

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: P532710

Luminaire Tested: **GLAN-SA8A-750-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532710
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-SA8A-750-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 615mA 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: 27502 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

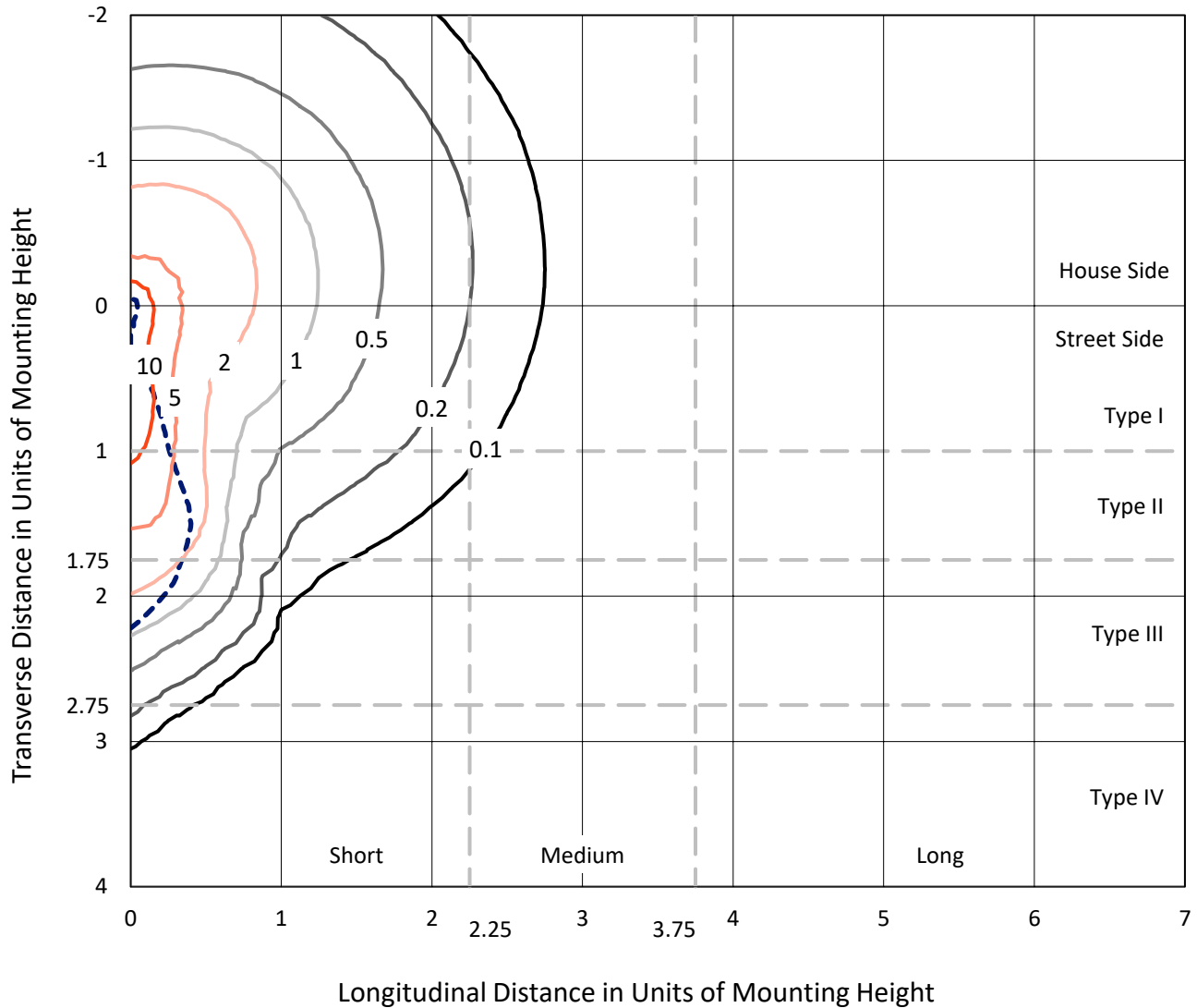
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

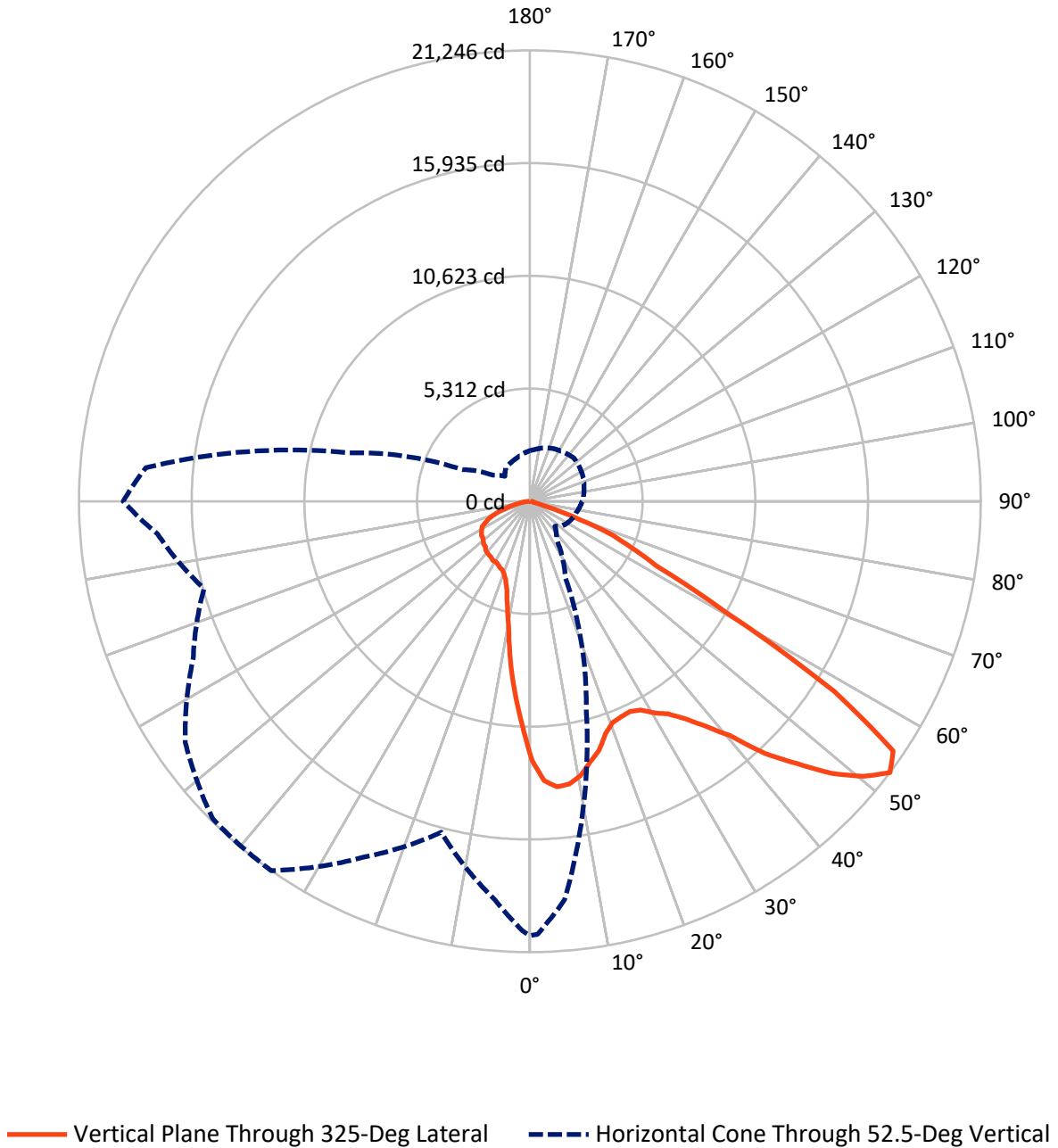
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.5 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	8290.7	0.0	8290.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	19211.3	0.0	19211.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	27502.0	0.0	27502.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	931.2	3.4
10°-20°	2018.7	7.3
20°-30°	3050.0	11.1
30°-40°	4407.4	16.0
40°-50°	5865.5	21.3
50°-60°	6560.7	23.9
60°-70°	3697.6	13.4
70°-80°	824.2	3.0
80°-90°	146.8	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°	27502.0	100.0
0°-180°	27502.0	100.0

Coefficient of Utilization

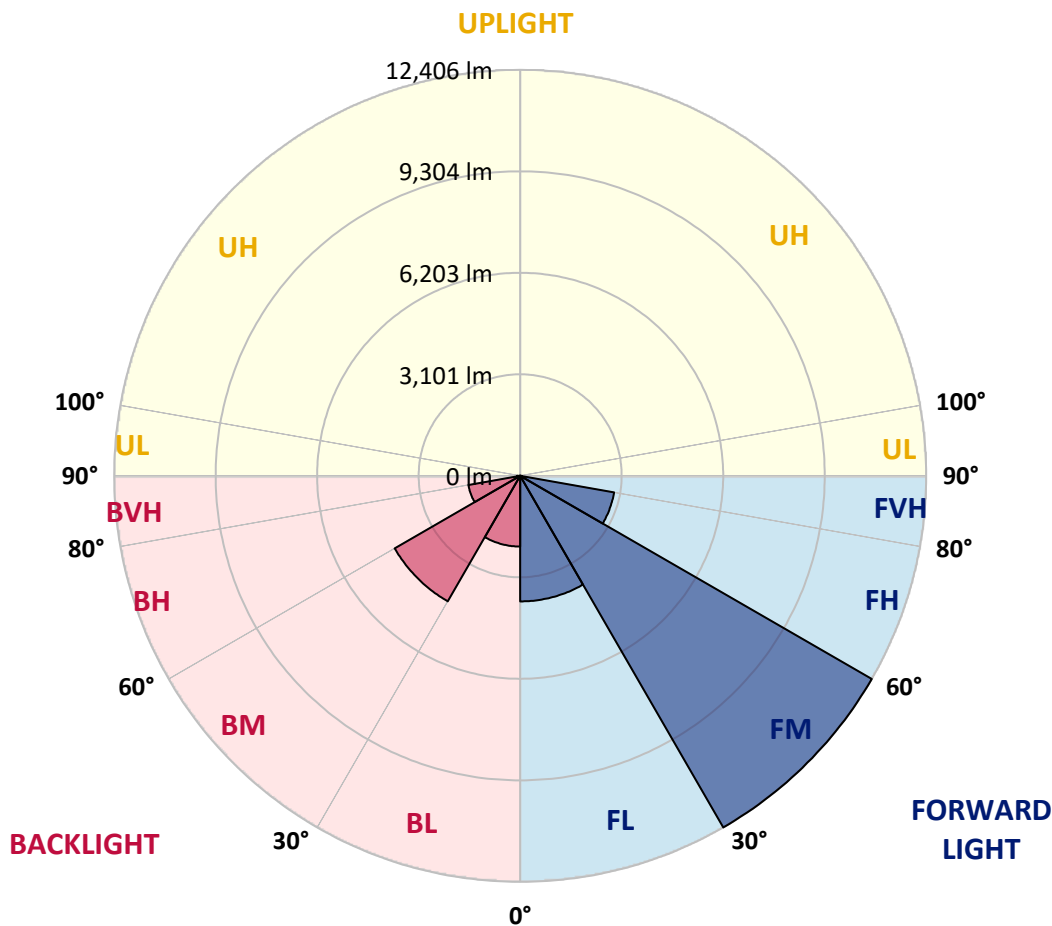


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3837.8	14.0			
FM (30°-60°)	12405.5	45.1			
FH (60°-80°)	2914.8	10.6			G2/5000
FVH (80°-90°)	53.2	0.2			G1/100
BL (0°-30°)	2162.0	7.9	B3/2500		
BM (30°-60°)	4428.1	16.1	B3/5000		
BH (60°-80°)	1607.0	5.8	B3/2500		G3/2500
BVH (80°-90°)	93.6	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°	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6
2.5°	12408.8	12608.2	12392.9	12010.2	11739.2	11492.0	11232.9	11181.1	10842.3	10782.5	10535.4
5°	11703.3	11659.5	11396.4	10894.1	10340.0	9837.8	9467.1	9108.3	8865.2	8582.2	8562.2
7.5°	10846.3	10591.2	10439.7	9678.3	8992.7	8203.5	7864.7	7318.6	7147.1	6892.0	6760.5
10°	10080.9	9893.6	9538.8	8777.5	7820.8	7298.6	6935.9	6640.9	6441.6	6178.5	5847.7
12.5°	9702.3	9626.5	9227.9	8048.0	7338.5	6780.4	6525.3	6238.3	5899.5	5477.0	5313.5
15°	9770.0	9514.9	9212.0	7908.5	6927.9	6389.8	5983.2	5624.4	5190.0	4787.4	4552.2
17.5°	10276.3	10080.9	9475.1	7996.2	6772.4	5995.2	5257.7	4727.6	4336.9	3974.2	3810.7
20°	11272.8	10989.8	10308.2	8107.8	6437.6	5445.1	4600.0	3946.3	3527.7	3336.4	3280.6
22.5°	12377.0	12209.5	11121.3	8358.9	6170.5	4934.8	3902.4	3248.7	3093.2	3041.4	3145.1
25°	13720.3	13285.8	12384.9	8769.5	5963.3	4500.4	3312.5	2949.7	2870.0	2921.8	3041.4
27.5°	14740.7	14625.1	13269.9	9156.2	5680.2	3978.2	2981.6	2742.5	2766.4	2818.2	2929.8
30°	15952.5	15366.6	14126.9	9423.2	5425.1	3619.4	2750.4	2686.7	2710.6	2798.3	2854.1
32.5°	16682.0	16462.8	14665.0	9825.8	5130.2	3308.5	2571.1	2511.3	2547.1	2678.7	2810.2
35°	17610.8	17176.3	15330.7	9929.5	4922.9	3184.9	2443.5	2399.7	2483.4	2575.0	2722.5
37.5°	18695.0	18396.0	16251.5	9857.7	4811.3	3057.4	2335.9	2315.9	2375.7	2503.3	2674.7
40°	19336.8	19245.1	16733.8	9901.6	4635.9	2945.8	2212.3	2236.2	2359.8	2459.4	2626.9
42.5°	19954.6	19356.7	17447.3	9885.6	4524.3	2794.3	2224.3	2196.4	2292.0	2407.6	2567.1
45°	20090.1	19496.2	17614.7	9774.0	4388.7	2646.8	2132.6	2144.5	2260.1	2403.6	2507.3
47.5°	20002.4	19564.0	17925.7	9742.1	4261.2	2543.2	1997.1	2140.6	2208.3	2323.9	2471.4
50°	19942.7	19918.7	18188.8	9893.6	4089.8	2379.7	1833.6	2088.7	2156.5	2272.1	2431.5
52.5°	20468.8	20417.0	18846.5	10292.2	3954.2	2204.3	1666.2	1957.2	2120.6	2232.2	2387.7
55°	20787.7	20560.5	19974.5	10782.5	3727.0	1973.1	1550.6	1793.8	2032.9	2132.6	2292.0
57.5°	18699.0	18543.5	18069.2	10065.0	3344.4	1670.2	1407.1	1626.3	1913.3	2068.8	2232.2
60°	15557.9	15314.7	14099.0	8554.3	2467.4	1299.5	1319.4	1494.8	1881.5	1941.2	2132.6
62.5°	14669.0	14067.1	12412.8	6884.1	1893.4	1116.1	1183.9	1375.2	1714.0	1813.7	2005.0
65°	11639.5	11193.1	8881.1	4970.7	1267.6	968.6	1080.2	1239.7	1478.9	1674.2	1849.6
67.5°	7286.7	6860.1	4739.5	2351.8	884.9	829.1	964.6	1132.1	1327.4	1502.8	1698.1
70°	3806.8	3340.4	2188.4	849.0	609.9	677.6	805.2	964.6	1156.0	1299.5	1451.0
72.5°	1419.1	1152.0	713.5	366.7	422.5	518.2	653.7	769.3	904.9	1080.2	1164.0
75°	219.2	187.3	183.4	223.2	287.0	374.7	466.4	582.0	701.6	813.2	869.0
77.5°	103.6	99.7	111.6	147.5	191.3	267.1	338.8	450.4	546.1	617.9	649.7
80°	67.8	63.8	71.8	99.7	143.5	199.3	271.1	346.8	434.5	494.3	486.3
82.5°	39.9	43.8	43.8	67.8	99.7	143.5	195.3	263.1	322.9	374.7	342.8
85°	23.9	19.9	19.9	39.9	67.8	115.6	163.4	111.6	115.6	115.6	131.5
87.5°	8.0	8.0	8.0	4.0	8.0	8.0	12.0	19.9	23.9	27.9	35.9
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°	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6
2.5°	10527.4	10651.0	10607.1	10451.7	10571.2	10591.2	10511.4	10786.5	10838.3	10754.6	10778.5
5°	8534.3	8566.2	8638.0	8789.4	8897.1	9024.6	9024.6	9032.6	8925.0	9196.0	9116.3
7.5°	6648.9	6668.8	6752.5	7075.4	7167.1	7410.2	7513.9	7442.1	7226.9	7135.2	7210.9
10°	5740.0	5624.4	5596.5	5636.4	5843.7	5947.3	6035.0	6011.1	5975.2	5903.5	5823.7
12.5°	5134.1	5050.4	4982.7	4887.0	4899.0	4998.6	5066.4	5010.6	5026.5	5042.5	5066.4
15°	4476.4	4416.6	4380.8	4237.3	4221.3	4289.1	4313.0	4344.9	4404.7	4408.7	4380.8
17.5°	3778.9	3727.0	3806.8	3886.5	3830.7	3834.7	3878.5	3906.4	3890.5	3818.7	3782.8
20°	3300.5	3356.3	3436.1	3511.8	3571.6	3607.5	3623.4	3579.6	3527.7	3380.2	3376.3
22.5°	3161.0	3232.8	3300.5	3416.1	3471.9	3563.6	3479.9	3380.2	3308.5	3236.7	3153.0
25°	3057.4	3117.2	3252.7	3296.5	3404.2	3479.9	3420.1	3320.5	3196.9	3093.2	3029.5
27.5°	2981.6	3049.4	3137.1	3256.7	3340.4	3384.2	3324.4	3284.6	3157.0	3033.5	2941.8
30°	2933.8	3005.5	3165.0	3264.6	3336.4	3372.3	3268.6	3220.8	3129.1	3025.5	2945.8
32.5°	2901.9	2965.7	3101.2	3228.8	3276.6	3276.6	3292.6	3236.7	3109.2	2933.8	2866.0
35°	2798.3	2886.0	2997.6	3145.1	3232.8	3284.6	3204.9	3141.1	3057.4	2878.0	2754.4
37.5°	2738.5	2798.3	2941.8	3081.3	3157.0	3212.8	3180.9	3069.3	2957.7	2810.2	2710.6
40°	2674.7	2770.4	2897.9	3029.5	3113.2	3169.0	3145.1	3013.5	2878.0	2738.5	2670.7
42.5°	2630.9	2694.6	2826.2	2973.7	3073.3	3180.9	3109.2	2945.8	2850.1	2658.8	2583.0
45°	2595.0	2698.6	2838.1	2897.9	3001.6	3113.2	2985.6	2886.0	2774.4	2634.8	2571.1
47.5°	2551.1	2646.8	2738.5	2897.9	2945.8	2997.6	2973.7	2814.2	2718.5	2567.1	2523.2
50°	2535.2	2571.1	2738.5	2826.2	2893.9	2945.8	2882.0	2762.4	2670.7	2515.3	2419.6
52.5°	2471.4	2539.2	2646.8	2762.4	2846.1	2909.9	2806.2	2730.5	2606.9	2443.5	2383.7
55°	2391.7	2431.5	2622.9	2742.5	2786.3	2830.2	2790.3	2666.7	2539.2	2371.8	2312.0
57.5°	2288.0	2379.7	2535.2	2702.6	2758.4	2782.3	2718.5	2618.9	2459.4	2312.0	2216.3
60°	2180.4	2276.1	2447.5	2583.0	2638.8	2726.5	2630.9	2571.1	2387.7	2224.3	2120.6
62.5°	2072.8	2180.4	2308.0	2479.4	2527.2	2563.1	2539.2	2455.5	2308.0	2124.6	1997.1
65°	1945.2	2025.0	2184.4	2272.1	2304.0	2387.7	2304.0	2272.1	2140.6	1965.2	1857.5
67.5°	1753.9	1821.7	1961.2	2044.9	2068.8	2104.7	2100.7	2064.8	1917.3	1797.7	1702.1
70°	1534.7	1594.5	1682.2	1781.8	1793.8	1837.6	1797.7	1789.8	1694.1	1530.7	1478.9
72.5°	1231.7	1287.5	1403.1	1447.0	1451.0	1466.9	1447.0	1419.1	1395.1	1223.7	1171.9
75°	944.7	976.6	1032.4	1072.3	1072.3	1092.2	1080.2	1052.3	988.6	880.9	829.1
77.5°	657.7	689.6	761.4	785.3	781.3	789.3	753.4	725.5	629.8	574.0	530.2
80°	478.3	498.3	534.1	550.1	554.1	566.0	522.2	498.3	442.5	378.7	358.8
82.5°	346.8	358.8	362.7	382.7	382.7	362.7	350.8	326.9	287.0	247.1	231.2
85°	143.5	147.5	151.5	175.4	179.4	215.3	199.3	187.3	163.4	139.5	127.6
87.5°	35.9	39.9	51.8	43.8	51.8	51.8	55.8	63.8	63.8	51.8	51.8
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°	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6
2.5°	10870.2	10902.1	11308.7	11360.5	11559.8	11763.1	12173.7	12468.6	12707.8	12863.3	12907.1
5°	9200.0	9403.3	9590.6	9893.6	10168.6	10559.3	11009.7	11567.8	12269.3	12628.1	12771.6
7.5°	7203.0	7442.1	7713.2	8008.2	8410.8	9112.3	9714.2	10360.0	11256.9	11627.6	12189.6
10°	5879.6	6146.6	6505.4	6732.6	7218.9	7888.6	8590.1	9335.5	10192.6	10726.7	11376.4
12.5°	5197.9	5417.2	5748.0	6226.3	6589.1	7023.6	7545.8	8486.5	9714.2	10220.5	10666.9
15°	4444.5	4687.7	5070.4	5600.5	6035.0	6553.2	7139.2	8163.6	9471.1	10252.3	10631.0
17.5°	3822.7	3998.1	4400.7	4859.1	5357.4	5923.4	6764.5	8147.7	9726.2	10726.7	11344.6
20°	3392.2	3416.1	3635.4	4026.0	4703.6	5441.1	6533.3	8067.9	10543.3	11543.9	12325.1
22.5°	3121.1	3097.2	3101.2	3432.1	3906.4	4966.7	6170.5	8339.0	11472.1	12843.3	13369.5
25°	2985.6	2921.8	2882.0	2953.7	3384.2	4404.7	5895.5	8697.8	12472.6	13915.6	14561.4
27.5°	2913.9	2802.3	2722.5	2734.5	3049.4	4121.7	5724.1	8853.2	13465.2	15410.4	15637.6
30°	2886.0	2746.4	2630.9	2591.0	2798.3	3727.0	5357.4	9120.3	14354.1	16231.6	16426.9
32.5°	2786.3	2614.9	2503.3	2467.4	2551.1	3380.2	5094.3	9311.6	15139.4	17124.5	17056.7
35°	2670.7	2527.2	2387.7	2319.9	2379.7	3157.0	4883.0	9219.9	16064.1	17818.0	17782.2
37.5°	2658.8	2471.4	2355.8	2244.2	2240.2	2882.0	4596.0	9307.6	16654.1	19061.7	18571.4
40°	2555.1	2435.5	2284.1	2192.4	2140.6	2742.5	4317.0	9100.4	17519.1	19564.0	19081.6
42.5°	2559.1	2379.7	2248.2	2140.6	2088.7	2539.2	4125.7	9044.5	17822.0	20381.1	19320.8
45°	2495.3	2319.9	2208.3	2080.8	2052.9	2383.7	3942.3	8785.4	18356.2	20421.0	19021.9
47.5°	2431.5	2276.1	2156.5	2005.0	1941.2	2327.9	3798.8	8570.2	18077.1	20046.3	18607.3
50°	2387.7	2208.3	2096.7	1989.1	1809.7	2232.2	3611.4	8518.4	17686.5	19540.1	17838.0
52.5°	2312.0	2152.5	2036.9	1953.2	1666.2	2144.5	3539.7	8821.3	18164.8	19161.4	17614.7
55°	2240.2	2076.8	1929.3	1765.9	1546.6	1913.3	3340.4	9104.3	18862.4	20034.3	18627.2
57.5°	2164.5	2009.0	1849.6	1654.2	1431.0	1674.2	3133.1	9156.2	17555.0	18515.6	17682.5
60°	2064.8	1865.5	1745.9	1490.8	1307.5	1387.2	2483.4	8071.9	13616.6	15462.2	15490.1
62.5°	1953.2	1738.0	1634.3	1335.4	1179.9	1195.8	2025.0	6784.4	11045.6	12799.5	13560.8
65°	1805.7	1598.4	1474.9	1235.7	1088.2	1036.4	1482.8	4970.7	8390.8	10383.9	11248.9
67.5°	1614.4	1419.1	1263.6	1076.3	972.6	888.9	1012.5	2798.3	4954.8	6971.8	7234.8
70°	1411.1	1243.7	1080.2	924.8	809.2	749.4	741.4	1239.7	2367.8	3751.0	4269.2
72.5°	1112.1	992.5	861.0	745.4	669.7	582.0	530.2	514.2	801.2	1526.7	2108.7
75°	797.2	697.6	621.8	546.1	490.3	442.5	402.6	366.7	334.8	382.7	526.2
77.5°	502.3	466.4	406.6	386.7	354.8	342.8	326.9	306.9	283.0	267.1	267.1
80°	338.8	314.9	295.0	291.0	279.0	275.0	279.0	259.1	235.2	215.3	223.2
82.5°	227.2	223.2	219.2	215.3	219.2	223.2	231.2	227.2	207.3	195.3	199.3
85°	135.5	143.5	151.5	159.4	175.4	155.5	127.6	107.6	95.7	87.7	83.7
87.5°	51.8	71.8	63.8	59.8	63.8	59.8	55.8	51.8	43.8	39.9	39.9
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: P532710

CATALOG NUMBER: GLAN-SA8A-750-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6	12205.6
2.5°	13198.1	13277.8	13345.6	13329.6	13190.1	13002.8	12927.0	12540.4	12460.7	12408.8
5°	13377.5	13839.9	13939.5	13879.7	13517.0	13058.6	12612.1	12046.1	11715.3	11703.3
7.5°	13046.6	13616.6	13796.0	13931.6	13449.2	12652.0	11886.7	11037.6	10830.3	10846.3
10°	12205.6	13114.4	13556.9	13696.4	13142.3	12452.7	11392.4	10531.4	10088.9	10080.9
12.5°	11739.2	12452.7	12576.3	12771.6	12608.2	11910.6	11105.4	10140.7	9710.2	9702.3
15°	11324.6	11795.0	11830.9	12105.9	12193.6	11723.2	11181.1	10152.7	9805.9	9770.0
17.5°	11687.4	11360.5	11225.0	11260.8	11519.9	11691.3	11619.6	10830.3	10475.6	10276.3
20°	11930.5	11201.0	10790.5	10830.3	11137.3	11763.1	12273.3	11810.9	11248.9	11272.8
22.5°	12580.3	11225.0	10583.2	10539.4	11025.7	12137.8	13010.8	13050.6	12508.5	12377.0
25°	13552.9	11500.0	10519.4	10507.5	10973.8	12540.4	13871.8	14517.5	13963.4	13720.3
27.5°	14334.2	11930.5	10718.7	10758.6	11137.3	12867.3	14605.2	15462.2	15039.7	14740.7
30°	15019.8	12377.0	10997.8	10814.4	11575.7	13038.7	14920.1	16538.5	16199.7	15952.5
32.5°	15302.8	13010.8	11440.2	11137.3	11938.5	13245.9	15573.8	17582.9	17291.9	16682.0
35°	15781.1	13365.5	11679.4	11655.5	12572.3	13744.2	15880.8	18272.5	18152.9	17610.8
37.5°	16163.8	13724.3	12528.4	12265.3	13441.3	14581.3	16375.1	19225.1	18950.1	18695.0
40°	16458.8	14366.0	13321.7	13668.5	14509.5	15342.6	16829.5	19284.9	20078.2	19336.8
42.5°	16187.7	14940.0	14625.1	15454.3	16251.5	16211.6	16881.3	19747.3	20341.3	19954.6
45°	16119.9	15912.7	16686.0	17439.4	17622.7	16933.1	16510.6	19237.1	20261.5	20090.1
47.5°	15956.5	16869.3	18216.7	19444.4	19165.4	17415.4	16068.1	19145.4	20309.4	20002.4
50°	15900.7	17076.6	19348.7	20544.6	20377.1	17834.0	15860.8	18555.5	19970.6	19942.7
52.5°	15896.7	17503.1	19819.1	21142.5	21246.1	18495.7	16143.9	18854.4	20233.6	20468.8
55°	16076.1	17367.6	19759.3	20811.6	20771.8	18200.7	16175.8	19053.7	20556.5	20787.7
57.5°	15163.3	15557.9	16307.3	17140.4	16925.1	15075.6	14445.8	17614.7	18866.4	18699.0
60°	13094.5	11858.8	11013.7	10973.8	10555.3	9977.3	11822.9	15721.3	15721.3	15557.9
62.5°	11468.1	7784.9	6688.7	6377.8	6676.8	7342.5	11404.3	15290.8	14856.3	14669.0
65°	10029.1	5943.3	4835.2	4747.5	5265.7	6270.2	10312.1	13026.7	12261.4	11639.5
67.5°	6453.6	4352.9	3595.5	3440.0	4065.9	4604.0	6864.1	8012.1	7529.8	7286.7
70°	4161.5	2834.1	2001.0	1877.5	2120.6	2838.1	4384.8	4671.8	3970.2	3806.8
72.5°	1969.2	1223.7	701.6	578.0	649.7	1084.2	1734.0	1865.5	1550.6	1419.1
75°	625.8	450.4	287.0	247.1	235.2	279.0	398.6	306.9	223.2	219.2
77.5°	279.0	267.1	227.2	191.3	167.4	139.5	115.6	95.7	99.7	103.6
80°	231.2	211.3	187.3	167.4	139.5	107.6	83.7	63.8	63.8	67.8
82.5°	203.3	183.4	163.4	139.5	119.6	87.7	63.8	43.8	39.9	39.9
85°	87.7	103.6	111.6	119.6	95.7	71.8	43.8	27.9	23.9	23.9
87.5°	35.9	31.9	27.9	23.9	19.9	19.9	15.9	12.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)