

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: P650470

Luminaire Tested: **GLAN-SA6B-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650470
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: STREETWORKS
Catalog Number: GLAN-SA6B-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 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: 19676.8 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - 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

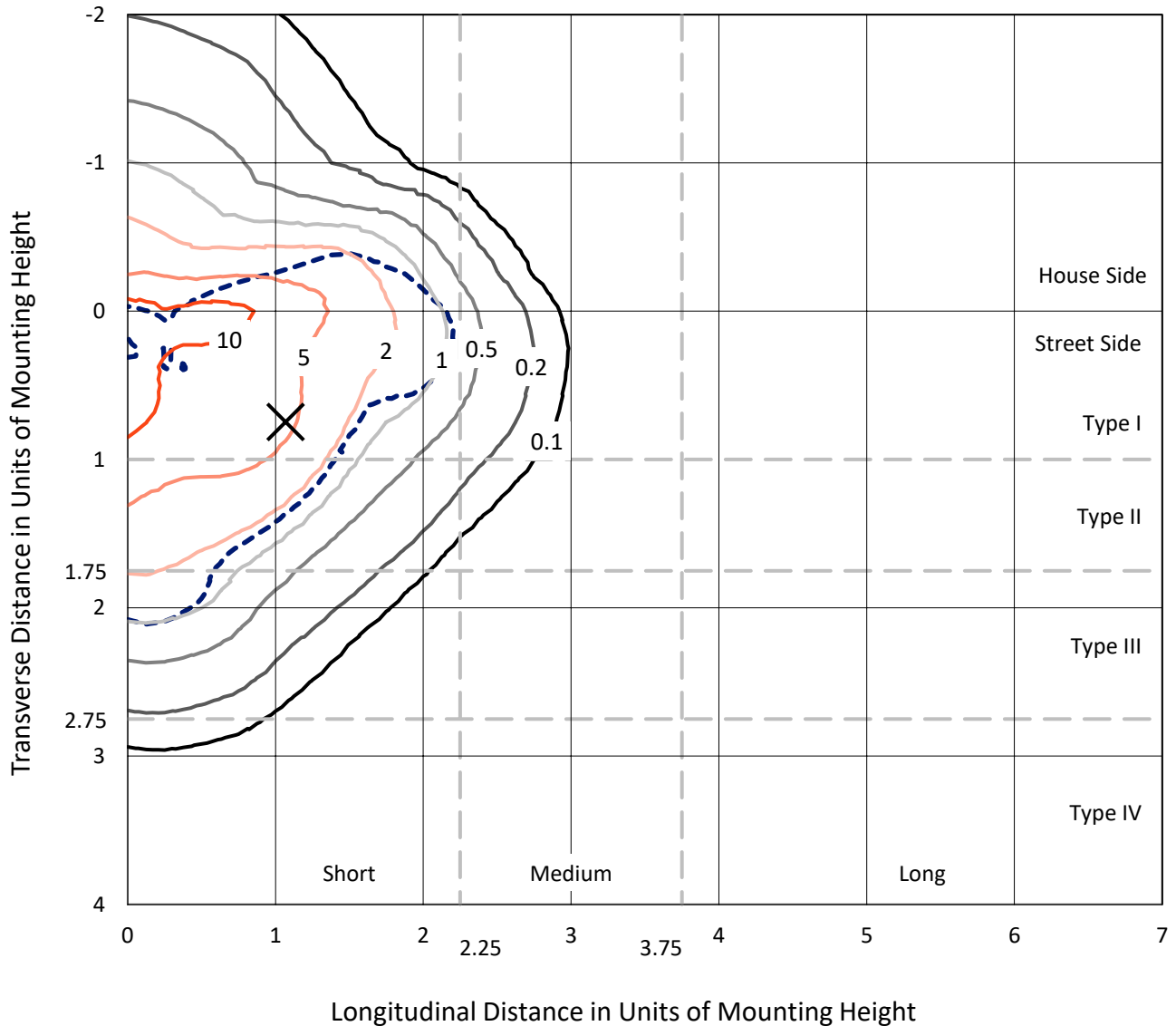




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Iso-Footcandle Lines of Horizontal Illumination

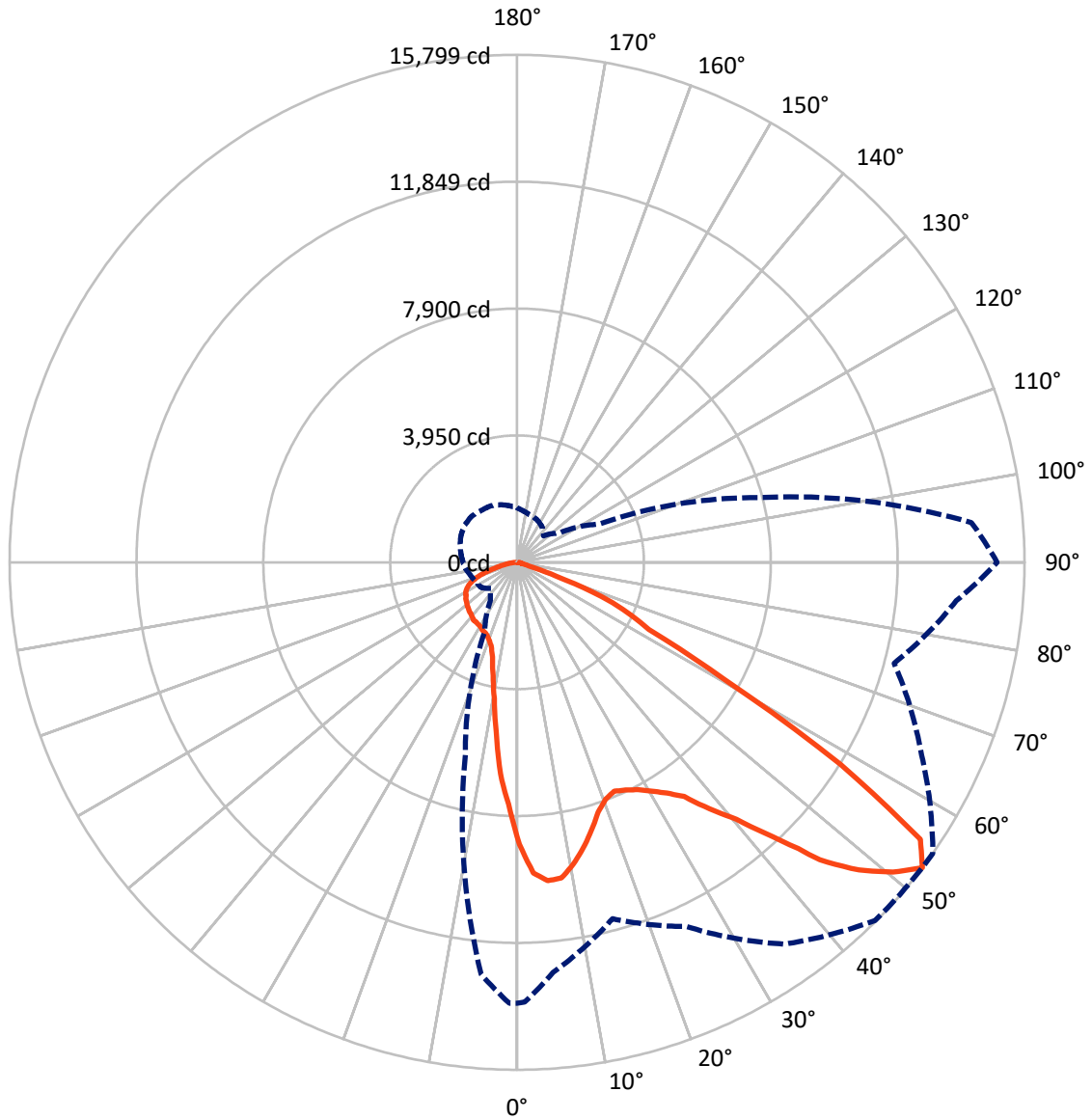
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6002.5	0.0	6002.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	13674.3	0.0	13674.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	19676.8	0.0	19676.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.6	3.4
10°-20°	1445.8	7.3
20°-30°	2192.4	11.1
30°-40°	3167.6	16.1
40°-50°	4232.8	21.5
50°-60°	4724.8	24.0
60°-70°	2591.8	13.2
70°-80°	560.3	2.8
80°-90°	90.6	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°	19676.8	100.0
0°-180°	19676.8	100.0

Coefficient of Utilization



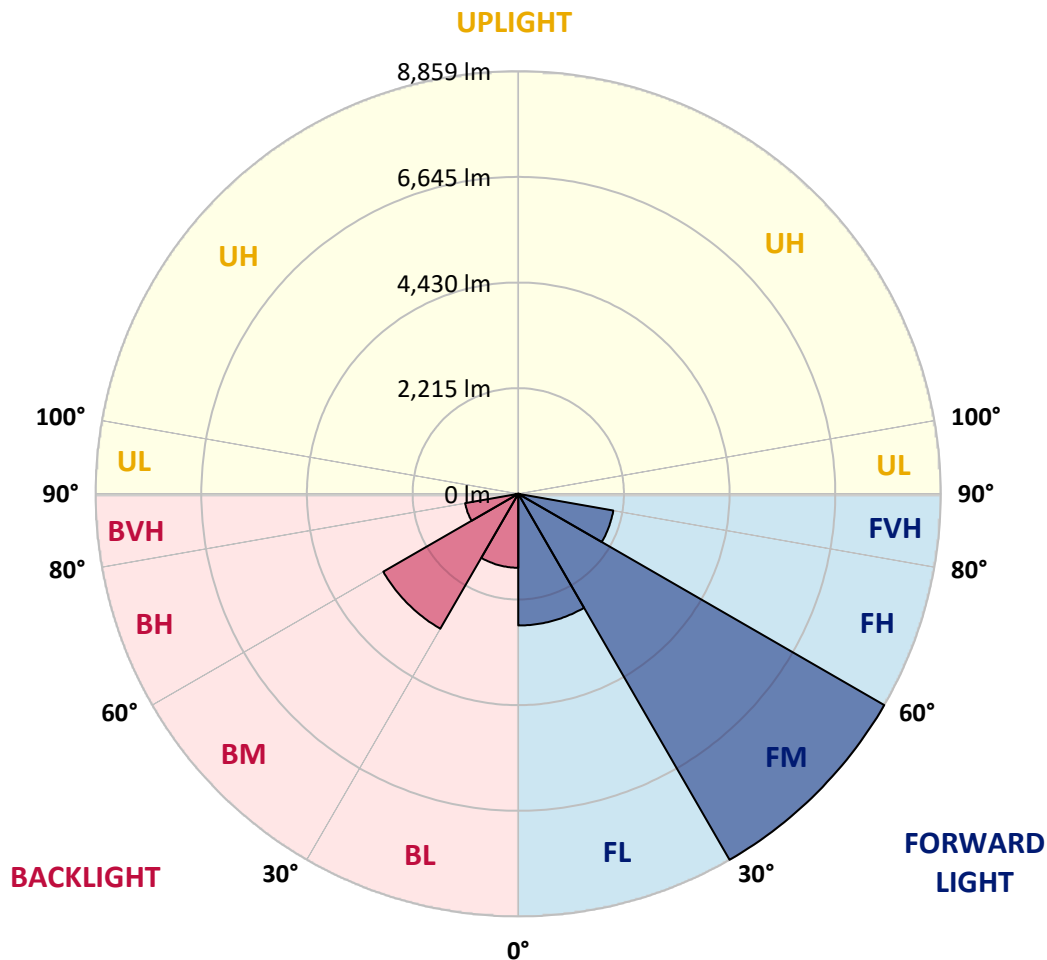
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2759.0	14.0			
FM (30°-60°)	8859.4	45.0			
FH (60°-80°)	2022.3	10.3			G2/5000
FVH (80°-90°)	33.6	0.2			G1/100
BL (0°-30°)	1549.8	7.9	B3/2500		
BM (30°-60°)	3265.8	16.6	B3/5000		
BH (60°-80°)	1129.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	57.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4
2.5°	9211.2	9159.5	9205.5	9423.8	9550.3	9636.5	9691.0	9682.4	9475.6	9274.4	9274.4
5°	8941.2	8875.1	8969.9	9464.0	9961.1	10004.2	10076.0	9958.2	9653.7	9285.9	8826.2
7.5°	8159.6	8208.5	8366.5	9015.9	9662.3	9986.9	10073.1	9923.7	9429.6	8742.9	8067.7
10°	7484.5	7599.4	7964.3	8665.3	9260.1	9682.4	9777.2	9567.5	9176.8	8334.9	7731.6
12.5°	7251.8	7180.0	7585.0	8286.1	8854.9	9081.9	9125.0	9139.4	8875.1	8128.0	7392.5
15°	7223.0	7269.0	7585.0	8116.6	8467.0	8478.6	8550.4	8662.4	8696.9	8268.8	7550.5
17.5°	7636.8	7582.2	7906.8	8329.2	8162.5	7995.9	8013.1	8174.1	8458.4	8389.5	8047.6
20°	8248.7	8372.2	8628.0	8584.9	8136.7	7714.4	7717.2	7869.5	8429.7	8889.4	8740.0
22.5°	9265.8	9386.4	9576.1	9056.1	8136.7	7631.0	7533.3	7740.2	8613.6	9484.2	9521.5
25°	10193.8	10415.1	10466.8	9854.8	8544.6	7708.6	7645.4	7849.3	8797.5	10064.5	10417.9
27.5°	11038.5	11119.0	11345.9	10369.1	8771.6	7760.3	7754.5	8016.0	9030.2	10354.7	11219.5
30°	11705.1	11696.5	11825.7	10693.7	9133.6	8050.5	7771.7	8266.0	9334.8	10834.5	11960.8
32.5°	12159.1	12256.7	12529.6	11144.8	9285.9	8326.3	8108.0	8559.1	9705.4	11061.5	12483.7
35°	12957.8	13127.2	12782.5	11394.8	9768.6	8599.2	8343.5	8958.4	9889.3	11308.6	13124.4
37.5°	13710.5	13581.2	13230.7	11529.8	10081.8	9104.9	8866.5	9731.3	10461.0	11845.9	13549.6
40°	14193.2	14190.3	13566.9	11639.0	10303.0	9877.8	9863.4	10515.6	11162.1	12184.9	14026.6
42.5°	14402.9	14604.0	13704.8	11627.5	10768.4	10814.4	11104.6	11687.8	11659.1	12253.9	14015.1
44°	14690.3	14810.9	13943.3	11653.4	11078.7	11446.5	12130.3	12500.9	12093.0	12216.5	14000.7
45°	14678.7	14687.4	13604.2	11687.8	11343.1	11975.1	12587.1	13213.4	12475.1	12136.0	14190.3
47.5°	14342.6	14244.9	13316.9	11432.1	12167.7	13371.4	13937.5	14316.8	12946.3	11963.7	13954.7
50°	13678.9	13566.9	12618.7	11323.0	12340.0	14239.2	15020.7	15158.6	13374.3	11794.2	13722.0
52.5°	13724.9	13693.3	12817.0	11486.7	12512.4	14512.1	15764.8	15799.3	13859.9	12150.4	13724.9
55°	14546.6	14437.4	13385.9	11690.7	12386.0	14193.2	15290.7	15230.4	13696.2	11935.0	13977.7
57.5°	13311.2	13383.0	12598.6	10883.4	10840.2	11538.4	12021.1	11871.7	11429.3	10771.3	13003.8
60°	10739.7	10943.7	11018.4	9102.1	8179.8	7820.6	7677.0	7412.7	7487.4	8849.2	11423.5
62.5°	9211.2	9199.7	9668.0	8251.6	5358.4	4608.5	4539.5	4599.9	5461.8	8711.3	11187.9
65°	7303.4	7498.9	7642.5	6993.1	4240.7	3421.9	3419.0	3801.2	4726.3	7280.5	9033.1
67.5°	4637.2	4892.9	5071.0	4473.4	2835.8	2436.4	2370.3	2830.0	3275.4	4775.1	5438.8
70°	2614.5	2735.2	2815.7	2580.1	1804.3	1264.2	1189.5	1298.7	1979.6	3091.4	3223.6
72.5°	1008.4	1063.1	1172.2	1180.8	680.9	408.0	330.4	396.5	833.2	1224.0	1166.5
75°	155.1	166.6	235.6	281.6	195.4	149.4	158.0	163.8	232.7	316.0	264.3
77.5°	74.7	74.7	71.8	83.3	97.7	106.3	114.9	126.5	137.9	152.3	146.5
80°	48.9	48.9	48.9	57.5	71.8	86.2	97.7	103.4	109.2	120.7	114.9
82.5°	31.6	31.6	31.6	43.1	57.5	71.8	77.6	91.9	103.4	120.7	112.0
85°	17.2	17.2	17.2	28.7	43.1	60.4	57.5	46.0	25.8	2.9	5.7
87.5°	5.7	5.7	5.7	5.7	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°	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4
2.5°	9033.1	8900.9	8889.4	8619.3	8378.0	8260.2	8165.4	7901.1	7958.6	7806.3	7803.4
5°	8596.4	8326.3	7889.6	7530.4	7171.3	7099.5	6786.3	6513.4	6522.0	6326.6	6361.1
7.5°	7812.0	7625.2	7093.7	6530.6	6053.7	5714.6	5418.7	5240.5	5013.5	4936.0	4895.8
10°	7314.9	7085.1	6487.5	5780.7	5246.3	5065.3	4780.8	4622.8	4390.1	4275.2	4194.8
12.5°	7096.6	6760.4	6013.4	5295.1	4938.9	4752.1	4510.8	4223.5	3947.7	3841.3	3694.8
15°	7119.6	6717.4	5875.6	5099.8	4671.7	4309.7	4094.2	3775.3	3493.7	3306.9	3200.7
17.5°	7467.2	6978.8	5938.7	4950.4	4335.5	3881.6	3459.2	3114.5	2890.4	2749.6	2715.1
20°	8288.9	7625.2	6045.1	4709.0	3999.4	3433.4	2913.3	2554.2	2381.8	2378.9	2381.8
22.5°	8972.7	8314.8	6260.6	4565.4	3663.2	2858.7	2341.6	2226.7	2192.2	2264.0	2272.7
25°	9895.0	9090.6	6631.1	4490.7	3353.0	2436.4	2117.5	2074.4	2071.5	2163.4	2166.3
27.5°	10840.2	9768.6	6852.3	4272.4	3036.9	2218.1	1982.5	1973.9	2019.8	2117.5	2108.9
30°	11483.9	10337.5	7251.8	4010.8	2663.4	2025.5	1927.8	1939.3	2002.6	2077.3	2088.7
32.5°	12233.7	10897.7	7355.2	3867.2	2433.6	1864.6	1795.7	1821.6	1902.0	2019.8	2083.0
35°	13092.8	11294.2	7513.2	3671.9	2347.4	1741.1	1706.6	1735.4	1833.1	1910.6	1979.6
37.5°	13727.7	11995.2	7541.9	3519.6	2252.5	1672.2	1617.6	1712.3	1769.8	1879.0	1913.5
40°	14198.9	12503.8	7616.6	3424.8	2177.8	1583.1	1583.1	1646.3	1723.9	1824.4	1893.4
42.5°	14500.6	12874.4	7671.2	3338.6	2034.2	1557.2	1542.9	1606.1	1709.5	1807.2	1838.8
44°	14684.5	13032.5	7616.6	3258.1	1993.9	1525.6	1525.6	1580.3	1660.7	1775.6	1813.0
45°	14730.5	13230.7	7496.0	3255.2	1945.1	1488.2	1482.5	1586.0	1640.5	1781.3	1804.3
47.5°	14908.6	13474.9	7510.3	3163.3	1827.3	1399.2	1499.8	1545.7	1594.6	1718.1	1795.7
50°	14902.8	13627.2	7478.7	3028.3	1741.1	1298.7	1465.3	1517.0	1565.8	1692.3	1723.9
52.5°	14943.1	14196.1	7768.9	2812.8	1586.0	1169.3	1350.4	1465.3	1525.6	1631.9	1698.0
55°	14923.0	14520.7	8056.2	2651.9	1367.6	1091.8	1252.6	1387.7	1473.9	1586.0	1617.6
57.5°	13630.1	12834.2	7455.7	2350.2	1132.0	999.8	1114.8	1307.3	1416.4	1531.4	1571.6
60°	11136.2	9892.1	6148.5	1729.6	930.9	919.4	1037.2	1281.4	1327.3	1428.0	1496.9
62.5°	10291.5	8676.8	4875.7	1321.6	795.8	841.8	956.7	1157.9	1229.7	1353.3	1416.4
65°	8053.3	5763.5	3019.6	893.6	701.0	755.6	864.8	1014.2	1132.0	1246.9	1321.6
67.5°	4769.4	3148.9	1494.0	626.3	612.0	669.5	781.5	893.6	1028.5	1155.0	1192.4
70°	2597.3	1548.6	637.8	476.9	520.1	571.7	680.9	758.5	887.8	985.5	1048.7
72.5°	833.2	471.2	318.9	353.4	396.5	456.8	522.9	617.7	709.6	767.1	818.9
75°	201.2	198.3	227.0	247.1	287.3	333.2	387.9	436.7	508.6	563.1	609.1
77.5°	140.8	152.3	175.2	204.0	218.4	235.6	270.1	307.4	339.0	379.3	408.0
80°	109.2	117.8	135.1	149.4	163.8	178.1	195.4	209.8	229.8	255.7	270.1
82.5°	103.4	109.2	126.5	135.1	129.3	126.5	137.9	143.7	146.5	155.1	163.8
85°	8.6	0.0	5.7	20.1	48.9	71.8	77.6	77.6	74.7	80.4	80.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	11.5	8.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4
2.5°	7768.9	7671.2	7708.6	7754.5	7688.4	7536.2	7576.4	7559.2	7714.4	7702.8	7858.0
5°	6513.4	6361.1	6378.3	6602.4	6530.6	6608.1	6453.0	6432.9	6461.6	6476.0	6501.9
7.5°	4984.9	4964.8	5137.1	5326.7	5415.9	5323.9	5171.6	5137.1	5105.6	5042.3	5186.0
10°	4068.3	4074.1	4062.6	4206.3	4306.8	4286.7	4194.8	4183.3	4122.9	4099.9	4180.4
12.5°	3631.6	3554.0	3516.7	3470.7	3548.3	3600.0	3559.8	3531.1	3533.9	3562.6	3574.2
15°	3209.3	3160.4	3080.0	3028.3	3065.6	3039.8	3025.4	3082.8	3068.5	3062.7	3131.7
17.5°	2735.2	2775.4	2769.7	2712.2	2761.1	2741.0	2738.1	2697.8	2643.3	2603.0	2626.0
20°	2422.1	2496.8	2554.2	2557.0	2583.0	2580.1	2537.0	2413.4	2373.2	2364.6	2370.3
22.5°	2310.0	2350.2	2419.2	2516.9	2516.9	2470.9	2419.2	2275.5	2238.1	2198.0	2180.7
25°	2220.9	2298.5	2387.5	2399.0	2445.0	2401.9	2318.6	2246.7	2169.2	2114.6	2114.6
27.5°	2174.9	2261.1	2327.2	2347.4	2410.5	2376.1	2289.9	2198.0	2106.0	2103.1	2054.3
30°	2154.8	2235.3	2278.4	2327.2	2356.0	2301.4	2275.5	2177.8	2085.9	2062.9	1982.5
32.5°	2094.5	2209.4	2289.9	2278.4	2301.4	2278.4	2241.0	2160.6	2057.2	2005.4	1996.8
35°	2025.5	2140.5	2226.7	2287.0	2301.4	2252.5	2229.5	2120.4	1979.6	1953.7	1864.6
37.5°	1988.2	2057.2	2163.4	2261.1	2281.3	2255.4	2177.8	2065.8	1925.0	1896.3	1818.7
40°	1942.2	2031.3	2114.6	2195.1	2255.4	2192.2	2103.1	1993.9	1930.7	1844.5	1821.6
42.5°	1907.8	2008.3	2077.3	2166.3	2235.3	2152.0	2048.6	1973.9	1884.8	1827.3	1761.2
44°	1896.3	1988.2	2034.2	2143.3	2200.8	2137.6	2051.4	1973.9	1870.4	1818.7	1761.2
45°	1856.0	1982.5	2031.3	2129.0	2177.8	2126.1	2016.9	1939.3	1864.6	1801.4	1741.1
47.5°	1815.8	1902.0	1985.3	2062.9	2097.3	2080.1	1988.2	1893.4	1804.3	1767.0	1709.5
50°	1804.3	1890.5	1968.1	2039.9	2080.1	2045.7	1962.4	1870.4	1767.0	1706.6	1657.8
52.5°	1746.9	1853.1	1939.3	1962.4	2014.0	1993.9	1930.7	1830.2	1732.5	1680.8	1640.5
55°	1663.6	1775.6	1893.4	1922.1	1996.8	1965.2	1870.4	1775.6	1692.3	1614.7	1562.9
57.5°	1631.9	1741.1	1856.0	1893.4	1939.3	1887.7	1864.6	1764.1	1631.9	1591.7	1511.3
60°	1551.5	1689.4	1784.2	1870.4	1873.2	1858.9	1818.7	1703.7	1594.6	1519.9	1462.4
62.5°	1488.2	1617.6	1692.3	1772.7	1821.6	1781.3	1741.1	1634.8	1517.0	1433.7	1367.6
65°	1396.3	1514.2	1577.4	1626.2	1680.8	1675.0	1606.1	1528.5	1404.9	1338.9	1275.7
67.5°	1255.5	1359.0	1445.2	1491.1	1525.6	1517.0	1465.3	1410.7	1284.3	1218.2	1172.2
70°	1086.0	1192.4	1246.9	1272.8	1307.3	1324.5	1284.3	1258.4	1146.4	1060.2	1017.1
72.5°	873.4	942.4	1022.8	1045.9	1060.2	1071.7	1071.7	1048.7	933.7	899.3	824.6
75°	643.5	698.2	758.5	758.5	784.3	787.2	792.9	778.6	692.4	646.4	629.2
77.5°	436.7	476.9	525.8	545.9	563.1	560.2	557.4	517.2	471.2	451.1	433.9
80°	284.5	324.6	347.7	373.5	390.7	387.9	393.6	364.9	344.8	310.3	316.0
82.5°	169.5	201.2	224.1	255.7	255.7	264.3	264.3	255.7	235.6	218.4	218.4
85°	80.4	106.3	120.7	140.8	152.3	155.1	137.9	117.8	97.7	89.1	97.7
87.5°	14.3	20.1	28.7	25.8	31.6	28.7	28.7	28.7	28.7	23.0	25.8
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: P650470

CATALOG NUMBER: GLAN-SA6B-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4	8777.4
2.5°	7800.5	7944.2	8044.7	8211.4	8498.7	8728.5	8964.1	9139.4	9159.5	9211.2
5°	6596.7	6674.2	6929.9	7263.3	7498.9	7886.7	8136.7	8590.6	8760.1	8941.2
7.5°	5151.5	5277.9	5619.8	5843.9	6361.1	6846.6	7349.4	7909.7	8133.8	8159.6
10°	4344.2	4528.0	4760.7	5119.9	5401.4	5941.6	6568.0	7191.4	7441.4	7484.5
12.5°	3815.5	4051.1	4361.4	4619.9	4890.1	5361.2	5961.7	6731.7	7056.4	7251.8
15°	3306.9	3551.1	3893.1	4252.2	4490.7	5053.8	5760.6	6628.3	7050.6	7223.0
17.5°	2784.0	3011.0	3292.6	3680.5	4160.2	4792.4	5729.0	6973.1	7435.6	7636.8
20°	2335.8	2462.2	2789.8	3189.2	3789.6	4525.2	5740.5	7481.6	8159.6	8248.7
22.5°	2160.6	2189.3	2318.6	2686.4	3344.3	4252.2	5944.5	8202.8	8972.7	9265.8
25°	2025.5	2019.8	2054.3	2301.4	3019.6	4145.9	6145.6	8866.5	9874.9	10193.8
27.5°	1950.8	1893.4	1896.3	2129.0	2789.8	3973.5	6404.2	9627.8	10897.7	11038.5
30°	1913.5	1902.0	1867.5	1962.4	2539.8	3714.9	6447.3	10377.7	11501.1	11705.1
32.5°	1890.5	1778.4	1735.4	1769.8	2304.2	3433.4	6608.1	10871.9	12248.1	12159.1
35°	1775.6	1675.0	1646.3	1680.8	2137.6	3275.4	6501.9	11302.8	12808.3	12957.8
37.5°	1732.5	1643.4	1586.0	1557.2	1982.5	3143.2	6447.3	11966.5	13351.4	13710.5
40°	1692.3	1597.5	1528.5	1499.8	1861.8	2968.0	6430.0	12478.0	13977.7	14193.2
42.5°	1646.3	1586.0	1508.4	1456.7	1715.2	2792.6	6231.8	12636.0	14170.2	14402.9
44°	1631.9	1540.0	1459.5	1442.3	1657.8	2703.6	6191.6	12779.7	14336.9	14690.3
45°	1617.6	1531.4	1439.5	1416.4	1637.6	2654.8	6137.0	12814.1	14612.7	14678.7
47.5°	1577.4	1522.8	1433.7	1370.5	1594.6	2548.4	5973.2	12618.7	14331.1	14342.6
50°	1545.7	1482.5	1390.6	1267.1	1537.1	2459.4	6047.9	12546.9	13653.0	13678.9
52.5°	1511.3	1416.4	1364.8	1152.1	1442.3	2384.7	6205.9	12871.6	13730.6	13724.9
55°	1471.0	1367.6	1241.2	1054.5	1284.3	2289.9	6588.1	13512.2	14448.9	14546.6
57.5°	1407.8	1318.7	1137.8	968.3	1103.2	2108.9	6464.5	12285.4	13293.9	13311.2
60°	1324.5	1241.2	1031.4	902.2	905.1	1663.6	5780.7	9573.2	10489.8	10739.7
62.5°	1244.0	1198.1	942.4	807.4	770.0	1324.5	4887.2	7955.7	9004.3	9211.2
65°	1149.2	1037.2	864.8	735.6	660.9	928.0	3462.1	5944.5	7024.8	7303.4
67.5°	1028.5	907.9	761.4	646.4	566.0	620.6	1787.0	3378.8	4473.4	4637.2
70°	899.3	787.2	640.7	545.9	456.8	428.1	787.2	1611.8	2445.0	2614.5
72.5°	738.4	634.9	511.4	431.0	341.9	295.9	264.3	431.0	867.6	1008.4
75°	534.4	462.6	385.0	307.4	241.3	189.6	155.1	129.3	143.7	155.1
77.5°	393.6	336.1	284.5	218.4	169.5	135.1	106.3	80.4	77.6	74.7
80°	307.4	273.0	227.0	175.2	132.2	100.5	74.7	54.6	48.9	48.9
82.5°	241.3	224.1	186.7	143.7	109.2	80.4	54.6	37.3	31.6	31.6
85°	91.9	91.9	135.1	117.8	83.3	57.5	37.3	20.1	17.2	17.2
87.5°	23.0	23.0	23.0	23.0	20.1	17.2	17.2	8.6	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)