

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: P526392

Luminaire Tested: **GALN-SA1B-750-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-750-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4288 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

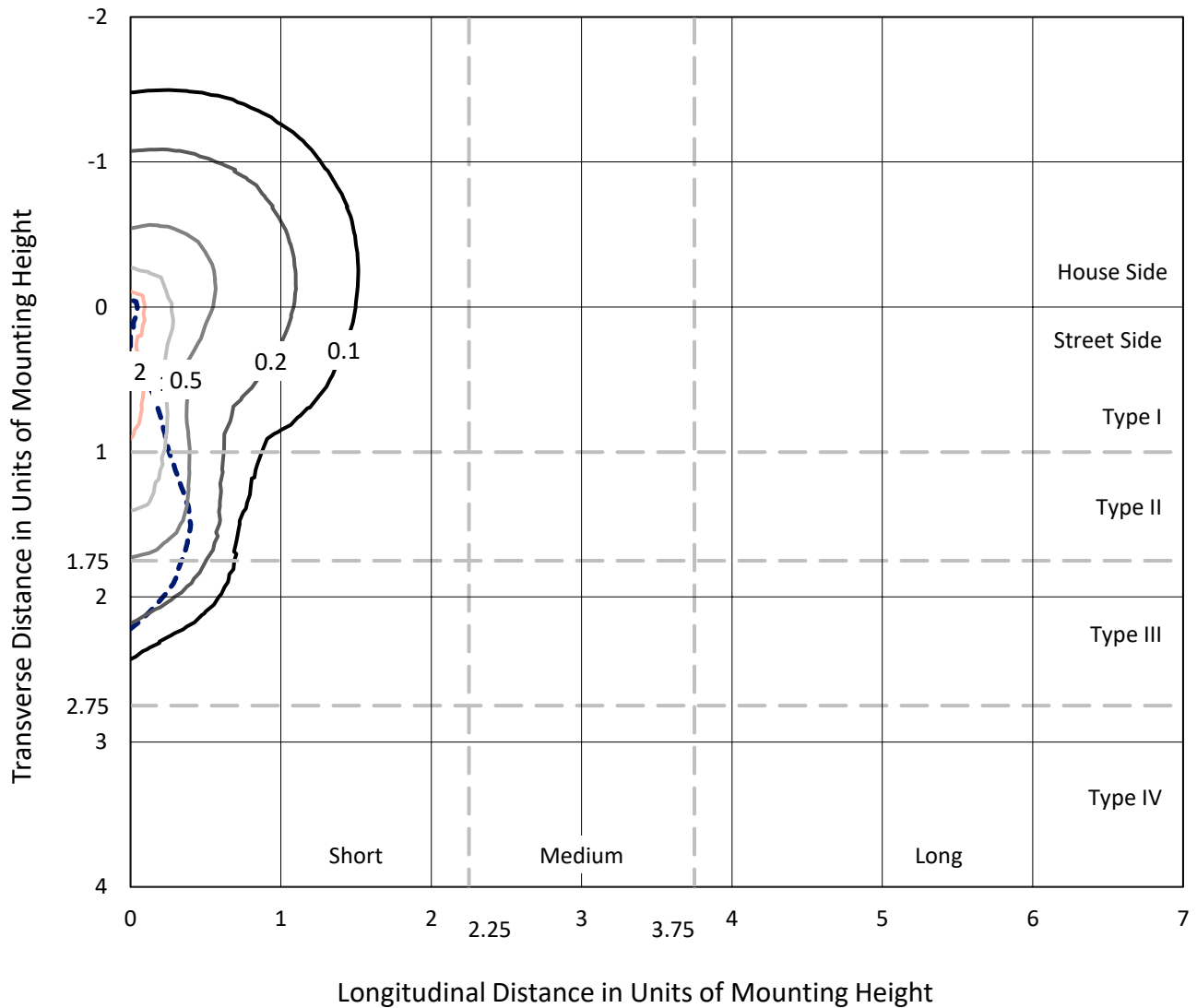
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

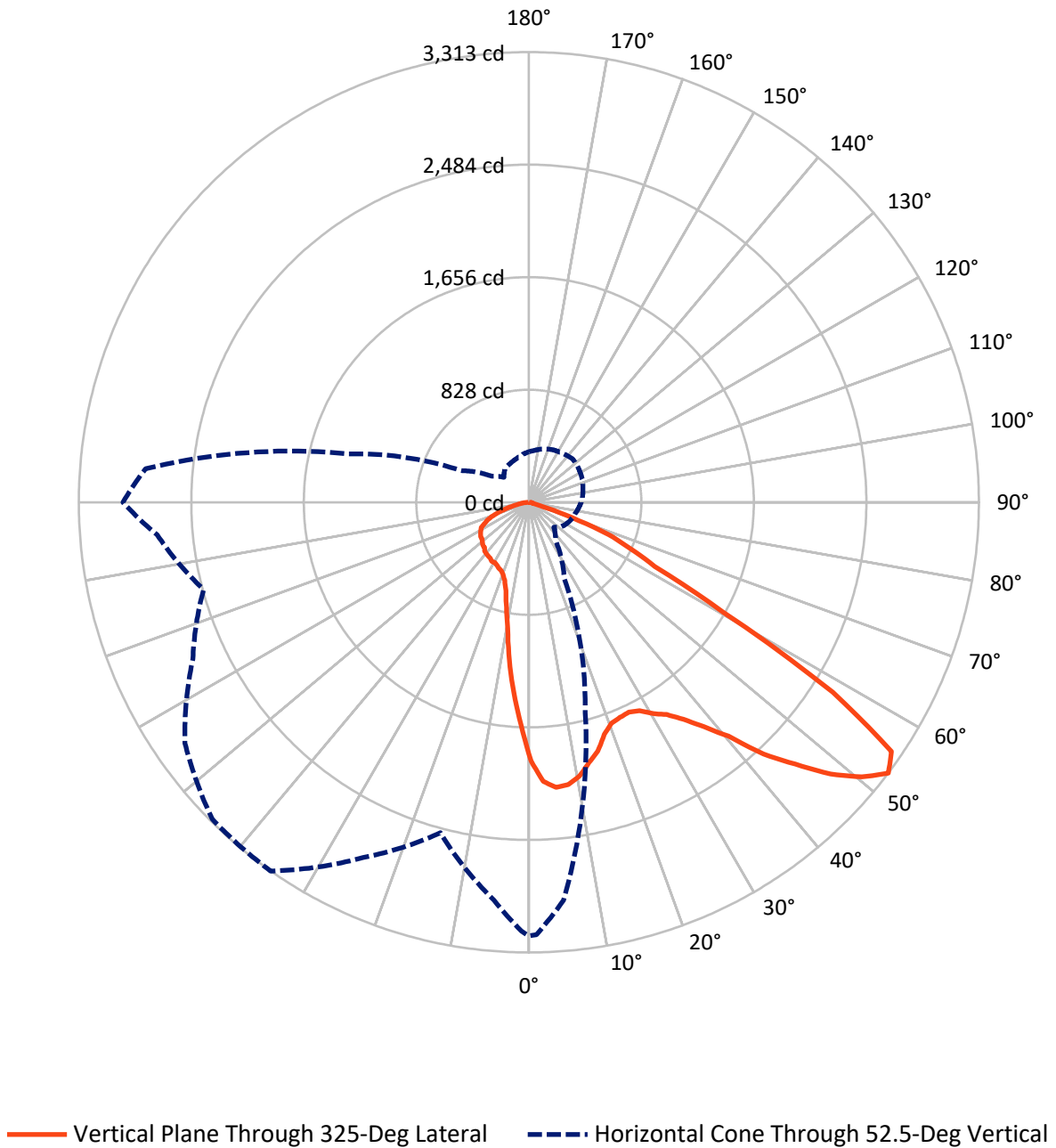
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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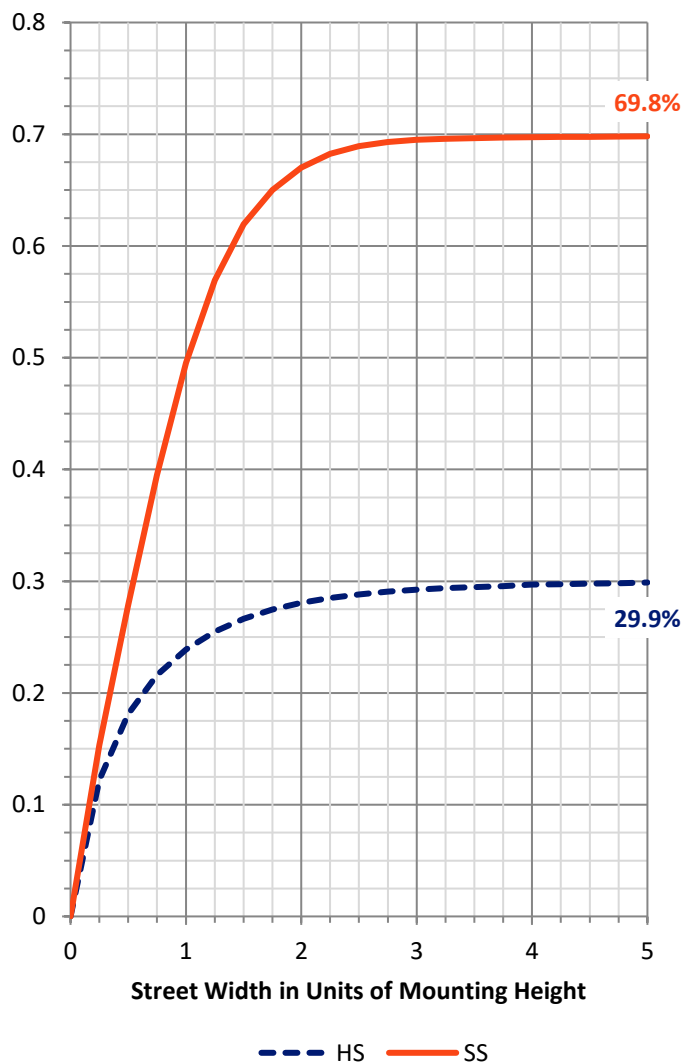
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1292.7	0.0	1292.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2995.3	0.0	2995.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	4288.0	0.0	4288.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.2	3.4
10°-20°	314.7	7.3
20°-30°	475.5	11.1
30°-40°	687.2	16.0
40°-50°	914.5	21.3
50°-60°	1022.9	23.9
60°-70°	576.5	13.4
70°-80°	128.5	3.0
80°-90°	22.9	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°	4288.0	100.0
0°-180°	4288.0	100.0

Coefficient of Utilization



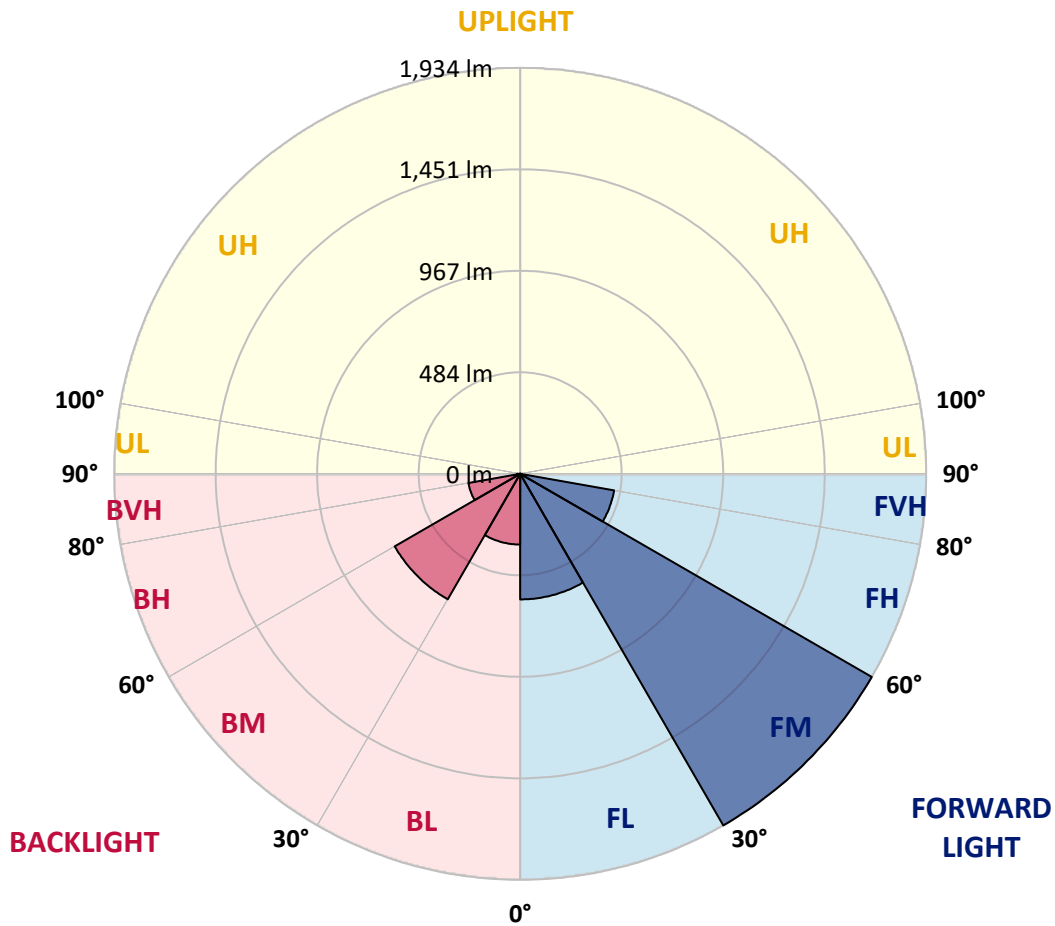
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.4	14.0			
FM (30°-60°)	1934.2	45.1			
FH (60°-80°)	454.5	10.6			G0/660
FVH (80°-90°)	8.3	0.2			G0/10
BL (0°-30°)	337.1	7.9	B1/500		
BM (30°-60°)	690.4	16.1	B1/1000		
BH (60°-80°)	250.6	5.8	B1/500		G1/500
BVH (80°-90°)	14.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0
2.5°	1934.7	1965.8	1932.3	1872.6	1830.3	1791.8	1751.4	1743.3	1690.5	1681.2	1642.6
5°	1824.7	1817.9	1776.9	1698.6	1612.2	1533.9	1476.1	1420.1	1382.2	1338.1	1335.0
7.5°	1691.1	1651.3	1627.7	1509.0	1402.1	1279.1	1226.2	1141.1	1114.4	1074.6	1054.1
10°	1571.8	1542.6	1487.3	1368.5	1219.4	1138.0	1081.4	1035.4	1004.3	963.3	911.7
12.5°	1512.7	1500.9	1438.8	1254.8	1144.2	1057.2	1017.4	972.7	919.8	853.9	828.5
15°	1523.3	1483.5	1436.3	1233.1	1080.2	996.3	932.9	876.9	809.2	746.4	709.8
17.5°	1602.2	1571.8	1477.3	1246.7	1055.9	934.7	819.8	737.1	676.2	619.6	594.2
20°	1757.6	1713.5	1607.2	1264.1	1003.7	849.0	717.2	615.3	550.0	520.2	511.5
22.5°	1929.8	1903.7	1734.0	1303.3	962.1	769.4	608.5	506.5	482.3	474.2	490.4
25°	2139.2	2071.5	1931.0	1367.3	929.8	701.7	516.5	459.9	447.5	455.6	474.2
27.5°	2298.3	2280.3	2069.0	1427.6	885.6	620.3	464.9	427.6	431.3	439.4	456.8
30°	2487.3	2395.9	2202.6	1469.2	845.9	564.3	428.8	418.9	422.6	436.3	445.0
32.5°	2601.0	2566.8	2286.5	1532.0	799.9	515.8	400.9	391.5	397.1	417.6	438.2
35°	2745.8	2678.1	2390.3	1548.2	767.6	496.6	381.0	374.1	387.2	401.5	424.5
37.5°	2914.8	2868.2	2533.9	1537.0	750.2	476.7	364.2	361.1	370.4	390.3	417.0
40°	3014.9	3000.6	2609.1	1543.8	722.8	459.3	344.9	348.7	367.9	383.5	409.6
42.5°	3111.2	3018.0	2720.3	1541.3	705.4	435.7	346.8	342.4	357.4	375.4	400.2
45°	3132.4	3039.8	2746.4	1523.9	684.3	412.7	332.5	334.4	352.4	374.8	390.9
47.5°	3118.7	3050.3	2794.9	1519.0	664.4	396.5	311.4	333.7	344.3	362.3	385.3
50°	3109.4	3105.6	2835.9	1542.6	637.7	371.0	285.9	325.7	336.2	354.3	379.1
52.5°	3191.4	3183.3	2938.5	1604.7	616.5	343.7	259.8	305.2	330.6	348.0	372.3
55°	3241.1	3205.7	3114.3	1681.2	581.1	307.6	241.8	279.7	317.0	332.5	357.4
57.5°	2915.5	2891.2	2817.3	1569.3	521.4	260.4	219.4	253.6	298.3	322.6	348.0
60°	2425.7	2387.8	2198.3	1333.7	384.7	202.6	205.7	233.1	293.3	302.7	332.5
62.5°	2287.1	2193.3	1935.4	1073.3	295.2	174.0	184.6	214.4	267.2	282.8	312.6
65°	1814.8	1745.2	1384.7	775.0	197.6	151.0	168.4	193.3	230.6	261.0	288.4
67.5°	1136.1	1069.6	739.0	366.7	138.0	129.3	150.4	176.5	207.0	234.3	264.8
70°	593.5	520.8	341.2	132.4	95.1	105.7	125.5	150.4	180.2	202.6	226.2
72.5°	221.3	179.6	111.2	57.2	65.9	80.8	101.9	119.9	141.1	168.4	181.5
75°	34.2	29.2	28.6	34.8	44.7	58.4	72.7	90.7	109.4	126.8	135.5
77.5°	16.2	15.5	17.4	23.0	29.8	41.6	52.8	70.2	85.1	96.3	101.3
80°	10.6	9.9	11.2	15.5	22.4	31.1	42.3	54.1	67.7	77.1	75.8
82.5°	6.2	6.8	6.8	10.6	15.5	22.4	30.5	41.0	50.3	58.4	53.4
85°	3.7	3.1	3.1	6.2	10.6	18.0	25.5	17.4	18.0	18.0	20.5
87.5°	1.2	1.2	1.2	0.6	1.2	1.2	1.9	3.1	3.7	4.4	5.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0
2.5°	1641.4	1660.7	1653.8	1629.6	1648.2	1651.3	1638.9	1681.8	1689.9	1676.8	1680.5
5°	1330.6	1335.6	1346.8	1370.4	1387.2	1407.1	1407.1	1408.3	1391.5	1433.8	1421.4
7.5°	1036.7	1039.8	1052.8	1103.2	1117.5	1155.4	1171.5	1160.3	1126.8	1112.5	1124.3
10°	895.0	876.9	872.6	878.8	911.1	927.3	941.0	937.2	931.6	920.4	908.0
12.5°	800.5	787.4	776.9	762.0	763.8	779.4	789.9	781.2	783.7	786.2	789.9
15°	697.9	688.6	683.0	660.7	658.2	668.7	672.5	677.4	686.8	687.4	683.0
17.5°	589.2	581.1	593.5	606.0	597.3	597.9	604.7	609.1	606.6	595.4	589.8
20°	514.6	523.3	535.7	547.5	556.9	562.5	564.9	558.1	550.0	527.0	526.4
22.5°	492.9	504.0	514.6	532.6	541.3	555.6	542.6	527.0	515.8	504.7	491.6
25°	476.7	486.0	507.1	514.0	530.8	542.6	533.2	517.7	498.4	482.3	472.3
27.5°	464.9	475.4	489.1	507.8	520.8	527.7	518.3	512.1	492.2	473.0	458.7
30°	457.4	468.6	493.5	509.0	520.2	525.8	509.6	502.2	487.9	471.7	459.3
32.5°	452.5	462.4	483.5	503.4	510.9	510.9	513.4	504.7	484.8	457.4	446.9
35°	436.3	450.0	467.4	490.4	504.0	512.1	499.7	489.7	476.7	448.7	429.5
37.5°	427.0	436.3	458.7	480.4	492.2	500.9	496.0	478.6	461.2	438.2	422.6
40°	417.0	431.9	451.8	472.3	485.4	494.1	490.4	469.9	448.7	427.0	416.4
42.5°	410.2	420.1	440.6	463.6	479.2	496.0	484.8	459.3	444.4	414.5	402.7
45°	404.6	420.8	442.5	451.8	468.0	485.4	465.5	450.0	432.6	410.8	400.9
47.5°	397.8	412.7	427.0	451.8	459.3	467.4	463.6	438.8	423.9	400.2	393.4
50°	395.3	400.9	427.0	440.6	451.2	459.3	449.3	430.7	416.4	392.2	377.3
52.5°	385.3	395.9	412.7	430.7	443.8	453.7	437.5	425.7	406.5	381.0	371.7
55°	372.9	379.1	408.9	427.6	434.4	441.3	435.1	415.8	395.9	369.8	360.5
57.5°	356.7	371.0	395.3	421.4	430.1	433.8	423.9	408.3	383.5	360.5	345.6
60°	340.0	354.9	381.6	402.7	411.4	425.1	410.2	400.9	372.3	346.8	330.6
62.5°	323.2	340.0	359.8	386.6	394.0	399.6	395.9	382.8	359.8	331.3	311.4
65°	303.3	315.7	340.6	354.3	359.2	372.3	359.2	354.3	333.7	306.4	289.6
67.5°	273.5	284.0	305.8	318.8	322.6	328.2	327.5	321.9	298.9	280.3	265.4
70°	239.3	248.6	262.3	277.8	279.7	286.5	280.3	279.1	264.1	238.7	230.6
72.5°	192.0	200.7	218.8	225.6	226.2	228.7	225.6	221.3	217.5	190.8	182.7
75°	147.3	152.3	161.0	167.2	167.2	170.3	168.4	164.1	154.1	137.4	129.3
77.5°	102.5	107.5	118.7	122.4	121.8	123.1	117.5	113.1	98.2	89.5	82.7
80°	74.6	77.7	83.3	85.8	86.4	88.3	81.4	77.7	69.0	59.0	55.9
82.5°	54.1	55.9	56.6	59.7	59.7	56.6	54.7	51.0	44.7	38.5	36.0
85°	22.4	23.0	23.6	27.3	28.0	33.6	31.1	29.2	25.5	21.8	19.9
87.5°	5.6	6.2	8.1	6.8	8.1	8.1	8.7	9.9	9.9	8.1	8.1
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°	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0
2.5°	1694.8	1699.8	1763.2	1771.3	1802.4	1834.1	1898.1	1944.1	1981.4	2005.6	2012.4
5°	1434.4	1466.1	1495.3	1542.6	1585.5	1646.4	1716.6	1803.6	1913.0	1968.9	1991.3
7.5°	1123.1	1160.3	1202.6	1248.6	1311.4	1420.8	1514.6	1615.3	1755.1	1812.9	1900.6
10°	916.7	958.4	1014.3	1049.7	1125.5	1230.0	1339.3	1455.6	1589.2	1672.5	1773.8
12.5°	810.4	844.6	896.2	970.8	1027.3	1095.1	1176.5	1323.2	1514.6	1593.5	1663.1
15°	693.0	730.9	790.6	873.2	941.0	1021.8	1113.1	1272.8	1476.7	1598.5	1657.5
17.5°	596.0	623.4	686.1	757.6	835.3	923.6	1054.7	1270.4	1516.5	1672.5	1768.8
20°	528.9	532.6	566.8	627.7	733.4	848.4	1018.6	1257.9	1643.9	1799.9	1921.7
22.5°	486.6	482.9	483.5	535.1	609.1	774.4	962.1	1300.2	1788.7	2002.5	2084.5
25°	465.5	455.6	449.3	460.5	527.7	686.8	919.2	1356.1	1944.7	2169.7	2270.3
27.5°	454.3	436.9	424.5	426.4	475.4	642.6	892.5	1380.4	2099.4	2402.7	2438.2
30°	450.0	428.2	410.2	404.0	436.3	581.1	835.3	1422.0	2238.0	2530.8	2561.2
32.5°	434.4	407.7	390.3	384.7	397.8	527.0	794.3	1451.8	2360.5	2670.0	2659.4
35°	416.4	394.0	372.3	361.7	371.0	492.2	761.3	1437.5	2504.7	2778.1	2772.5
37.5°	414.5	385.3	367.3	349.9	349.3	449.3	716.6	1451.2	2596.6	2972.0	2895.6
40°	398.4	379.7	356.1	341.8	333.7	427.6	673.1	1418.9	2731.5	3050.3	2975.1
42.5°	399.0	371.0	350.5	333.7	325.7	395.9	643.3	1410.2	2778.7	3177.7	3012.4
45°	389.1	361.7	344.3	324.4	320.1	371.7	614.7	1369.8	2862.0	3184.0	2965.8
47.5°	379.1	354.9	336.2	312.6	302.7	363.0	592.3	1336.2	2818.5	3125.5	2901.2
50°	372.3	344.3	326.9	310.1	282.2	348.0	563.1	1328.2	2757.6	3046.6	2781.2
52.5°	360.5	335.6	317.6	304.5	259.8	334.4	551.9	1375.4	2832.2	2987.6	2746.4
55°	349.3	323.8	300.8	275.3	241.1	298.3	520.8	1419.5	2940.9	3123.7	2904.3
57.5°	337.5	313.2	288.4	257.9	223.1	261.0	488.5	1427.6	2737.1	2886.9	2757.0
60°	321.9	290.9	272.2	232.4	203.9	216.3	387.2	1258.5	2123.1	2410.8	2415.2
62.5°	304.5	271.0	254.8	208.2	184.0	186.5	315.7	1057.8	1722.2	1995.6	2114.4
65°	281.5	249.2	230.0	192.7	169.7	161.6	231.2	775.0	1308.3	1619.0	1753.9
67.5°	251.7	221.3	197.0	167.8	151.6	138.6	157.9	436.3	772.5	1087.0	1128.0
70°	220.0	193.9	168.4	144.2	126.2	116.8	115.6	193.3	369.2	584.8	665.6
72.5°	173.4	154.8	134.2	116.2	104.4	90.7	82.7	80.2	124.9	238.0	328.8
75°	124.3	108.8	97.0	85.1	76.4	69.0	62.8	57.2	52.2	59.7	82.0
77.5°	78.3	72.7	63.4	60.3	55.3	53.4	51.0	47.9	44.1	41.6	41.6
80°	52.8	49.1	46.0	45.4	43.5	42.9	43.5	40.4	36.7	33.6	34.8
82.5°	35.4	34.8	34.2	33.6	34.2	34.8	36.0	35.4	32.3	30.5	31.1
85°	21.1	22.4	23.6	24.9	27.3	24.2	19.9	16.8	14.9	13.7	13.1
87.5°	8.1	11.2	9.9	9.3	9.9	9.3	8.7	8.1	6.8	6.2	6.2
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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CATALOG NUMBER: GALN-SA1B-750-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0
2.5°	2057.8	2070.2	2080.8	2078.3	2056.6	2027.3	2015.5	1955.2	1942.8	1934.7
5°	2085.8	2157.9	2173.4	2164.1	2107.5	2036.0	1966.4	1878.2	1826.6	1824.7
7.5°	2034.2	2123.1	2151.0	2172.2	2096.9	1972.6	1853.3	1720.9	1688.6	1691.1
10°	1903.0	2044.7	2113.7	2135.5	2049.1	1941.6	1776.3	1642.0	1573.0	1571.8
12.5°	1830.3	1941.6	1960.8	1991.3	1965.8	1857.0	1731.5	1581.1	1514.0	1512.7
15°	1765.7	1839.0	1844.6	1887.5	1901.2	1827.8	1743.3	1583.0	1528.9	1523.3
17.5°	1822.2	1771.3	1750.2	1755.7	1796.1	1822.9	1811.7	1688.6	1633.3	1602.2
20°	1860.2	1746.4	1682.4	1688.6	1736.5	1834.1	1913.6	1841.5	1753.9	1757.6
22.5°	1961.5	1750.2	1650.1	1643.3	1719.1	1892.5	2028.6	2034.8	1950.3	1929.8
25°	2113.1	1793.0	1640.1	1638.3	1711.0	1955.2	2162.8	2263.5	2177.1	2139.2
27.5°	2234.9	1860.2	1671.2	1677.4	1736.5	2006.2	2277.2	2410.8	2344.9	2298.3
30°	2341.8	1929.8	1714.7	1686.1	1804.8	2032.9	2326.3	2578.6	2525.8	2487.3
32.5°	2385.9	2028.6	1783.7	1736.5	1861.4	2065.3	2428.2	2741.4	2696.1	2601.0
35°	2460.5	2083.9	1821.0	1817.3	1960.2	2142.9	2476.1	2849.0	2830.3	2745.8
37.5°	2520.2	2139.8	1953.4	1912.4	2095.7	2273.5	2553.1	2997.5	2954.6	2914.8
40°	2566.2	2239.9	2077.1	2131.1	2262.3	2392.2	2624.0	3006.8	3130.5	3014.9
42.5°	2523.9	2329.4	2280.3	2409.6	2533.9	2527.7	2632.1	3078.9	3171.5	3111.2
45°	2513.4	2481.0	2601.6	2719.1	2747.7	2640.1	2574.3	2999.4	3159.1	3132.4
47.5°	2487.9	2630.2	2840.3	3031.7	2988.2	2715.3	2505.3	2985.1	3166.6	3118.7
50°	2479.2	2662.5	3016.8	3203.2	3177.1	2780.6	2473.0	2893.1	3113.7	3109.4
52.5°	2478.6	2729.0	3090.1	3296.4	3312.6	2883.8	2517.1	2939.7	3154.7	3191.4
55°	2506.5	2707.9	3080.8	3244.9	3238.6	2837.8	2522.1	2970.8	3205.1	3241.1
57.5°	2364.2	2425.7	2542.6	2672.5	2638.9	2350.5	2252.3	2746.4	2941.6	2915.5
60°	2041.6	1849.0	1717.2	1711.0	1645.7	1555.6	1843.4	2451.2	2451.2	2425.7
62.5°	1788.1	1213.8	1042.9	994.4	1041.0	1144.8	1778.1	2384.1	2316.3	2287.1
65°	1563.7	926.7	753.9	740.2	821.0	977.6	1607.8	2031.1	1911.7	1814.8
67.5°	1006.2	678.7	560.6	536.4	633.9	717.8	1070.2	1249.2	1174.0	1136.1
70°	648.8	441.9	312.0	292.7	330.6	442.5	683.7	728.4	619.0	593.5
72.5°	307.0	190.8	109.4	90.1	101.3	169.0	270.4	290.9	241.8	221.3
75°	97.6	70.2	44.7	38.5	36.7	43.5	62.2	47.9	34.8	34.2
77.5°	43.5	41.6	35.4	29.8	26.1	21.8	18.0	14.9	15.5	16.2
80°	36.0	32.9	29.2	26.1	21.8	16.8	13.1	9.9	9.9	10.6
82.5°	31.7	28.6	25.5	21.8	18.6	13.7	9.9	6.8	6.2	6.2
85°	13.7	16.2	17.4	18.6	14.9	11.2	6.8	4.4	3.7	3.7
87.5°	5.6	5.0	4.4	3.7	3.1	3.1	2.5	1.9	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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