

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: P530942

Luminaire Tested: **GALN-SA6B-722-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530942
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-SA6B-722-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH 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: 18473 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

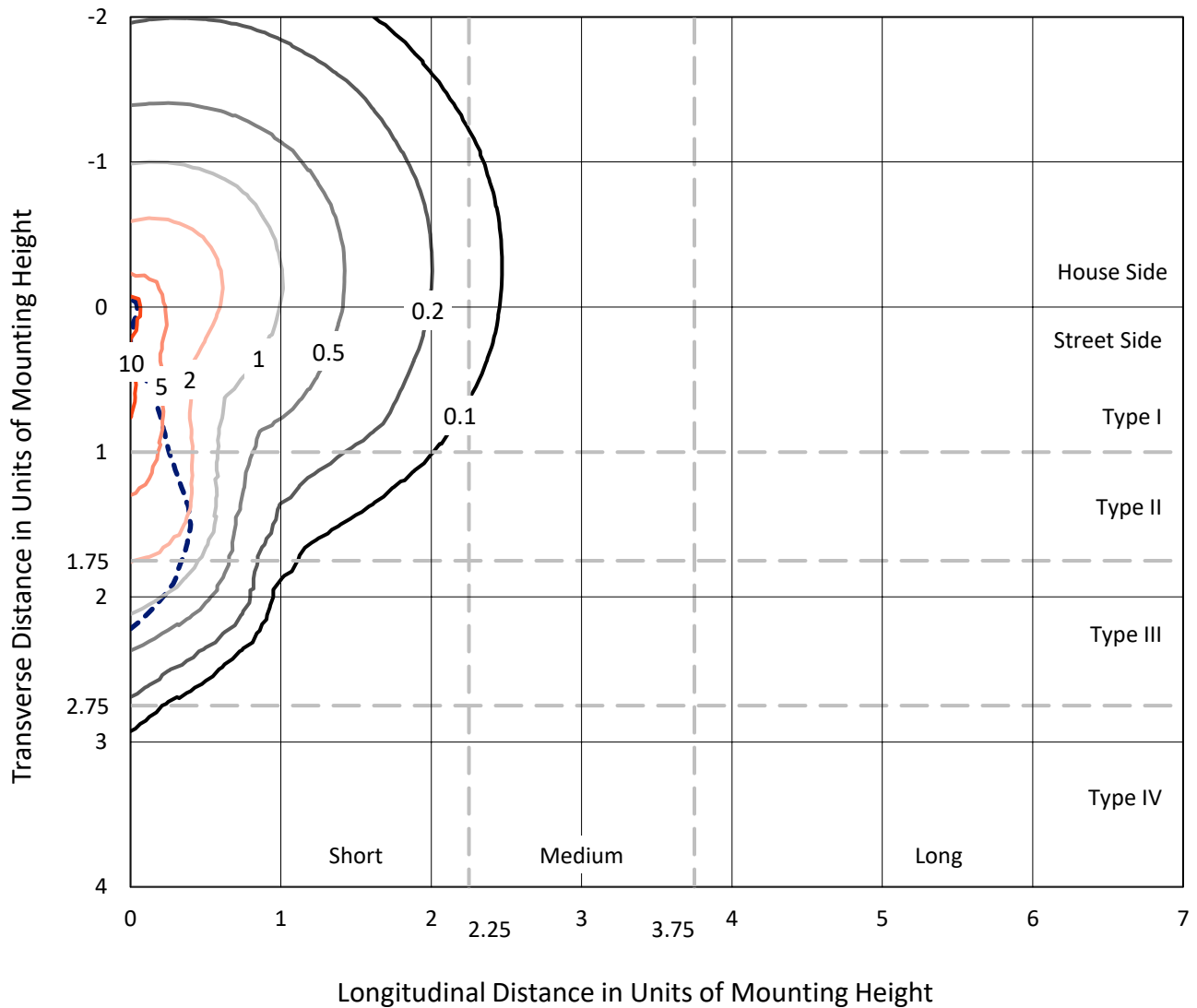
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

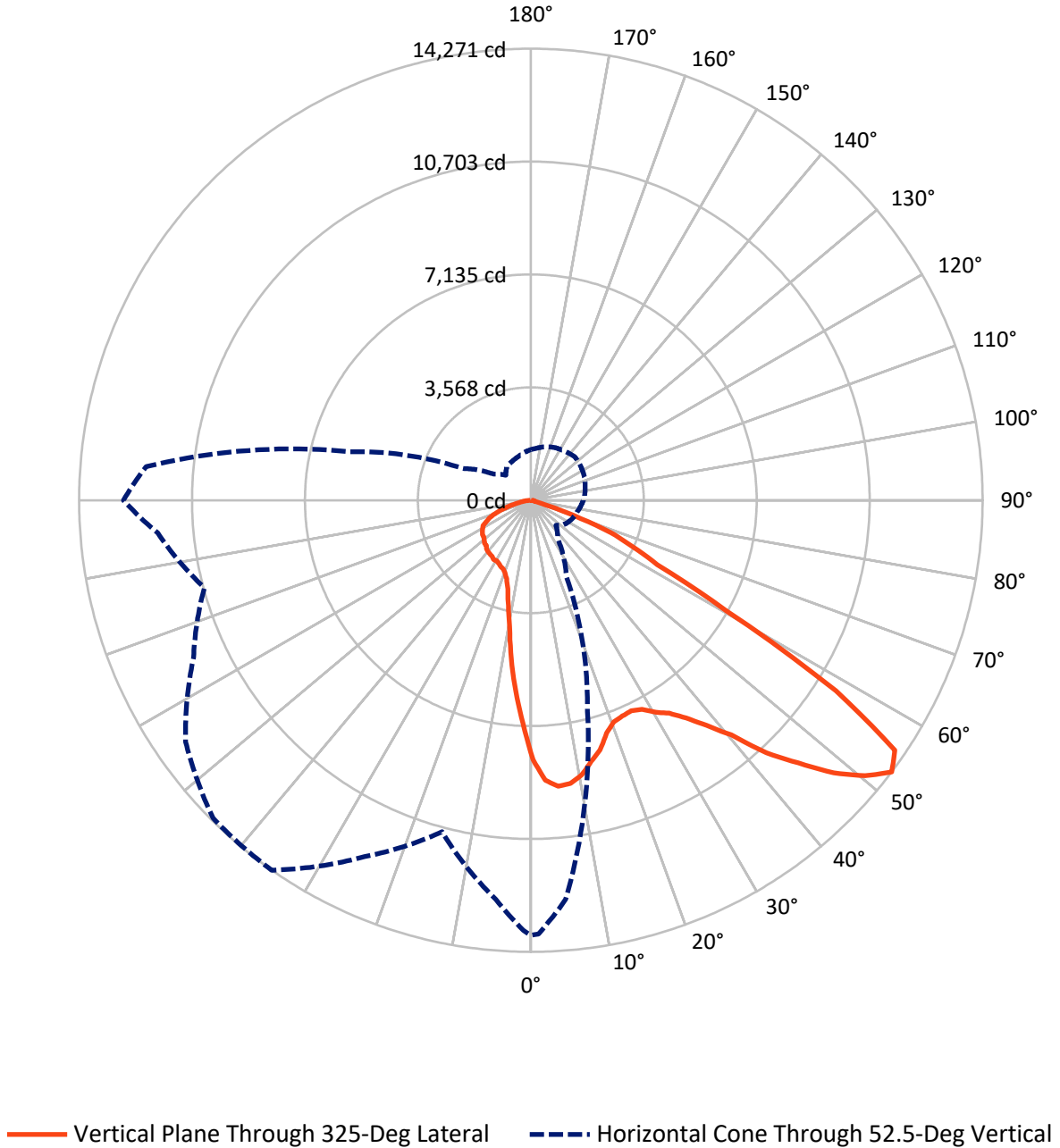
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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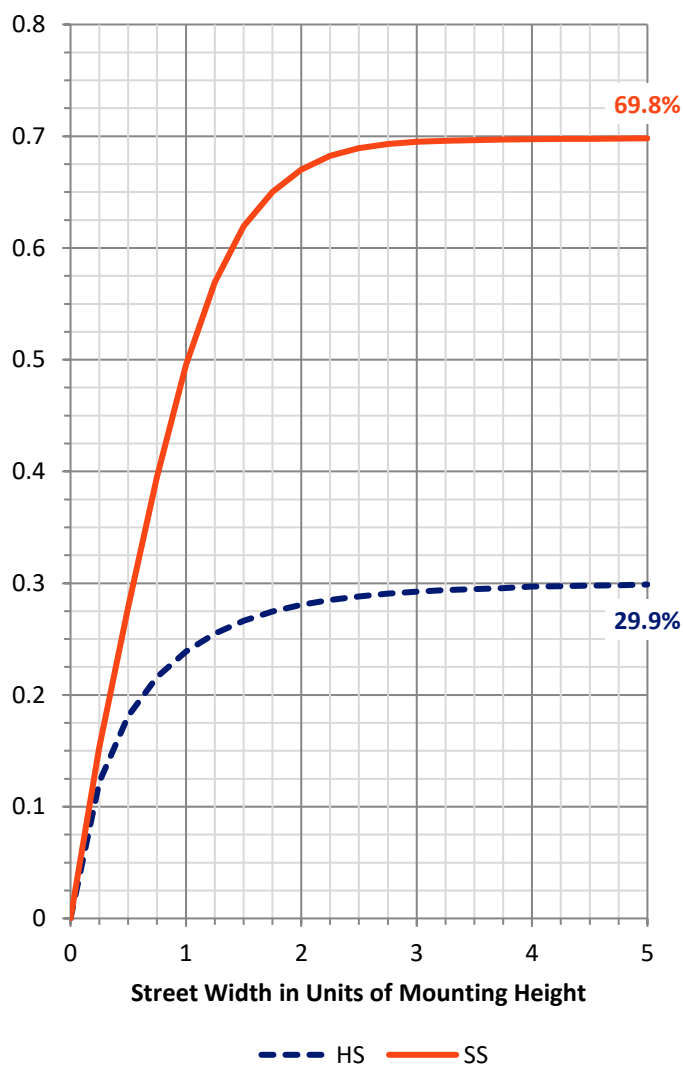
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5568.8	0.0	5568.8
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	12904.2	0.0	12904.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	18473.0	0.0	18473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.5	3.4
10°-20°	1355.9	7.3
20°-30°	2048.7	11.1
30°-40°	2960.4	16.0
40°-50°	3939.8	21.3
50°-60°	4406.8	23.9
60°-70°	2483.6	13.4
70°-80°	553.6	3.0
80°-90°	98.6	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°	18473.0	100.0
0°-180°	18473.0	100.0

Coefficient of Utilization



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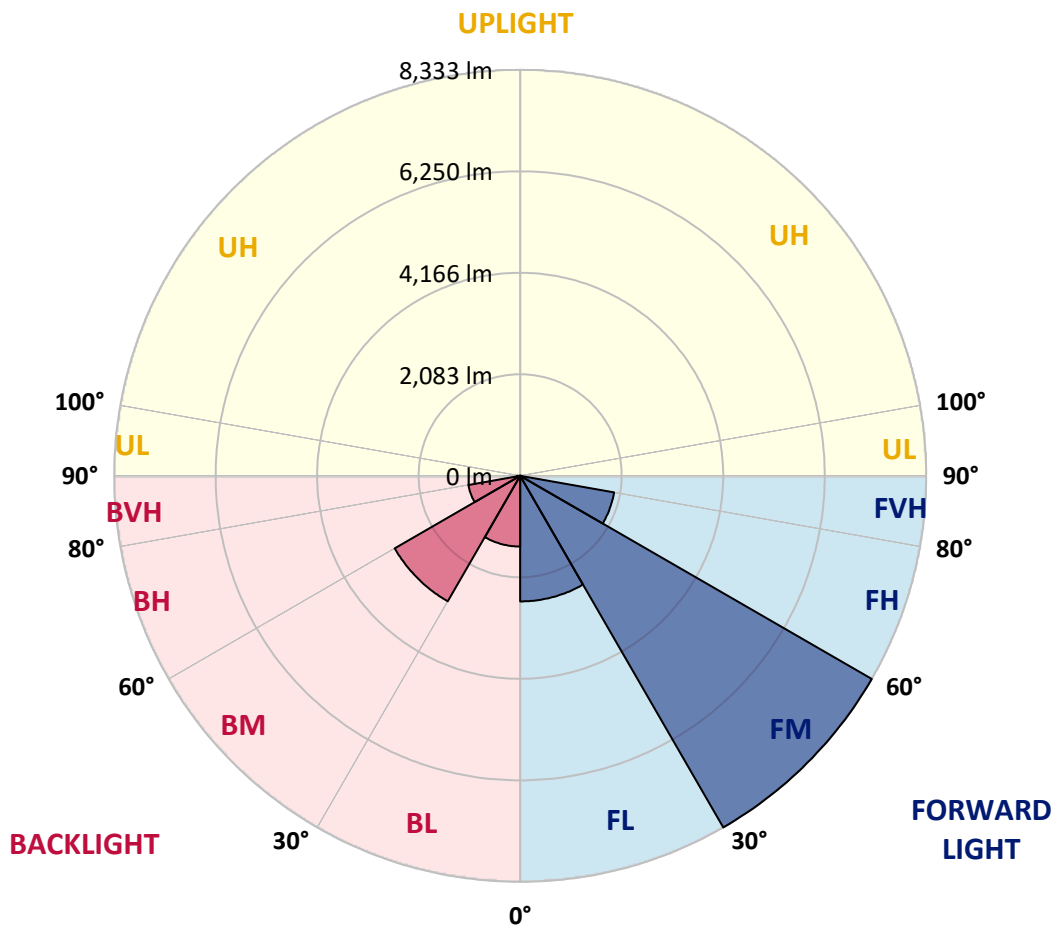
CATALOG NUMBER: GALN-SA6B-722-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2577.9	14.0			
FM (30°-60°)	8332.7	45.1			
FH (60°-80°)	1957.9	10.6			G2/5000
FVH (80°-90°)	35.7	0.2			G1/100
BL (0°-30°)	1452.2	7.9	B3/2500		
BM (30°-60°)	2974.3	16.1	B3/5000		
BH (60°-80°)	1079.4	5.8	B3/2500		G3/2500
BVH (80°-90°)	62.9	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4
2.5°	8335.0	8468.9	8324.3	8067.2	7885.2	7719.2	7545.1	7510.3	7282.7	7242.6	7076.6
5°	7861.1	7831.6	7654.9	7317.5	6945.4	6608.0	6359.0	6118.0	5954.7	5764.6	5751.2
7.5°	7285.4	7114.1	7012.3	6500.9	6040.4	5510.2	5282.7	4915.8	4800.7	4629.4	4541.0
10°	6771.3	6645.5	6407.2	5895.8	5253.2	4902.5	4658.8	4460.7	4326.8	4150.1	3927.9
12.5°	6517.0	6466.1	6198.4	5405.8	4929.2	4554.4	4383.0	4190.2	3962.7	3678.9	3569.1
15°	6562.5	6391.1	6187.6	5312.1	4653.5	4292.0	4018.9	3777.9	3486.1	3215.6	3057.7
17.5°	6902.5	6771.3	6364.4	5371.0	4549.0	4026.9	3531.6	3175.5	2913.1	2669.4	2559.7
20°	7571.9	7381.8	6924.0	5446.0	4324.1	3657.4	3089.8	2650.7	2369.6	2241.0	2203.6
22.5°	8313.6	8201.1	7470.2	5614.7	4144.7	3314.7	2621.2	2182.1	2077.7	2042.9	2112.5
25°	9215.9	8924.0	8318.9	5890.4	4005.5	3022.9	2225.0	1981.3	1927.8	1962.6	2042.9
27.5°	9901.3	9823.7	8913.3	6150.2	3815.4	2672.1	2002.8	1842.1	1858.2	1893.0	1967.9
30°	10715.3	10321.7	9489.0	6329.6	3644.0	2431.1	1847.5	1804.6	1820.7	1879.6	1917.1
32.5°	11205.2	11058.0	9850.4	6600.0	3445.9	2222.3	1727.0	1686.8	1710.9	1799.3	1887.6
35°	11829.1	11537.2	10297.6	6669.6	3306.7	2139.3	1641.3	1611.8	1668.1	1729.6	1828.7
37.5°	12557.4	12356.6	10916.1	6621.4	3231.7	2053.6	1569.0	1555.6	1595.8	1681.5	1796.6
40°	12988.4	12926.9	11240.0	6650.8	3113.9	1978.7	1486.0	1502.1	1585.1	1652.0	1764.5
42.5°	13403.4	13001.8	11719.3	6640.1	3038.9	1876.9	1494.0	1475.3	1539.5	1617.2	1724.3
45°	13494.5	13095.5	11831.8	6565.2	2947.9	1777.8	1432.4	1440.5	1518.1	1614.5	1684.1
47.5°	13435.6	13141.1	12040.6	6543.8	2862.2	1708.2	1341.4	1437.8	1483.3	1561.0	1660.0
50°	13395.4	13379.3	12217.3	6645.5	2747.1	1598.5	1231.6	1403.0	1448.5	1526.2	1633.3
52.5°	13748.8	13714.0	12659.1	6913.2	2656.1	1480.6	1119.2	1314.6	1424.4	1499.4	1603.8
55°	13963.0	13810.4	13416.8	7242.6	2503.4	1325.4	1041.5	1204.9	1365.5	1432.4	1539.5
57.5°	12560.0	12455.6	12137.0	6760.6	2246.4	1121.9	945.1	1092.4	1285.2	1389.6	1499.4
60°	10450.2	10286.9	9470.2	5745.9	1657.4	872.9	886.2	1004.1	1263.8	1303.9	1432.4
62.5°	9853.1	9448.8	8337.7	4624.0	1271.8	749.7	795.2	923.7	1151.3	1218.3	1346.8
65°	7818.2	7518.4	5965.4	3338.8	851.4	650.6	725.6	832.7	993.3	1124.5	1242.3
67.5°	4894.4	4607.9	3183.5	1579.7	594.4	556.9	647.9	760.4	891.6	1009.4	1140.6
70°	2557.0	2243.7	1469.9	570.3	409.7	455.2	540.9	647.9	776.5	872.9	974.6
72.5°	953.2	773.8	479.3	246.3	283.8	348.1	439.1	516.8	607.8	725.6	781.8
75°	147.3	125.8	123.2	149.9	192.8	251.7	313.3	390.9	471.2	546.2	583.7
77.5°	69.6	66.9	75.0	99.1	128.5	179.4	227.6	302.6	366.8	415.0	436.4
80°	45.5	42.8	48.2	66.9	96.4	133.9	182.1	232.9	291.8	332.0	326.7
82.5°	26.8	29.5	29.5	45.5	66.9	96.4	131.2	176.7	216.9	251.7	230.3
85°	16.1	13.4	13.4	26.8	45.5	77.6	109.8	75.0	77.6	77.6	88.4
87.5°	5.4	5.4	5.4	2.7	5.4	5.4	8.0	13.4	16.1	18.7	24.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4
2.5°	7071.2	7154.2	7124.8	7020.3	7100.7	7114.1	7060.5	7245.2	7280.1	7223.8	7239.9
5°	5732.5	5753.9	5802.1	5903.8	5976.1	6061.8	6061.8	6067.2	5994.9	6176.9	6123.4
7.5°	4466.0	4479.4	4535.6	4752.5	4814.1	4977.4	5047.0	4998.8	4854.3	4792.7	4843.6
10°	3855.6	3777.9	3759.2	3786.0	3925.2	3994.8	4053.7	4037.6	4013.5	3965.3	3911.8
12.5°	3448.6	3392.4	3346.8	3282.6	3290.6	3357.6	3403.1	3365.6	3376.3	3387.0	3403.1
15°	3006.8	2966.6	2942.5	2846.2	2835.4	2881.0	2897.0	2918.4	2958.6	2961.3	2942.5
17.5°	2538.2	2503.4	2557.0	2610.5	2573.1	2575.7	2605.2	2623.9	2613.2	2565.0	2540.9
20°	2216.9	2254.4	2308.0	2358.9	2399.0	2423.1	2433.8	2404.4	2369.6	2270.5	2267.8
22.5°	2123.2	2171.4	2216.9	2294.6	2332.1	2393.7	2337.4	2270.5	2222.3	2174.1	2117.9
25°	2053.6	2093.8	2184.8	2214.3	2286.6	2337.4	2297.3	2230.3	2147.3	2077.7	2034.9
27.5°	2002.8	2048.3	2107.2	2187.5	2243.7	2273.2	2233.0	2206.2	2120.6	2037.6	1976.0
30°	1970.6	2018.8	2125.9	2192.9	2241.0	2265.1	2195.5	2163.4	2101.8	2032.2	1978.7
32.5°	1949.2	1992.0	2083.1	2168.8	2200.9	2200.9	2211.6	2174.1	2088.4	1970.6	1925.1
35°	1879.6	1938.5	2013.5	2112.5	2171.4	2206.2	2152.7	2109.9	2053.6	1933.1	1850.1
37.5°	1839.4	1879.6	1976.0	2069.7	2120.6	2158.0	2136.6	2061.7	1986.7	1887.6	1820.7
40°	1796.6	1860.8	1946.5	2034.9	2091.1	2128.6	2112.5	2024.2	1933.1	1839.4	1793.9
42.5°	1767.1	1810.0	1898.3	1997.4	2064.3	2136.6	2088.4	1978.7	1914.4	1785.9	1735.0
45°	1743.0	1812.7	1906.4	1946.5	2016.1	2091.1	2005.4	1938.5	1863.5	1769.8	1727.0
47.5°	1713.6	1777.8	1839.4	1946.5	1978.7	2013.5	1997.4	1890.3	1826.0	1724.3	1694.8
50°	1702.9	1727.0	1839.4	1898.3	1943.8	1978.7	1935.8	1855.5	1793.9	1689.5	1625.2
52.5°	1660.0	1705.6	1777.8	1855.5	1911.7	1954.6	1884.9	1834.1	1751.1	1641.3	1601.1
55°	1606.5	1633.3	1761.8	1842.1	1871.6	1901.0	1874.2	1791.2	1705.6	1593.1	1552.9
57.5°	1536.9	1598.5	1702.9	1815.3	1852.8	1868.9	1826.0	1759.1	1652.0	1552.9	1488.7
60°	1464.6	1528.8	1644.0	1735.0	1772.5	1831.4	1767.1	1727.0	1603.8	1494.0	1424.4
62.5°	1392.3	1464.6	1550.3	1665.4	1697.5	1721.6	1705.6	1649.3	1550.3	1427.1	1341.4
65°	1306.6	1360.2	1467.3	1526.2	1547.6	1603.8	1547.6	1526.2	1437.8	1320.0	1247.7
67.5°	1178.1	1223.6	1317.3	1373.5	1389.6	1413.7	1411.0	1386.9	1287.9	1207.5	1143.3
70°	1030.8	1071.0	1129.9	1196.8	1204.9	1234.3	1207.5	1202.2	1137.9	1028.2	993.3
72.5°	827.3	864.8	942.5	971.9	974.6	985.3	971.9	953.2	937.1	822.0	787.2
75°	634.6	656.0	693.5	720.2	720.2	733.6	725.6	706.9	664.0	591.7	556.9
77.5°	441.8	463.2	511.4	527.5	524.8	530.1	506.0	487.3	423.0	385.6	356.1
80°	321.3	334.7	358.8	369.5	372.2	380.2	350.7	334.7	297.2	254.4	241.0
82.5°	232.9	241.0	243.7	257.0	257.0	243.7	235.6	219.6	192.8	166.0	155.3
85°	96.4	99.1	101.7	117.8	120.5	144.6	133.9	125.8	109.8	93.7	85.7
87.5°	24.1	26.8	34.8	29.5	34.8	34.8	37.5	42.8	42.8	34.8	34.8
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°	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4
2.5°	7301.5	7322.9	7596.0	7630.8	7764.7	7901.2	8177.0	8375.1	8535.8	8640.2	8669.7
5°	6179.6	6316.2	6442.0	6645.5	6830.2	7092.6	7395.2	7770.0	8241.3	8482.2	8578.6
7.5°	4838.2	4998.8	5180.9	5379.0	5649.5	6120.7	6525.0	6958.8	7561.2	7810.2	8187.7
10°	3949.3	4128.7	4369.6	4522.3	4848.9	5298.7	5770.0	6270.6	6846.3	7205.1	7641.5
12.5°	3491.4	3638.7	3860.9	4182.2	4425.9	4717.7	5068.5	5700.3	6525.0	6865.0	7164.9
15°	2985.4	3148.7	3405.7	3761.9	4053.7	4401.8	4795.4	5483.5	6361.7	6886.5	7140.8
17.5°	2567.7	2685.5	2955.9	3263.8	3598.5	3978.7	4543.7	5472.8	6533.0	7205.1	7620.1
20°	2278.5	2294.6	2441.9	2704.3	3159.4	3654.8	4388.4	5419.2	7081.9	7754.0	8278.8
22.5°	2096.5	2080.4	2083.1	2305.3	2623.9	3336.1	4144.7	5601.3	7705.8	8626.8	8980.3
25°	2005.4	1962.6	1935.8	1984.0	2273.2	2958.6	3960.0	5842.3	8377.8	9347.1	9780.8
27.5°	1957.2	1882.3	1828.7	1836.7	2048.3	2768.5	3844.9	5946.7	9044.5	10351.1	10503.7
30°	1938.5	1844.8	1767.1	1740.4	1879.6	2503.4	3598.5	6126.1	9641.6	10902.7	11033.9
32.5°	1871.6	1756.4	1681.5	1657.4	1713.6	2270.5	3421.8	6254.6	10169.1	11502.4	11456.9
35°	1793.9	1697.5	1603.8	1558.3	1598.5	2120.6	3279.9	6193.0	10790.2	11968.3	11944.2
37.5°	1785.9	1660.0	1582.4	1507.4	1504.7	1935.8	3087.1	6251.9	11186.5	12803.7	12474.4
40°	1716.3	1635.9	1534.2	1472.6	1437.8	1842.1	2899.7	6112.7	11767.5	13141.1	12817.1
42.5°	1718.9	1598.5	1510.1	1437.8	1403.0	1705.6	2771.2	6075.2	11971.0	13689.9	12977.7
45°	1676.1	1558.3	1483.3	1397.6	1378.9	1601.1	2648.0	5901.2	12329.8	13716.7	12776.9
47.5°	1633.3	1528.8	1448.5	1346.8	1303.9	1563.6	2551.6	5756.6	12142.4	13465.0	12498.5
50°	1603.8	1483.3	1408.4	1336.1	1215.6	1499.4	2425.8	5721.8	11880.0	13125.0	11981.7
52.5°	1552.9	1445.8	1368.2	1312.0	1119.2	1440.5	2377.6	5925.3	12201.3	12870.6	11831.8
55°	1504.7	1395.0	1295.9	1186.1	1038.9	1285.2	2243.7	6115.4	12669.8	13457.0	12511.8
57.5°	1453.9	1349.4	1242.3	1111.2	961.2	1124.5	2104.5	6150.2	11791.6	12436.9	11877.3
60°	1386.9	1253.1	1172.7	1001.4	878.2	931.8	1668.1	5421.9	9146.3	10385.9	10404.7
62.5°	1312.0	1167.4	1097.8	897.0	792.5	803.2	1360.2	4557.1	7419.3	8597.4	9108.8
65°	1212.9	1073.7	990.7	830.0	731.0	696.1	996.0	3338.8	5636.1	6974.8	7555.8
67.5°	1084.4	953.2	848.8	722.9	653.3	597.1	680.1	1879.6	3328.1	4682.9	4859.6
70°	947.8	835.4	725.6	621.2	543.5	503.4	498.0	832.7	1590.4	2519.5	2867.6
72.5°	747.0	666.7	578.3	500.7	449.8	390.9	356.1	345.4	538.2	1025.5	1416.4
75°	535.5	468.6	417.7	366.8	329.3	297.2	270.4	246.3	224.9	257.0	353.4
77.5°	337.4	313.3	273.1	259.7	238.3	230.3	219.6	206.2	190.1	179.4	179.4
80°	227.6	211.5	198.1	195.5	187.4	184.7	187.4	174.0	158.0	144.6	149.9
82.5°	152.6	149.9	147.3	144.6	147.3	149.9	155.3	152.6	139.2	131.2	133.9
85°	91.0	96.4	101.7	107.1	117.8	104.4	85.7	72.3	64.3	58.9	56.2
87.5°	34.8	48.2	42.8	40.2	42.8	40.2	37.5	34.8	29.5	26.8	26.8
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: P530942

CATALOG NUMBER: GALN-SA6B-722-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4	8198.4
2.5°	8865.1	8918.7	8964.2	8953.5	8859.8	8733.9	8683.1	8423.3	8369.8	8335.0
5°	8985.6	9296.2	9363.1	9323.0	9079.3	8771.4	8471.5	8091.3	7869.1	7861.1
7.5°	8763.4	9146.3	9266.7	9357.8	9033.8	8498.3	7984.2	7413.9	7274.7	7285.4
10°	8198.4	8808.9	9106.1	9199.8	8827.6	8364.4	7652.2	7073.9	6776.7	6771.3
12.5°	7885.2	8364.4	8447.4	8578.6	8468.9	8000.3	7459.4	6811.5	6522.3	6517.0
15°	7606.7	7922.7	7946.7	8131.5	8190.4	7874.5	7510.3	6819.5	6586.6	6562.5
17.5°	7850.4	7630.8	7539.8	7563.9	7737.9	7853.0	7804.8	7274.7	7036.4	6902.5
20°	8013.7	7523.7	7247.9	7274.7	7480.9	7901.2	8243.9	7933.4	7555.8	7571.9
22.5°	8450.1	7539.8	7108.7	7079.2	7405.9	8152.9	8739.3	8766.1	8401.9	8313.6
25°	9103.4	7724.5	7065.9	7057.8	7371.1	8423.3	9317.6	9751.4	9379.2	9215.9
27.5°	9628.2	8013.7	7199.7	7226.5	7480.9	8642.9	9810.3	10385.9	10102.1	9901.3
30°	10088.7	8313.6	7387.2	7264.0	7775.4	8758.0	10021.8	11108.8	10881.3	10715.3
32.5°	10278.8	8739.3	7684.4	7480.9	8019.0	8897.3	10460.9	11810.3	11614.9	11205.2
35°	10600.1	8977.6	7845.0	7828.9	8444.8	9231.9	10667.1	12273.5	12193.2	11829.1
37.5°	10857.2	9218.5	8415.3	8238.6	9028.4	9794.2	10999.1	12913.5	12728.7	12557.4
40°	11055.3	9649.6	8948.1	9181.1	9746.0	10305.6	11304.3	12953.6	13486.4	12988.4
42.5°	10873.2	10035.2	9823.7	10380.6	10916.1	10889.3	11339.1	13264.2	13663.2	13403.4
45°	10827.7	10688.5	11207.9	11714.0	11837.1	11373.9	11090.1	12921.5	13609.6	13494.5
47.5°	10717.9	11331.1	12236.1	13060.7	12873.3	11697.9	10792.9	12859.9	13641.7	13435.6
50°	10680.5	11470.3	12996.5	13799.7	13687.3	11979.0	10653.7	12463.6	13414.2	13395.4
52.5°	10677.8	11756.8	13312.4	14201.3	14270.9	12423.5	10843.8	12664.5	13590.9	13748.8
55°	10798.3	11665.8	13272.2	13979.1	13952.3	12225.4	10865.2	12798.3	13807.7	13963.0
57.5°	10185.1	10450.2	10953.6	11513.1	11368.6	10126.2	9703.2	11831.8	12672.5	12560.0
60°	8795.5	7965.5	7397.9	7371.1	7090.0	6701.7	7941.4	10560.0	10560.0	10450.2
62.5°	7703.1	5229.1	4492.8	4284.0	4484.8	4931.9	7660.3	10270.8	9979.0	9853.1
65°	6736.5	3992.1	3247.8	3188.9	3536.9	4211.7	6926.6	8750.0	8235.9	7818.2
67.5°	4334.8	2923.8	2415.1	2310.7	2731.0	3092.5	4610.6	5381.7	5057.8	4894.4
70°	2795.3	1903.7	1344.1	1261.1	1424.4	1906.4	2945.2	3138.0	2666.8	2557.0
72.5°	1322.7	822.0	471.2	388.2	436.4	728.3	1164.7	1253.1	1041.5	953.2
75°	420.4	302.6	192.8	166.0	158.0	187.4	267.7	206.2	149.9	147.3
77.5°	187.4	179.4	152.6	128.5	112.5	93.7	77.6	64.3	66.9	69.6
80°	155.3	141.9	125.8	112.5	93.7	72.3	56.2	42.8	42.8	45.5
82.5°	136.6	123.2	109.8	93.7	80.3	58.9	42.8	29.5	26.8	26.8
85°	58.9	69.6	75.0	80.3	64.3	48.2	29.5	18.7	16.1	16.1
87.5°	24.1	21.4	18.7	16.1	13.4	13.4	10.7	8.0	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)