

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: P533255

Luminaire Tested: **GLAN-SA8C-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533255
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-SA8C-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 24940 lumens
Efficiency: N/A
Efficacy: 58.1 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): 429
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

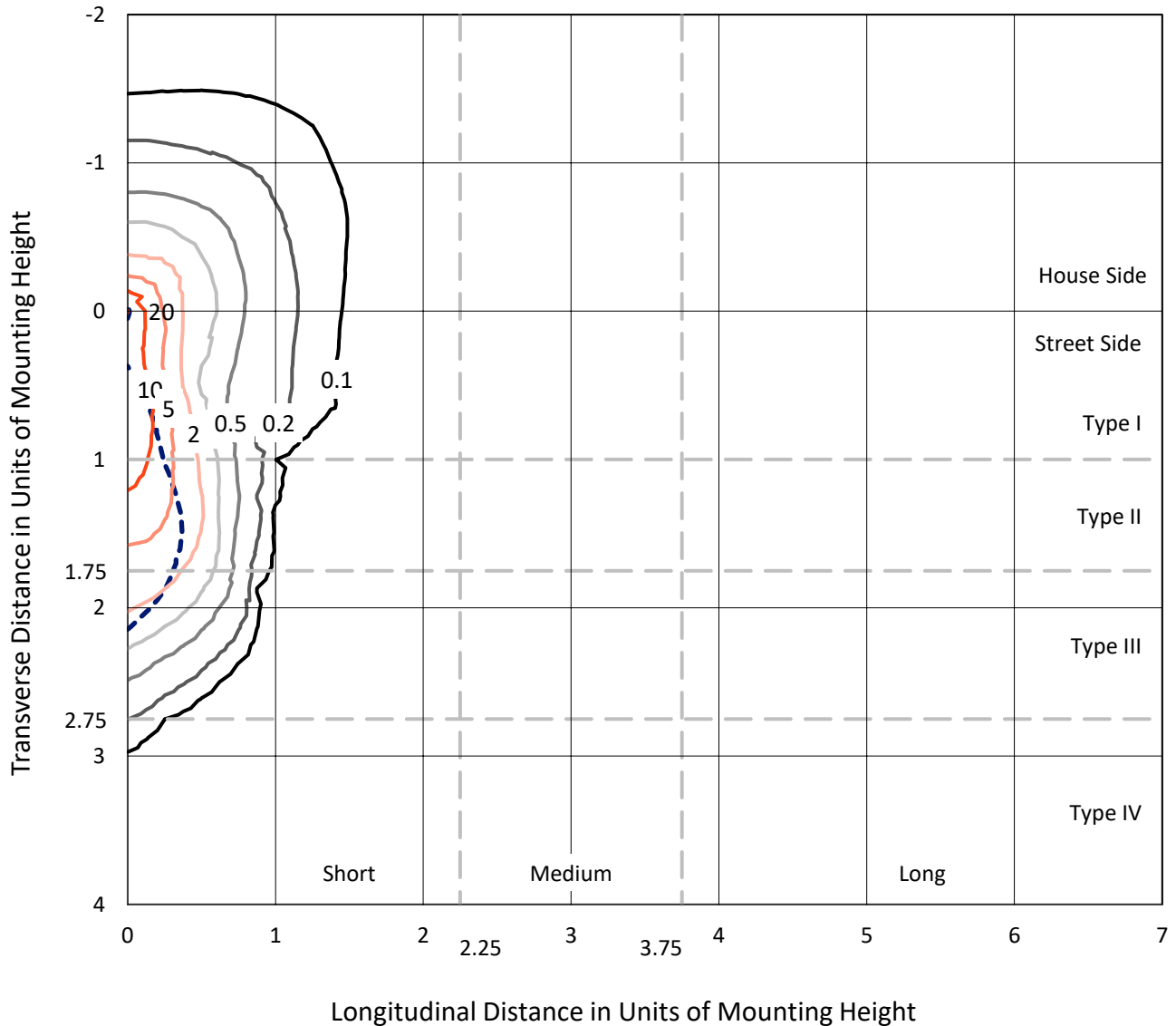




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Iso-Footcandle Lines of Horizontal Illumination

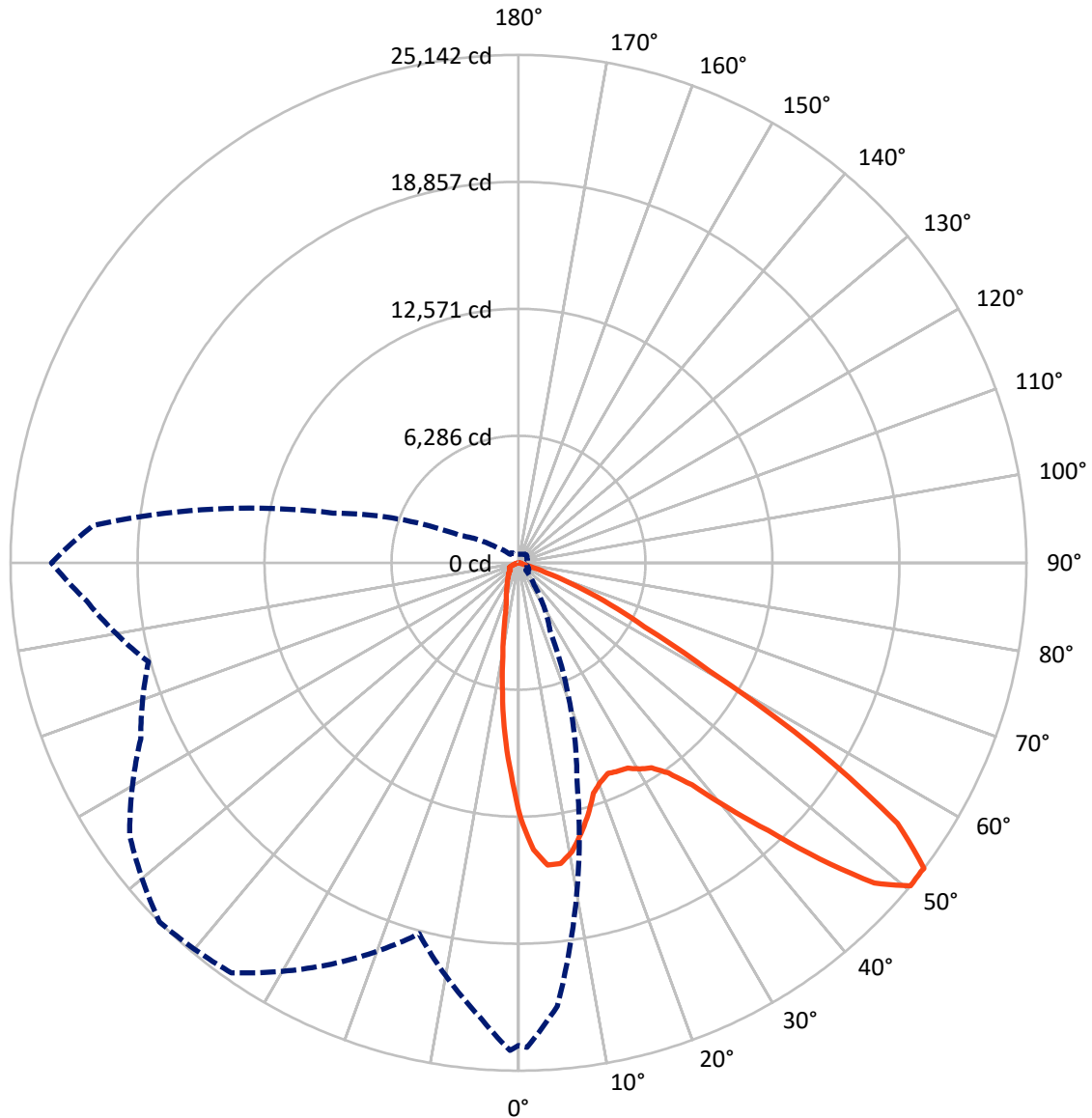
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.2 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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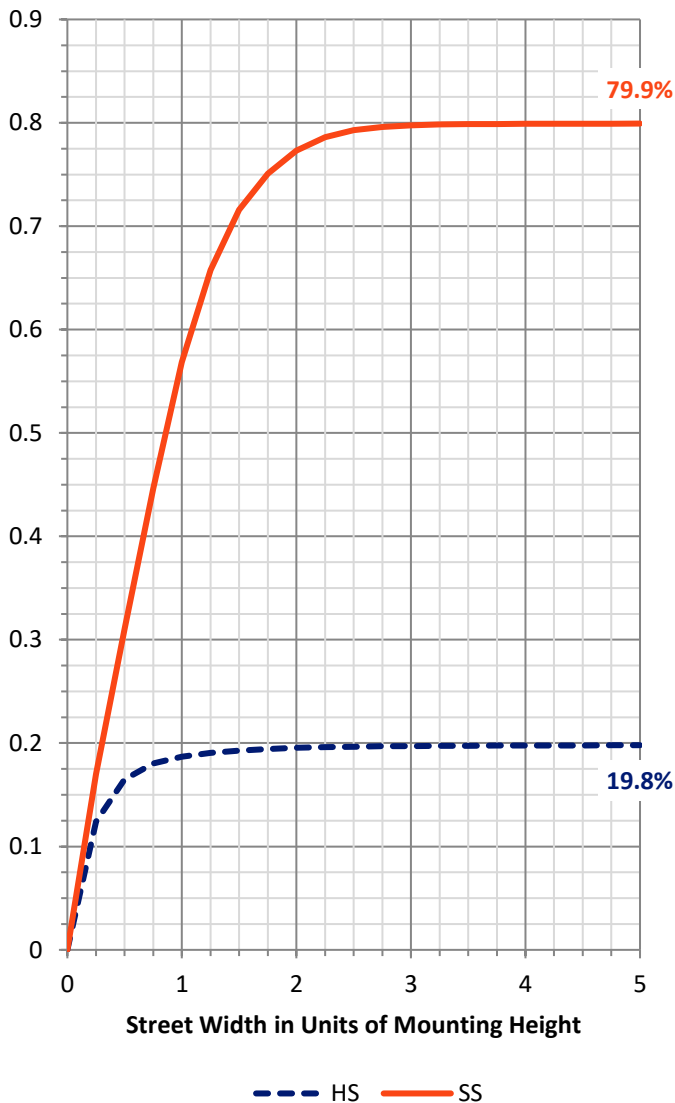
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4995.5	0.0	4995.5
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	19944.5	0.0	19944.5
	% Fixture	80.0	0.0	80.0
Total	Lumens	24940.0	0.0	24940.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.9	3.7
10°-20°	1832.2	7.3
20°-30°	2752.5	11.0
30°-40°	4131.5	16.6
40°-50°	5806.5	23.3
50°-60°	6263.3	25.1
60°-70°	2908.0	11.7
70°-80°	273.6	1.1
80°-90°	50.4	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°	24940.0	100.0
0°-180°	24940.0	100.0



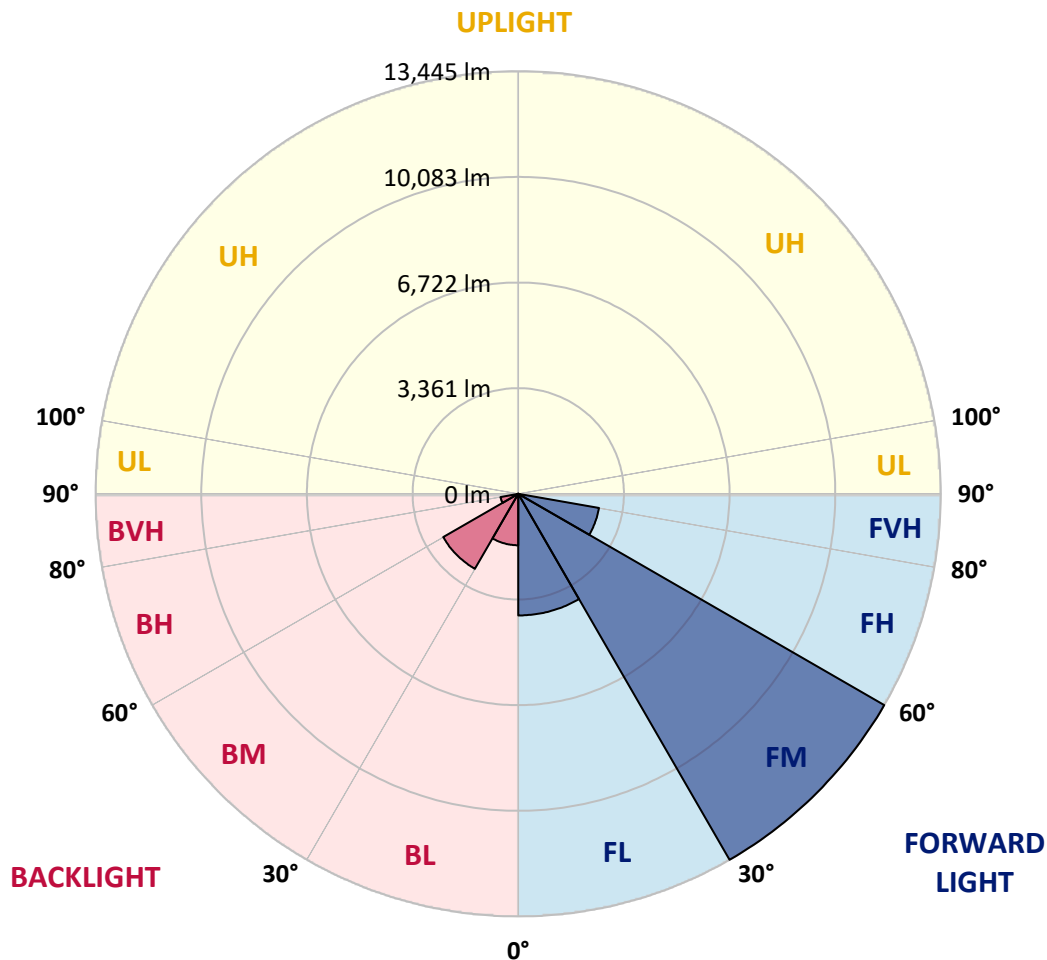
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3869.2	15.5			
FM (30°-60°)	13444.5	53.9			
FH (60°-80°)	2608.0	10.5			G2/5000
FVH (80°-90°)	22.7	0.1			G1/100
BL (0°-30°)	1637.4	6.6	B3/2500		
BM (30°-60°)	2756.8	11.1	B3/5000		
BH (60°-80°)	573.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	27.7	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°	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7
2.5°	13147.5	12944.6	12687.3	12474.5	12157.8	11519.5	11346.3	11138.5	10965.3	10732.8	10406.2
5°	11955.0	11890.6	11771.9	10970.3	10391.3	9619.4	8986.0	8718.8	8367.5	8080.5	7872.7
7.5°	11044.5	10787.2	10411.1	9604.6	8679.2	7852.9	7150.2	6739.5	6274.4	6116.0	5834.0
10°	10069.7	10129.1	9574.9	8441.7	7323.4	6655.4	6219.9	5824.1	5403.5	5126.4	4725.6
12.5°	9757.9	9565.0	9139.4	7739.1	6784.0	6160.6	5631.1	5141.2	4695.9	4250.5	3864.6
15°	9960.8	9663.9	9070.1	7590.6	6368.4	5591.5	4928.5	4265.4	3854.7	3285.6	2884.8
17.5°	10688.2	10450.7	9654.0	7749.0	6155.6	5047.2	4062.5	3379.7	2751.2	2236.6	2033.7
20°	11900.5	11564.1	10564.5	7951.8	5838.9	4389.1	3295.5	2454.3	1860.5	1642.8	1529.0
22.5°	13088.1	12905.0	11643.2	8342.7	5556.9	3805.2	2474.1	1652.7	1390.5	1350.9	1276.6
25°	15349.5	14800.2	13291.0	9050.3	5339.2	3255.9	1865.5	1331.1	1177.7	1148.0	1157.9
27.5°	16695.4	16235.2	14815.1	9520.4	5096.7	2835.3	1578.5	1222.2	1118.3	1054.0	1029.2
30°	17986.9	17452.5	15572.1	9797.5	4577.1	2390.0	1400.4	1172.7	1148.0	1054.0	1024.3
32.5°	18981.5	18457.0	16665.7	10213.2	4364.4	2103.0	1152.9	915.4	851.1	841.2	930.3
35°	20505.5	19946.4	17600.9	10440.8	4201.1	1954.6	999.5	816.5	742.2	712.5	717.5
37.5°	21925.7	21544.7	18466.9	10529.9	4027.9	1910.0	895.6	732.3	668.0	648.2	643.3
40°	23113.3	22262.2	19288.3	10623.9	3953.7	1825.9	831.3	668.0	623.5	593.8	593.8
42.5°	23657.6	22791.6	20208.6	10569.5	3933.9	1692.3	831.3	613.6	578.9	549.3	544.3
45°	23538.8	23187.5	20619.4	10544.7	3933.9	1558.7	757.1	598.7	549.3	509.7	499.8
47.5°	23845.6	23385.4	21134.0	10648.6	3854.7	1464.7	638.3	628.4	519.6	470.1	460.2
50°	23900.0	23989.1	22029.6	11188.0	3681.5	1345.9	499.8	618.5	499.8	425.5	415.7
52°	24256.3	23702.1	22301.8	11475.0	3498.4	1256.9	420.6	529.5	480.0	395.9	386.0
52.5°	23766.4	24127.7	22366.1	11578.9	3518.2	1197.5	405.8	519.6	470.1	395.9	371.1
55°	23217.2	23563.6	22103.8	11801.6	3226.3	940.2	316.7	376.1	425.5	346.4	331.5
57.5°	20179.0	20530.3	19209.1	10807.0	2627.5	663.1	262.3	282.1	376.1	321.6	306.8
60°	17937.4	17685.0	16121.4	9015.7	1865.5	371.1	207.8	217.7	410.7	296.9	291.9
62.5°	16393.5	15854.2	13474.1	6962.2	1138.1	247.4	163.3	168.2	316.7	277.1	277.1
65°	12128.2	11524.5	8951.4	4211.0	559.2	173.2	123.7	133.6	197.9	237.5	237.5
67.5°	6922.6	6690.0	4324.8	1900.1	232.6	108.9	94.0	103.9	153.4	193.0	183.1
70°	3181.7	2855.1	1662.6	400.8	108.9	74.2	74.2	84.1	123.7	143.5	133.6
72.5°	930.3	880.8	405.8	64.3	44.5	44.5	49.5	64.3	94.0	108.9	99.0
75°	69.3	44.5	29.7	19.8	19.8	29.7	39.6	64.3	94.0	103.9	84.1
77.5°	4.9	9.9	4.9	4.9	14.8	29.7	44.5	79.2	123.7	128.7	94.0
80°	4.9	4.9	0.0	4.9	14.8	29.7	49.5	89.1	138.6	148.4	79.2
82.5°	0.0	0.0	0.0	4.9	19.8	39.6	59.4	94.0	128.7	158.3	84.1
85°	0.0	0.0	0.0	4.9	29.7	54.4	69.3	24.7	14.8	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°	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7
2.5°	10638.7	10510.1	10460.6	10505.1	10490.3	10475.4	10747.6	10688.2	10678.3	10767.4	10747.6
5°	7986.5	7758.9	8382.3	8130.0	8392.2	8550.6	8580.3	8595.1	8778.2	8585.2	8837.6
7.5°	5690.5	5749.9	5744.9	5913.2	6215.0	6482.2	6640.5	6516.8	6506.9	6482.2	6373.3
10°	4547.4	4443.5	4423.7	4384.1	4478.2	4705.8	4898.8	4745.4	4636.5	4785.0	4740.4
12.5°	3716.1	3572.6	3493.5	3335.1	3340.1	3493.5	3493.5	3493.5	3602.3	3686.4	3750.8
15°	2850.2	2731.4	2731.4	2573.1	2538.5	2543.4	2622.6	2632.5	2805.7	2855.1	2879.9
17.5°	1994.1	1929.8	2004.0	2068.4	2028.8	2038.7	2068.4	2078.3	2103.0	2083.2	2132.7
20°	1534.0	1524.1	1543.9	1657.7	1741.8	1791.3	1756.6	1707.1	1677.5	1608.2	1608.2
22.5°	1301.4	1321.2	1355.8	1449.8	1558.7	1588.4	1548.8	1435.0	1345.9	1336.0	1341.0
25°	1157.9	1177.7	1232.1	1291.5	1350.9	1400.4	1360.8	1276.6	1227.2	1182.6	1182.6
27.5°	1068.8	1078.7	1108.4	1152.9	1202.4	1242.0	1227.2	1182.6	1128.2	1108.4	1063.9
30°	999.5	1014.4	1049.0	1058.9	1103.5	1123.3	1098.5	1088.6	1054.0	1029.2	1014.4
32.5°	964.9	960.0	984.7	994.6	999.5	1014.4	984.7	999.5	994.6	955.0	940.2
35°	727.4	767.0	831.3	885.7	900.6	920.4	915.4	895.6	841.2	796.7	742.2
37.5°	653.2	677.9	712.5	757.1	816.5	841.2	831.3	781.8	717.5	687.8	677.9
40°	603.7	618.5	648.2	677.9	737.3	781.8	747.2	702.7	653.2	628.4	613.6
42.5°	559.2	564.1	578.9	608.6	653.2	722.4	663.1	603.7	583.9	569.0	559.2
45°	509.7	509.7	529.5	544.3	593.8	658.1	598.7	544.3	534.4	524.5	519.6
47.5°	470.1	475.0	484.9	504.7	544.3	588.8	549.3	504.7	480.0	475.0	465.1
50°	420.6	425.5	445.3	465.1	514.6	539.4	514.6	465.1	440.4	425.5	425.5
52°	381.0	395.9	415.7	455.2	489.9	529.5	499.8	445.3	415.7	400.8	390.9
52.5°	376.1	386.0	405.8	450.3	489.9	524.5	494.8	440.4	405.8	395.9	386.0
55°	336.5	351.3	386.0	440.4	484.9	524.5	484.9	435.4	386.0	361.2	351.3
57.5°	321.6	331.5	376.1	445.3	480.0	524.5	484.9	435.4	386.0	341.4	331.5
60°	306.8	326.6	376.1	430.5	475.0	529.5	489.9	430.5	376.1	321.6	321.6
62.5°	291.9	306.8	371.1	420.6	455.2	509.7	470.1	420.6	361.2	306.8	301.8
65°	252.4	277.1	326.6	351.3	390.9	440.4	400.8	366.2	316.7	272.2	267.2
67.5°	193.0	202.9	242.5	272.2	296.9	341.4	321.6	277.1	242.5	207.8	207.8
70°	133.6	143.5	173.2	188.0	212.8	237.5	222.7	188.0	163.3	143.5	138.6
72.5°	94.0	99.0	108.9	118.8	128.7	138.6	133.6	108.9	94.0	89.1	84.1
75°	74.2	84.1	89.1	84.1	79.2	74.2	74.2	64.3	54.4	49.5	49.5
77.5°	74.2	79.2	74.2	64.3	54.4	49.5	44.5	39.6	29.7	24.7	29.7
80°	64.3	64.3	64.3	54.4	49.5	44.5	39.6	34.6	29.7	24.7	24.7
82.5°	69.3	69.3	64.3	54.4	54.4	44.5	44.5	39.6	34.6	24.7	24.7
85°	0.0	0.0	0.0	9.9	24.7	44.5	44.5	39.6	34.6	29.7	29.7
87.5°	0.0	0.0	0.0	0.0	4.9	9.9	19.8	24.7	29.7	29.7	29.7
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°	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7
2.5°	10925.7	11113.8	11470.0	11826.3	12044.0	12301.3	12766.5	13013.9	13335.5	13493.9	13805.6
5°	8802.9	9248.3	9406.6	9812.4	10247.8	10683.3	11376.0	12138.1	12771.4	13206.9	13771.0
7.5°	6422.8	6526.7	7140.3	7412.5	8125.0	8916.7	9861.9	10821.8	11623.4	12336.0	12766.5
10°	4814.6	5195.7	5581.6	6101.2	6675.2	7491.6	8397.2	9456.1	10495.2	11207.8	11752.1
12.5°	3869.5	4171.4	4686.0	5245.1	5952.7	6492.1	7402.6	8451.6	9797.5	10495.2	11212.7
15°	2929.4	3315.3	3899.2	4478.2	5225.4	5794.4	6714.8	8036.0	9767.8	10727.8	11346.3
17.5°	2172.3	2434.5	2959.1	3607.3	4369.3	5170.9	6412.9	7991.4	10099.4	11242.4	11880.7
20°	1662.6	1751.7	2083.2	2662.2	3488.5	4537.5	5923.1	8184.4	11079.1	12494.3	13142.5
22.5°	1345.9	1385.5	1514.2	1915.0	2716.6	3983.3	5690.5	8318.0	12182.6	13993.6	14859.6
25°	1172.7	1162.8	1247.0	1420.1	2122.8	3463.8	5393.6	8822.7	13533.5	15755.2	16532.1
27.5°	1068.8	1068.8	1108.4	1232.1	1761.6	3127.3	5205.6	9183.9	14894.2	17304.0	17724.6
30°	1014.4	1024.3	1138.1	1177.7	1464.7	2726.5	4893.8	9550.1	16195.6	18293.7	18872.6
32.5°	940.2	900.6	875.8	974.8	1232.1	2365.3	4582.1	9703.5	17249.6	19506.0	20000.8
35°	722.4	702.7	732.3	806.6	1058.9	2058.5	4235.7	9876.7	18461.9	20911.3	21010.3
37.5°	653.2	648.2	668.0	732.3	890.7	1791.3	3988.3	9832.2	19387.2	22074.1	21806.9
40°	603.7	603.7	618.5	673.0	796.7	1603.2	3731.0	9792.6	20282.9	23380.5	22598.7
42.5°	564.1	564.1	588.8	623.5	757.1	1479.5	3538.0	9738.2	21035.0	24182.1	23063.8
45°	509.7	524.5	564.1	598.7	767.0	1395.4	3394.5	9530.3	21292.3	24172.2	22841.1
47.5°	470.1	489.9	529.5	578.9	692.8	1370.7	3295.5	9347.2	21203.2	23578.4	22143.4
50°	425.5	450.3	504.7	588.8	588.8	1321.2	3191.6	9510.5	21138.9	23118.2	21475.4
52°	395.9	415.7	484.9	574.0	514.6	1217.3	3127.3	9827.2	21401.2	23058.8	21178.5
52.5°	390.9	405.8	470.1	564.1	489.9	1197.5	3082.8	9901.4	21485.3	22910.4	21381.4
55°	346.4	366.2	430.5	440.4	400.8	984.7	2939.3	10069.7	21069.6	22618.4	21188.4
57.5°	326.6	336.5	381.0	361.2	346.4	742.2	2528.6	9807.4	18714.3	20089.9	19713.8
60°	301.8	311.7	356.3	282.1	291.9	519.6	1900.1	8515.9	15027.8	16739.9	17417.8
62.5°	291.9	287.0	336.5	227.6	247.4	376.1	1341.0	6922.6	11578.9	13780.9	14953.6
65°	257.3	252.4	242.5	193.0	212.8	291.9	801.6	4517.8	8159.7	10426.0	11069.2
67.5°	197.9	207.8	178.1	153.4	178.1	227.6	445.3	2023.8	4280.2	6254.6	6774.2
70°	138.6	148.4	143.5	133.6	158.3	188.0	257.3	692.8	1771.5	3285.6	3622.1
72.5°	84.1	103.9	108.9	113.8	138.6	163.3	183.1	222.7	470.1	1162.8	1444.9
75°	49.5	69.3	84.1	99.0	113.8	138.6	153.4	158.3	163.3	217.7	351.3
77.5°	34.6	49.5	74.2	94.0	113.8	138.6	163.3	173.2	163.3	153.4	163.3
80°	29.7	49.5	69.3	89.1	118.8	143.5	163.3	163.3	158.3	138.6	148.4
82.5°	29.7	49.5	74.2	94.0	113.8	138.6	158.3	163.3	148.4	138.6	143.5
85°	34.6	54.4	79.2	99.0	123.7	113.8	103.9	84.1	79.2	64.3	69.3
87.5°	34.6	49.5	49.5	54.4	59.4	59.4	59.4	54.4	44.5	39.6	39.6
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: P533255

CATALOG NUMBER: GLAN-SA8C-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7	12647.7
2.5°	13820.5	14216.3	14201.5	14211.4	14152.0	13751.2	13558.2	13068.3	13206.9	13147.5
5°	14349.9	14740.8	15077.3	15037.7	14582.5	14038.2	13231.6	12469.6	12261.8	11955.0
7.5°	13820.5	14760.6	15072.4	15027.8	14354.9	13657.2	12370.6	11608.6	11247.4	11044.5
10°	12979.3	14067.9	14453.8	14533.0	14077.8	13018.8	11836.2	10614.0	10421.0	10069.7
12.5°	12499.3	13291.0	13528.5	13741.3	13582.9	12791.2	11430.5	10257.7	9990.5	9757.9
15°	12108.4	12578.4	12677.4	12919.9	13013.9	12588.3	11643.2	10643.7	9985.6	9960.8
17.5°	12469.6	12276.6	11915.4	11989.6	12286.5	12593.3	12192.5	11405.7	10767.4	10688.2
20°	13068.3	12217.2	11400.8	11583.9	11831.3	12771.4	13023.8	12469.6	12103.4	11900.5
22.5°	13756.1	12321.1	11237.5	11326.5	11796.6	13172.2	14369.7	14062.9	13380.1	13088.1
25°	15027.8	12608.1	11366.1	11425.5	12068.8	13731.4	15587.0	15814.6	15408.8	15349.5
27.5°	16269.8	13350.4	11648.2	11514.6	12207.3	14275.7	16324.3	17546.5	16833.9	16695.4
30°	16903.2	13954.1	12068.8	11841.2	12781.3	14607.2	16769.6	18674.7	18051.2	17986.9
32.5°	17873.1	14503.3	12395.4	12103.4	13103.0	15017.9	17600.9	19906.8	19303.1	18981.5
35°	18278.8	15102.1	13112.9	12771.4	14023.3	15591.9	18026.5	21005.3	20817.3	20505.5
37.5°	19060.7	15745.3	13959.0	13939.2	15136.7	16339.1	18793.4	22499.7	22465.0	21925.7
40°	19125.0	16448.0	15295.0	15918.5	16858.7	17640.5	19466.4	22915.3	23479.4	23113.3
42.5°	19223.9	17680.1	17605.9	18120.5	18927.1	18758.8	19491.2	23014.3	23875.3	23657.6
45°	19268.5	18912.2	19956.3	20906.4	21242.8	20223.5	19258.6	22826.3	24083.1	23538.8
47.5°	18912.2	19971.1	21856.4	23692.2	23791.2	21124.1	19159.6	22633.3	24206.8	23845.6
50°	18961.7	20634.2	23499.2	25142.1	24780.8	21920.7	19006.2	22514.5	24142.5	23900.0
52°	18842.9	20649.0	23731.8	25112.4	24860.0	21480.3	18744.0	22059.3	24083.1	24256.3
52.5°	18976.5	20560.0	23489.3	25132.2	24805.6	21698.1	18709.3	22311.7	24117.8	23766.4
55°	18516.3	19501.0	22069.2	22766.9	22717.4	19694.0	17645.5	21475.4	23212.2	23217.2
57.5°	16735.0	16903.2	17309.0	17294.1	17066.5	15483.1	15092.2	19748.5	20693.6	20179.0
60°	14745.8	12375.6	11282.0	10836.7	10584.3	10327.0	13350.4	18066.1	18155.1	17937.4
62.5°	12741.7	8580.3	7125.5	7001.8	7061.2	8001.3	12905.0	17398.0	16863.6	16393.5
65°	10282.5	6254.6	5175.9	5012.6	5591.5	6605.9	10445.8	13340.5	12519.1	12128.2
67.5°	6457.5	4562.3	3498.4	3191.6	3889.3	4547.4	6863.2	8382.3	7462.0	6922.6
70°	3829.9	2548.3	1583.4	1420.1	1598.3	2424.6	3844.8	4181.3	3458.8	3181.7
72.5°	1509.2	935.2	440.4	376.1	390.9	851.1	1415.2	1380.6	1044.1	930.3
75°	405.8	282.1	153.4	123.7	103.9	158.3	227.6	148.4	54.4	69.3
77.5°	188.0	168.2	133.6	103.9	79.2	59.4	29.7	9.9	9.9	4.9
80°	163.3	143.5	123.7	103.9	79.2	49.5	24.7	4.9	4.9	4.9
82.5°	153.4	133.6	113.8	94.0	74.2	49.5	24.7	4.9	0.0	0.0
85°	64.3	84.1	94.0	89.1	79.2	49.5	24.7	4.9	0.0	0.0
87.5°	34.6	29.7	24.7	19.8	14.8	9.9	9.9	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)