

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: P654488

Luminaire Tested: **GLAN-SA7B-840-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-840-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18427.1 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 286
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

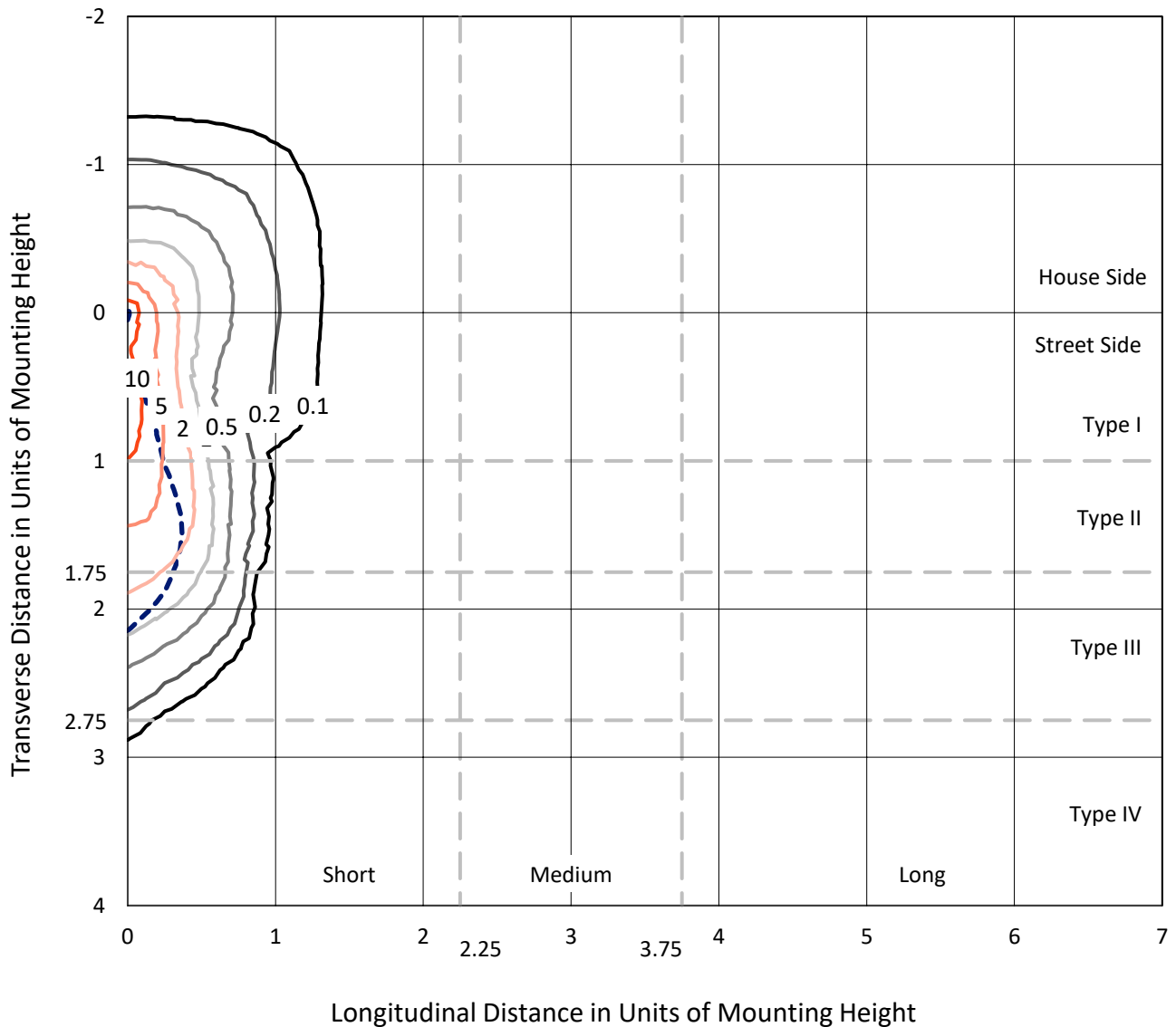




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Iso-Footcandle Lines of Horizontal Illumination

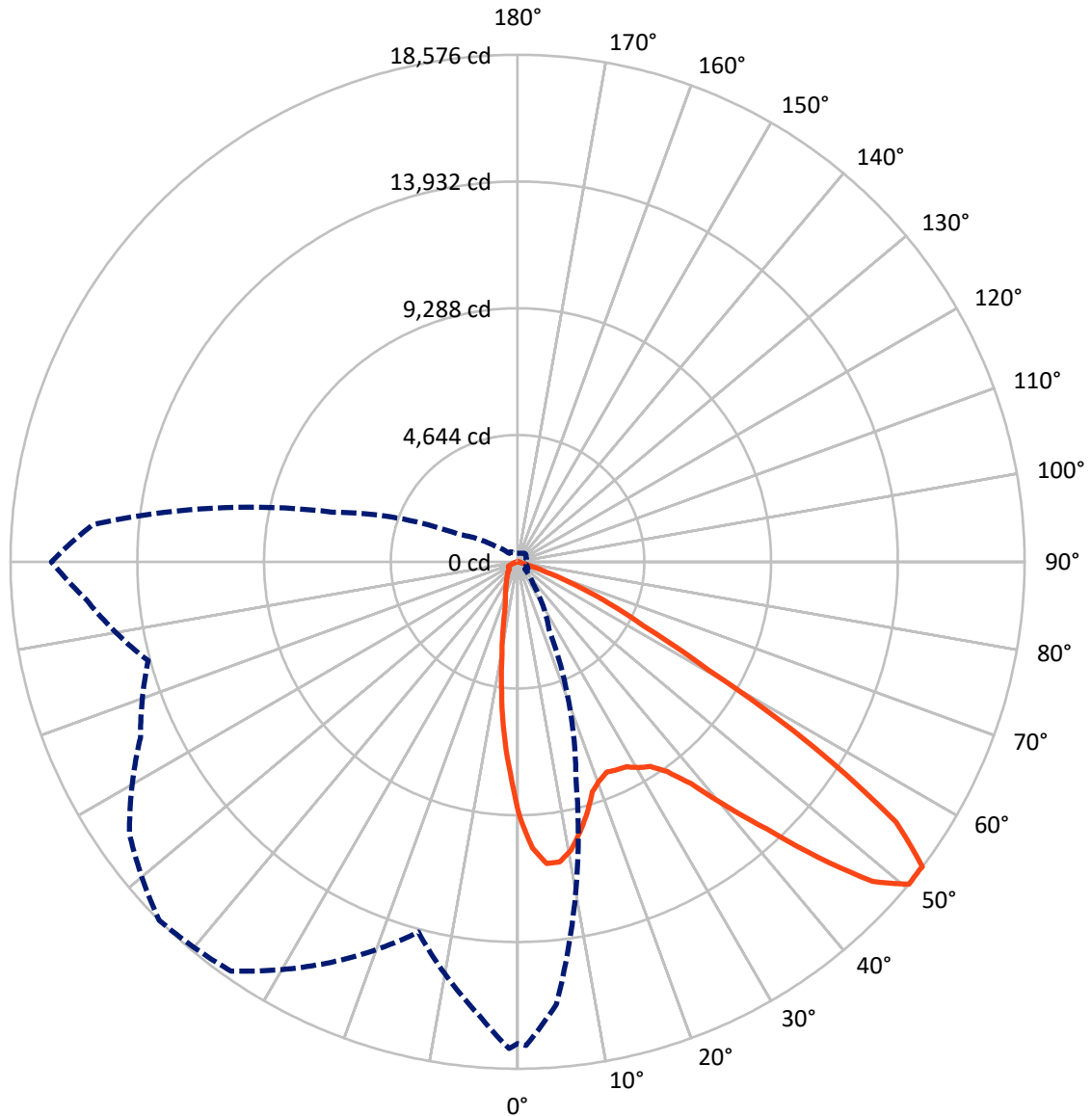
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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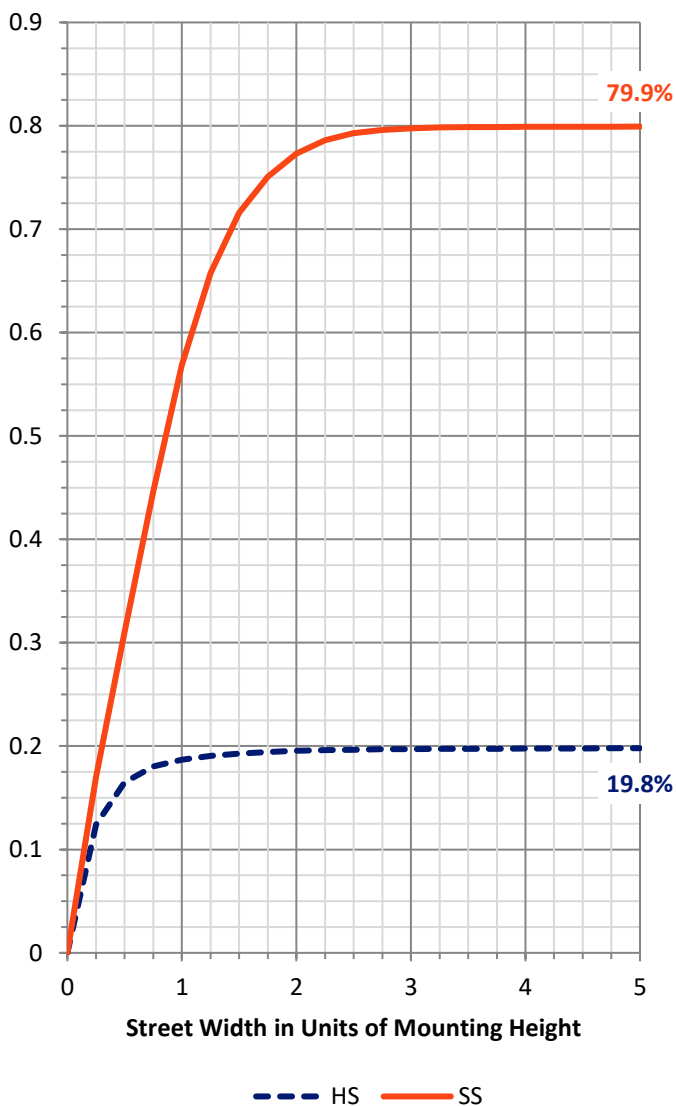
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3691.0	0.0	3691.0
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	14736.2	0.0	14736.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	18427.1	0.0	18427.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.1	3.7
10°-20°	1353.7	7.3
20°-30°	2033.7	11.0
30°-40°	3052.6	16.6
40°-50°	4290.2	23.3
50°-60°	4627.7	25.1
60°-70°	2148.6	11.7
70°-80°	202.2	1.1
80°-90°	37.3	0.2
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°	18427.1	100.0
0°-180°	18427.1	100.0

Coefficient of Utilization

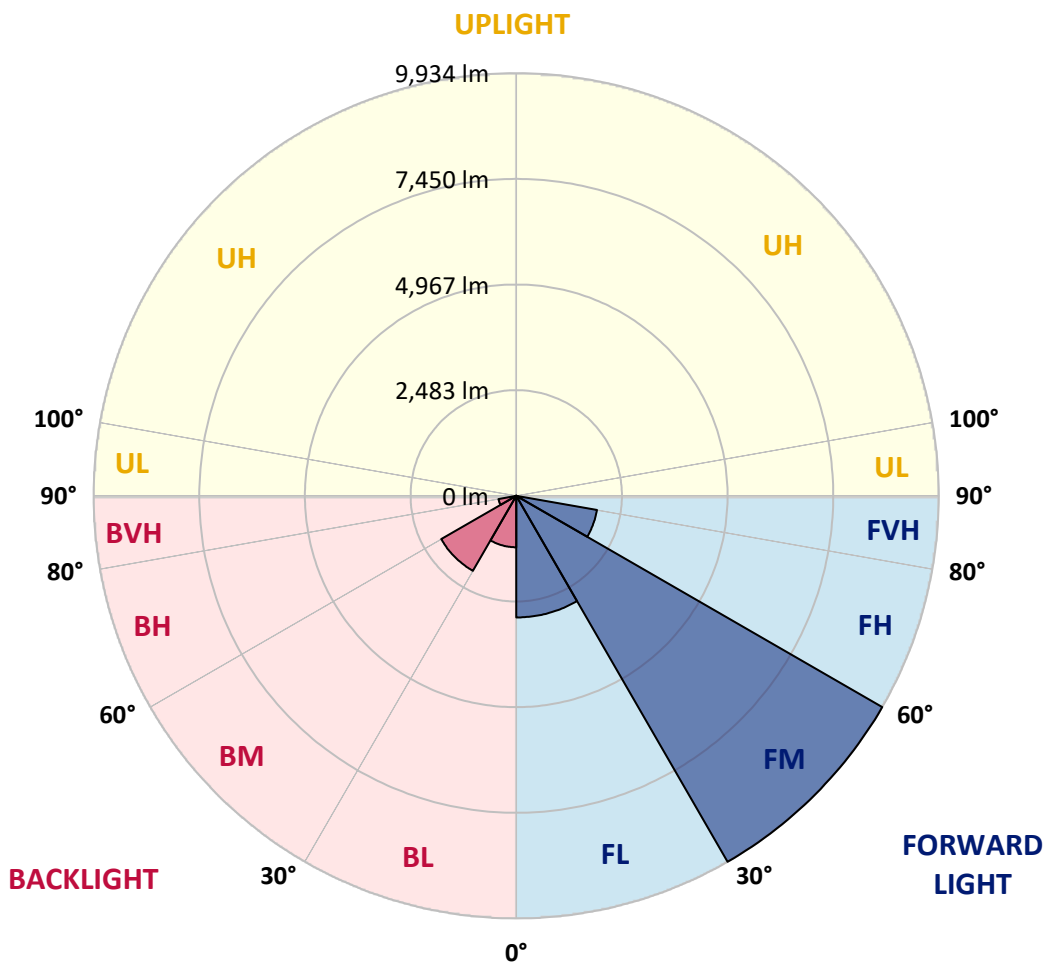


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2858.8	15.5			
FM (30°-60°)	9933.6	53.9			
FH (60°-80°)	1927.0	10.5			G2/5000
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	1209.8	6.6	B3/2500		
BM (30°-60°)	2036.9	11.1	B2/2500		
BH (60°-80°)	423.8	2.3	B1/500		G1/500
BVH (80°-90°)	20.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9
2.5°	9714.1	9564.3	9374.1	9216.9	8983.0	8511.3	8383.3	8229.8	8101.9	7930.0	7688.7
5°	8833.0	8785.5	8697.8	8105.5	7677.7	7107.4	6639.4	6442.0	6182.4	5970.3	5816.8
7.5°	8160.3	7970.2	7692.4	7096.4	6412.7	5802.1	5283.0	4979.6	4635.8	4518.9	4310.5
10°	7440.1	7484.0	7074.5	6237.3	5411.0	4917.4	4595.6	4303.1	3992.4	3787.7	3491.5
12.5°	7209.7	7067.2	6752.7	5718.0	5012.4	4551.8	4160.6	3798.6	3469.6	3140.5	2855.4
15°	7359.7	7140.3	6701.6	5608.4	4705.3	4131.3	3641.4	3151.6	2848.0	2427.6	2131.5
17.5°	7897.1	7721.6	7132.9	5725.4	4548.1	3729.2	3001.6	2497.1	2032.8	1652.6	1502.6
20°	8792.8	8544.2	7805.7	5875.3	4314.2	3242.9	2434.9	1813.4	1374.7	1213.8	1129.7
22.5°	9670.2	9535.0	8602.7	6164.1	4105.8	2811.5	1828.0	1221.1	1027.4	998.1	943.3
25°	11341.1	10935.3	9820.2	6687.0	3944.9	2405.7	1378.3	983.5	870.2	848.2	855.5
27.5°	12335.5	11995.5	10946.2	7034.3	3765.7	2094.9	1166.3	903.1	826.3	778.8	760.4
30°	13289.8	12894.9	11505.6	7239.0	3381.8	1765.8	1034.7	866.5	848.2	778.8	756.8
32.5°	14024.7	13637.1	12313.6	7546.1	3224.6	1553.8	851.8	676.3	628.8	621.5	687.3
35°	15150.7	14737.6	13004.6	7714.3	3104.0	1444.2	738.5	603.2	548.4	526.5	530.2
37.5°	16200.0	15918.4	13644.4	7780.1	2976.0	1411.2	661.8	541.1	493.6	478.9	475.2
40°	17077.4	16448.6	14251.3	7849.6	2921.2	1349.0	614.2	493.6	460.7	438.7	438.7
42.5°	17479.6	16839.8	14931.4	7809.4	2906.6	1250.4	614.2	453.4	427.7	405.8	402.2
45°	17391.9	17132.3	15234.8	7791.0	2906.6	1151.7	559.3	442.4	405.8	376.6	369.3
47.5°	17618.5	17278.5	15615.0	7867.8	2848.0	1082.2	471.6	464.3	383.9	347.3	340.0
50°	17658.7	17724.6	16276.8	8266.4	2720.1	994.5	369.3	457.0	369.3	314.4	307.1
52°	17922.0	17512.6	16477.9	8478.4	2584.8	928.6	310.7	391.2	354.6	292.5	285.2
52.5°	17560.1	17826.9	16525.4	8555.2	2599.4	884.7	299.8	383.9	347.3	292.5	274.2
55°	17154.2	17410.1	16331.6	8719.7	2383.7	694.7	234.0	277.9	314.4	255.9	245.0
57.5°	14909.4	15169.0	14192.8	7984.9	1941.4	489.9	193.8	208.4	277.9	237.7	226.6
60°	13253.2	13066.8	11911.4	6661.3	1378.3	274.2	153.6	160.9	303.4	219.3	215.7
62.5°	12112.5	11714.0	9955.4	5144.1	840.9	182.8	120.7	124.3	234.0	204.7	204.7
65°	8961.0	8515.0	6613.8	3111.3	413.1	128.0	91.4	98.7	146.2	175.5	175.5
67.5°	5114.8	4943.0	3195.4	1404.0	171.8	80.4	69.5	76.8	113.4	142.5	135.2
70°	2350.8	2109.6	1228.4	296.1	80.4	54.8	54.8	62.1	91.4	106.1	98.7
72.5°	687.3	650.8	299.8	47.5	32.9	32.9	36.6	47.5	69.5	80.4	73.1
75°	51.2	32.9	22.0	14.6	14.6	22.0	29.3	47.5	69.5	76.8	62.1
77.5°	3.6	7.3	3.6	3.6	10.9	22.0	32.9	58.5	91.4	95.0	69.5
80°	3.6	3.6	0.0	3.6	10.9	22.0	36.6	65.9	102.3	109.7	58.5
82.5°	0.0	0.0	0.0	3.6	14.6	29.3	43.9	69.5	95.0	117.0	62.1
85°	0.0	0.0	0.0	3.6	22.0	40.2	51.2	18.2	10.9	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9
2.5°	7860.5	7765.5	7728.9	7761.8	7750.8	7739.9	7941.0	7897.1	7889.8	7955.6	7941.0
5°	5900.9	5732.7	6193.4	6006.9	6200.7	6317.7	6339.6	6350.6	6485.9	6343.2	6529.7
7.5°	4204.5	4248.3	4244.7	4369.0	4592.0	4789.4	4906.4	4815.1	4807.7	4789.4	4709.0
10°	3359.9	3283.2	3268.5	3239.3	3308.7	3476.9	3619.5	3506.1	3425.7	3535.4	3502.5
12.5°	2745.7	2639.6	2581.2	2464.2	2467.8	2581.2	2581.2	2581.2	2661.6	2723.7	2771.3
15°	2105.9	2018.1	2018.1	1901.2	1875.6	1879.2	1937.7	1945.1	2073.0	2109.6	2127.8
17.5°	1473.4	1425.8	1480.7	1528.3	1499.0	1506.3	1528.3	1535.6	1553.8	1539.2	1575.8
20°	1133.4	1126.1	1140.7	1224.7	1286.9	1323.5	1297.9	1261.3	1239.4	1188.2	1188.2
22.5°	961.5	976.1	1001.8	1071.3	1151.7	1173.6	1144.3	1060.2	994.5	987.2	990.8
25°	855.5	870.2	910.4	954.2	998.1	1034.7	1005.4	943.3	906.7	873.8	873.8
27.5°	789.7	797.0	819.0	851.8	888.4	917.7	906.7	873.8	833.6	819.0	786.1
30°	738.5	749.5	775.1	782.4	815.3	829.9	811.6	804.3	778.8	760.4	749.5
32.5°	712.9	709.3	727.5	734.9	738.5	749.5	727.5	738.5	734.9	705.6	694.7
35°	537.4	566.7	614.2	654.5	665.4	680.0	676.3	661.8	621.5	588.6	548.4
37.5°	482.6	500.9	526.5	559.3	603.2	621.5	614.2	577.7	530.2	508.2	500.9
40°	446.1	457.0	478.9	500.9	544.7	577.7	552.0	519.1	482.6	464.3	453.4
42.5°	413.1	416.8	427.7	449.7	482.6	533.8	489.9	446.1	431.4	420.4	413.1
45°	376.6	376.6	391.2	402.2	438.7	486.3	442.4	402.2	394.8	387.5	383.9
47.5°	347.3	350.9	358.3	372.9	402.2	435.0	405.8	372.9	354.6	350.9	343.6
50°	310.7	314.4	329.1	343.6	380.2	398.5	380.2	343.6	325.4	314.4	314.4
52°	281.5	292.5	307.1	336.3	362.0	391.2	369.3	329.1	307.1	296.1	288.8
52.5°	277.9	285.2	299.8	332.7	362.0	387.5	365.6	325.4	299.8	292.5	285.2
55°	248.6	259.6	285.2	325.4	358.3	387.5	358.3	321.8	285.2	266.9	259.6
57.5°	237.7	245.0	277.9	329.1	354.6	387.5	358.3	321.8	285.2	252.3	245.0
60°	226.6	241.3	277.9	318.1	350.9	391.2	362.0	318.1	277.9	237.7	237.7
62.5°	215.7	226.6	274.2	310.7	336.3	376.6	347.3	310.7	266.9	226.6	223.0
65°	186.4	204.7	241.3	259.6	288.8	325.4	296.1	270.5	234.0	201.1	197.5
67.5°	142.5	149.9	179.1	201.1	219.3	252.3	237.7	204.7	179.1	153.6	153.6
70°	98.7	106.1	128.0	138.9	157.2	175.5	164.5	138.9	120.7	106.1	102.3
72.5°	69.5	73.1	80.4	87.7	95.0	102.3	98.7	80.4	69.5	65.9	62.1
75°	54.8	62.1	65.9	62.1	58.5	54.8	54.8	47.5	40.2	36.6	36.6
77.5°	54.8	58.5	54.8	47.5	40.2	36.6	32.9	29.3	22.0	18.2	22.0
80°	47.5	47.5	47.5	40.2	36.6	32.9	29.3	25.6	22.0	18.2	18.2
82.5°	51.2	51.2	47.5	40.2	40.2	32.9	32.9	29.3	25.6	18.2	18.2
85°	0.0	0.0	0.0	7.3	18.2	32.9	32.9	29.3	25.6	22.0	22.0
87.5°	0.0	0.0	0.0	0.0	3.6	7.3	14.6	18.2	22.0	22.0	22.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9
2.5°	8072.6	8211.5	8474.8	8738.0	8898.9	9088.9	9432.7	9615.4	9853.1	9970.1	10200.4
5°	6504.1	6833.2	6950.2	7249.9	7571.7	7893.5	8405.3	8968.3	9436.3	9758.0	10174.8
7.5°	4745.6	4822.4	5275.7	5476.8	6003.2	6588.2	7286.5	7995.8	8588.1	9114.6	9432.7
10°	3557.3	3838.8	4124.0	4507.9	4932.0	5535.3	6204.3	6986.7	7754.5	8281.0	8683.2
12.5°	2859.1	3082.1	3462.3	3875.4	4398.3	4796.7	5469.4	6244.5	7239.0	7754.5	8284.6
15°	2164.4	2449.6	2881.0	3308.7	3860.8	4281.3	4961.3	5937.5	7217.0	7926.3	8383.3
17.5°	1605.0	1798.8	2186.3	2665.3	3228.3	3820.6	4738.3	5904.6	7462.0	8306.6	8778.2
20°	1228.4	1294.2	1539.2	1966.9	2577.5	3352.6	4376.3	6047.1	8186.0	9231.6	9710.5
22.5°	994.5	1023.7	1118.8	1414.9	2007.2	2943.2	4204.5	6145.9	9001.2	10339.3	10979.2
25°	866.5	859.2	921.3	1049.3	1568.5	2559.2	3985.1	6518.8	9999.3	11640.9	12214.9
27.5°	789.7	789.7	819.0	910.4	1301.5	2310.6	3846.1	6785.6	11004.7	12785.2	13096.0
30°	749.5	756.8	840.9	870.2	1082.2	2014.4	3615.9	7056.2	11966.3	13516.5	13944.2
32.5°	694.7	665.4	647.1	720.2	910.4	1747.6	3385.5	7169.5	12745.0	14412.2	14777.8
35°	533.8	519.1	541.1	595.9	782.4	1520.9	3129.6	7297.5	13640.8	15450.5	15523.6
37.5°	482.6	478.9	493.6	541.1	658.1	1323.5	2946.8	7264.6	14324.4	16309.7	16112.2
40°	446.1	446.1	457.0	497.2	588.6	1184.5	2756.6	7235.4	14986.2	17274.9	16697.2
42.5°	416.8	416.8	435.0	460.7	559.3	1093.1	2614.1	7195.1	15541.9	17867.1	17040.9
45°	376.6	387.5	416.8	442.4	566.7	1031.0	2508.0	7041.6	15732.0	17859.8	16876.3
47.5°	347.3	362.0	391.2	427.7	511.8	1012.7	2434.9	6906.3	15666.2	17421.1	16360.9
50°	314.4	332.7	372.9	435.0	435.0	976.1	2358.2	7027.0	15618.7	17081.1	15867.3
52°	292.5	307.1	358.3	424.1	380.2	899.4	2310.6	7260.9	15812.5	17037.2	15647.9
52.5°	288.8	299.8	347.3	416.8	362.0	884.7	2277.8	7315.8	15874.6	16927.6	15797.8
55°	255.9	270.5	318.1	325.4	296.1	727.5	2171.7	7440.1	15567.5	16711.8	15655.2
57.5°	241.3	248.6	281.5	266.9	255.9	548.4	1868.3	7246.3	13827.2	14843.6	14565.7
60°	223.0	230.3	263.2	208.4	215.7	383.9	1404.0	6292.1	11103.5	12368.4	12869.3
62.5°	215.7	212.0	248.6	168.2	182.8	277.9	990.8	5114.8	8555.2	10182.2	11048.6
65°	190.2	186.4	179.1	142.5	157.2	215.7	592.3	3338.0	6028.9	7703.3	8178.6
67.5°	146.2	153.6	131.6	113.4	131.6	168.2	329.1	1495.3	3162.5	4621.3	5005.1
70°	102.3	109.7	106.1	98.7	117.0	138.9	190.2	511.8	1308.8	2427.6	2676.2
72.5°	62.1	76.8	80.4	84.1	102.3	120.7	135.2	164.5	347.3	859.2	1067.6
75°	36.6	51.2	62.1	73.1	84.1	102.3	113.4	117.0	120.7	160.9	259.6
77.5°	25.6	36.6	54.8	69.5	84.1	102.3	120.7	128.0	120.7	113.4	120.7
80°	22.0	36.6	51.2	65.9	87.7	106.1	120.7	120.7	117.0	102.3	109.7
82.5°	22.0	36.6	54.8	69.5	84.1	102.3	117.0	120.7	109.7	102.3	106.1
85°	25.6	40.2	58.5	73.1	91.4	84.1	76.8	62.1	58.5	47.5	51.2
87.5°	25.6	36.6	36.6	40.2	43.9	43.9	43.9	40.2	32.9	29.3	29.3
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: P654488

CATALOG NUMBER: GLAN-SA7B-840-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9	9344.9
2.5°	10211.3	10503.8	10492.9	10500.2	10456.3	10160.2	10017.6	9655.7	9758.0	9714.1
5°	10602.6	10891.4	11140.1	11110.8	10774.4	10372.2	9776.3	9213.2	9059.8	8833.0
7.5°	10211.3	10906.0	11136.4	11103.5	10606.2	10090.7	9140.2	8577.1	8310.3	8160.3
10°	9589.8	10394.2	10679.4	10737.9	10401.5	9619.1	8745.3	7842.2	7699.7	7440.1
12.5°	9235.2	9820.2	9995.7	10152.9	10035.9	9450.9	8445.5	7579.0	7381.6	7209.7
15°	8946.4	9293.7	9366.8	9545.9	9615.4	9301.0	8602.7	7864.2	7377.9	7359.7
17.5°	9213.2	9070.7	8803.8	8858.7	9078.0	9304.7	9008.5	8427.2	7955.6	7897.1
20°	9655.7	9026.8	8423.5	8558.9	8741.6	9436.3	9622.7	9213.2	8942.7	8792.8
22.5°	10163.8	9103.6	8302.9	8368.7	8716.0	9732.5	10617.2	10390.6	9886.0	9670.2
25°	11103.5	9315.7	8398.0	8441.9	8917.1	10145.6	11516.6	11684.8	11385.0	11341.1
27.5°	12021.1	9864.1	8606.4	8507.6	9019.5	10547.7	12061.4	12964.4	12437.9	12335.5
30°	12489.1	10310.1	8917.1	8748.9	9443.6	10792.7	12390.4	13798.0	13337.3	13289.8
32.5°	13205.7	10715.9	9158.4	8942.7	9681.3	11096.2	13004.6	14708.3	14262.3	14024.7
35°	13505.5	11158.3	9688.6	9436.3	10361.3	11520.3	13319.0	15520.0	15381.0	15150.7
37.5°	14083.1	11633.6	10313.8	10299.1	11183.9	12072.3	13885.8	16624.1	16598.5	16200.0
40°	14130.7	12152.7	11300.9	11761.6	12456.2	13033.8	14383.0	16931.2	17348.0	17077.4
42.5°	14203.8	13063.1	13008.3	13388.5	13984.4	13860.1	14401.2	17004.3	17640.5	17479.6
45°	14236.7	13973.5	14744.9	15446.8	15695.5	14942.3	14229.4	16865.4	17794.0	17391.9
47.5°	13973.5	14755.8	16148.8	17505.2	17578.3	15607.7	14156.3	16722.8	17885.5	17618.5
50°	14010.1	15245.7	17362.6	18576.4	18309.6	16196.3	14042.9	16635.1	17837.9	17658.7
52°	13922.3	15256.7	17534.4	18554.5	18368.0	15870.9	13849.2	16298.7	17794.0	17922.0
52.5°	14021.0	15190.9	17355.3	18569.1	18327.8	16031.8	13823.6	16485.2	17819.6	17560.1
55°	13681.0	14408.5	16306.1	16821.5	16784.9	14551.2	13037.5	15867.3	17150.6	17154.2
57.5°	12364.8	12489.1	12788.9	12777.9	12609.8	11439.8	11151.0	14591.4	15289.6	14909.4
60°	10895.1	9143.8	8335.8	8006.7	7820.3	7630.2	9864.1	13348.3	13414.1	13253.2
62.5°	9414.3	6339.6	5264.7	5173.3	5217.2	5911.8	9535.0	12854.7	12459.8	12112.5
65°	7597.3	4621.3	3824.3	3703.6	4131.3	4880.8	7717.9	9856.8	9249.8	8961.0
67.5°	4771.2	3370.9	2584.8	2358.2	2873.7	3359.9	5071.0	6193.4	5513.3	5114.8
70°	2829.8	1882.8	1169.9	1049.3	1180.9	1791.5	2840.7	3089.3	2555.5	2350.8
72.5°	1115.1	691.0	325.4	277.9	288.8	628.8	1045.6	1020.0	771.4	687.3
75°	299.8	208.4	113.4	91.4	76.8	117.0	168.2	109.7	40.2	51.2
77.5°	138.9	124.3	98.7	76.8	58.5	43.9	22.0	7.3	7.3	3.6
80°	120.7	106.1	91.4	76.8	58.5	36.6	18.2	3.6	3.6	3.6
82.5°	113.4	98.7	84.1	69.5	54.8	36.6	18.2	3.6	0.0	0.0
85°	47.5	62.1	69.5	65.9	58.5	36.6	18.2	3.6	0.0	0.0
87.5°	25.6	22.0	18.2	14.6	10.9	7.3	7.3	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

(END OF REPORT)