

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: P648934

Luminaire Tested: **GLAN-SA5C-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648934
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-SA5C-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 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: 20531 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

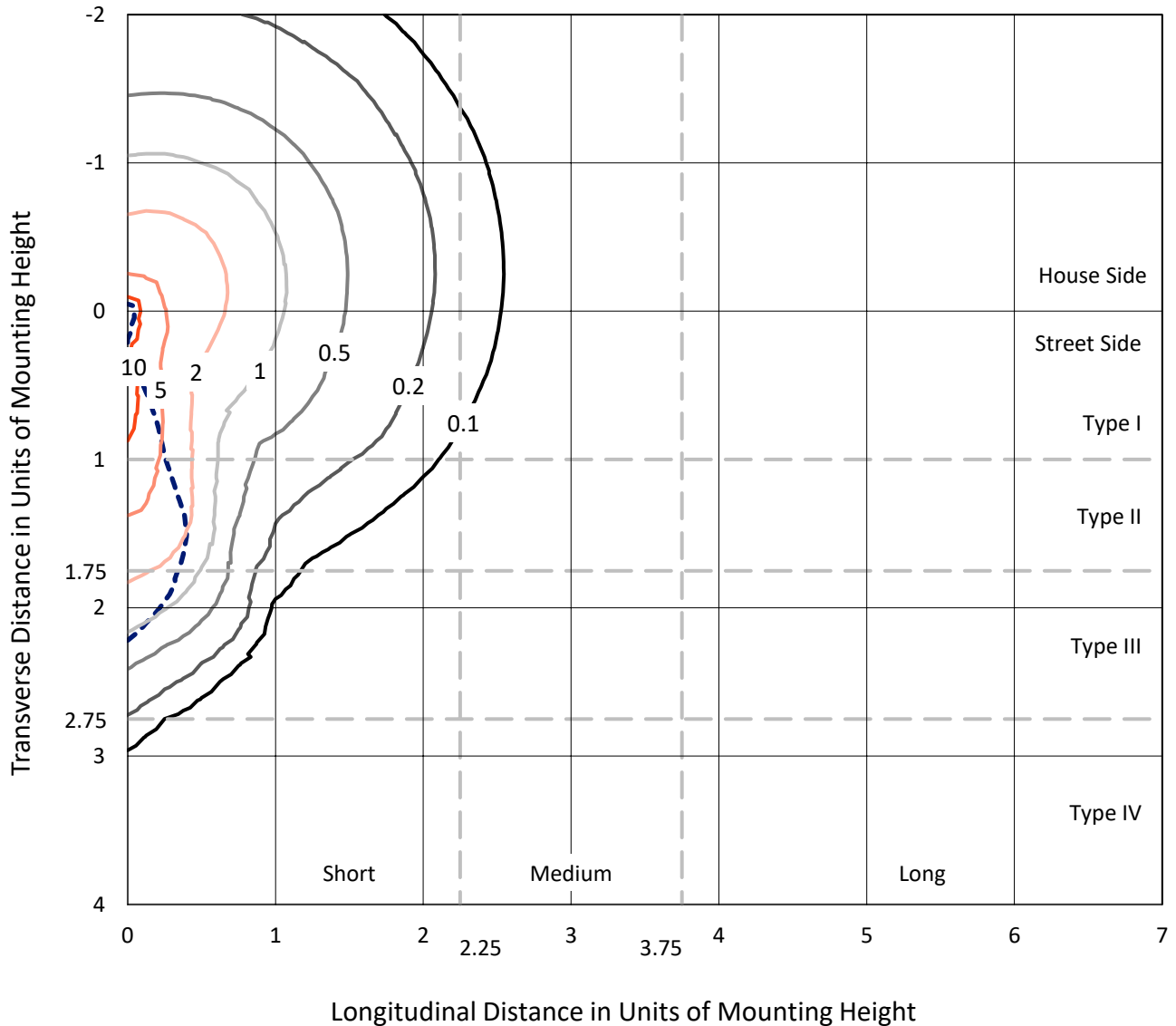
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

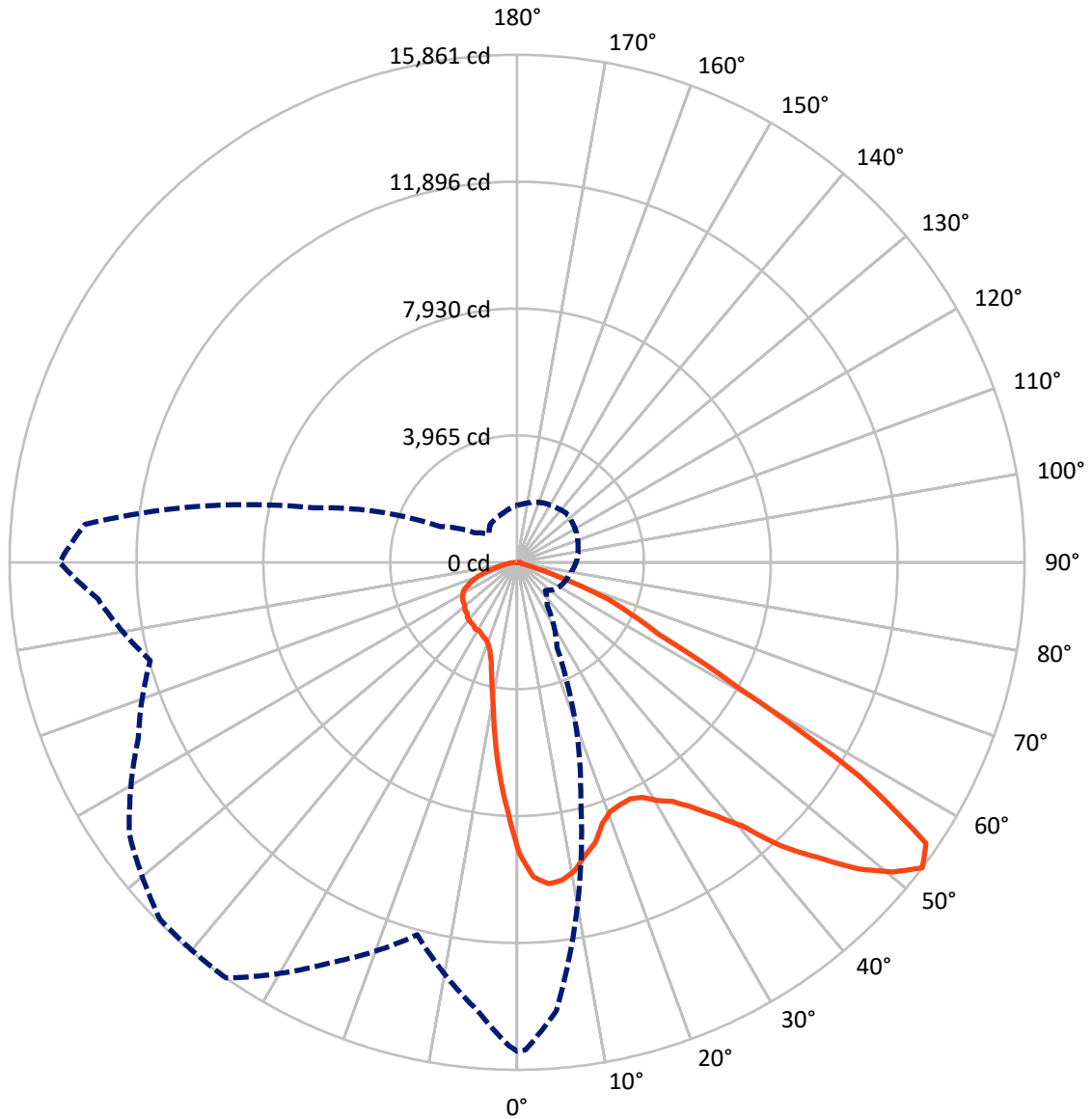
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 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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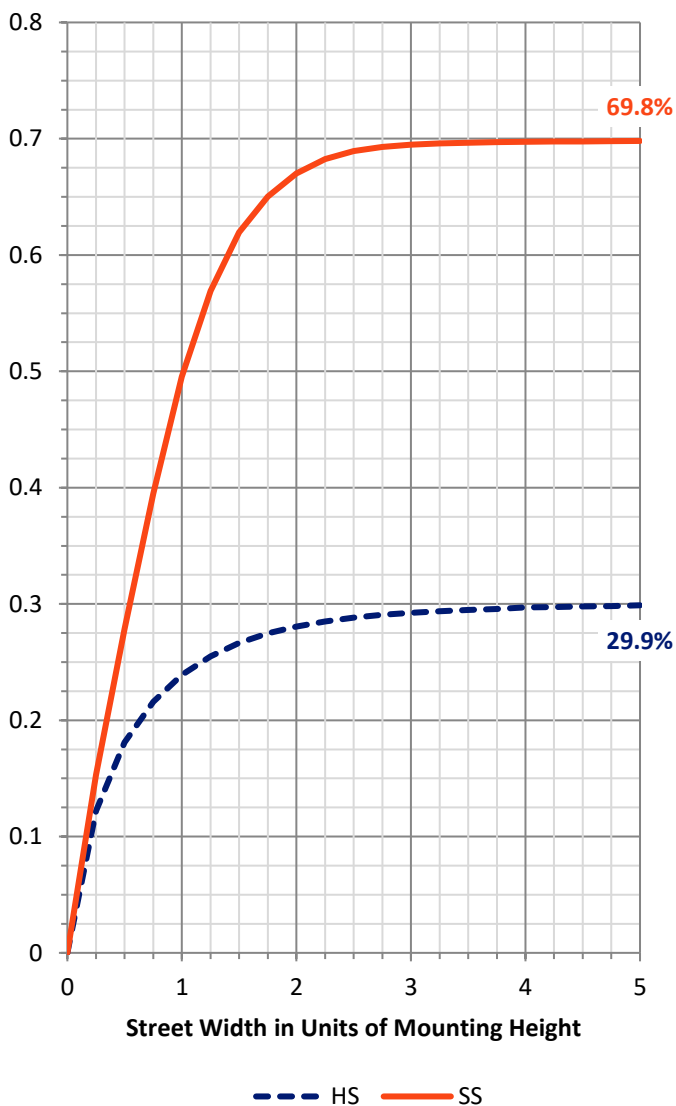
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6189.2	0.0	6189.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	14341.8	0.0	14341.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	20531.0	0.0	20531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.2	3.4
10°-20°	1507.0	7.3
20°-30°	2276.9	11.1
30°-40°	3290.3	16.0
40°-50°	4378.8	21.3
50°-60°	4897.7	23.9
60°-70°	2760.3	13.4
70°-80°	615.3	3.0
80°-90°	109.6	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°	20531.0	100.0
0°-180°	20531.0	100.0

Coefficient of Utilization



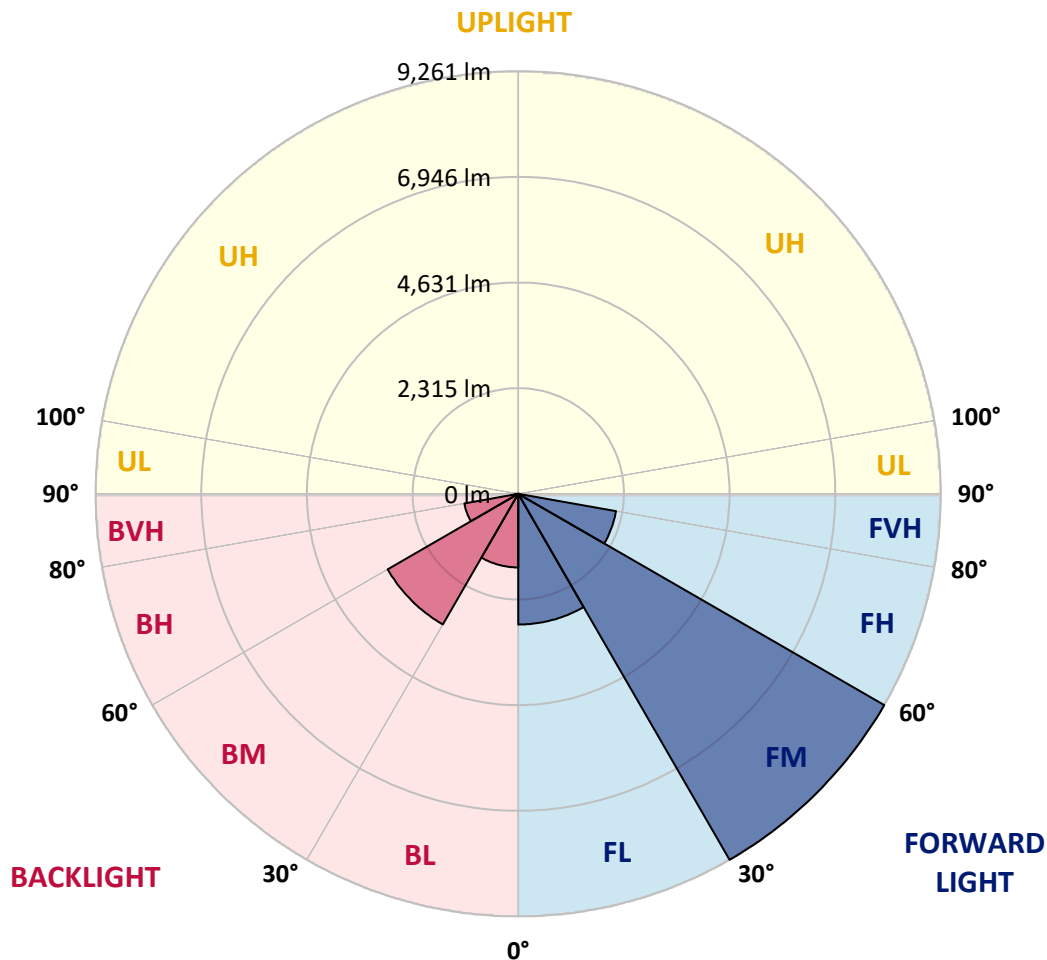
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2865.1	14.0			
FM (30°-60°)	9261.1	45.1			
FH (60°-80°)	2176.0	10.6			G2/5000
FVH (80°-90°)	39.7	0.2			G1/100
BL (0°-30°)	1614.0	7.9	B3/2500		
BM (30°-60°)	3305.7	16.1	B3/5000		
BH (60°-80°)	1199.7	5.8	B3/2500		G3/2500
BVH (80°-90°)	69.9	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°	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8
2.5°	9263.6	9412.4	9251.7	8966.0	8763.6	8579.2	8385.7	8347.0	8094.1	8049.5	7864.9
5°	8736.9	8704.1	8507.7	8132.8	7719.1	7344.2	7067.4	6799.7	6618.1	6406.8	6391.9
7.5°	8097.1	7906.7	7793.5	7225.1	6713.4	6124.2	5871.2	5463.5	5335.5	5145.1	5046.9
10°	7525.7	7385.9	7121.0	6552.6	5838.4	5448.7	5177.8	4957.6	4808.9	4612.4	4365.5
12.5°	7243.0	7186.5	6888.9	6008.1	5478.4	5061.8	4871.4	4657.0	4404.1	4088.7	3966.7
15°	7293.6	7103.1	6877.0	5903.9	5171.9	4770.2	4466.6	4198.8	3874.4	3573.9	3398.3
17.5°	7671.5	7525.7	7073.4	5969.4	5055.8	4475.5	3925.0	3529.3	3237.6	2966.9	2844.8
20°	8415.4	8204.2	7695.3	6052.7	4805.9	4064.9	3434.0	2946.0	2633.5	2490.7	2449.1
22.5°	9239.8	9114.7	8302.4	6240.2	4606.5	3684.0	2913.3	2425.3	2309.2	2270.5	2347.9
25°	10242.6	9918.3	9245.7	6546.7	4451.7	3359.6	2472.9	2202.0	2142.5	2181.2	2270.5
27.5°	11004.4	10918.1	9906.4	6835.4	4240.5	2969.8	2225.9	2047.3	2065.2	2103.8	2187.2
30°	11909.0	11471.6	10546.1	7034.7	4050.0	2702.0	2053.3	2005.7	2023.5	2089.0	2130.6
32.5°	12453.6	12289.9	10947.8	7335.3	3829.8	2469.9	1919.4	1874.7	1901.5	1999.7	2097.9
35°	13147.0	12822.6	11444.8	7412.7	3675.1	2377.7	1824.2	1791.4	1853.9	1922.3	2032.4
37.5°	13956.3	13733.2	12132.2	7359.1	3591.8	2282.4	1743.8	1728.9	1773.6	1868.8	1996.7
40°	14435.5	14367.0	12492.3	7391.8	3460.8	2199.1	1651.6	1669.4	1761.7	1836.1	1961.0
42.5°	14896.7	14450.3	13025.0	7379.9	3377.5	2086.0	1660.5	1639.7	1711.1	1797.4	1916.4
45°	14997.9	14554.5	13149.9	7296.6	3276.3	1975.9	1592.1	1601.0	1687.3	1794.4	1871.8
47.5°	14932.4	14605.1	13382.0	7272.8	3181.1	1898.5	1490.8	1598.0	1648.6	1734.9	1845.0
50°	14887.8	14870.0	13578.4	7385.9	3053.2	1776.5	1368.8	1559.3	1609.9	1696.2	1815.2
52.5°	15280.6	15241.9	14069.4	7683.4	2952.0	1645.6	1243.9	1461.1	1583.1	1666.5	1782.5
55°	15518.7	15349.0	14911.6	8049.5	2782.3	1473.0	1157.6	1339.1	1517.6	1592.1	1711.1
57.5°	13959.3	13843.3	13489.1	7513.8	2496.7	1246.8	1050.5	1214.1	1428.3	1544.4	1666.5
60°	11614.4	11432.9	10525.3	6386.0	1842.0	970.1	985.0	1115.9	1404.5	1449.2	1592.1
62.5°	10950.8	10501.5	9266.6	5139.1	1413.5	833.2	883.8	1026.7	1279.6	1354.0	1496.8
65°	8689.3	8355.9	6630.0	3710.8	946.3	723.1	806.4	925.4	1104.0	1249.8	1380.7
67.5°	5439.7	5121.3	3538.2	1755.7	660.6	619.0	720.1	845.1	991.0	1121.9	1267.7
70°	2841.8	2493.7	1633.7	633.8	455.3	505.9	601.1	720.1	862.9	970.1	1083.2
72.5°	1059.4	860.0	532.7	273.7	315.4	386.9	488.0	574.3	675.5	806.4	868.9
75°	163.6	139.8	136.9	166.6	214.2	279.7	348.2	434.5	523.7	607.1	648.7
77.5°	77.4	74.4	83.3	110.1	142.8	199.4	252.9	336.3	407.7	461.3	485.1
80°	50.6	47.6	53.6	74.4	107.1	148.8	202.3	258.9	324.4	369.0	363.1
82.5°	29.8	32.7	32.7	50.6	74.4	107.1	145.8	196.4	241.0	279.7	255.9
85°	17.9	14.9	14.9	29.8	50.6	86.3	122.0	83.3	86.3	86.3	98.2
87.5°	6.0	6.0	6.0	3.0	6.0	6.0	8.9	14.9	17.9	20.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8
2.5°	7859.0	7951.3	7918.6	7802.4	7891.7	7906.7	7847.1	8052.5	8091.1	8028.6	8046.5
5°	6371.1	6394.9	6448.5	6561.5	6642.0	6737.2	6737.2	6743.1	6662.8	6865.1	6805.6
7.5°	4963.6	4978.5	5041.0	5282.0	5350.4	5532.0	5609.3	5555.8	5395.1	5326.6	5383.2
10°	4285.1	4198.8	4178.0	4207.8	4362.5	4439.8	4505.3	4487.5	4460.7	4407.1	4347.6
12.5°	3832.8	3770.3	3719.7	3648.3	3657.2	3731.6	3782.2	3740.5	3752.4	3764.4	3782.2
15°	3341.8	3297.1	3270.4	3163.2	3151.3	3201.9	3219.8	3243.6	3288.2	3291.2	3270.4
17.5°	2821.0	2782.3	2841.8	2901.4	2859.8	2862.7	2895.5	2916.3	2904.4	2850.8	2824.0
20°	2463.9	2505.6	2565.1	2621.6	2666.3	2693.1	2705.0	2672.2	2633.5	2523.5	2520.5
22.5°	2359.8	2413.4	2463.9	2550.2	2591.9	2660.3	2597.8	2523.5	2469.9	2416.3	2353.9
25°	2282.4	2327.1	2428.2	2461.0	2541.3	2597.8	2553.2	2478.8	2386.6	2309.2	2261.6
27.5°	2225.9	2276.5	2342.0	2431.2	2493.7	2526.4	2481.8	2452.0	2356.8	2264.6	2196.1
30°	2190.1	2243.8	2362.8	2437.2	2490.7	2517.5	2440.1	2404.4	2336.0	2258.6	2199.1
32.5°	2166.3	2214.0	2315.2	2410.4	2446.1	2446.1	2458.0	2416.3	2321.1	2190.1	2139.5
35°	2089.0	2154.4	2237.8	2347.9	2413.4	2452.0	2392.5	2344.9	2282.4	2148.5	2056.2
37.5°	2044.3	2089.0	2196.1	2300.3	2356.8	2398.5	2374.7	2291.4	2208.0	2097.9	2023.5
40°	1996.7	2068.1	2163.4	2261.6	2324.1	2365.8	2347.9	2249.7	2148.5	2044.3	1993.8
42.5°	1964.0	2011.6	2109.8	2220.0	2294.3	2374.7	2321.1	2199.1	2127.6	1984.8	1928.3
45°	1937.2	2014.6	2118.7	2163.4	2240.8	2324.1	2228.9	2154.4	2071.1	1967.0	1919.4
47.5°	1904.5	1975.9	2044.3	2163.4	2199.1	2237.8	2220.0	2100.9	2029.5	1916.4	1883.7
50°	1892.6	1919.4	2044.3	2109.8	2160.4	2199.1	2151.4	2062.2	1993.8	1877.7	1806.3
52.5°	1845.0	1895.6	1975.9	2062.2	2124.7	2172.3	2094.9	2038.4	1946.1	1824.2	1779.5
55°	1785.5	1815.2	1958.0	2047.3	2080.0	2112.8	2083.0	1990.8	1895.6	1770.6	1726.0
57.5°	1708.1	1776.5	1892.6	2017.6	2059.2	2077.1	2029.5	1955.1	1836.1	1726.0	1654.6
60°	1627.8	1699.2	1827.1	1928.3	1969.9	2035.4	1964.0	1919.4	1782.5	1660.5	1583.1
62.5°	1547.4	1627.8	1723.0	1850.9	1886.6	1913.4	1895.6	1833.1	1723.0	1586.1	1490.8
65°	1452.2	1511.7	1630.8	1696.2	1720.0	1782.5	1720.0	1696.2	1598.0	1467.0	1386.7
67.5°	1309.3	1359.9	1464.1	1526.5	1544.4	1571.2	1568.2	1541.4	1431.3	1342.1	1270.7
70°	1145.7	1190.3	1255.8	1330.2	1339.1	1371.8	1342.1	1336.1	1264.7	1142.7	1104.0
72.5°	919.5	961.2	1047.5	1080.2	1083.2	1095.1	1080.2	1059.4	1041.5	913.5	874.8
75°	705.2	729.1	770.7	800.5	800.5	815.3	806.4	785.6	738.0	657.6	619.0
77.5°	491.0	514.8	568.4	586.2	583.3	589.2	562.4	541.6	470.2	428.5	395.8
80°	357.1	372.0	398.8	410.7	413.7	422.6	389.9	372.0	330.3	282.7	267.8
82.5°	258.9	267.8	270.8	285.6	285.6	270.8	261.8	244.0	214.2	184.5	172.6
85°	107.1	110.1	113.1	130.9	133.9	160.7	148.8	139.8	122.0	104.1	95.2
87.5°	26.8	29.8	38.7	32.7	38.7	38.7	41.7	47.6	47.6	38.7	38.7
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°	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8
2.5°	8114.9	8138.7	8442.2	8480.9	8629.8	8781.5	9088.0	9308.2	9486.7	9602.8	9635.5
5°	6868.1	7019.8	7159.7	7385.9	7591.2	7882.8	8219.1	8635.7	9159.4	9427.2	9534.4
7.5°	5377.3	5555.8	5758.1	5978.3	6278.9	6802.6	7251.9	7734.0	8403.5	8680.3	9099.9
10°	4389.3	4588.6	4856.5	5026.1	5389.2	5889.0	6412.8	6969.2	7609.0	8007.8	8492.8
12.5°	3880.4	4044.0	4291.1	4648.1	4919.0	5243.3	5633.1	6335.4	7251.9	7629.9	7963.2
15°	3318.0	3499.5	3785.2	4181.0	4505.3	4892.2	5329.6	6094.4	7070.4	7653.7	7936.4
17.5°	2853.8	2984.7	3285.2	3627.5	3999.4	4422.0	5049.9	6082.5	7260.8	8007.8	8469.0
20°	2532.4	2550.2	2713.9	3005.5	3511.4	4061.9	4877.3	6023.0	7870.9	8617.9	9201.1
22.5°	2330.1	2312.2	2315.2	2562.1	2916.3	3707.8	4606.5	6225.3	8564.3	9587.9	9980.7
25°	2228.9	2181.2	2151.4	2205.0	2526.4	3288.2	4401.2	6493.1	9311.2	10388.4	10870.5
27.5°	2175.3	2091.9	2032.4	2041.4	2276.5	3077.0	4273.2	6609.1	10052.2	11504.3	11673.9
30°	2154.4	2050.3	1964.0	1934.2	2089.0	2782.3	3999.4	6808.6	10715.7	12117.3	12263.1
32.5°	2080.0	1952.1	1868.8	1842.0	1904.5	2523.5	3803.0	6951.4	11302.0	12783.9	12733.3
35°	1993.8	1886.6	1782.5	1731.9	1776.5	2356.8	3645.3	6883.0	11992.3	13301.7	13274.9
37.5°	1984.8	1845.0	1758.7	1675.4	1672.4	2151.4	3431.0	6948.4	12432.8	14230.2	13864.1
40°	1907.5	1818.2	1705.1	1636.7	1598.0	2047.3	3222.7	6793.7	13078.5	14605.1	14245.0
42.5°	1910.4	1776.5	1678.4	1598.0	1559.3	1895.6	3079.9	6752.0	13304.7	15215.1	14423.6
45°	1862.8	1731.9	1648.6	1553.3	1532.5	1779.5	2943.1	6558.6	13703.4	15244.9	14200.3
47.5°	1815.2	1699.2	1609.9	1496.8	1449.2	1737.9	2835.9	6397.9	13495.1	14965.2	13890.9
50°	1782.5	1648.6	1565.2	1484.9	1351.0	1666.5	2696.0	6359.2	13203.5	14587.2	13316.6
52.5°	1726.0	1607.0	1520.6	1458.1	1243.9	1601.0	2642.5	6585.3	13560.5	14304.5	13149.9
55°	1672.4	1550.3	1440.3	1318.3	1154.6	1428.3	2493.7	6796.7	14081.3	14956.2	13905.8
57.5°	1615.9	1499.8	1380.7	1234.9	1068.3	1249.8	2339.0	6835.4	13105.3	13822.5	13200.5
60°	1541.4	1392.6	1303.4	1113.0	976.1	1035.6	1853.9	6026.0	10165.2	11543.0	11563.8
62.5°	1458.1	1297.4	1220.1	996.9	880.8	892.7	1511.7	5064.8	8245.9	9555.2	10123.6
65°	1348.0	1193.3	1101.1	922.5	812.4	773.7	1107.0	3710.8	6264.0	7751.9	8397.6
67.5°	1205.2	1059.4	943.3	803.4	726.1	663.6	755.8	2089.0	3698.9	5204.6	5401.1
70°	1053.4	928.4	806.4	690.4	604.1	559.5	553.5	925.4	1767.6	2800.2	3187.0
72.5°	830.2	741.0	642.8	556.5	499.9	434.5	395.8	383.9	598.1	1139.7	1574.1
75°	595.2	520.8	464.2	407.7	366.1	330.3	300.5	273.7	249.9	285.6	392.8
77.5°	375.0	348.2	303.5	288.6	264.8	255.9	244.0	229.1	211.3	199.4	199.4
80°	252.9	235.1	220.2	217.2	208.3	205.3	208.3	193.4	175.5	160.7	166.6
82.5°	169.6	166.6	163.6	160.7	163.6	166.6	172.6	169.6	154.7	145.8	148.8
85°	101.2	107.1	113.1	119.0	130.9	116.0	95.2	80.3	71.4	65.5	62.5
87.5°	38.7	53.6	47.6	44.6	47.6	44.6	41.7	38.7	32.7	29.8	29.8
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: P648934

CATALOG NUMBER: GLAN-SA5C-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8	9111.8
2.5°	9852.8	9912.3	9962.9	9951.0	9846.9	9706.9	9650.4	9361.8	9302.3	9263.6
5°	9986.7	10331.8	10406.2	10361.6	10090.8	9748.6	9415.3	8992.8	8745.8	8736.9
7.5°	9739.7	10165.2	10299.1	10400.3	10040.3	9445.1	8873.7	8239.9	8085.2	8097.1
10°	9111.8	9790.2	10120.6	10224.7	9811.1	9296.3	8504.7	7861.9	7531.7	7525.7
12.5°	8763.6	9296.3	9388.6	9534.4	9412.4	8891.6	8290.5	7570.4	7248.9	7243.0
15°	8454.1	8805.3	8832.1	9037.4	9102.8	8751.7	8347.0	7579.3	7320.4	7293.6
17.5°	8725.0	8480.9	8379.7	8406.5	8600.0	8727.9	8674.4	8085.2	7820.3	7671.5
20°	8906.5	8361.9	8055.4	8085.2	8314.3	8781.5	9162.4	8817.2	8397.6	8415.4
22.5°	9391.5	8379.7	7900.6	7867.9	8231.0	9061.2	9712.9	9742.6	9338.0	9239.8
25°	10117.6	8585.1	7853.0	7844.1	8192.3	9361.8	10355.6	10837.7	10424.1	10242.6
27.5°	10700.9	8906.5	8001.9	8031.6	8314.3	9605.8	10903.2	11543.0	11227.6	11004.4
30°	11212.7	9239.8	8210.1	8073.3	8641.7	9733.7	11138.3	12346.5	12093.5	11909.0
32.5°	11424.0	9712.9	8540.5	8314.3	8912.4	9888.5	11626.3	13126.1	12908.9	12453.6
35°	11781.1	9977.8	8719.0	8701.2	9385.6	10260.4	11855.5	13641.0	13551.6	13147.0
37.5°	12066.7	10245.6	9352.9	9156.4	10034.3	10885.3	12224.4	14352.2	14146.8	13956.3
40°	12286.9	10724.7	9945.0	10203.9	10831.8	11453.7	12563.7	14396.8	14989.0	14435.5
42.5°	12084.6	11153.2	10918.1	11537.0	12132.2	12102.4	12602.4	14741.9	15185.3	14896.7
45°	12034.0	11879.3	12456.6	13019.0	13155.9	12641.1	12325.6	14361.1	15125.8	14997.9
47.5°	11912.0	12593.5	13599.3	14515.8	14307.5	13001.2	11995.3	14292.6	15161.5	14932.4
50°	11870.4	12748.2	14444.4	15337.1	15212.1	13313.6	11840.6	13852.2	14908.6	14887.8
52.5°	11867.4	13066.6	14795.5	15783.5	15860.8	13807.6	12051.9	14075.4	15105.0	15280.6
55°	12001.3	12965.5	14750.9	15536.5	15506.8	13587.3	12075.7	14224.1	15346.0	15518.7
57.5°	11319.8	11614.4	12173.8	12795.8	12635.1	11254.4	10784.2	13149.9	14084.3	13959.3
60°	9775.4	8852.9	8222.0	8192.3	7879.8	7448.4	8826.1	11736.5	11736.5	11614.4
62.5°	8561.3	5811.7	4993.3	4761.3	4984.4	5481.4	8513.6	11415.0	11090.7	10950.8
65°	7487.0	4436.9	3609.6	3544.2	3931.0	4680.9	7698.3	9724.8	9153.4	8689.3
67.5°	4817.8	3249.5	2684.1	2568.1	3035.3	3437.0	5124.3	5981.3	5621.2	5439.7
70°	3106.7	2115.7	1493.8	1401.6	1583.1	2118.7	3273.3	3487.6	2963.9	2841.8
72.5°	1470.0	913.5	523.7	431.5	485.1	809.4	1294.5	1392.6	1157.6	1059.4
75°	467.2	336.3	214.2	184.5	175.5	208.3	297.5	229.1	166.6	163.6
77.5°	208.3	199.4	169.6	142.8	125.0	104.1	86.3	71.4	74.4	77.4
80°	172.6	157.7	139.8	125.0	104.1	80.3	62.5	47.6	47.6	50.6
82.5°	151.7	136.9	122.0	104.1	89.3	65.5	47.6	32.7	29.8	29.8
85°	65.5	77.4	83.3	89.3	71.4	53.6	32.7	20.8	17.9	17.9
87.5°	26.8	23.8	20.8	17.9	14.9	14.9	11.9	8.9	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)