

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: P530447

Luminaire Tested: **GLAN-SA5C-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530447
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-SA5C-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA 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: 15467 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

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

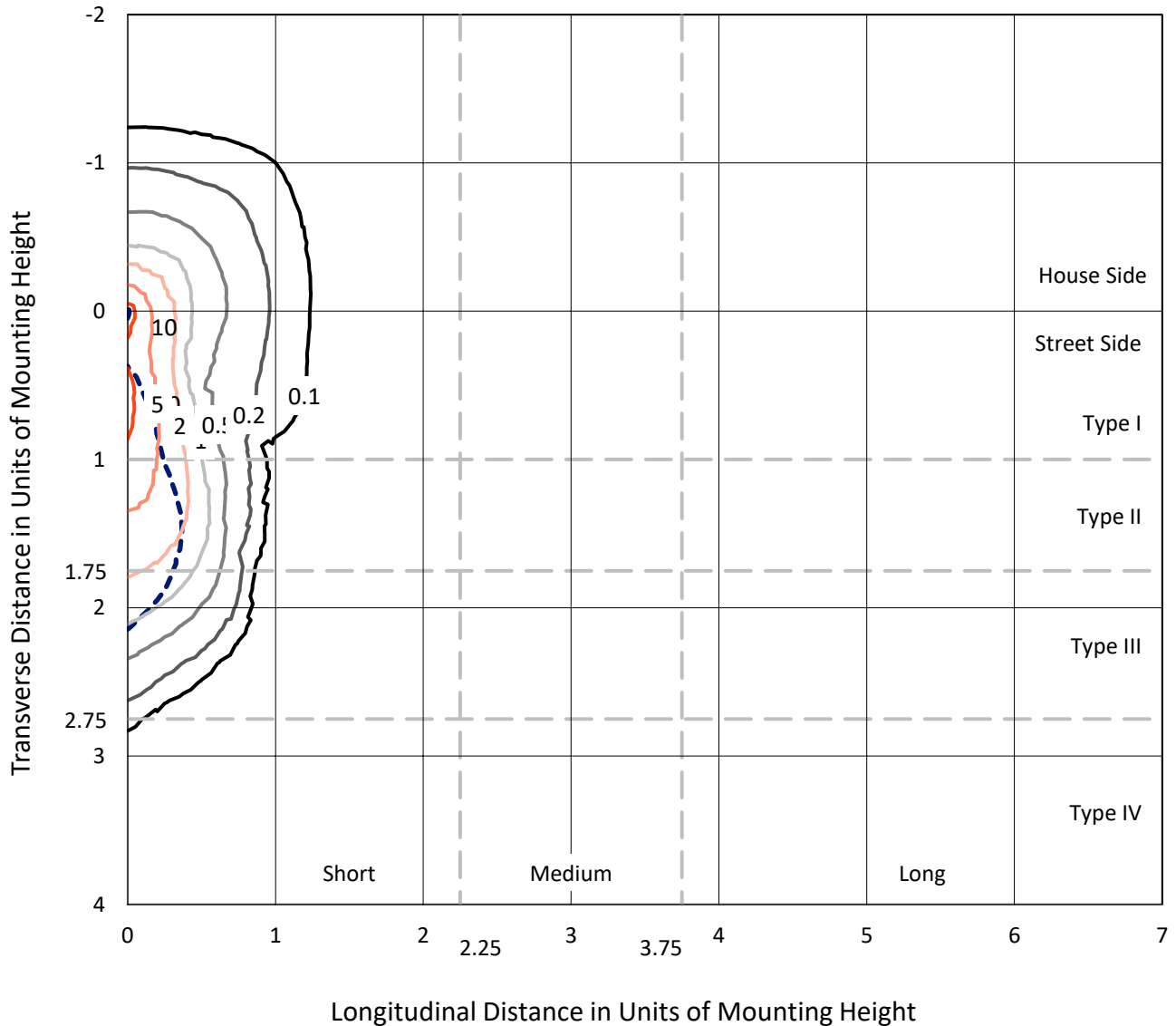




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Iso-Footcandle Lines of Horizontal Illumination

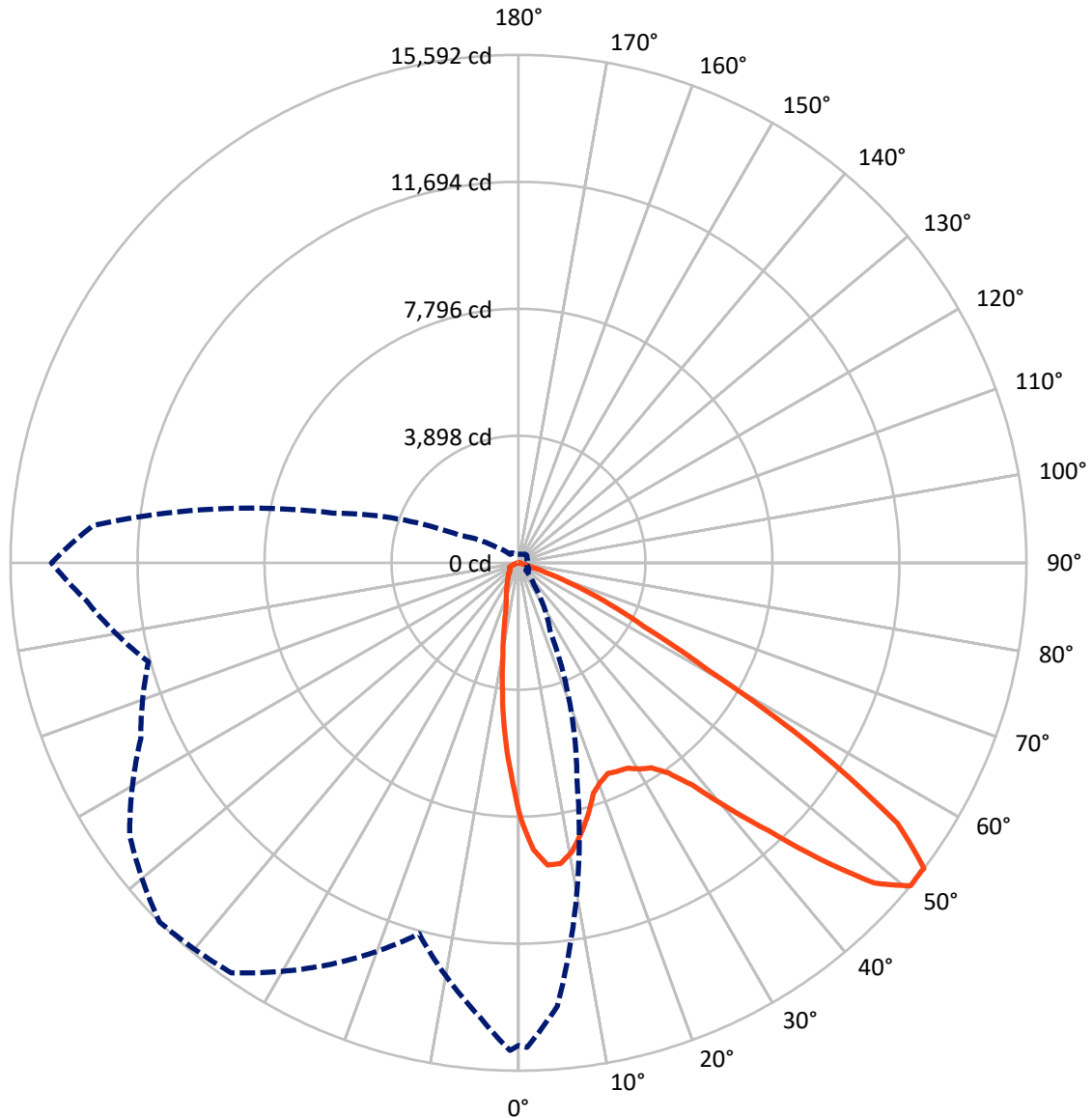
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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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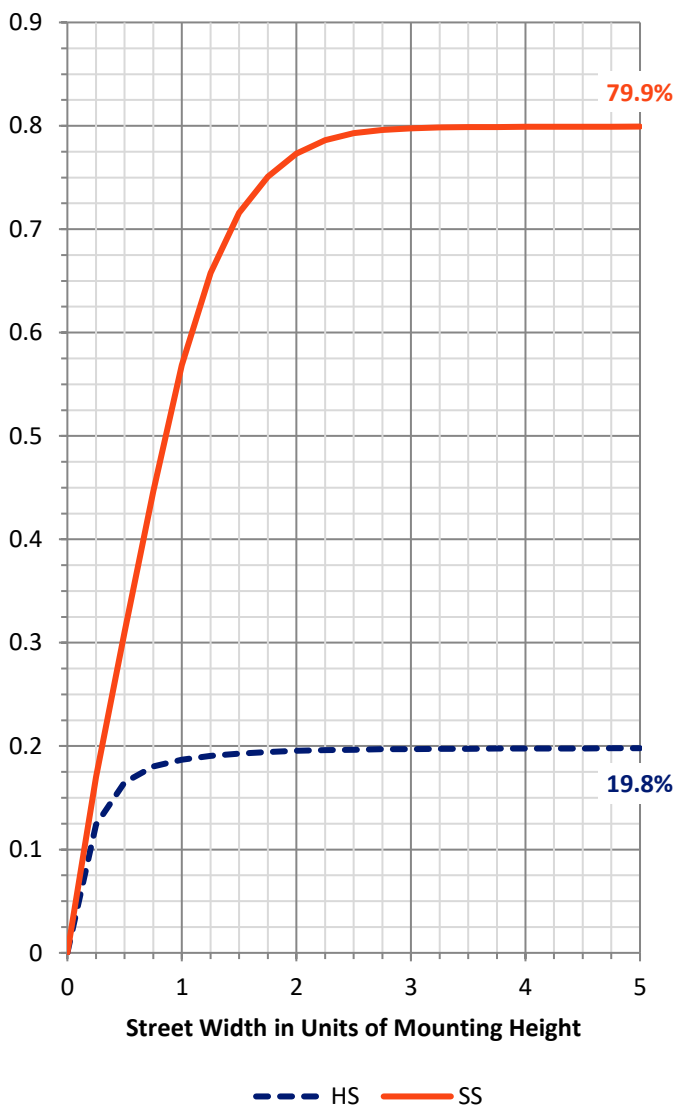
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3098.0	0.0	3098.0
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	12369.0	0.0	12369.0
	% Fixture	80.0	0.0	80.0
Total	Lumens	15467.0	0.0	15467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.7	3.7
10°-20°	1136.3	7.3
20°-30°	1707.0	11.0
30°-40°	2562.2	16.6
40°-50°	3601.0	23.3
50°-60°	3884.3	25.1
60°-70°	1803.5	11.7
70°-80°	169.7	1.1
80°-90°	31.3	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°	15467.0	100.0
0°-180°	15467.0	100.0

Coefficient of Utilization

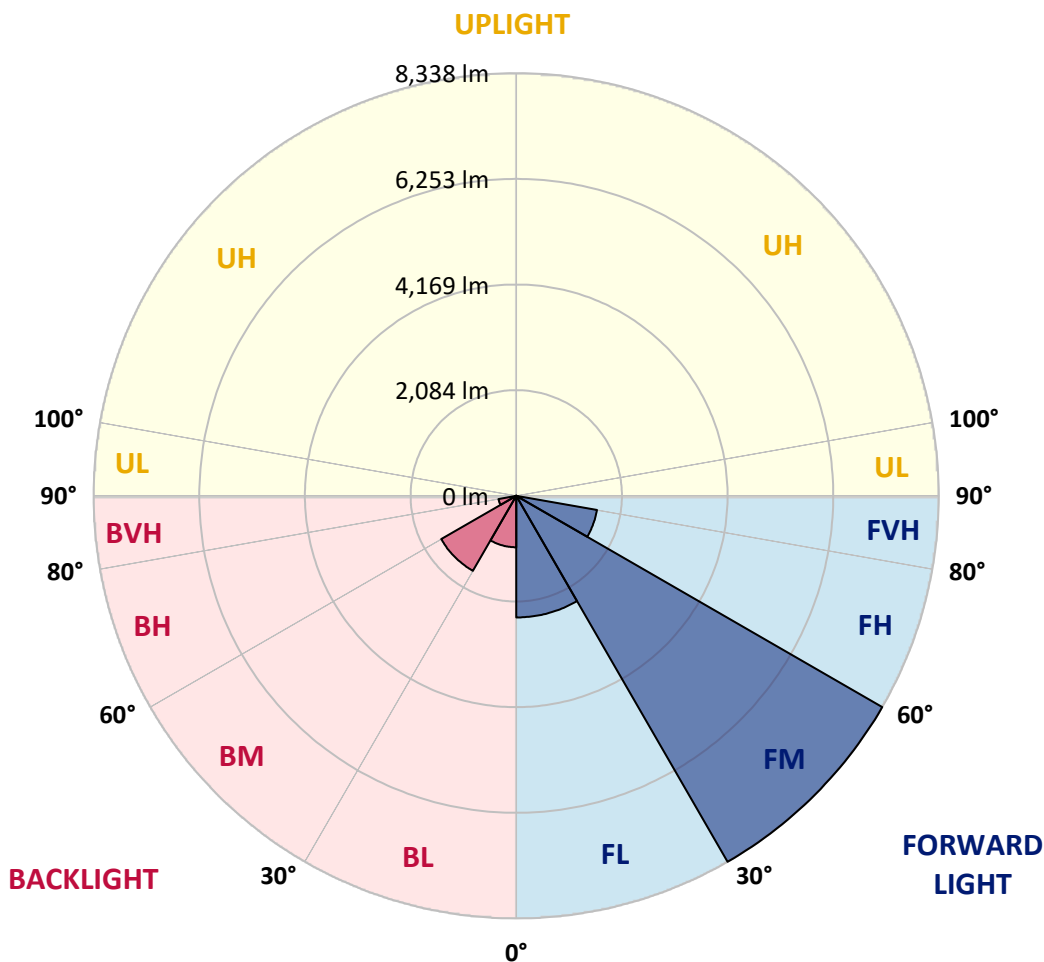


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2399.6	15.5			
FM (30°-60°)	8337.9	53.9			
FH (60°-80°)	1617.4	10.5			G1/1800
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	1015.5	6.6	B3/2500		
BM (30°-60°)	1709.7	11.1	B2/2500		
BH (60°-80°)	355.7	2.3	B1/500		G1/500
BVH (80°-90°)	17.2	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-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7
2.5°	8153.7	8027.8	7868.3	7736.3	7539.9	7144.0	7036.6	6907.8	6800.3	6656.1	6453.6
5°	7414.1	7374.2	7300.6	6803.4	6444.4	5965.6	5572.8	5407.1	5189.3	5011.3	4882.4
7.5°	6849.4	6689.9	6456.6	5956.4	5382.6	4870.1	4434.3	4179.6	3891.2	3793.0	3618.1
10°	6244.9	6281.7	5938.0	5235.3	4541.7	4127.5	3857.4	3611.9	3351.1	3179.2	2930.7
12.5°	6051.6	5931.9	5668.0	4799.5	4207.3	3820.6	3492.2	3188.4	2912.2	2636.1	2396.7
15°	6177.4	5993.3	5625.0	4707.5	3949.5	3467.7	3056.5	2645.3	2390.6	2037.6	1789.1
17.5°	6628.5	6481.2	5987.1	4805.7	3817.5	3130.1	2519.4	2096.0	1706.2	1387.1	1261.3
20°	7380.3	7171.7	6551.8	4931.5	3621.1	2722.0	2043.8	1522.1	1153.8	1018.8	948.2
22.5°	8116.8	8003.3	7220.8	5173.9	3446.2	2359.9	1534.4	1025.0	862.3	837.8	791.7
25°	9519.3	9178.6	8242.7	5612.7	3311.2	2019.2	1156.9	825.5	730.4	711.9	718.1
27.5°	10354.0	10068.6	9187.8	5904.3	3160.8	1758.4	978.9	758.0	693.5	653.6	638.3
30°	11154.9	10823.5	9657.3	6076.1	2838.6	1482.2	868.5	727.3	711.9	653.6	635.2
32.5°	11771.7	11446.4	10335.5	6333.9	2706.6	1304.2	715.0	567.7	527.8	521.7	576.9
35°	12716.9	12370.1	10915.5	6475.1	2605.4	1212.2	619.9	506.3	460.3	441.9	445.0
37.5°	13597.6	13361.3	11452.6	6530.3	2498.0	1184.5	555.4	454.2	414.3	402.0	398.9
40°	14334.1	13806.3	11962.0	6588.6	2451.9	1132.4	515.5	414.3	386.7	368.2	368.2
42.5°	14671.7	14134.7	12532.8	6554.8	2439.7	1049.5	515.5	380.5	359.0	340.6	337.6
45°	14598.0	14380.2	12787.5	6539.5	2439.7	966.7	469.5	371.3	340.6	316.1	309.9
47.5°	14788.3	14502.9	13106.6	6603.9	2390.6	908.3	395.9	389.7	322.2	291.5	285.4
50°	14822.1	14877.3	13662.1	6938.4	2283.1	834.7	309.9	383.6	309.9	263.9	257.8
52°	15043.0	14699.3	13830.8	7116.4	2169.6	779.5	260.8	328.4	297.7	245.5	239.4
52.5°	14739.2	14963.2	13870.7	7180.9	2181.9	742.6	251.6	322.2	291.5	245.5	230.2
55°	14398.6	14613.4	13708.1	7319.0	2000.8	583.1	196.4	233.2	263.9	214.8	205.6
57.5°	12514.4	12732.2	11912.9	6702.1	1629.5	411.2	162.6	174.9	233.2	199.5	190.3
60°	11124.2	10967.7	9998.0	5591.3	1156.9	230.2	128.9	135.0	254.7	184.1	181.1
62.5°	10166.8	9832.3	8356.2	4317.7	705.8	153.4	101.3	104.3	196.4	171.8	171.8
65°	7521.5	7147.1	5551.4	2611.5	346.8	107.4	76.7	82.9	122.7	147.3	147.3
67.5°	4293.2	4148.9	2682.1	1178.4	144.2	67.5	58.3	64.4	95.1	119.7	113.5
70°	1973.2	1770.7	1031.1	248.6	67.5	46.0	46.0	52.2	76.7	89.0	82.9
72.5°	576.9	546.2	251.6	39.9	27.6	27.6	30.7	39.9	58.3	67.5	61.4
75°	43.0	27.6	18.4	12.3	12.3	18.4	24.5	39.9	58.3	64.4	52.2
77.5°	3.1	6.1	3.1	3.1	9.2	18.4	27.6	49.1	76.7	79.8	58.3
80°	3.1	3.1	0.0	3.1	9.2	18.4	30.7	55.2	85.9	92.1	49.1
82.5°	0.0	0.0	0.0	3.1	12.3	24.5	36.8	58.3	79.8	98.2	52.2
85°	0.0	0.0	0.0	3.1	18.4	33.8	43.0	15.3	9.2	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°	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7
2.5°	6597.8	6518.0	6487.3	6515.0	6505.7	6496.5	6665.3	6628.5	6622.4	6677.6	6665.3
5°	4953.0	4811.8	5198.5	5042.0	5204.6	5302.8	5321.2	5330.4	5444.0	5324.3	5480.8
7.5°	3529.1	3565.9	3562.8	3667.2	3854.3	4020.1	4118.3	4041.5	4035.4	4020.1	3952.5
10°	2820.2	2755.7	2743.5	2718.9	2777.2	2918.4	3038.1	2942.9	2875.4	2967.5	2939.9
12.5°	2304.6	2215.6	2166.5	2068.3	2071.4	2166.5	2166.5	2166.5	2234.0	2286.2	2326.1
15°	1767.6	1693.9	1693.9	1595.7	1574.3	1577.3	1626.4	1632.6	1740.0	1770.7	1786.0
17.5°	1236.7	1196.8	1242.8	1282.7	1258.2	1264.3	1282.7	1288.9	1304.2	1291.9	1322.6
20°	951.3	945.2	957.4	1028.0	1080.2	1110.9	1089.4	1058.7	1040.3	997.3	997.3
22.5°	807.1	819.4	840.8	899.1	966.7	985.1	960.5	889.9	834.7	828.6	831.6
25°	718.1	730.4	764.1	800.9	837.8	868.5	843.9	791.7	761.0	733.4	733.4
27.5°	662.8	669.0	687.4	715.0	745.7	770.3	761.0	733.4	699.7	687.4	659.8
30°	619.9	629.1	650.6	656.7	684.3	696.6	681.3	675.1	653.6	638.3	629.1
32.5°	598.4	595.3	610.7	616.8	619.9	629.1	610.7	619.9	616.8	592.3	583.1
35°	451.1	475.7	515.5	549.3	558.5	570.8	567.7	555.4	521.7	494.1	460.3
37.5°	405.1	420.4	441.9	469.5	506.3	521.7	515.5	484.9	445.0	426.6	420.4
40°	374.4	383.6	402.0	420.4	457.2	484.9	463.4	435.8	405.1	389.7	380.5
42.5°	346.8	349.8	359.0	377.5	405.1	448.0	411.2	374.4	362.1	352.9	346.8
45°	316.1	316.1	328.4	337.6	368.2	408.1	371.3	337.6	331.4	325.3	322.2
47.5°	291.5	294.6	300.7	313.0	337.6	365.2	340.6	313.0	297.7	294.6	288.5
50°	260.8	263.9	276.2	288.5	319.1	334.5	319.1	288.5	273.1	263.9	263.9
52°	236.3	245.5	257.8	282.3	303.8	328.4	309.9	276.2	257.8	248.6	242.4
52.5°	233.2	239.4	251.6	279.3	303.8	325.3	306.9	273.1	251.6	245.5	239.4
55°	208.7	217.9	239.4	273.1	300.7	325.3	300.7	270.0	239.4	224.0	217.9
57.5°	199.5	205.6	233.2	276.2	297.7	325.3	300.7	270.0	239.4	211.7	205.6
60°	190.3	202.5	233.2	267.0	294.6	328.4	303.8	267.0	233.2	199.5	199.5
62.5°	181.1	190.3	230.2	260.8	282.3	316.1	291.5	260.8	224.0	190.3	187.2
65°	156.5	171.8	202.5	217.9	242.4	273.1	248.6	227.1	196.4	168.8	165.7
67.5°	119.7	125.8	150.4	168.8	184.1	211.7	199.5	171.8	150.4	128.9	128.9
70°	82.9	89.0	107.4	116.6	132.0	147.3	138.1	116.6	101.3	89.0	85.9
72.5°	58.3	61.4	67.5	73.6	79.8	85.9	82.9	67.5	58.3	55.2	52.2
75°	46.0	52.2	55.2	52.2	49.1	46.0	46.0	39.9	33.8	30.7	30.7
77.5°	46.0	49.1	46.0	39.9	33.8	30.7	27.6	24.5	18.4	15.3	18.4
80°	39.9	39.9	39.9	33.8	30.7	27.6	24.5	21.5	18.4	15.3	15.3
82.5°	43.0	43.0	39.9	33.8	33.8	27.6	27.6	24.5	21.5	15.3	15.3
85°	0.0	0.0	0.0	6.1	15.3	27.6	27.6	24.5	21.5	18.4	18.4
87.5°	0.0	0.0	0.0	0.0	3.1	6.1	12.3	15.3	18.4	18.4	18.4
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°	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7
2.5°	6775.8	6892.4	7113.4	7334.3	7469.3	7628.9	7917.4	8070.8	8270.3	8368.5	8561.8
5°	5459.3	5735.5	5833.7	6085.3	6355.4	6625.4	7055.1	7527.6	7920.4	8190.5	8540.3
7.5°	3983.2	4047.7	4428.2	4597.0	5038.9	5529.9	6116.0	6711.4	7208.5	7650.4	7917.4
10°	2985.9	3222.2	3461.5	3783.8	4139.7	4646.1	5207.7	5864.4	6508.8	6950.7	7288.3
12.5°	2399.8	2587.0	2906.1	3252.9	3691.7	4026.2	4590.8	5241.4	6076.1	6508.8	6953.8
15°	1816.7	2056.1	2418.2	2777.2	3240.6	3593.5	4164.3	4983.6	6057.7	6653.0	7036.6
17.5°	1347.2	1509.8	1835.1	2237.1	2709.7	3206.8	3977.1	4956.0	6263.3	6972.2	7368.1
20°	1031.1	1086.3	1291.9	1651.0	2163.5	2814.0	3673.3	5075.7	6870.9	7748.6	8150.6
22.5°	834.7	859.2	939.0	1187.6	1684.7	2470.3	3529.1	5158.6	7555.3	8678.4	9215.4
25°	727.3	721.2	773.3	880.7	1316.5	2148.1	3344.9	5471.6	8393.0	9770.9	10252.7
27.5°	662.8	662.8	687.4	764.1	1092.5	1939.4	3228.3	5695.6	9236.9	10731.4	10992.3
30°	629.1	635.2	705.8	730.4	908.3	1690.9	3035.0	5922.7	10044.0	11345.2	11704.2
32.5°	583.1	558.5	543.2	604.5	764.1	1466.9	2841.7	6017.8	10697.7	12097.0	12403.9
35°	448.0	435.8	454.2	500.2	656.7	1276.6	2626.8	6125.2	11449.5	12968.5	13029.9
37.5°	405.1	402.0	414.3	454.2	552.4	1110.9	2473.4	6097.6	12023.4	13689.7	13524.0
40°	374.4	374.4	383.6	417.3	494.1	994.3	2313.8	6073.1	12578.8	14499.8	14015.0
42.5°	349.8	349.8	365.2	386.7	469.5	917.6	2194.2	6039.3	13045.2	14997.0	14303.4
45°	316.1	325.3	349.8	371.3	475.7	865.4	2105.2	5910.4	13204.8	14990.8	14165.3
47.5°	291.5	303.8	328.4	359.0	429.6	850.0	2043.8	5796.9	13149.6	14622.6	13732.6
50°	263.9	279.3	313.0	365.2	365.2	819.4	1979.3	5898.1	13109.7	14337.2	13318.4
52°	245.5	257.8	300.7	356.0	319.1	754.9	1939.4	6094.5	13272.3	14300.4	13134.2
52.5°	242.4	251.6	291.5	349.8	303.8	742.6	1911.8	6140.6	13324.5	14208.3	13260.1
55°	214.8	227.1	267.0	273.1	248.6	610.7	1822.8	6244.9	13066.7	14027.2	13140.4
57.5°	202.5	208.7	236.3	224.0	214.8	460.3	1568.1	6082.3	11606.0	12459.1	12225.9
60°	187.2	193.3	220.9	174.9	181.1	322.2	1178.4	5281.3	9319.8	10381.6	10802.0
62.5°	181.1	178.0	208.7	141.2	153.4	233.2	831.6	4293.2	7180.9	8546.5	9273.8
65°	159.6	156.5	150.4	119.7	132.0	181.1	497.1	2801.8	5060.4	6465.9	6864.8
67.5°	122.7	128.9	110.5	95.1	110.5	141.2	276.2	1255.1	2654.5	3878.9	4201.1
70°	85.9	92.1	89.0	82.9	98.2	116.6	159.6	429.6	1098.6	2037.6	2246.3
72.5°	52.2	64.4	67.5	70.6	85.9	101.3	113.5	138.1	291.5	721.2	896.1
75°	30.7	43.0	52.2	61.4	70.6	85.9	95.1	98.2	101.3	135.0	217.9
77.5°	21.5	30.7	46.0	58.3	70.6	85.9	101.3	107.4	101.3	95.1	101.3
80°	18.4	30.7	43.0	55.2	73.6	89.0	101.3	101.3	98.2	85.9	92.1
82.5°	18.4	30.7	46.0	58.3	70.6	85.9	98.2	101.3	92.1	85.9	89.0
85°	21.5	33.8	49.1	61.4	76.7	70.6	64.4	52.2	49.1	39.9	43.0
87.5°	21.5	30.7	30.7	33.8	36.8	36.8	36.8	33.8	27.6	24.5	24.5
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: P530447

CATALOG NUMBER: GLAN-SA5C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7	7843.7
2.5°	8571.0	8816.5	8807.3	8813.4	8776.6	8528.0	8408.4	8104.6	8190.5	8153.7
5°	8899.4	9141.8	9350.5	9325.9	9043.6	8706.0	8205.8	7733.2	7604.4	7414.1
7.5°	8571.0	9154.1	9347.4	9319.8	8902.4	8469.7	7671.9	7199.3	6975.3	6849.4
10°	8049.3	8724.4	8963.8	9012.9	8730.6	8073.9	7340.4	6582.5	6462.8	6244.9
12.5°	7751.7	8242.7	8390.0	8521.9	8423.7	7932.7	7088.8	6361.5	6195.8	6051.6
15°	7509.2	7800.8	7862.1	8012.5	8070.8	7806.9	7220.8	6600.9	6192.7	6177.4
17.5°	7733.2	7613.6	7389.5	7435.6	7619.7	7810.0	7561.4	7073.5	6677.6	6628.5
20°	8104.6	7576.7	7070.4	7183.9	7337.4	7920.4	8076.9	7733.2	7506.2	7380.3
22.5°	8531.1	7641.2	6969.1	7024.4	7315.9	8169.0	8911.6	8721.4	8297.9	8116.8
25°	9319.8	7819.2	7048.9	7085.7	7484.7	8515.8	9666.6	9807.7	9556.1	9519.3
27.5°	10090.0	8279.5	7223.8	7141.0	7570.6	8853.3	10123.8	10881.8	10439.9	10354.0
30°	10482.8	8653.9	7484.7	7343.5	7926.6	9058.9	10400.0	11581.5	11194.8	11154.9
32.5°	11084.3	8994.5	7687.2	7506.2	8126.0	9313.6	10915.5	12345.6	11971.2	11771.7
35°	11336.0	9365.8	8132.2	7920.4	8696.8	9669.6	11179.4	13026.8	12910.2	12716.9
37.5°	11820.8	9764.8	8656.9	8644.7	9387.3	10133.0	11655.1	13953.6	13932.1	13597.6
40°	11860.7	10200.5	9485.5	9872.2	10455.2	10940.1	12072.5	14211.4	14561.2	14334.1
42.5°	11922.1	10964.6	10918.6	11237.8	11738.0	11633.6	12087.8	14272.7	14806.7	14671.7
45°	11949.7	11728.8	12376.3	12965.5	13174.1	12542.0	11943.6	14156.1	14935.6	14598.0
47.5°	11728.8	12385.5	13554.7	14693.2	14754.5	13100.5	11882.2	14036.5	15012.3	14788.3
50°	11759.4	12796.7	14573.5	15592.3	15368.3	13594.6	11787.1	13962.8	14972.4	14822.1
52°	11685.8	12805.9	14717.7	15573.9	15417.4	13321.4	11624.4	13680.5	14935.6	15043.0
52.5°	11768.6	12750.6	14567.3	15586.2	15383.6	13456.5	11602.9	13837.0	14957.1	14739.2
55°	11483.3	12093.9	13686.6	14119.3	14088.6	12213.6	10943.2	13318.4	14395.5	14398.6
57.5°	10378.5	10482.8	10734.5	10725.3	10584.1	9602.1	9359.7	12247.4	12833.5	12514.4
60°	9144.9	7674.9	6996.7	6720.6	6564.1	6404.5	8279.5	11204.0	11259.2	11124.2
62.5°	7902.0	5321.2	4419.0	4342.3	4379.1	4962.2	8003.3	10789.7	10458.3	10166.8
65°	6376.9	3878.9	3209.9	3108.6	3467.7	4096.8	6478.1	8273.3	7763.9	7521.5
67.5°	4004.7	2829.4	2169.6	1979.3	2412.0	2820.2	4256.4	5198.5	4627.7	4293.2
70°	2375.2	1580.4	982.0	880.7	991.2	1503.7	2384.4	2593.1	2145.1	1973.2
72.5°	936.0	580.0	273.1	233.2	242.4	527.8	877.7	856.2	647.5	576.9
75°	251.6	174.9	95.1	76.7	64.4	98.2	141.2	92.1	33.8	43.0
77.5°	116.6	104.3	82.9	64.4	49.1	36.8	18.4	6.1	6.1	3.1
80°	101.3	89.0	76.7	64.4	49.1	30.7	15.3	3.1	3.1	3.1
82.5°	95.1	82.9	70.6	58.3	46.0	30.7	15.3	3.1	0.0	0.0
85°	39.9	52.2	58.3	55.2	49.1	30.7	15.3	3.1	0.0	0.0
87.5°	21.5	18.4	15.3	12.3	9.2	6.1	6.1	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)