

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: P531383

Luminaire Tested: **GLAN-SA6C-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531383
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-SA6C-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 18314 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

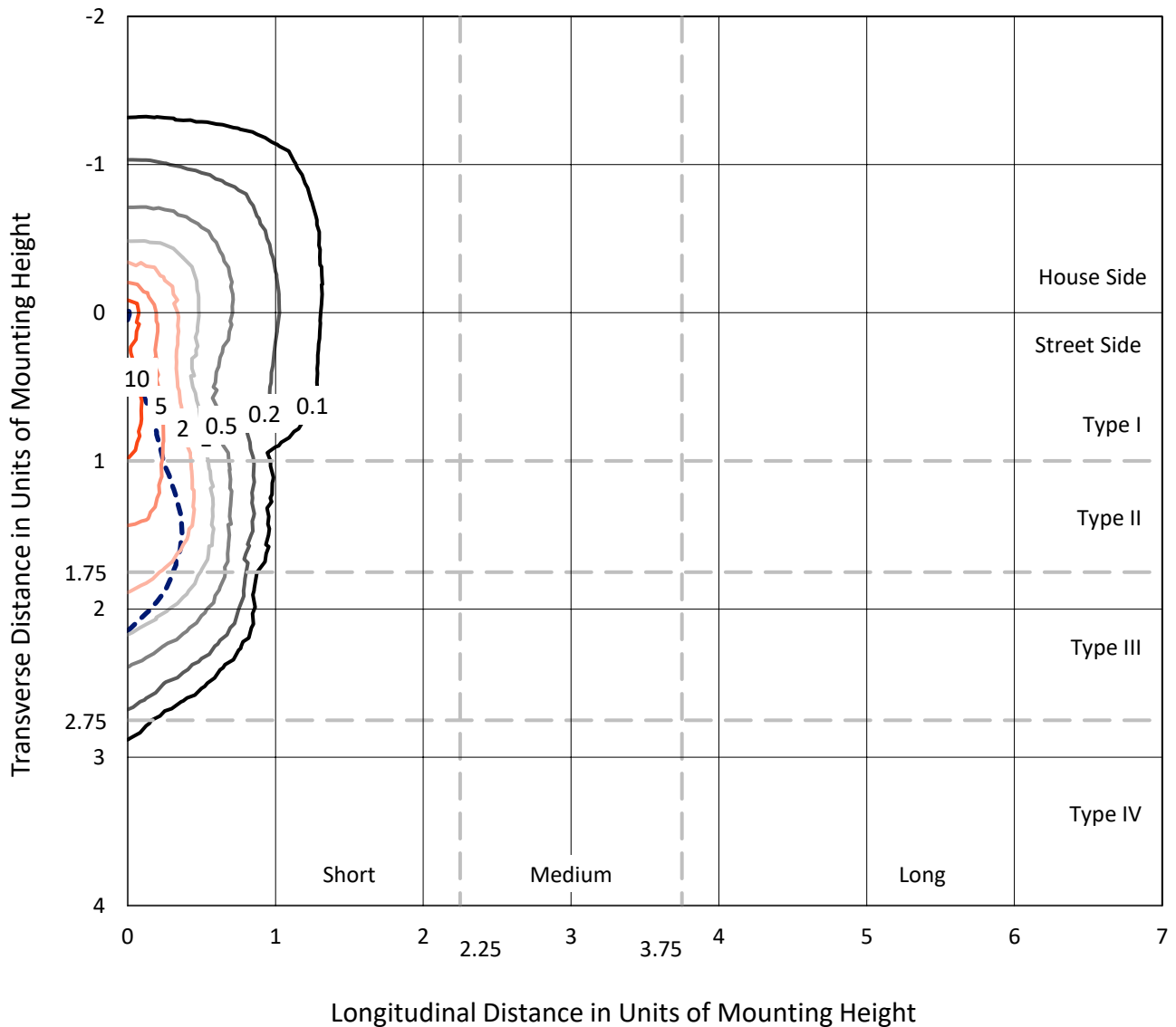
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

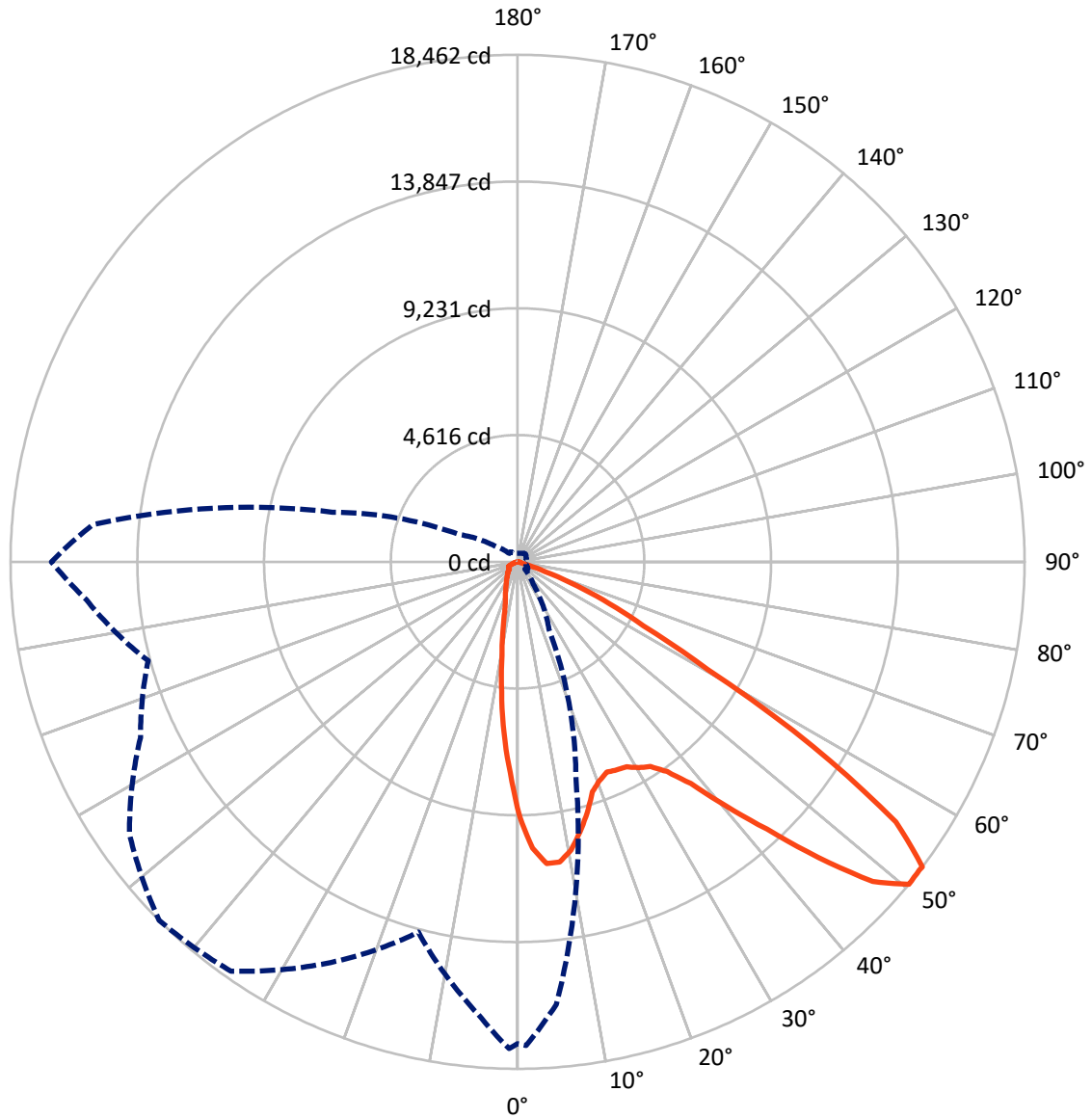
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc
 Type 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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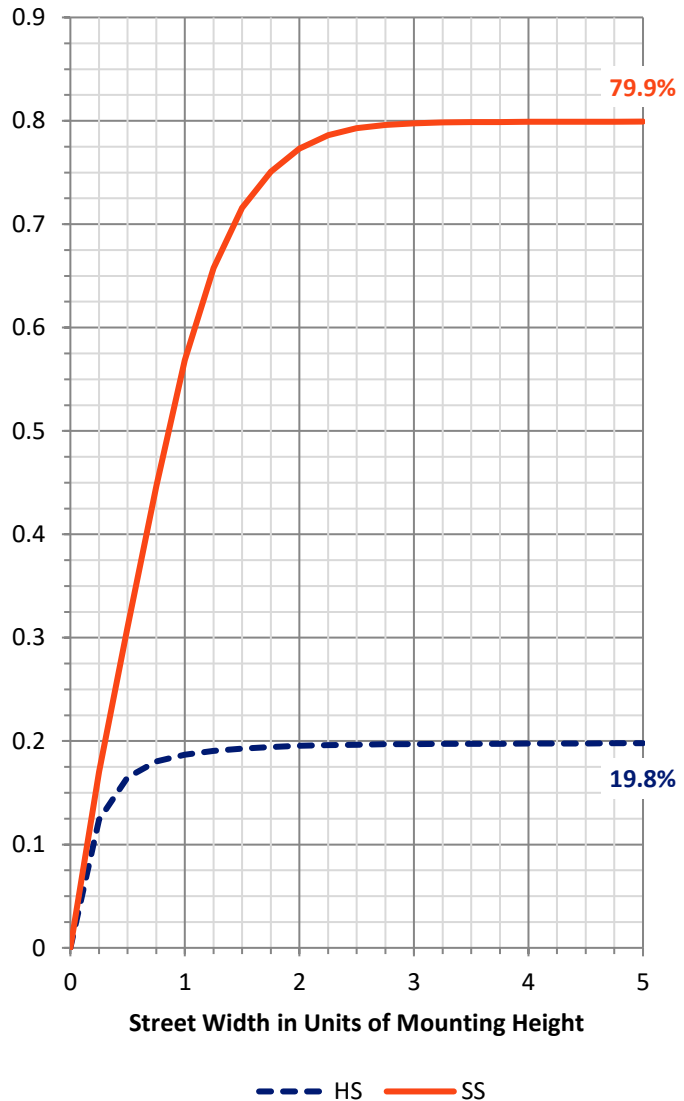
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3668.3	0.0	3668.3
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	14645.7	0.0	14645.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	18314.0	0.0	18314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	677.0	3.7
10°-20°	1345.4	7.3
20°-30°	2021.2	11.0
30°-40°	3033.8	16.6
40°-50°	4263.8	23.3
50°-60°	4599.3	25.1
60°-70°	2135.4	11.7
70°-80°	200.9	1.1
80°-90°	37.0	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°	18314.0	100.0
0°-180°	18314.0	100.0

Coefficient of Utilization



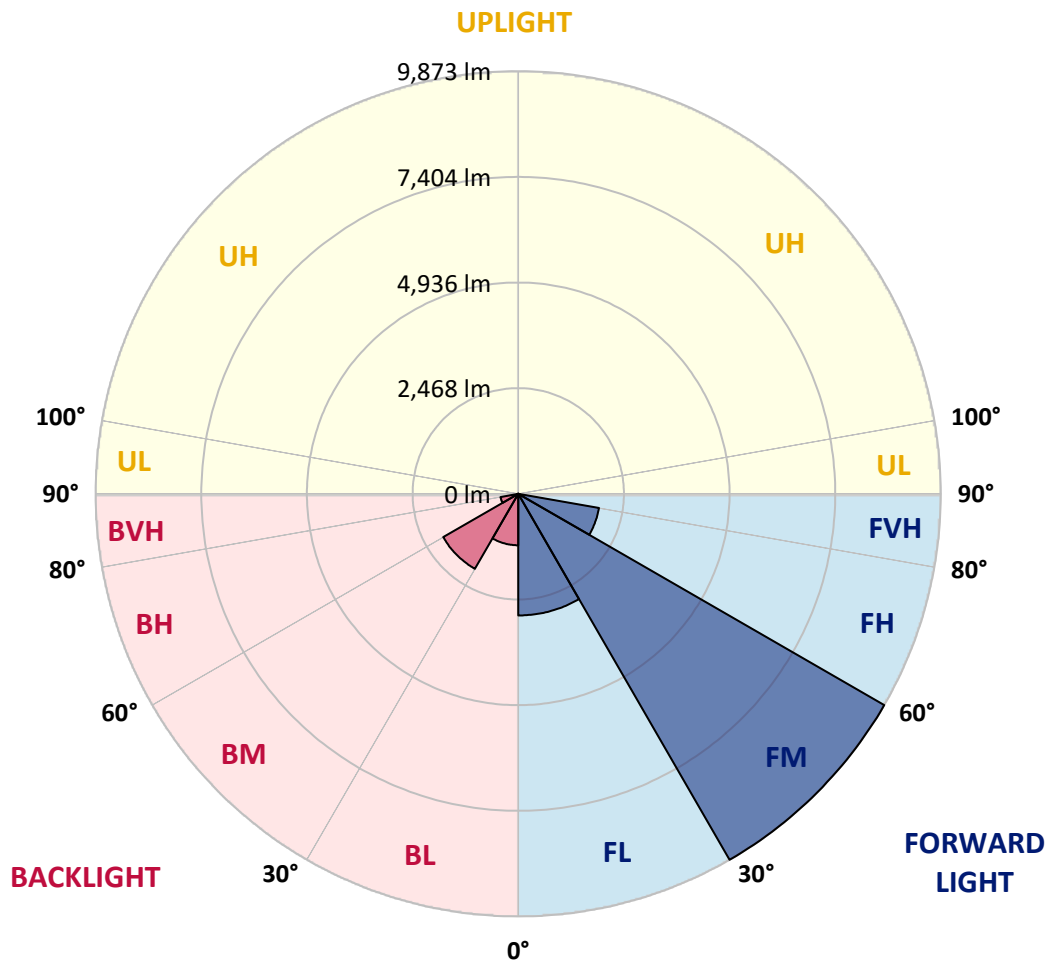
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2841.3	15.5			
FM	(30°-60°)	9872.6	53.9			
FH	(60°-80°)	1915.1	10.5			G2/5000
FVH	(80°-90°)	16.7	0.1			G1/100
BL	(0°-30°)	1202.4	6.6	B3/2500		
BM	(30°-60°)	2024.4	11.1	B2/2500		
BH	(60°-80°)	421.2	2.3	B1/500		G1/500
BVH	(80°-90°)	20.4	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°	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5
2.5°	9654.5	9505.5	9316.6	9160.3	8927.8	8459.0	8331.9	8179.3	8052.1	7881.3	7641.5
5°	8778.8	8731.6	8644.4	8055.7	7630.6	7063.7	6598.6	6402.4	6144.4	5933.7	5781.1
7.5°	8110.2	7921.3	7645.1	7052.8	6373.4	5766.5	5250.6	4949.0	4607.4	4491.1	4284.0
10°	7394.4	7438.0	7031.0	6198.9	5377.7	4887.2	4567.4	4276.8	3967.9	3764.4	3470.1
12.5°	7165.5	7023.8	6711.3	5683.0	4981.7	4523.8	4135.0	3775.3	3448.3	3121.3	2837.8
15°	7314.5	7096.4	6660.4	5574.0	4676.5	4106.0	3619.1	3132.2	2830.6	2412.7	2118.4
17.5°	7848.6	7674.2	7089.2	5690.2	4520.2	3706.3	2983.2	2481.8	2020.3	1642.4	1493.4
20°	8738.8	8491.7	7757.8	5839.2	4287.7	3223.0	2420.0	1802.3	1366.2	1206.4	1122.8
22.5°	9610.9	9476.5	8549.9	6126.3	4080.5	2794.2	1816.8	1213.6	1021.0	992.0	937.5
25°	11271.5	10868.1	9759.9	6645.9	3920.7	2390.9	1369.9	977.4	864.8	843.0	850.3
27.5°	12259.8	11921.9	10879.0	6991.1	3742.6	2082.1	1159.1	897.5	821.2	774.0	755.8
30°	13208.2	12815.7	11435.0	7194.5	3361.1	1755.0	1028.3	861.2	843.0	774.0	752.2
32.5°	13938.5	13553.4	12238.0	7499.8	3204.8	1544.3	846.6	672.2	625.0	617.7	683.1
35°	15057.7	14647.1	12924.7	7666.9	3084.9	1435.3	734.0	599.5	545.0	523.2	526.9
37.5°	16100.5	15820.7	13560.6	7732.3	2957.8	1402.6	657.7	537.8	490.5	476.0	472.4
40°	16972.6	16347.6	14163.8	7801.4	2903.3	1340.8	610.4	490.5	457.8	436.0	436.0
42.5°	17372.3	16736.4	14839.7	7761.4	2888.7	1242.7	610.4	450.6	425.1	403.3	399.7
45°	17285.1	17027.1	15141.3	7743.2	2888.7	1144.6	555.9	439.7	403.3	374.3	367.0
47.5°	17510.4	17172.4	15519.1	7819.5	2830.6	1075.5	468.7	461.5	381.5	345.2	337.9
50°	17550.3	17615.7	16176.8	8215.6	2703.4	988.3	367.0	454.2	367.0	312.5	305.2
52°	17812.0	17405.0	16376.7	8426.3	2569.0	922.9	308.9	388.8	352.5	290.7	283.4
52.5°	17452.2	17717.5	16423.9	8502.6	2583.5	879.3	298.0	381.5	345.2	290.7	272.5
55°	17048.9	17303.2	16231.3	8666.2	2369.1	690.4	232.6	276.2	312.5	254.4	243.5
57.5°	14817.9	15075.8	14105.7	7935.8	1929.4	486.9	192.6	207.1	276.2	236.2	225.3
60°	13171.8	12986.5	11838.3	6620.4	1369.9	272.5	152.6	159.9	301.6	218.0	214.4
62.5°	12038.1	11642.1	9894.3	5112.5	835.7	181.7	119.9	123.5	232.6	203.5	203.5
65°	8906.0	8462.7	6573.2	3092.2	410.6	127.2	90.8	98.1	145.3	174.4	174.4
67.5°	5083.4	4912.6	3175.8	1395.3	170.8	79.9	69.0	76.3	112.6	141.7	134.4
70°	2336.4	2096.6	1220.9	294.3	79.9	54.5	54.5	61.8	90.8	105.4	98.1
72.5°	683.1	646.8	298.0	47.2	32.7	32.7	36.3	47.2	69.0	79.9	72.7
75°	50.9	32.7	21.8	14.5	14.5	21.8	29.1	47.2	69.0	76.3	61.8
77.5°	3.6	7.3	3.6	3.6	10.9	21.8	32.7	58.1	90.8	94.5	69.0
80°	3.6	3.6	0.0	3.6	10.9	21.8	36.3	65.4	101.7	109.0	58.1
82.5°	0.0	0.0	0.0	3.6	14.5	29.1	43.6	69.0	94.5	116.3	61.8
85°	0.0	0.0	0.0	3.6	21.8	40.0	50.9	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°	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5
2.5°	7812.3	7717.8	7681.5	7714.2	7703.3	7692.4	7892.2	7848.6	7841.3	7906.7	7892.2
5°	5864.6	5697.5	6155.3	5970.0	6162.6	6278.9	6300.7	6311.6	6446.0	6304.3	6489.6
7.5°	4178.7	4222.3	4218.6	4342.2	4563.8	4760.0	4876.3	4785.5	4778.2	4760.0	4680.1
10°	3339.3	3263.0	3248.4	3219.4	3288.4	3455.6	3597.3	3484.6	3404.7	3513.7	3481.0
12.5°	2728.8	2623.5	2565.3	2449.1	2452.7	2565.3	2565.3	2565.3	2645.3	2707.0	2754.3
15°	2093.0	2005.8	2005.8	1889.5	1864.0	1867.7	1925.8	1933.1	2060.3	2096.6	2114.8
17.5°	1464.3	1417.1	1471.6	1518.8	1489.8	1497.0	1518.8	1526.1	1544.3	1529.7	1566.1
20°	1126.4	1119.2	1133.7	1217.3	1279.0	1315.4	1289.9	1253.6	1231.8	1180.9	1180.9
22.5°	955.6	970.2	995.6	1064.6	1144.6	1166.4	1137.3	1053.7	988.3	981.1	984.7
25°	850.3	864.8	904.8	948.4	992.0	1028.3	999.2	937.5	901.1	868.4	868.4
27.5°	784.9	792.1	813.9	846.6	883.0	912.0	901.1	868.4	828.5	813.9	781.2
30°	734.0	744.9	770.3	777.6	810.3	824.8	806.7	799.4	774.0	755.8	744.9
32.5°	708.6	704.9	723.1	730.4	734.0	744.9	723.1	734.0	730.4	701.3	690.4
35°	534.1	563.2	610.4	650.4	661.3	675.9	672.2	657.7	617.7	585.0	545.0
37.5°	479.6	497.8	523.2	555.9	599.5	617.7	610.4	574.1	526.9	505.1	497.8
40°	443.3	454.2	476.0	497.8	541.4	574.1	548.7	516.0	479.6	461.5	450.6
42.5°	410.6	414.2	425.1	446.9	479.6	530.5	486.9	443.3	428.8	417.9	410.6
45°	374.3	374.3	388.8	399.7	436.0	483.3	439.7	399.7	392.4	385.2	381.5
47.5°	345.2	348.8	356.1	370.6	399.7	432.4	403.3	370.6	352.5	348.8	341.6
50°	308.9	312.5	327.0	341.6	377.9	396.1	377.9	341.6	323.4	312.5	312.5
52°	279.8	290.7	305.2	334.3	359.7	388.8	367.0	327.0	305.2	294.3	287.1
52.5°	276.2	283.4	298.0	330.7	359.7	385.2	363.4	323.4	298.0	290.7	283.4
55°	247.1	258.0	283.4	323.4	356.1	385.2	356.1	319.8	283.4	265.3	258.0
57.5°	236.2	243.5	276.2	327.0	352.5	385.2	356.1	319.8	283.4	250.7	243.5
60°	225.3	239.8	276.2	316.1	348.8	388.8	359.7	316.1	276.2	236.2	236.2
62.5°	214.4	225.3	272.5	308.9	334.3	374.3	345.2	308.9	265.3	225.3	221.7
65°	185.3	203.5	239.8	258.0	287.1	323.4	294.3	268.9	232.6	199.8	196.2
67.5°	141.7	149.0	178.0	199.8	218.0	250.7	236.2	203.5	178.0	152.6	152.6
70°	98.1	105.4	127.2	138.1	156.2	174.4	163.5	138.1	119.9	105.4	101.7
72.5°	69.0	72.7	79.9	87.2	94.5	101.7	98.1	79.9	69.0	65.4	61.8
75°	54.5	61.8	65.4	61.8	58.1	54.5	54.5	47.2	40.0	36.3	36.3
77.5°	54.5	58.1	54.5	47.2	40.0	36.3	32.7	29.1	21.8	18.2	21.8
80°	47.2	47.2	47.2	40.0	36.3	32.7	29.1	25.4	21.8	18.2	18.2
82.5°	50.9	50.9	47.2	40.0	40.0	32.7	32.7	29.1	25.4	18.2	18.2
85°	0.0	0.0	0.0	7.3	18.2	32.7	32.7	29.1	25.4	21.8	21.8
87.5°	0.0	0.0	0.0	0.0	3.6	7.3	14.5	18.2	21.8	21.8	21.8
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°	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5
2.5°	8023.0	8161.1	8422.7	8684.3	8844.2	9033.2	9374.7	9556.4	9792.6	9908.9	10137.8
5°	6464.2	6791.2	6907.5	7205.4	7525.2	7845.0	8353.7	8913.2	9378.3	9698.1	10112.3
7.5°	4716.4	4792.7	5243.3	5443.1	5966.4	6547.8	7241.8	7946.7	8535.3	9058.6	9374.7
10°	3535.5	3815.3	4098.7	4480.2	4901.7	5501.3	6166.2	6943.8	7706.9	8230.1	8629.8
12.5°	2841.5	3063.1	3441.0	3851.6	4371.2	4767.3	5435.9	6206.2	7194.5	7706.9	8233.8
15°	2151.1	2434.5	2863.3	3288.4	3837.1	4255.0	4930.8	5901.0	7172.7	7877.7	8331.9
17.5°	1595.2	1787.7	2172.9	2648.9	3208.5	3797.1	4709.2	5868.3	7416.2	8255.6	8724.3
20°	1220.9	1286.3	1529.7	1954.9	2561.7	3332.0	4349.4	6010.0	8135.7	9174.9	9650.9
22.5°	988.3	1017.4	1111.9	1406.2	1994.9	2925.1	4178.7	6108.1	8945.9	10275.8	10911.7
25°	861.2	853.9	915.7	1042.8	1558.8	2543.5	3960.6	6478.7	9937.9	11569.4	12139.9
27.5°	784.9	784.9	813.9	904.8	1293.6	2296.4	3822.6	6744.0	10937.2	12706.7	13015.6
30°	744.9	752.2	835.7	864.8	1075.5	2002.1	3593.6	7012.9	11892.8	13433.5	13858.6
32.5°	690.4	661.3	643.1	715.8	904.8	1736.9	3364.7	7125.5	12666.8	14323.7	14687.1
35°	530.5	516.0	537.8	592.3	777.6	1511.6	3110.4	7252.7	13557.0	15355.6	15428.3
37.5°	479.6	476.0	490.5	537.8	654.0	1315.4	2928.7	7220.0	14236.5	16209.5	16013.3
40°	443.3	443.3	454.2	494.2	585.0	1177.3	2739.7	7190.9	14894.2	17168.8	16594.7
42.5°	414.2	414.2	432.4	457.8	555.9	1086.4	2598.0	7150.9	15446.5	17757.5	16936.3
45°	374.3	385.2	414.2	439.7	563.2	1024.7	2492.7	6998.3	15635.4	17750.2	16772.7
47.5°	345.2	359.7	388.8	425.1	508.7	1006.5	2420.0	6863.9	15570.0	17314.2	16260.4
50°	312.5	330.7	370.6	432.4	432.4	970.2	2343.7	6983.8	15522.8	16976.2	15769.9
52°	290.7	305.2	356.1	421.5	377.9	893.9	2296.4	7216.3	15715.4	16932.6	15551.8
52.5°	287.1	298.0	345.2	414.2	359.7	879.3	2263.7	7270.9	15777.1	16823.6	15700.8
55°	254.4	268.9	316.1	323.4	294.3	723.1	2158.4	7394.4	15471.9	16609.2	15559.1
57.5°	239.8	247.1	279.8	265.3	254.4	545.0	1856.8	7201.8	13742.3	14752.5	14476.3
60°	221.7	228.9	261.6	207.1	214.4	381.5	1395.3	6253.4	11035.3	12292.5	12790.3
62.5°	214.4	210.7	247.1	167.1	181.7	276.2	984.7	5083.4	8502.6	10119.6	10980.8
65°	188.9	185.3	178.0	141.7	156.2	214.4	588.6	3317.5	5991.8	7656.0	8128.4
67.5°	145.3	152.6	130.8	112.6	130.8	167.1	327.0	1486.1	3143.1	4592.9	4974.4
70°	101.7	109.0	105.4	98.1	116.3	138.1	188.9	508.7	1300.8	2412.7	2659.8
72.5°	61.8	76.3	79.9	83.6	101.7	119.9	134.4	163.5	345.2	853.9	1061.0
75°	36.3	50.9	61.8	72.7	83.6	101.7	112.6	116.3	119.9	159.9	258.0
77.5°	25.4	36.3	54.5	69.0	83.6	101.7	119.9	127.2	119.9	112.6	119.9
80°	21.8	36.3	50.9	65.4	87.2	105.4	119.9	119.9	116.3	101.7	109.0
82.5°	21.8	36.3	54.5	69.0	83.6	101.7	116.3	119.9	109.0	101.7	105.4
85°	25.4	40.0	58.1	72.7	90.8	83.6	76.3	61.8	58.1	47.2	50.9
87.5°	25.4	36.3	36.3	40.0	43.6	43.6	43.6	40.0	32.7	29.1	29.1
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: P531383

CATALOG NUMBER: GLAN-SA6C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5	9287.5
2.5°	10148.7	10439.4	10428.5	10435.7	10392.1	10097.8	9956.1	9596.4	9698.1	9654.5
5°	10537.5	10824.5	11071.6	11042.5	10708.2	10308.6	9716.3	9156.7	9004.1	8778.8
7.5°	10148.7	10839.1	11068.0	11035.3	10541.1	10028.8	9084.0	8524.4	8259.2	8110.2
10°	9531.0	10330.4	10613.8	10671.9	10337.6	9560.0	8691.6	7794.1	7652.4	7394.4
12.5°	9178.5	9759.9	9934.3	10090.5	9974.3	9392.9	8393.6	7532.5	7336.3	7165.5
15°	8891.4	9236.6	9309.3	9487.4	9556.4	9243.9	8549.9	7815.9	7332.6	7314.5
17.5°	9156.7	9015.0	8749.7	8804.2	9022.3	9247.5	8953.2	8375.5	7906.7	7848.6
20°	9596.4	8971.4	8371.8	8506.3	8688.0	9378.3	9563.7	9156.7	8887.8	8738.8
22.5°	10101.4	9047.7	8251.9	8317.3	8662.5	9672.7	10552.0	10326.7	9825.3	9610.9
25°	11035.3	9258.4	8346.4	8390.0	8862.4	10083.3	11445.9	11613.0	11315.1	11271.5
27.5°	11947.3	9803.5	8553.5	8455.4	8964.1	10483.0	11987.3	12884.8	12361.5	12259.8
30°	12412.4	10246.8	8862.4	8695.2	9385.6	10726.4	12314.3	13713.2	13255.4	13208.2
32.5°	13124.6	10650.1	9102.2	8887.8	9621.8	11028.0	12924.7	14618.0	14174.7	13938.5
35°	13422.6	11089.8	9629.1	9378.3	10297.7	11449.5	13237.2	15424.7	15286.6	15057.7
37.5°	13996.7	11562.1	10250.4	10235.9	11115.2	11998.2	13800.4	16522.0	16496.6	16100.5
40°	14043.9	12078.1	11231.5	11689.3	12379.7	12953.8	14294.6	16827.2	17241.5	16972.6
42.5°	14116.6	12982.9	12928.4	13306.3	13898.6	13775.0	14312.8	16899.9	17532.2	17372.3
45°	14149.3	13887.7	14654.3	15352.0	15599.1	14850.6	14142.0	16761.8	17684.8	17285.1
47.5°	13887.7	14665.2	16049.7	17397.7	17470.4	15511.9	14069.3	16620.1	17775.6	17510.4
50°	13924.0	15152.2	17256.0	18462.4	18197.1	16096.9	13956.7	16532.9	17728.4	17550.3
52°	13836.8	15163.1	17426.8	18440.6	18255.3	15773.5	13764.1	16198.6	17684.8	17812.0
52.5°	13934.9	15097.6	17248.7	18455.1	18215.3	15933.4	13738.7	16383.9	17710.2	17452.2
55°	13597.0	14320.1	16205.9	16718.2	16681.9	14461.8	12957.5	15769.9	17045.3	17048.9
57.5°	12288.9	12412.4	12710.4	12699.5	12532.3	11369.6	11082.5	14501.7	15195.8	14817.9
60°	10828.2	9087.7	8284.6	7957.6	7772.3	7583.3	9803.5	13266.3	13331.7	13171.8
62.5°	9356.5	6300.7	5232.4	5141.6	5185.2	5875.5	9476.5	12775.8	12383.3	12038.1
65°	7550.6	4592.9	3800.8	3680.8	4106.0	4850.9	7670.6	9796.2	9193.0	8906.0
67.5°	4741.9	3350.2	2569.0	2343.7	2856.0	3339.3	5039.8	6155.3	5479.5	5083.4
70°	2812.4	1871.3	1162.8	1042.8	1173.7	1780.5	2823.3	3070.4	2539.9	2336.4
72.5°	1108.3	686.8	323.4	276.2	287.1	625.0	1039.2	1013.8	766.7	683.1
75°	298.0	207.1	112.6	90.8	76.3	116.3	167.1	109.0	40.0	50.9
77.5°	138.1	123.5	98.1	76.3	58.1	43.6	21.8	7.3	7.3	3.6
80°	119.9	105.4	90.8	76.3	58.1	36.3	18.2	3.6	3.6	3.6
82.5°	112.6	98.1	83.6	69.0	54.5	36.3	18.2	3.6	0.0	0.0
85°	47.2	61.8	69.0	65.4	58.1	36.3	18.2	3.6	0.0	0.0
87.5°	25.4	21.8	18.2	14.5	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)