

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: STREETWORKS

Report Number: P529382

Luminaire Tested: **GLAN-SA4C-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529382
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: STREETWORKS
Catalog Number: GLAN-SA4C-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA 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: 19295 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

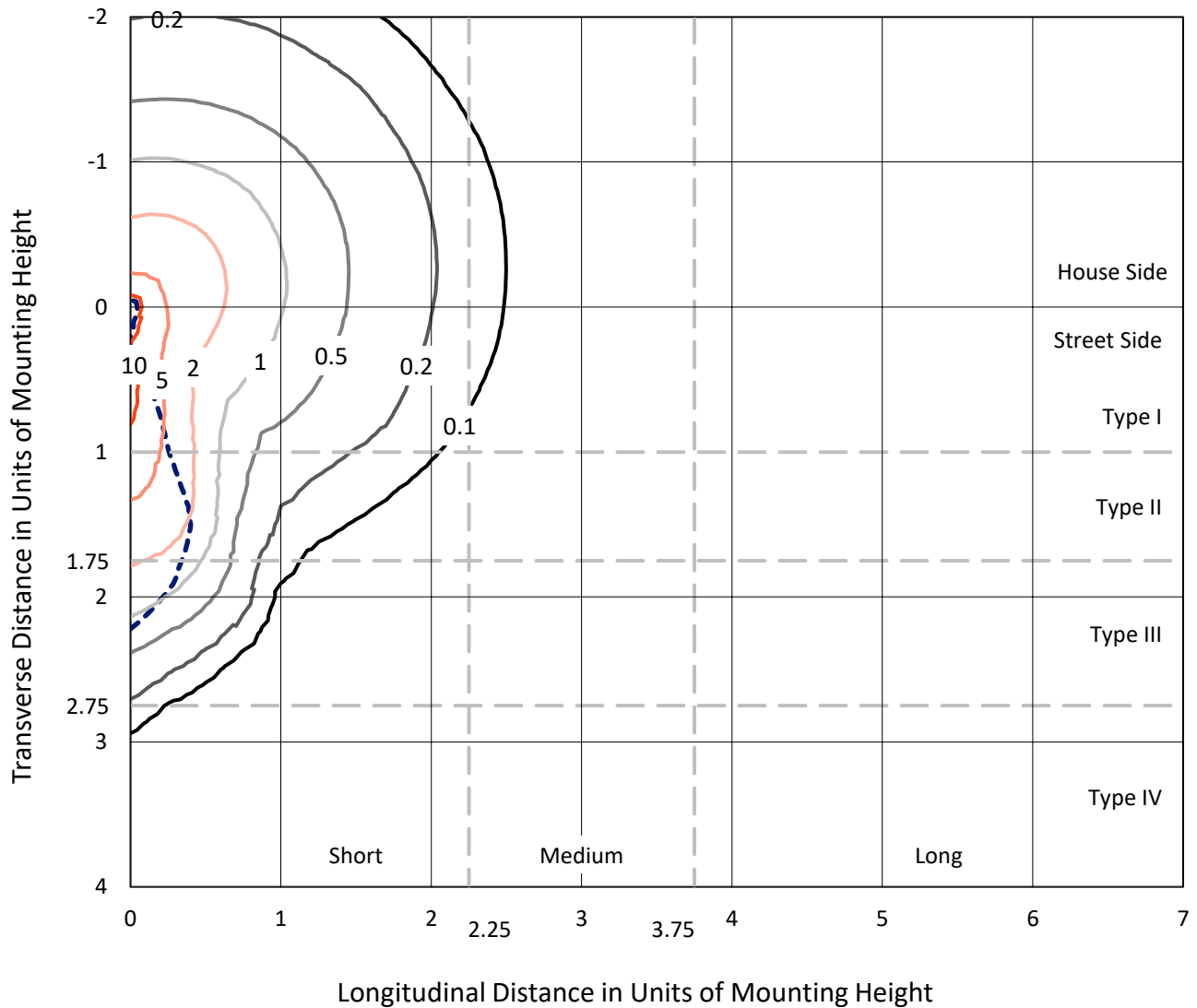
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

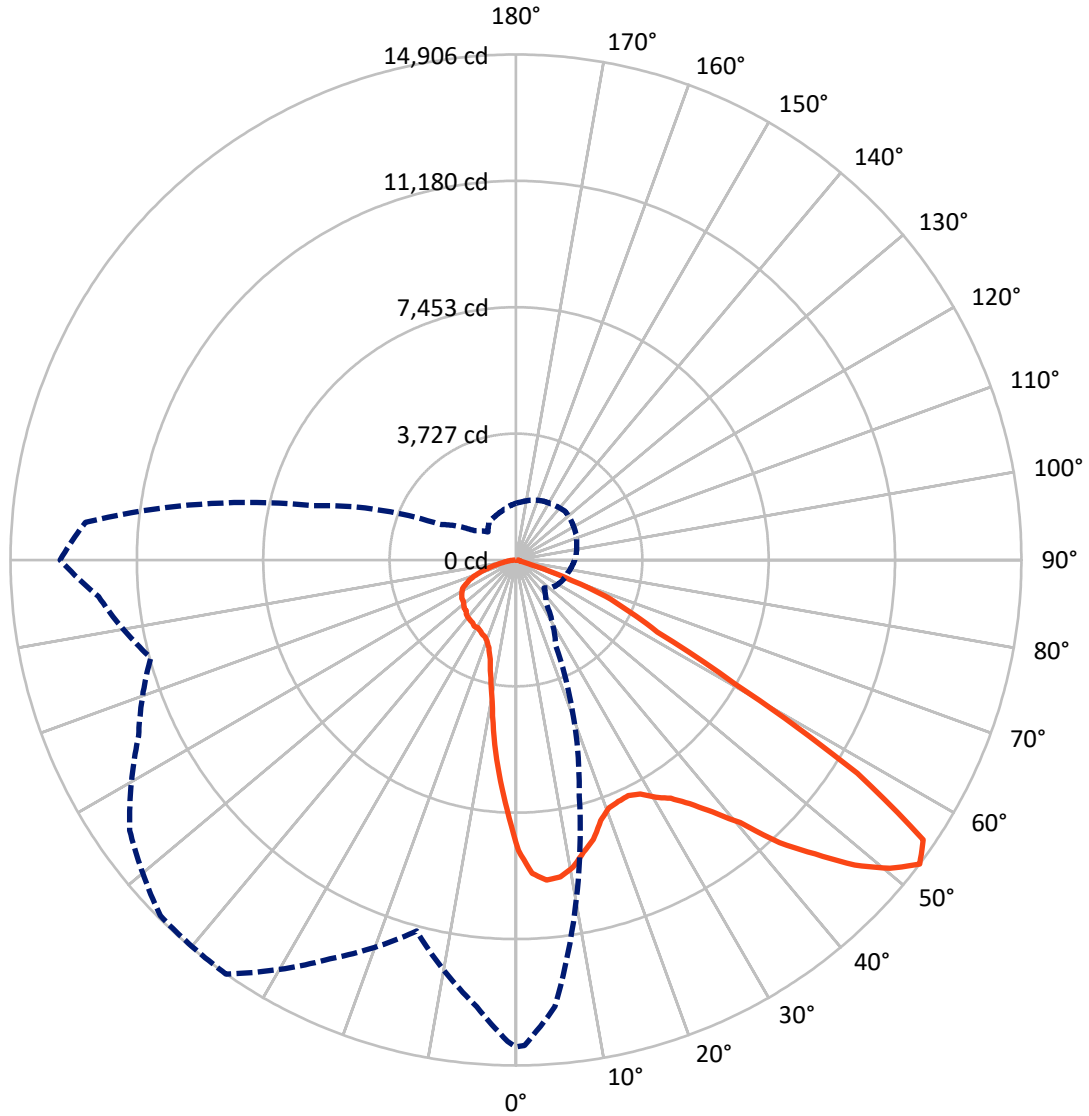
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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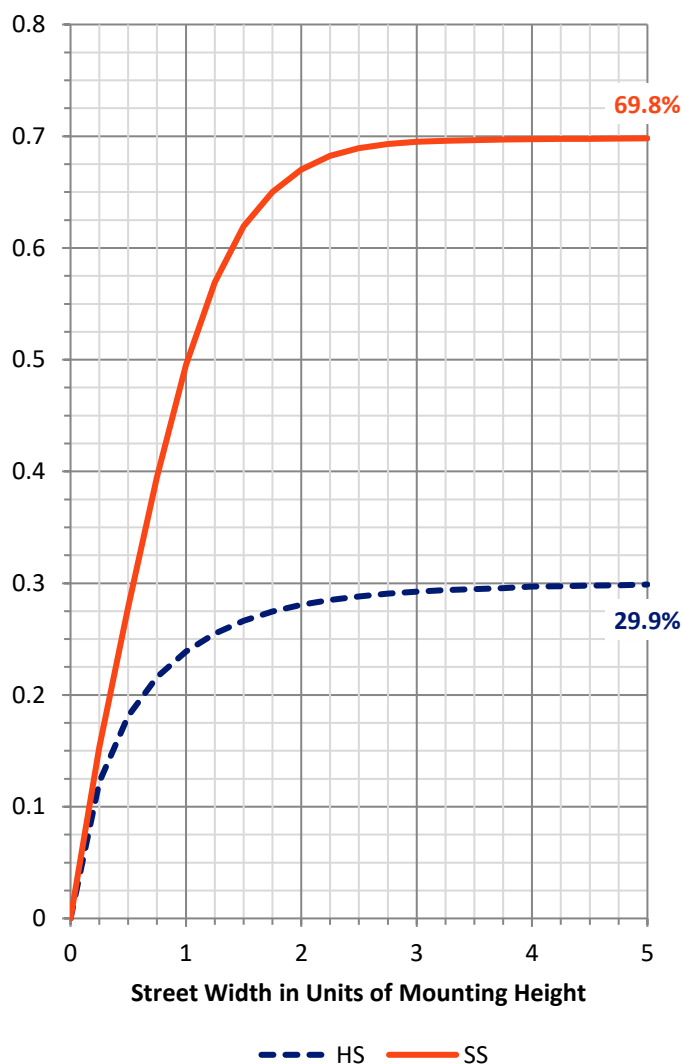
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5816.6	0.0	5816.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	13478.4	0.0	13478.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	19295.0	0.0	19295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.3	3.4
10°-20°	1416.3	7.3
20°-30°	2139.8	11.1
30°-40°	3092.2	16.0
40°-50°	4115.1	21.3
50°-60°	4602.9	23.9
60°-70°	2594.2	13.4
70°-80°	578.3	3.0
80°-90°	103.0	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°	19295.0	100.0
0°-180°	19295.0	100.0

Coefficient of Utilization



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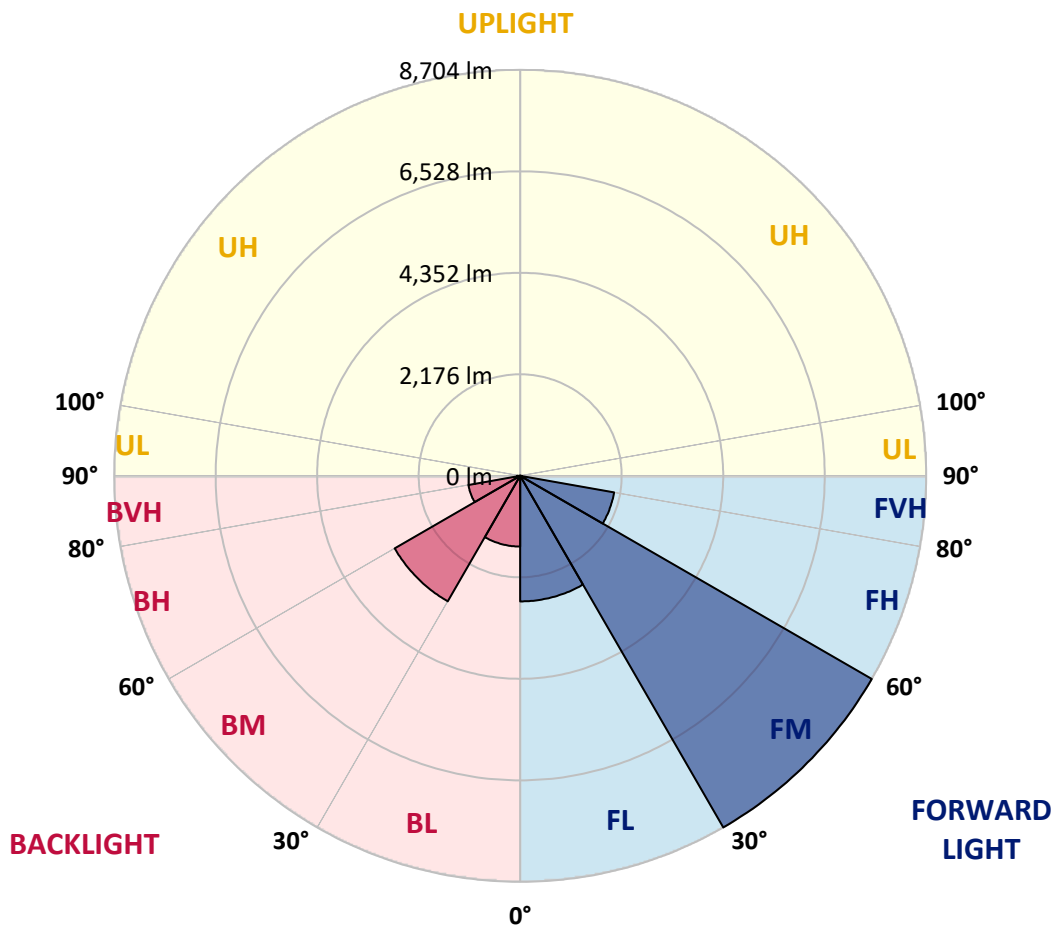
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2692.6	14.0			
FM (30°-60°)	8703.5	45.1			
FH (60°-80°)	2045.0	10.6			G2/5000
FVH (80°-90°)	37.3	0.2			G1/100
BL (0°-30°)	1516.8	7.9	B3/2500		
BM (30°-60°)	3106.7	16.1	B3/5000		
BH (60°-80°)	1127.4	5.8	B3/2500		G3/2500
BVH (80°-90°)	65.7	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°	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2
2.5°	8705.9	8845.7	8694.7	8426.2	8236.0	8062.6	7880.9	7844.5	7606.8	7564.8	7391.5
5°	8210.9	8180.1	7995.5	7643.2	7254.4	6902.0	6642.0	6390.3	6219.7	6021.1	6007.1
7.5°	7609.6	7430.6	7324.3	6790.2	6309.2	5755.4	5517.7	5134.6	5014.3	4835.3	4743.1
10°	7072.6	6941.2	6692.3	6158.1	5487.0	5120.6	4866.1	4659.2	4519.3	4334.8	4102.6
12.5°	6807.0	6753.8	6474.2	5646.4	5148.6	4757.0	4578.1	4376.7	4139.0	3842.6	3727.9
15°	6854.5	6675.5	6463.0	5548.5	4860.5	4483.0	4197.7	3946.0	3641.2	3358.7	3193.7
17.5°	7209.7	7072.6	6647.6	5610.0	4751.5	4206.1	3688.7	3316.8	3042.7	2788.2	2673.6
20°	7908.8	7710.3	7232.1	5688.3	4516.5	3820.2	3227.3	2768.7	2475.0	2340.8	2301.6
22.5°	8683.5	8566.0	7802.6	5864.5	4329.2	3462.2	2737.9	2279.2	2170.2	2133.8	2206.5
25°	9626.0	9321.1	8689.1	6152.6	4183.7	3157.4	2324.0	2069.5	2013.6	2049.9	2133.8
27.5°	10341.9	10260.8	9309.9	6423.8	3985.2	2791.0	2091.9	1924.1	1940.9	1977.2	2055.5
30°	11192.1	10781.0	9911.2	6611.2	3806.2	2539.3	1929.7	1884.9	1901.7	1963.2	2002.4
32.5°	11703.8	11550.0	10288.8	6893.7	3599.2	2321.2	1803.8	1761.9	1787.0	1879.3	1971.6
35°	12355.5	12050.6	10755.8	6966.4	3453.8	2234.5	1714.3	1683.6	1742.3	1806.6	1910.1
37.5°	13116.1	12906.4	11401.8	6916.0	3375.5	2145.0	1638.8	1624.8	1666.8	1756.3	1876.5
40°	13566.4	13502.1	11740.2	6946.8	3252.5	2066.7	1552.1	1568.9	1655.6	1725.5	1843.0
42.5°	13999.9	13580.4	12240.8	6935.6	3174.2	1960.4	1560.5	1540.9	1608.1	1689.2	1801.0
45°	14094.9	13678.3	12358.2	6857.3	3079.1	1857.0	1496.2	1504.6	1585.7	1686.4	1759.1
47.5°	14033.4	13725.8	12576.4	6834.9	2989.6	1784.2	1401.1	1501.8	1549.3	1630.4	1733.9
50°	13991.5	13974.7	12761.0	6941.2	2869.3	1669.6	1286.4	1465.4	1513.0	1594.1	1705.9
52.5°	14360.6	14324.3	13222.4	7220.9	2774.2	1546.5	1169.0	1373.1	1487.8	1566.1	1675.2
55°	14584.4	14424.9	14013.8	7564.8	2614.8	1384.3	1087.9	1258.5	1426.3	1496.2	1608.1
57.5°	13118.9	13009.9	12677.1	7061.5	2346.4	1171.8	987.2	1141.0	1342.4	1451.4	1566.1
60°	10915.2	10744.6	9891.6	6001.5	1731.1	911.7	925.7	1048.7	1320.0	1362.0	1496.2
62.5°	10291.5	9869.3	8708.7	4829.8	1328.4	783.1	830.6	964.8	1202.5	1272.5	1406.7
65°	8166.1	7852.9	6230.9	3487.4	889.3	679.6	757.9	869.7	1037.5	1174.6	1297.6
67.5°	5112.2	4813.0	3325.2	1650.0	620.8	581.7	676.8	794.2	931.3	1054.3	1191.4
70°	2670.8	2343.6	1535.3	595.7	427.9	475.4	564.9	676.8	811.0	911.7	1018.0
72.5°	995.6	808.2	500.6	257.3	296.4	363.6	458.6	539.7	634.8	757.9	816.6
75°	153.8	131.4	128.6	156.6	201.4	262.9	327.2	408.3	492.2	570.5	609.7
77.5°	72.7	69.9	78.3	103.5	134.2	187.4	237.7	316.0	383.1	433.5	455.8
80°	47.5	44.7	50.3	69.9	100.7	139.8	190.2	243.3	304.8	346.8	341.2
82.5°	28.0	30.8	30.8	47.5	69.9	100.7	137.0	184.6	226.5	262.9	240.5
85°	16.8	14.0	14.0	28.0	47.5	81.1	114.7	78.3	81.1	81.1	92.3
87.5°	5.6	5.6	5.6	2.8	5.6	5.6	8.4	14.0	16.8	19.6	25.2
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2
2.5°	7385.9	7472.6	7441.8	7332.7	7416.6	7430.6	7374.7	7567.6	7604.0	7545.3	7562.1
5°	5987.6	6009.9	6060.3	6166.5	6242.0	6331.5	6331.5	6337.1	6261.6	6451.8	6395.9
7.5°	4664.8	4678.7	4737.5	4964.0	5028.3	5198.9	5271.6	5221.3	5070.3	5005.9	5059.1
10°	4027.1	3946.0	3926.4	3954.4	4099.8	4172.6	4234.1	4217.3	4192.1	4141.8	4085.9
12.5°	3602.0	3543.3	3495.8	3428.7	3437.0	3507.0	3554.5	3515.3	3526.5	3537.7	3554.5
15°	3140.6	3098.7	3073.5	2972.8	2961.6	3009.2	3025.9	3048.3	3090.3	3093.1	3073.5
17.5°	2651.2	2614.8	2670.8	2726.7	2687.5	2690.3	2721.1	2740.7	2729.5	2679.2	2654.0
20°	2315.6	2354.8	2410.7	2463.8	2505.8	2530.9	2542.1	2511.4	2475.0	2371.5	2368.7
22.5°	2217.7	2268.1	2315.6	2396.7	2435.9	2500.2	2441.4	2371.5	2321.2	2270.9	2212.1
25°	2145.0	2187.0	2282.0	2312.8	2388.3	2441.4	2399.5	2329.6	2242.9	2170.2	2125.4
27.5°	2091.9	2139.4	2200.9	2284.8	2343.6	2374.3	2332.4	2304.4	2214.9	2128.2	2063.9
30°	2058.3	2108.6	2220.5	2290.4	2340.8	2365.9	2293.2	2259.7	2195.3	2122.6	2066.7
32.5°	2035.9	2080.7	2175.8	2265.3	2298.8	2298.8	2310.0	2270.9	2181.4	2058.3	2010.8
35°	1963.2	2024.8	2103.1	2206.5	2268.1	2304.4	2248.5	2203.7	2145.0	2019.2	1932.5
37.5°	1921.3	1963.2	2063.9	2161.8	2214.9	2254.1	2231.7	2153.4	2075.1	1971.6	1901.7
40°	1876.5	1943.6	2033.1	2125.4	2184.2	2223.3	2206.5	2114.2	2019.2	1921.3	1873.7
42.5°	1845.8	1890.5	1982.8	2086.3	2156.2	2231.7	2181.4	2066.7	1999.6	1865.3	1812.2
45°	1820.6	1893.3	1991.2	2033.1	2105.9	2184.2	2094.7	2024.8	1946.4	1848.6	1803.8
47.5°	1789.8	1857.0	1921.3	2033.1	2066.7	2103.1	2086.3	1974.4	1907.3	1801.0	1770.3
50°	1778.6	1803.8	1921.3	1982.8	2030.3	2066.7	2022.0	1938.1	1873.7	1764.7	1697.5
52.5°	1733.9	1781.4	1857.0	1938.1	1996.8	2041.5	1968.8	1915.7	1829.0	1714.3	1672.4
55°	1678.0	1705.9	1840.2	1924.1	1954.8	1985.6	1957.6	1870.9	1781.4	1664.0	1622.0
57.5°	1605.3	1669.6	1778.6	1896.1	1935.3	1952.0	1907.3	1837.4	1725.5	1622.0	1554.9
60°	1529.7	1596.9	1717.1	1812.2	1851.4	1912.9	1845.8	1803.8	1675.2	1560.5	1487.8
62.5°	1454.2	1529.7	1619.2	1739.5	1773.1	1798.2	1781.4	1722.7	1619.2	1490.6	1401.1
65°	1364.7	1420.7	1532.5	1594.1	1616.4	1675.2	1616.4	1594.1	1501.8	1378.7	1303.2
67.5°	1230.5	1278.1	1375.9	1434.7	1451.4	1476.6	1473.8	1448.6	1345.2	1261.3	1194.2
70°	1076.7	1118.6	1180.2	1250.1	1258.5	1289.2	1261.3	1255.7	1188.6	1073.9	1037.5
72.5°	864.2	903.3	984.4	1015.2	1018.0	1029.2	1015.2	995.6	978.8	858.6	822.2
75°	662.8	685.2	724.3	752.3	752.3	766.3	757.9	738.3	693.6	618.1	581.7
77.5°	461.4	483.8	534.2	550.9	548.1	553.7	528.6	509.0	441.9	402.7	371.9
80°	335.6	349.6	374.7	385.9	388.7	397.1	366.4	349.6	310.4	265.7	251.7
82.5°	243.3	251.7	254.5	268.5	268.5	254.5	246.1	229.3	201.4	173.4	162.2
85°	100.7	103.5	106.3	123.1	125.8	151.0	139.8	131.4	114.7	97.9	89.5
87.5°	25.2	28.0	36.4	30.8	36.4	36.4	39.2	44.7	44.7	36.4	36.4
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°	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2
2.5°	7626.4	7648.7	7934.0	7970.4	8110.2	8252.8	8540.9	8747.8	8915.6	9024.7	9055.4
5°	6454.6	6597.2	6728.7	6941.2	7134.2	7408.2	7724.3	8115.8	8608.0	8859.7	8960.4
7.5°	5053.5	5221.3	5411.5	5618.4	5900.9	6393.1	6815.4	7268.4	7897.6	8157.7	8552.1
10°	4125.0	4312.4	4564.1	4723.5	5064.7	5534.5	6026.7	6549.7	7150.9	7525.7	7981.5
12.5°	3646.8	3800.6	4032.7	4368.3	4622.8	4927.6	5294.0	5954.0	6815.4	7170.5	7483.7
15°	3118.2	3288.8	3557.3	3929.2	4234.1	4597.6	5008.7	5727.5	6644.8	7192.9	7458.6
17.5°	2682.0	2805.0	3087.5	3409.1	3758.7	4155.8	4745.9	5716.3	6823.7	7525.7	7959.2
20°	2379.9	2396.7	2550.5	2824.6	3300.0	3817.4	4583.7	5660.4	7397.1	8099.0	8647.1
22.5°	2189.8	2173.0	2175.8	2407.9	2740.7	3484.6	4329.2	5850.5	8048.7	9010.7	9379.9
25°	2094.7	2049.9	2022.0	2072.3	2374.3	3090.3	4136.2	6102.2	8750.6	9763.0	10216.0
27.5°	2044.3	1966.0	1910.1	1918.5	2139.4	2891.7	4015.9	6211.3	9447.0	10811.7	10971.1
30°	2024.8	1926.9	1845.8	1817.8	1963.2	2614.8	3758.7	6398.7	10070.6	11387.8	11524.9
32.5°	1954.8	1834.6	1756.3	1731.1	1789.8	2371.5	3574.1	6532.9	10621.5	12014.3	11966.7
35°	1873.7	1773.1	1675.2	1627.6	1669.6	2214.9	3425.9	6468.6	11270.4	12500.9	12475.7
37.5°	1865.3	1733.9	1652.8	1574.5	1571.7	2022.0	3224.5	6530.1	11684.3	13373.4	13029.4
40°	1792.6	1708.7	1602.5	1538.1	1501.8	1924.1	3028.7	6384.7	12291.1	13725.8	13387.4
42.5°	1795.4	1669.6	1577.3	1501.8	1465.4	1781.4	2894.5	6345.5	12503.7	14299.1	13555.2
45°	1750.7	1627.6	1549.3	1459.8	1440.3	1672.4	2765.9	6163.7	12878.4	14327.1	13345.5
47.5°	1705.9	1596.9	1513.0	1406.7	1362.0	1633.2	2665.2	6012.7	12682.7	14064.2	13054.6
50°	1675.2	1549.3	1471.0	1395.5	1269.7	1566.1	2533.7	5976.4	12408.6	13709.0	12514.9
52.5°	1622.0	1510.2	1429.1	1370.3	1169.0	1504.6	2483.4	6188.9	12744.2	13443.3	12358.2
55°	1571.7	1457.0	1353.6	1238.9	1085.1	1342.4	2343.6	6387.5	13233.6	14055.8	13068.6
57.5°	1518.6	1409.5	1297.6	1160.6	1004.0	1174.6	2198.1	6423.8	12316.3	12990.3	12405.8
60°	1448.6	1308.8	1224.9	1045.9	917.3	973.2	1742.3	5663.1	9553.2	10848.1	10867.7
62.5°	1370.3	1219.3	1146.6	936.9	827.8	839.0	1420.7	4759.8	7749.4	8979.9	9514.1
65°	1266.9	1121.4	1034.7	867.0	763.5	727.1	1040.3	3487.4	5886.9	7285.2	7892.1
67.5°	1132.6	995.6	886.5	755.1	682.4	623.6	710.3	1963.2	3476.2	4891.3	5075.9
70°	990.0	872.5	757.9	648.8	567.7	525.8	520.2	869.7	1661.2	2631.6	2995.2
72.5°	780.3	696.4	604.1	523.0	469.8	408.3	371.9	360.8	562.1	1071.1	1479.4
75°	559.3	489.4	436.3	383.1	344.0	310.4	282.5	257.3	234.9	268.5	369.2
77.5°	352.4	327.2	285.3	271.3	248.9	240.5	229.3	215.3	198.6	187.4	187.4
80°	237.7	220.9	206.9	204.2	195.8	193.0	195.8	181.8	165.0	151.0	156.6
82.5°	159.4	156.6	153.8	151.0	153.8	156.6	162.2	159.4	145.4	137.0	139.8
85°	95.1	100.7	106.3	111.9	123.1	109.1	89.5	75.5	67.1	61.5	58.7
87.5°	36.4	50.3	44.7	41.9	44.7	41.9	39.2	36.4	30.8	28.0	28.0
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: P529382

CATALOG NUMBER: GLAN-SA4C-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2	8563.2
2.5°	9259.6	9315.5	9363.1	9351.9	9254.0	9122.6	9069.4	8798.2	8742.2	8705.9
5°	9385.4	9709.9	9779.8	9737.8	9483.3	9161.7	8848.5	8451.4	8219.3	8210.9
7.5°	9153.3	9553.2	9679.1	9774.2	9435.8	8876.5	8339.5	7743.8	7598.4	7609.6
10°	8563.2	9200.9	9511.3	9609.2	9220.4	8736.6	7992.7	7388.7	7078.2	7072.6
12.5°	8236.0	8736.6	8823.3	8960.4	8845.7	8356.3	7791.4	7114.6	6812.6	6807.0
15°	7945.2	8275.2	8300.4	8493.3	8554.8	8224.8	7844.5	7123.0	6879.7	6854.5
17.5°	8199.7	7970.4	7875.3	7900.4	8082.2	8202.5	8152.1	7598.4	7349.5	7209.7
20°	8370.3	7858.5	7570.4	7598.4	7813.7	8252.8	8610.8	8286.4	7892.1	7908.8
22.5°	8826.1	7875.3	7425.0	7394.3	7735.4	8515.7	9128.2	9156.1	8775.8	8683.5
25°	9508.5	8068.2	7380.3	7371.9	7699.1	8798.2	9732.2	10185.3	9796.5	9626.0
27.5°	10056.6	8370.3	7520.1	7548.1	7813.7	9027.5	10246.8	10848.1	10551.6	10341.9
30°	10537.7	8683.5	7715.9	7587.2	8121.4	9147.7	10467.7	11603.2	11365.4	11192.1
32.5°	10736.2	9128.2	8026.3	7813.7	8375.9	9293.2	10926.4	12335.9	12131.7	11703.8
35°	11071.8	9377.1	8194.1	8177.3	8820.5	9642.7	11141.7	12819.7	12735.8	12355.5
37.5°	11340.3	9628.8	8789.8	8605.2	9430.2	10230.0	11488.5	13488.1	13295.1	13116.1
40°	11547.2	10079.0	9346.3	9589.6	10179.7	10764.2	11807.3	13530.0	14086.6	13566.4
42.5°	11357.1	10481.7	10260.8	10842.5	11401.8	11373.8	11843.7	13854.4	14271.1	13999.9
45°	11309.5	11164.1	11706.6	12235.2	12363.8	11880.0	11583.6	13496.5	14215.2	14094.9
47.5°	11194.9	11835.3	12780.5	13641.9	13446.1	12218.4	11273.2	13432.1	14248.8	14033.4
50°	11155.7	11980.7	13574.8	14413.8	14296.3	12512.1	11127.7	13018.2	14011.0	13991.5
52.5°	11152.9	12279.9	13904.8	14833.3	14906.0	12976.3	11326.3	13228.0	14195.6	14360.6
55°	11278.8	12184.9	13862.8	14601.1	14573.2	12769.4	11348.7	13367.8	14422.2	14584.4
57.5°	10638.3	10915.2	11441.0	12025.5	11874.4	10576.8	10134.9	12358.2	13236.4	13118.9
60°	9186.9	8319.9	7727.1	7699.1	7405.4	6999.9	8294.8	11029.9	11029.9	10915.2
62.5°	8045.9	5461.8	4692.7	4474.6	4684.3	5151.4	8001.1	10727.8	10423.0	10291.5
65°	7036.3	4169.8	3392.3	3330.8	3694.3	4399.1	7234.8	9139.3	8602.4	8166.1
67.5°	4527.7	3053.9	2522.5	2413.5	2852.5	3230.1	4815.8	5621.2	5282.8	5112.2
70°	2919.7	1988.4	1403.9	1317.2	1487.8	1991.2	3076.3	3277.6	2785.4	2670.8
72.5°	1381.5	858.6	492.2	405.5	455.8	760.7	1216.5	1308.8	1087.9	995.6
75°	439.1	316.0	201.4	173.4	165.0	195.8	279.7	215.3	156.6	153.8
77.5°	195.8	187.4	159.4	134.2	117.5	97.9	81.1	67.1	69.9	72.7
80°	162.2	148.2	131.4	117.5	97.9	75.5	58.7	44.7	44.7	47.5
82.5°	142.6	128.6	114.7	97.9	83.9	61.5	44.7	30.8	28.0	28.0
85°	61.5	72.7	78.3	83.9	67.1	50.3	30.8	19.6	16.8	16.8
87.5°	25.2	22.4	19.6	16.8	14.0	14.0	11.2	8.4	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)