

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: P532786

Luminaire Tested: **GLAN-SA8A-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532786
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-SA8A-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA 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: 21854 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

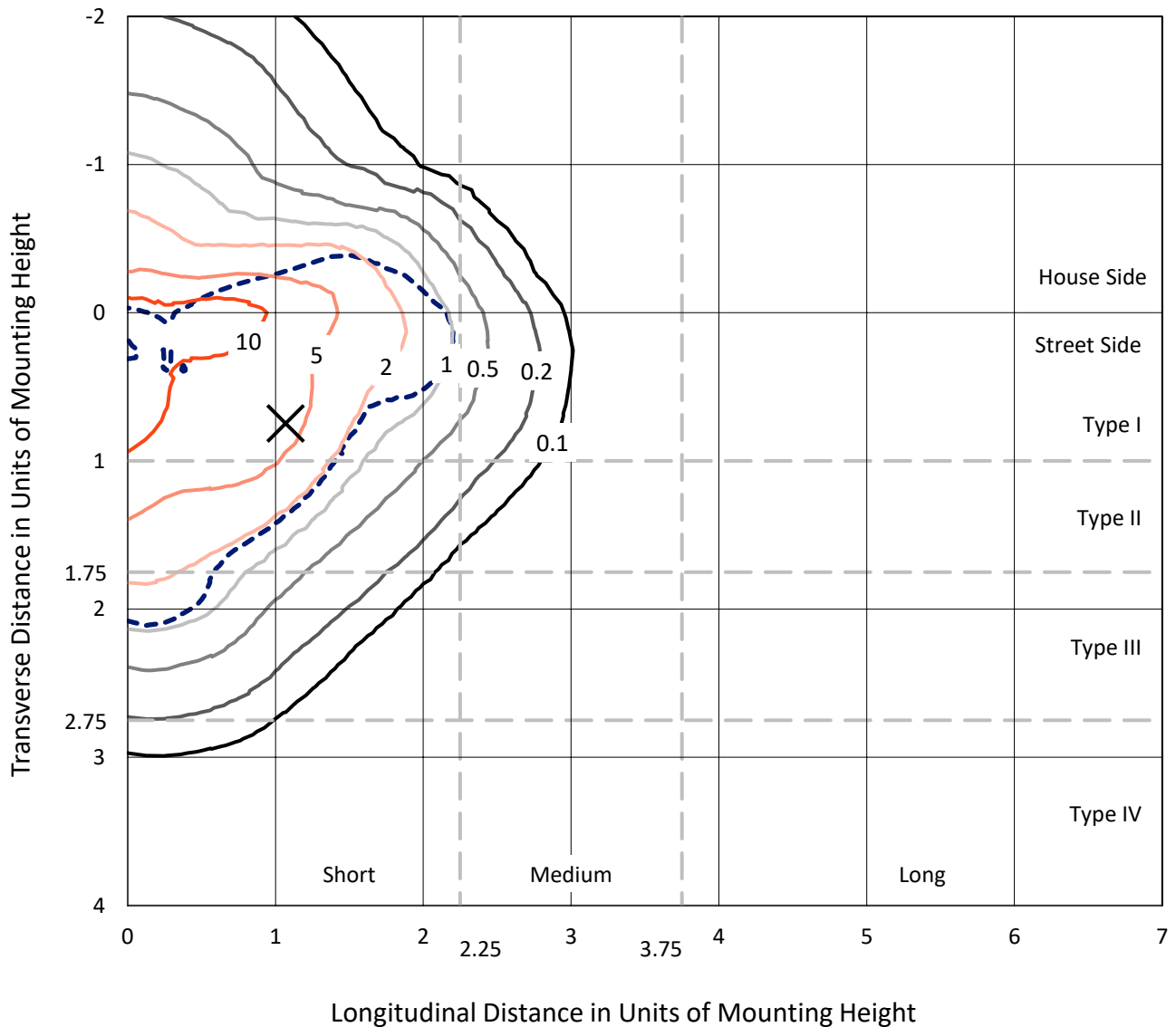
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

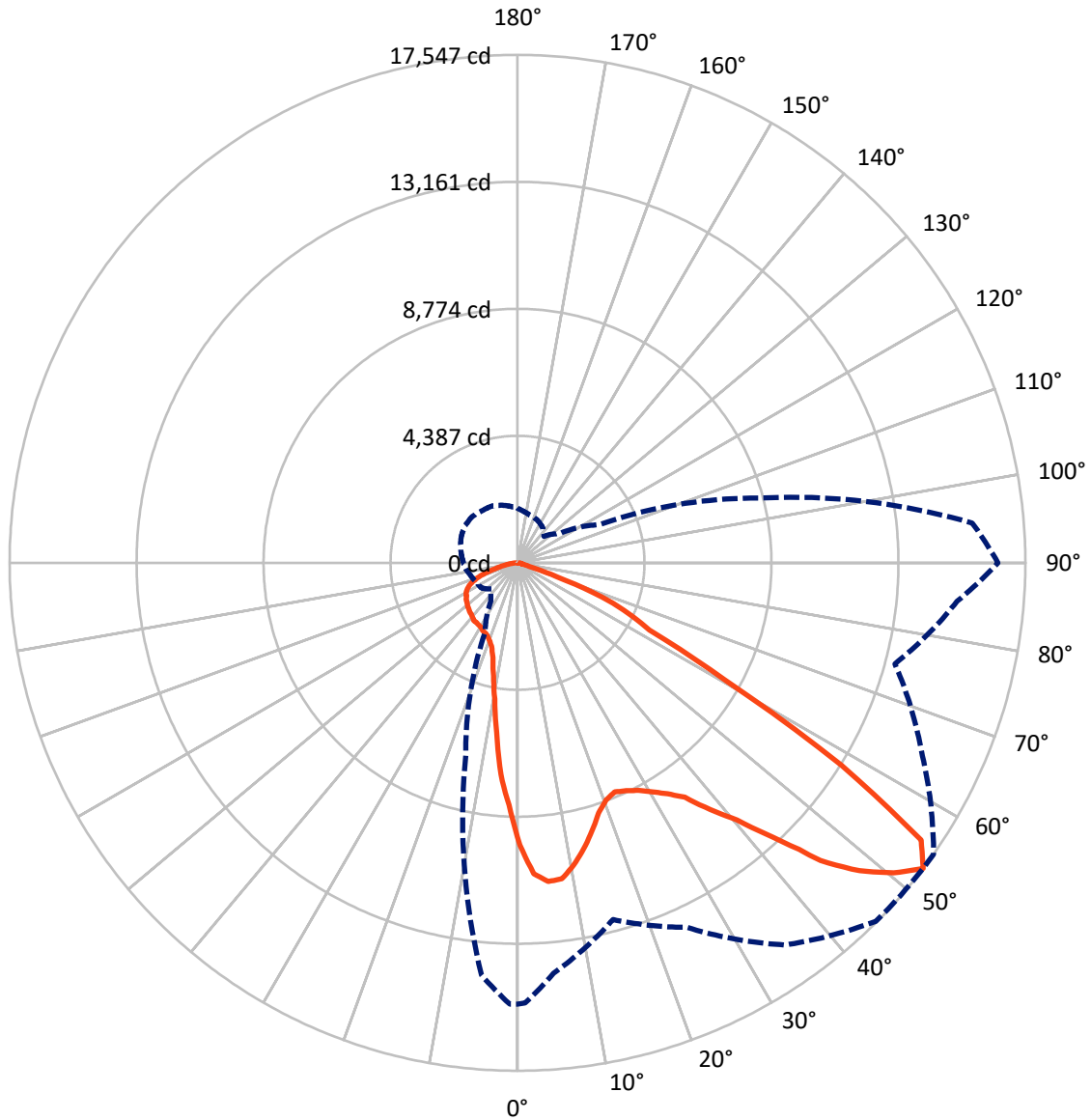
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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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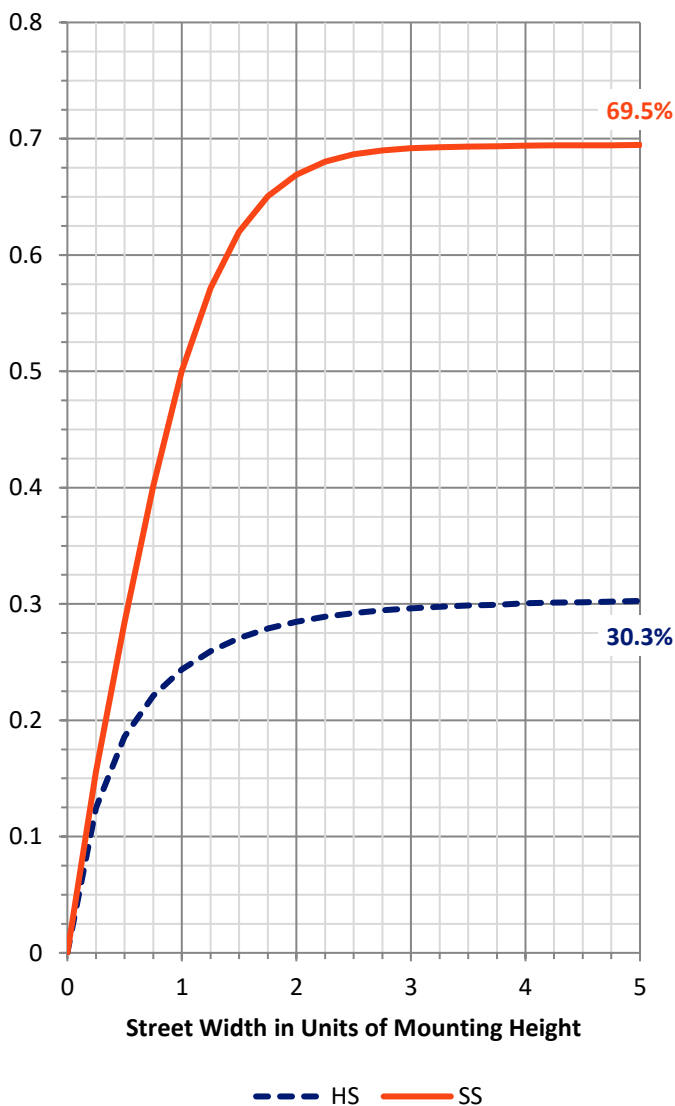
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6666.7	0.0	6666.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	15187.3	0.0	15187.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	21854.0	0.0	21854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.8	3.4
10°-20°	1605.8	7.3
20°-30°	2435.0	11.1
30°-40°	3518.1	16.1
40°-50°	4701.2	21.5
50°-60°	5247.6	24.0
60°-70°	2878.5	13.2
70°-80°	622.3	2.8
80°-90°	100.7	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°	21854.0	100.0
0°-180°	21854.0	100.0

Coefficient of Utilization



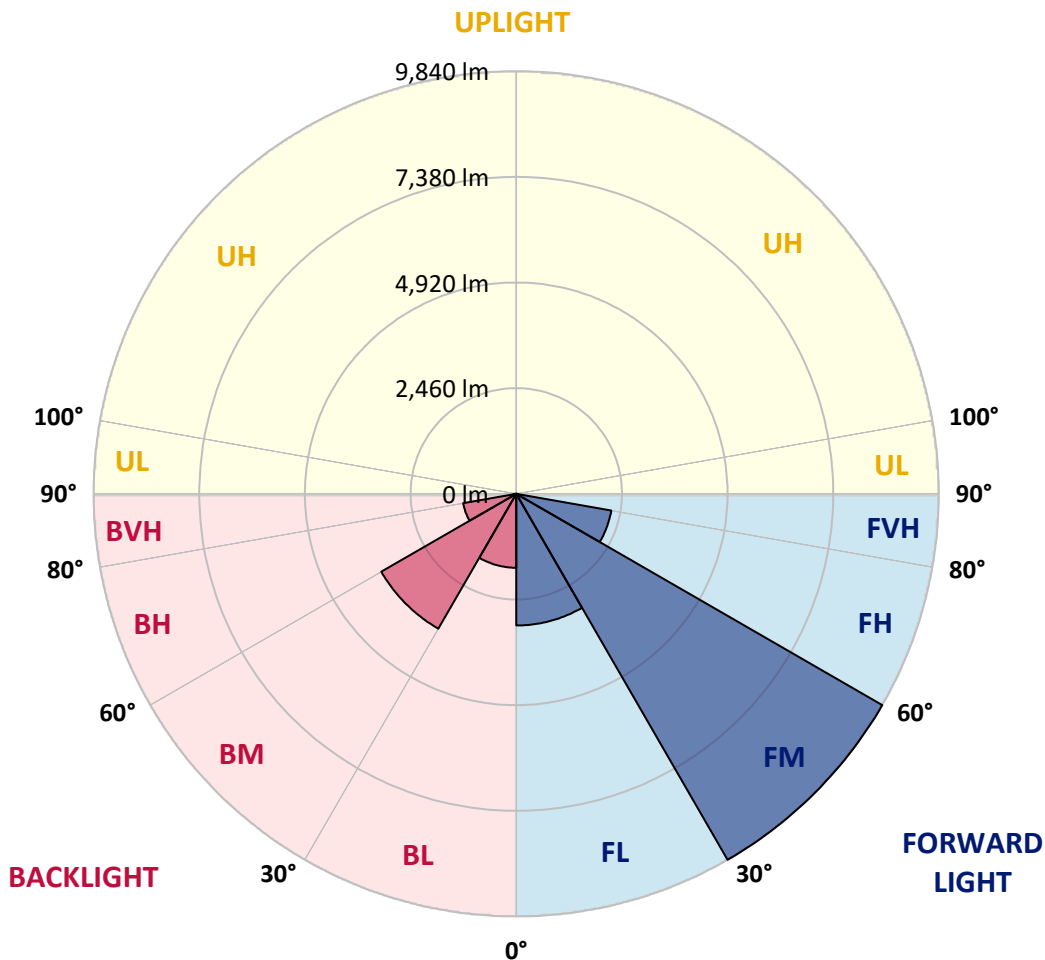
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3064.3	14.0			
FM (30°-60°)	9839.7	45.0			
FH (60°-80°)	2246.0	10.3			G2/5000
FVH (80°-90°)	37.3	0.2			G1/100
BL (0°-30°)	1721.2	7.9	B3/2500		
BM (30°-60°)	3627.2	16.6	B3/5000		
BH (60°-80°)	1254.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	63.4	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°	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6
2.5°	10230.4	10173.0	10224.0	10466.6	10607.0	10702.7	10763.3	10753.7	10524.0	10300.6	10300.6
5°	9930.5	9857.1	9962.4	10511.2	11063.3	11111.1	11190.9	11060.1	10721.8	10313.4	9802.8
7.5°	9062.5	9116.8	9292.3	10013.4	10731.4	11092.0	11187.7	11021.8	10472.9	9710.3	8960.4
10°	8312.6	8440.3	8845.5	9624.1	10284.7	10753.7	10859.1	10626.1	10192.1	9257.2	8587.0
12.5°	8054.1	7974.4	8424.3	9202.9	9834.7	10086.8	10134.7	10150.6	9857.1	9027.4	8210.5
15°	8022.2	8073.3	8424.3	9014.6	9403.9	9416.7	9496.5	9620.9	9659.2	9183.8	8386.0
17.5°	8481.7	8421.1	8781.7	9250.8	9065.7	8880.6	8899.8	9078.5	9394.4	9317.8	8938.1
20°	9161.4	9298.6	9582.6	9534.8	9037.0	8567.9	8571.1	8740.2	9362.5	9873.0	9707.1
22.5°	10291.0	10425.1	10635.7	10058.1	9037.0	8475.4	8366.9	8596.6	9566.7	10533.6	10575.0
25°	11321.7	11567.5	11624.9	10945.2	9490.1	8561.5	8491.3	8717.9	9770.9	11178.2	11570.6
27.5°	12259.9	12349.3	12601.3	11516.4	9742.2	8619.0	8612.6	8903.0	10029.4	11500.4	12460.9
30°	13000.2	12990.7	13134.2	11877.0	10144.3	8941.2	8631.7	9180.6	10367.6	12033.3	13284.2
32.5°	13504.4	13612.9	13916.1	12378.0	10313.4	9247.6	9005.1	9506.1	10779.3	12285.4	13865.0
35°	14391.5	14579.8	14196.9	12655.6	10849.5	9550.7	9266.7	9949.6	10983.5	12559.9	14576.6
37.5°	15227.6	15084.0	14694.7	12805.6	11197.3	10112.4	9847.5	10808.0	11618.5	13156.6	15048.9
40°	15763.7	15760.5	15068.0	12926.8	11443.0	10970.7	10954.8	11679.1	12397.1	13533.1	15578.6
42.5°	15996.6	16220.0	15221.2	12914.1	11960.0	12011.0	12333.3	12981.1	12949.2	13609.7	15565.8
44°	16315.7	16449.7	15486.0	12942.8	12304.6	12713.0	13472.5	13884.1	13431.0	13568.2	15549.9
45°	16302.9	16312.5	15109.5	12981.1	12598.2	13300.2	13979.9	14675.5	13855.4	13478.9	15760.5
47.5°	15929.6	15821.1	14790.4	12697.1	13514.0	14851.0	15479.7	15900.9	14378.7	13287.4	15498.8
50°	15192.5	15068.0	14015.0	12575.8	13705.4	15814.7	16682.7	16835.8	14854.2	13099.1	15240.3
52.5°	15243.5	15208.4	14235.2	12757.7	13896.9	16117.9	17509.1	17547.4	15393.5	13494.8	15243.5
55°	16156.1	16034.9	14867.0	12984.3	13756.5	15763.7	16982.6	16915.6	15211.6	13255.5	15524.3
57.5°	14784.0	14863.8	13992.6	12087.6	12039.7	12815.1	13351.2	13185.3	12693.9	11963.1	14442.6
60°	11928.0	12154.6	12237.6	10109.2	9084.8	8686.0	8526.4	8232.8	8315.8	9828.4	12687.5
62.5°	10230.4	10217.7	10737.8	9164.6	5951.3	5118.4	5041.8	5108.8	6066.1	9675.2	12425.8
65°	8111.6	8328.6	8488.1	7766.9	4709.9	3800.5	3797.3	4221.7	5249.2	8086.1	10032.6
67.5°	5150.3	5434.3	5632.2	4968.4	3149.5	2706.0	2632.6	3143.2	3637.8	5303.5	6040.6
70°	2903.8	3037.9	3127.2	2865.5	2004.0	1404.1	1321.1	1442.3	2198.6	3433.5	3580.3
72.5°	1120.0	1180.7	1301.9	1311.5	756.3	453.1	367.0	440.4	925.4	1359.4	1295.6
75°	172.3	185.1	261.7	312.7	217.0	165.9	175.5	181.9	258.5	351.0	293.6
77.5°	83.0	83.0	79.8	92.5	108.5	118.1	127.6	140.4	153.2	169.1	162.7
80°	54.2	54.2	54.2	63.8	79.8	95.7	108.5	114.9	121.3	134.0	127.6
82.5°	35.1	35.1	35.1	47.9	63.8	79.8	86.2	102.1	114.9	134.0	124.4
85°	19.1	19.1	19.1	31.9	47.9	67.0	63.8	51.1	28.7	3.2	6.4
87.5°	6.4	6.4	6.4	6.4	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°	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6
2.5°	10032.6	9885.8	9873.0	9573.1	9305.0	9174.2	9068.9	8775.3	8839.1	8670.0	8666.8
5°	9547.5	9247.6	8762.5	8363.7	7964.8	7885.0	7537.2	7234.0	7243.6	7026.6	7064.9
7.5°	8676.4	8469.0	7878.6	7253.2	6723.5	6346.9	6018.3	5820.4	5568.3	5482.2	5437.5
10°	8124.3	7869.1	7205.3	6420.3	5826.8	5625.8	5309.9	5134.4	4875.9	4748.2	4658.9
12.5°	7881.8	7508.5	6678.8	5881.1	5485.4	5278.0	5009.9	4690.8	4384.5	4266.4	4103.7
15°	7907.4	7460.6	6525.6	5664.1	5188.6	4786.5	4547.2	4193.0	3880.3	3672.9	3554.8
17.5°	8293.5	7751.0	6595.8	5498.1	4815.3	4311.1	3842.0	3459.1	3210.2	3053.8	3015.5
20°	9206.1	8469.0	6713.9	5230.1	4441.9	3813.3	3235.7	2836.8	2645.4	2642.2	2645.4
22.5°	9965.6	9234.8	6953.2	5070.5	4068.6	3175.1	2600.7	2473.0	2434.8	2514.5	2524.1
25°	10989.9	10096.4	7364.9	4987.6	3723.9	2706.0	2351.8	2303.9	2300.7	2402.8	2406.0
27.5°	12039.7	10849.5	7610.6	4745.1	3372.9	2463.5	2201.8	2192.2	2243.3	2351.8	2342.2
30°	12754.5	11481.3	8054.1	4454.7	2958.1	2249.7	2141.2	2153.9	2224.1	2307.1	2319.9
32.5°	13587.4	12103.5	8169.0	4295.1	2702.8	2071.0	1994.4	2023.1	2112.5	2243.3	2313.5
35°	14541.5	12543.9	8344.5	4078.1	2607.1	1933.8	1895.5	1927.4	2035.9	2122.0	2198.6
37.5°	15246.7	13322.5	8376.4	3909.0	2501.8	1857.2	1796.5	1901.8	1965.7	2086.9	2125.2
40°	15770.0	13887.3	8459.4	3803.7	2418.8	1758.3	1758.3	1828.5	1914.6	2026.3	2102.9
42.5°	16105.1	14299.0	8520.0	3708.0	2259.2	1729.5	1713.6	1783.8	1898.7	2007.2	2042.3
44°	16309.3	14474.5	8459.4	3618.6	2214.6	1694.4	1694.4	1755.1	1844.4	1972.1	2013.5
45°	16360.4	14694.7	8325.4	3615.4	2160.3	1652.9	1646.6	1761.4	1822.1	1978.4	2004.0
47.5°	16558.2	14965.9	8341.3	3513.3	2029.5	1554.0	1665.7	1716.8	1771.0	1908.2	1994.4
50°	16551.8	15135.0	8306.2	3363.3	1933.8	1442.3	1627.4	1684.9	1739.1	1879.5	1914.6
52.5°	16596.5	15766.8	8628.5	3124.0	1761.4	1298.7	1499.8	1627.4	1694.4	1812.5	1885.9
55°	16574.2	16127.4	8947.6	2945.3	1518.9	1212.6	1391.3	1541.3	1637.0	1761.4	1796.5
57.5°	15138.2	14254.3	8280.7	2610.3	1257.3	1110.5	1238.1	1451.9	1573.2	1700.8	1745.5
60°	12368.4	10986.7	6828.8	1921.0	1033.9	1021.1	1152.0	1423.2	1474.3	1585.9	1662.5
62.5°	11430.2	9636.9	5415.2	1467.9	883.9	935.0	1062.6	1286.0	1365.8	1503.0	1573.2
65°	8944.4	6401.2	3353.8	992.4	778.6	839.2	960.5	1126.4	1257.3	1384.9	1467.9
67.5°	5297.1	3497.4	1659.3	695.6	679.7	743.5	868.0	992.4	1142.4	1282.8	1324.3
70°	2884.7	1720.0	708.4	529.7	577.6	635.0	756.3	842.4	986.0	1094.5	1164.7
72.5°	925.4	523.3	354.2	392.5	440.4	507.4	580.8	686.1	788.2	852.0	909.4
75°	223.4	220.2	252.1	274.4	319.1	370.2	430.8	485.0	564.8	625.4	676.5
77.5°	156.4	169.1	194.7	226.6	242.5	261.7	300.0	341.4	376.5	421.2	453.1
80°	121.3	130.8	150.0	165.9	181.9	197.8	217.0	232.9	255.3	284.0	300.0
82.5°	114.9	121.3	140.4	150.0	143.6	140.4	153.2	159.6	162.7	172.3	181.9
85°	9.6	0.0	6.4	22.3	54.2	79.8	86.2	86.2	83.0	89.3	89.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	12.8	9.6
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°	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6
2.5°	8628.5	8520.0	8561.5	8612.6	8539.2	8370.1	8414.7	8395.6	8567.9	8555.1	8727.4
5°	7234.0	7064.9	7084.1	7333.0	7253.2	7339.4	7167.0	7144.7	7176.6	7192.6	7221.3
7.5°	5536.4	5514.1	5705.5	5916.2	6015.1	5913.0	5743.8	5705.5	5670.4	5600.2	5759.8
10°	4518.5	4524.9	4512.1	4671.7	4783.3	4761.0	4658.9	4646.1	4579.1	4553.6	4642.9
12.5°	4033.5	3947.3	3905.8	3854.8	3940.9	3998.4	3953.7	3921.8	3925.0	3956.9	3969.6
15°	3564.4	3510.1	3420.8	3363.3	3404.8	3376.1	3360.1	3424.0	3408.0	3401.6	3478.2
17.5°	3037.9	3082.5	3076.1	3012.3	3066.6	3044.2	3041.0	2996.4	2935.7	2891.1	2916.6
20°	2690.0	2773.0	2836.8	2840.0	2868.7	2865.5	2817.7	2680.5	2635.8	2626.2	2632.6
22.5°	2565.6	2610.3	2686.8	2795.3	2795.3	2744.3	2686.8	2527.3	2485.8	2441.1	2422.0
25°	2466.7	2552.8	2651.7	2664.5	2715.6	2667.7	2575.2	2495.4	2409.2	2348.6	2348.6
27.5°	2415.6	2511.3	2584.7	2607.1	2677.3	2639.0	2543.2	2441.1	2339.0	2335.8	2281.6
30°	2393.3	2482.6	2530.5	2584.7	2616.6	2556.0	2527.3	2418.8	2316.7	2291.2	2201.8
32.5°	2326.3	2453.9	2543.2	2530.5	2556.0	2530.5	2489.0	2399.6	2284.8	2227.3	2217.8
35°	2249.7	2377.3	2473.0	2540.1	2556.0	2501.8	2476.2	2355.0	2198.6	2169.9	2071.0
37.5°	2208.2	2284.8	2402.8	2511.3	2533.7	2505.0	2418.8	2294.3	2138.0	2106.1	2019.9
40°	2157.1	2256.1	2348.6	2437.9	2505.0	2434.8	2335.8	2214.6	2144.4	2048.6	2023.1
42.5°	2118.8	2230.5	2307.1	2406.0	2482.6	2390.1	2275.2	2192.2	2093.3	2029.5	1956.1
44°	2106.1	2208.2	2259.2	2380.5	2444.3	2374.1	2278.4	2192.2	2077.4	2019.9	1956.1
45°	2061.4	2201.8	2256.1	2364.5	2418.8	2361.4	2240.1	2153.9	2071.0	2000.8	1933.8
47.5°	2016.7	2112.5	2205.0	2291.2	2329.4	2310.3	2208.2	2102.9	2004.0	1962.5	1898.7
50°	2004.0	2099.7	2185.9	2265.6	2310.3	2272.0	2179.5	2077.4	1962.5	1895.5	1841.2
52.5°	1940.1	2058.2	2153.9	2179.5	2236.9	2214.6	2144.4	2032.7	1924.2	1866.7	1822.1
55°	1847.6	1972.1	2102.9	2134.8	2217.8	2182.7	2077.4	1972.1	1879.5	1793.4	1735.9
57.5°	1812.5	1933.8	2061.4	2102.9	2153.9	2096.5	2071.0	1959.3	1812.5	1767.8	1678.5
60°	1723.2	1876.3	1981.6	2077.4	2080.5	2064.6	2019.9	1892.3	1771.0	1688.1	1624.2
62.5°	1652.9	1796.5	1879.5	1968.9	2023.1	1978.4	1933.8	1815.7	1684.9	1592.3	1518.9
65°	1550.8	1681.7	1751.9	1806.1	1866.7	1860.4	1783.8	1697.6	1560.4	1487.0	1416.8
67.5°	1394.5	1509.4	1605.1	1656.1	1694.4	1684.9	1627.4	1566.8	1426.4	1353.0	1301.9
70°	1206.2	1324.3	1384.9	1413.6	1451.9	1471.1	1426.4	1397.7	1273.2	1177.5	1129.6
72.5°	970.1	1046.7	1136.0	1161.5	1177.5	1190.3	1190.3	1164.7	1037.1	998.8	915.8
75°	714.8	775.4	842.4	842.4	871.1	874.3	880.7	864.8	769.0	718.0	698.8
77.5°	485.0	529.7	584.0	606.3	625.4	622.2	619.1	574.4	523.3	501.0	481.8
80°	315.9	360.6	386.1	414.8	434.0	430.8	437.2	405.3	382.9	344.6	351.0
82.5°	188.3	223.4	248.9	284.0	284.0	293.6	293.6	284.0	261.7	242.5	242.5
85°	89.3	118.1	134.0	156.4	169.1	172.3	153.2	130.8	108.5	98.9	108.5
87.5°	16.0	22.3	31.9	28.7	35.1	31.9	31.9	31.9	31.9	25.5	28.7
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: P532786

CATALOG NUMBER: GLAN-SA8A-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6	9748.6
2.5°	8663.6	8823.2	8934.9	9119.9	9439.0	9694.3	9956.0	10150.6	10173.0	10230.4
5°	7326.6	7412.7	7696.7	8066.9	8328.6	8759.4	9037.0	9541.2	9729.4	9930.5
7.5°	5721.5	5861.9	6241.6	6490.5	7064.9	7604.2	8162.6	8784.9	9033.8	9062.5
10°	4824.8	5029.1	5287.5	5686.4	5999.1	6599.0	7294.7	7987.1	8264.7	8312.6
12.5°	4237.7	4499.3	4844.0	5131.2	5431.1	5954.4	6621.4	7476.6	7837.2	8054.1
15°	3672.9	3944.1	4323.8	4722.7	4987.6	5613.0	6398.0	7361.7	7830.8	8022.2
17.5°	3092.1	3344.2	3656.9	4087.7	4620.6	5322.6	6362.9	7744.6	8258.4	8481.7
20°	2594.3	2734.7	3098.5	3542.0	4209.0	5025.9	6375.7	8309.4	9062.5	9161.4
22.5°	2399.6	2431.6	2575.2	2983.6	3714.4	4722.7	6602.2	9110.4	9965.6	10291.0
25°	2249.7	2243.3	2281.6	2556.0	3353.8	4604.6	6825.6	9847.5	10967.5	11321.7
27.5°	2166.7	2102.9	2106.1	2364.5	3098.5	4413.2	7112.8	10693.1	12103.5	12259.9
30°	2125.2	2112.5	2074.2	2179.5	2820.9	4126.0	7160.7	11526.0	12773.7	13000.2
32.5°	2099.7	1975.2	1927.4	1965.7	2559.2	3813.3	7339.4	12074.8	13603.3	13504.4
35°	1972.1	1860.4	1828.5	1866.7	2374.1	3637.8	7221.3	12553.5	14225.6	14391.5
37.5°	1924.2	1825.3	1761.4	1729.5	2201.8	3491.0	7160.7	13290.6	14828.7	15227.6
40°	1879.5	1774.2	1697.6	1665.7	2067.8	3296.3	7141.5	13858.6	15524.3	15763.7
42.5°	1828.5	1761.4	1675.3	1617.8	1905.0	3101.7	6921.3	14034.1	15738.1	15996.6
44°	1812.5	1710.4	1621.0	1601.9	1841.2	3002.8	6876.7	14193.7	15923.2	16315.7
45°	1796.5	1700.8	1598.7	1573.2	1818.9	2948.5	6816.0	14232.0	16229.5	16302.9
47.5°	1751.9	1691.2	1592.3	1522.1	1771.0	2830.4	6634.1	14015.0	15916.8	15929.6
50°	1716.8	1646.6	1544.5	1407.2	1707.2	2731.5	6717.1	13935.2	15163.7	15192.5
52.5°	1678.5	1573.2	1515.7	1279.6	1601.9	2648.5	6892.6	14295.8	15249.9	15243.5
55°	1633.8	1518.9	1378.5	1171.1	1426.4	2543.2	7317.0	15007.4	16047.7	16156.1
57.5°	1563.6	1464.7	1263.6	1075.4	1225.4	2342.2	7179.8	13644.8	14764.9	14784.0
60°	1471.1	1378.5	1145.6	1002.0	1005.2	1847.6	6420.3	10632.5	11650.4	11928.0
62.5°	1381.7	1330.7	1046.7	896.7	855.2	1471.1	5427.9	8835.9	10000.7	10230.4
65°	1276.4	1152.0	960.5	816.9	733.9	1030.7	3845.2	6602.2	7802.1	8111.6
67.5°	1142.4	1008.4	845.6	718.0	628.6	689.3	1984.8	3752.6	4968.4	5150.3
70°	998.8	874.3	711.6	606.3	507.4	475.5	874.3	1790.2	2715.6	2903.8
72.5°	820.1	705.2	568.0	478.7	379.7	328.7	293.6	478.7	963.7	1120.0
75°	593.5	513.8	427.6	341.4	268.0	210.6	172.3	143.6	159.6	172.3
77.5°	437.2	373.3	315.9	242.5	188.3	150.0	118.1	89.3	86.2	83.0
80°	341.4	303.1	252.1	194.7	146.8	111.7	83.0	60.6	54.2	54.2
82.5°	268.0	248.9	207.4	159.6	121.3	89.3	60.6	41.5	35.1	35.1
85°	102.1	102.1	150.0	130.8	92.5	63.8	41.5	22.3	19.1	19.1
87.5°	25.5	25.5	25.5	25.5	22.3	19.1	19.1	9.6	6.4	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)