.0	90.6	68.5	66.1	63.6
80°	261.9	232.5	193.4	149.3	112.6	85.7	63.6	46.5	41.6	41.6
82.5°	205.6	190.9	159.1	122.4	93.0	68.5	46.5	31.8	26.9	26.9
85°	78.3	78.3	115.0	100.4	71.0	49.0	31.8	17.1	14.7	14.7
87.5°	19.6	19.6	19.6	19.6	17.1	14.7	14.7	7.3	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)