

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: P531149

Luminaire Tested: **GLAN-SA6B-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531149
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-SA6B-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 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: 14823 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 243
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

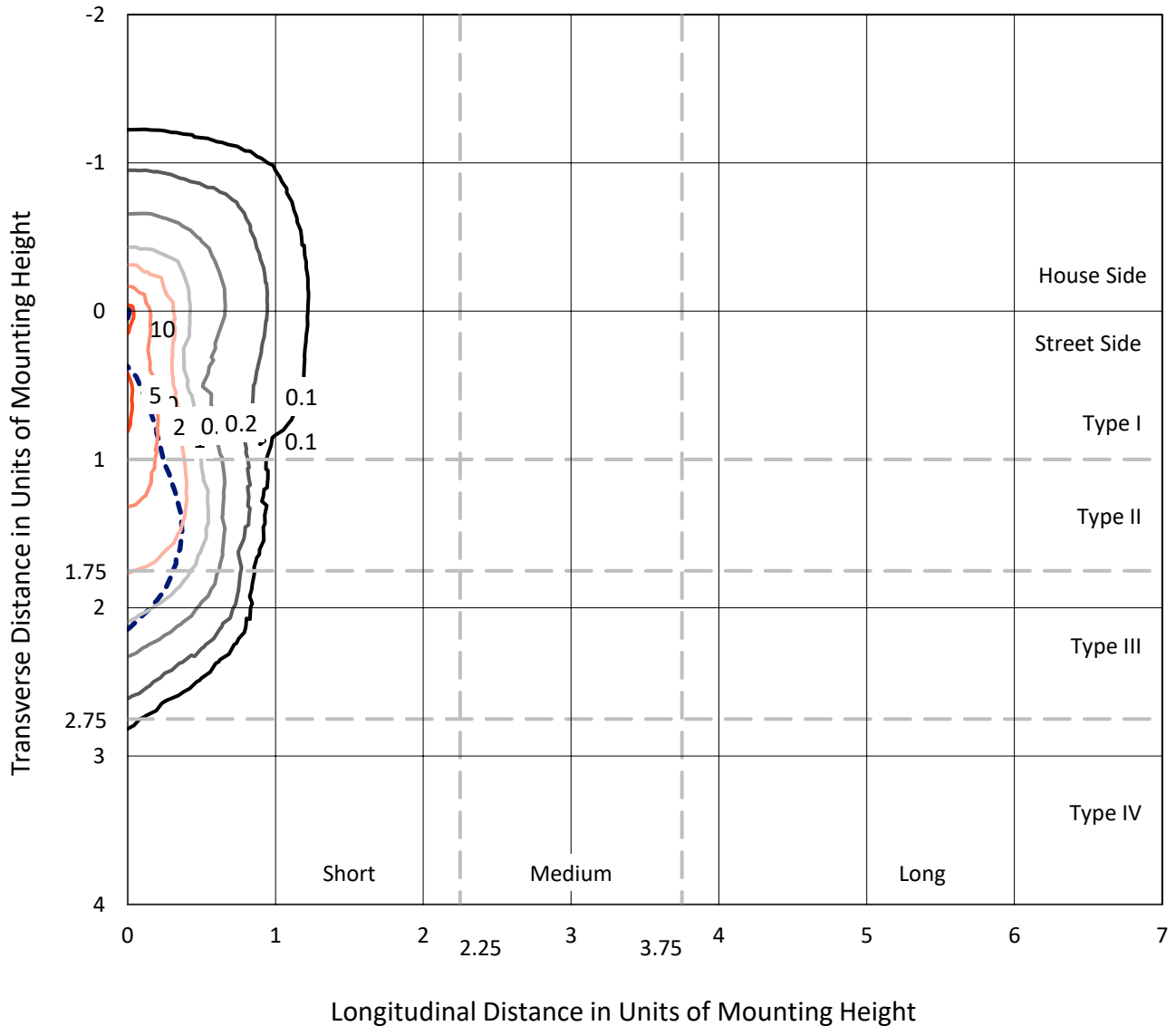




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Iso-Footcandle Lines of Horizontal Illumination

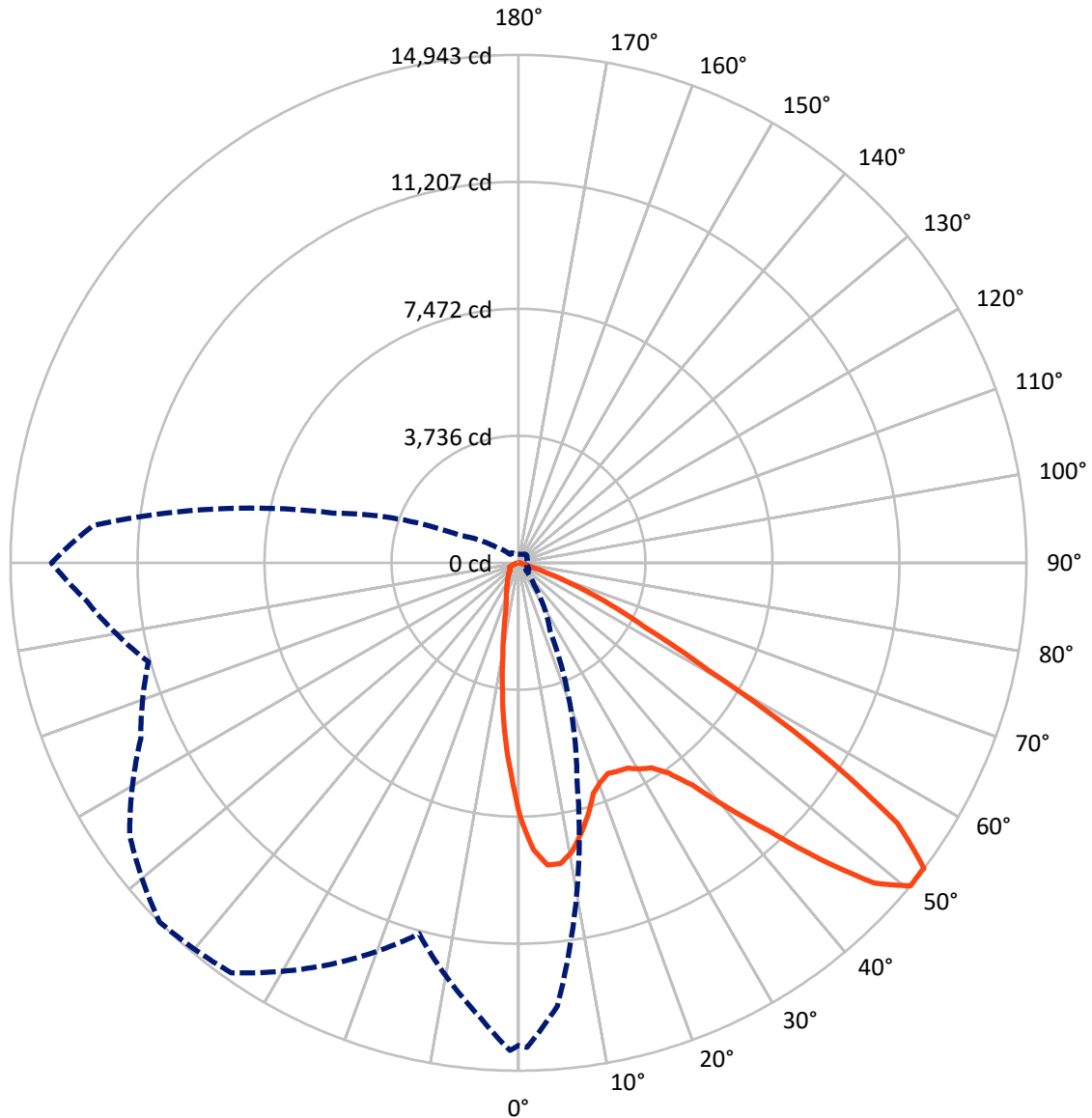
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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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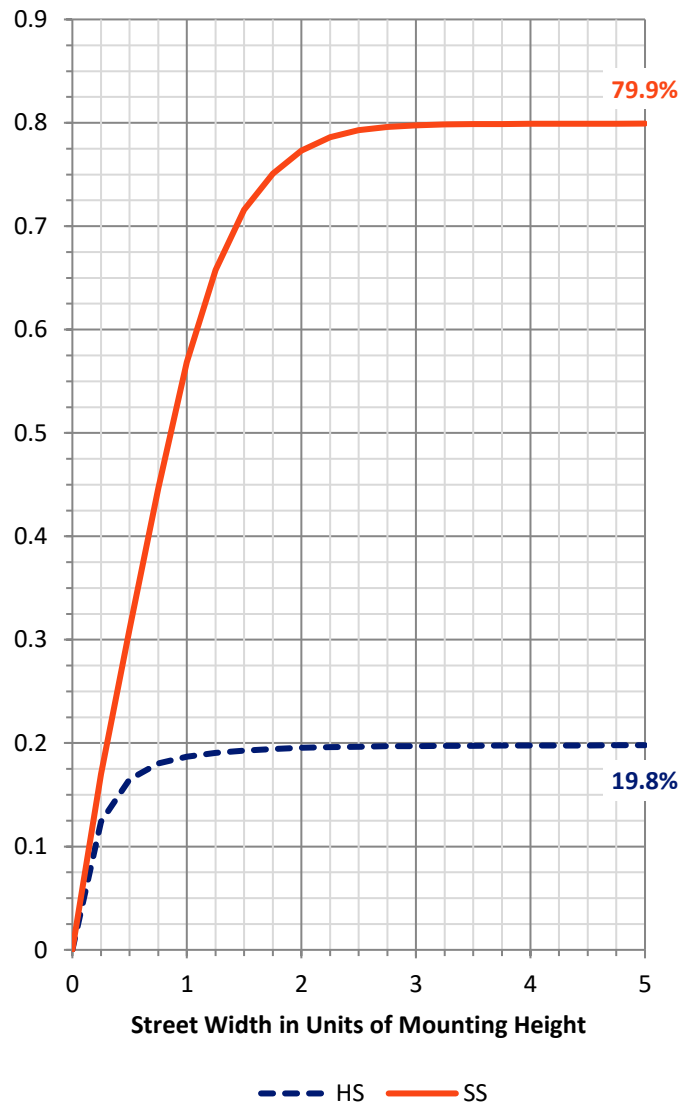
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2969.0	0.0	2969.0
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	11853.9	0.0	11853.9
	% Fixture	80.0	0.0	80.0
Total	Lumens	14823.0	0.0	14823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.9	3.7
10°-20°	1089.0	7.3
20°-30°	1636.0	11.0
30°-40°	2455.5	16.6
40°-50°	3451.1	23.3
50°-60°	3722.6	25.1
60°-70°	1728.4	11.7
70°-80°	162.6	1.1
80°-90°	30.0	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°	14823.0	100.0
0°-180°	14823.0	100.0

Coefficient of Utilization



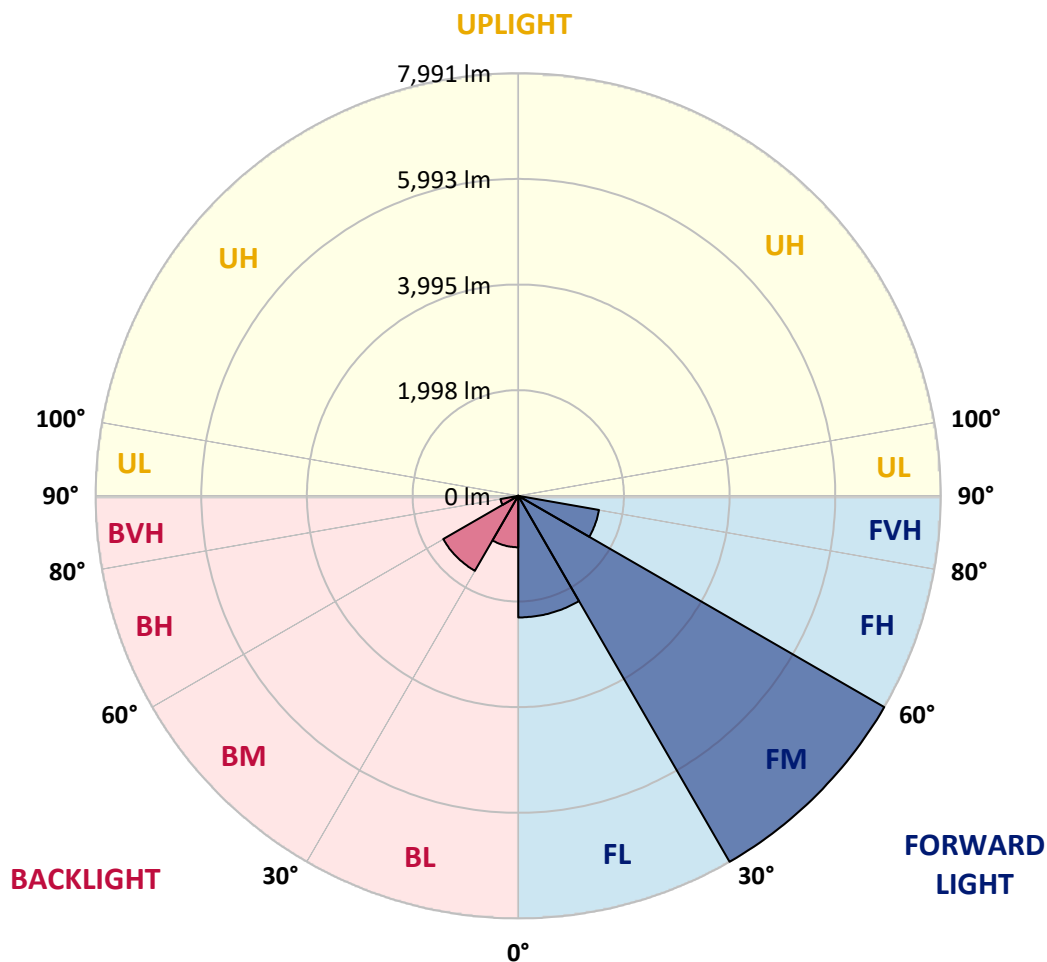
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2299.7	15.5			
FM	(30°-60°)	7990.7	53.9			
FH	(60°-80°)	1550.1	10.5			G1/1800
FVH	(80°-90°)	13.5	0.1			G1/100
BL	(0°-30°)	973.2	6.6	B2/1000		
BM	(30°-60°)	1638.5	11.1	B2/2500		
BH	(60°-80°)	340.9	2.3	B1/500		G1/500
BVH	(80°-90°)	16.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1
2.5°	7814.2	7693.6	7540.7	7414.2	7226.0	6846.6	6743.7	6620.1	6517.2	6379.0	6184.9
5°	7105.4	7067.2	6996.6	6520.1	6176.0	5717.3	5340.8	5182.0	4973.2	4802.6	4679.1
7.5°	6564.3	6411.3	6187.8	5708.4	5158.5	4667.3	4249.7	4005.6	3729.2	3635.0	3467.4
10°	5984.9	6020.2	5690.8	5017.3	4352.6	3955.6	3696.8	3461.5	3211.5	3046.8	2808.6
12.5°	5799.6	5684.9	5432.0	4599.7	4032.1	3661.5	3346.8	3055.7	2791.0	2526.3	2296.9
15°	5920.2	5743.7	5390.8	4511.5	3785.0	3323.3	2929.2	2535.1	2291.0	1952.8	1714.6
17.5°	6352.5	6211.3	5737.8	4605.6	3658.6	2999.8	2414.5	2008.7	1635.2	1329.3	1208.7
20°	7073.0	6873.1	6279.0	4726.1	3470.3	2608.6	1958.7	1458.7	1105.8	976.4	908.8
22.5°	7778.9	7670.1	6920.1	4958.5	3302.7	2261.6	1470.5	982.3	826.4	802.9	758.8
25°	9122.9	8796.5	7899.5	5379.0	3173.3	1935.2	1108.7	791.1	700.0	682.3	688.2
27.5°	9922.8	9649.3	8805.3	5658.4	3029.2	1685.2	938.2	726.4	664.7	626.4	611.7
30°	10690.4	10372.8	9255.2	5823.1	2720.4	1420.5	832.3	697.0	682.3	626.4	608.8
32.5°	11281.6	10969.8	9905.2	6070.2	2593.9	1249.9	685.2	544.1	505.8	500.0	552.9
35°	12187.4	11855.1	10461.0	6205.5	2496.9	1161.7	594.1	485.3	441.1	423.5	426.4
37.5°	13031.5	12805.0	10975.7	6258.4	2394.0	1135.2	532.3	435.3	397.0	385.3	382.3
40°	13737.3	13231.4	11463.9	6314.3	2349.8	1085.2	494.1	397.0	370.6	352.9	352.9
42.5°	14060.8	13546.1	12010.9	6281.9	2338.1	1005.8	494.1	364.7	344.1	326.4	323.5
45°	13990.2	13781.4	12255.0	6267.2	2338.1	926.4	450.0	355.9	326.4	302.9	297.0
47.5°	14172.6	13899.0	12560.9	6329.0	2291.0	870.5	379.4	373.5	308.8	279.4	273.5
50°	14204.9	14257.8	13093.2	6649.5	2188.1	799.9	297.0	367.6	297.0	252.9	247.0
52°	14416.7	14087.3	13255.0	6820.1	2079.3	747.0	250.0	314.7	285.3	235.3	229.4
52.5°	14125.5	14340.2	13293.2	6881.9	2091.0	711.7	241.2	308.8	279.4	235.3	220.6
55°	13799.0	14004.9	13137.3	7014.2	1917.5	558.8	188.2	223.5	252.9	205.9	197.0
57.5°	11993.3	12202.1	11416.9	6423.1	1561.7	394.1	155.9	167.6	223.5	191.2	182.3
60°	10661.0	10511.0	9581.7	5358.5	1108.7	220.6	123.5	129.4	244.1	176.5	173.5
62.5°	9743.4	9422.9	8008.3	4138.0	676.4	147.0	97.1	100.0	188.2	164.7	164.7
65°	7208.3	6849.5	5320.2	2502.8	332.3	102.9	73.5	79.4	117.6	141.2	141.2
67.5°	4114.4	3976.2	2570.4	1129.3	138.2	64.7	55.9	61.8	91.2	114.7	108.8
70°	1891.0	1696.9	988.2	238.2	64.7	44.1	44.1	50.0	73.5	85.3	79.4
72.5°	552.9	523.5	241.2	38.2	26.5	26.5	29.4	38.2	55.9	64.7	58.8
75°	41.2	26.5	17.6	11.8	11.8	17.6	23.5	38.2	55.9	61.8	50.0
77.5°	2.9	5.9	2.9	2.9	8.8	17.6	26.5	47.1	73.5	76.5	55.9
80°	2.9	2.9	0.0	2.9	8.8	17.6	29.4	52.9	82.3	88.2	47.1
82.5°	0.0	0.0	0.0	2.9	11.8	23.5	35.3	55.9	76.5	94.1	50.0
85°	0.0	0.0	0.0	2.9	17.6	32.4	41.2	14.7	8.8	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°	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1
2.5°	6323.1	6246.6	6217.2	6243.7	6234.9	6226.0	6387.8	6352.5	6346.6	6399.6	6387.8
5°	4746.7	4611.4	4982.0	4832.0	4987.9	5082.0	5099.6	5108.5	5217.3	5102.6	5252.6
7.5°	3382.1	3417.4	3414.5	3514.5	3693.9	3852.7	3946.8	3873.3	3867.4	3852.7	3788.0
10°	2702.8	2641.0	2629.2	2605.7	2661.6	2796.9	2911.6	2820.4	2755.7	2843.9	2817.5
12.5°	2208.7	2123.4	2076.3	1982.2	1985.2	2076.3	2076.3	2076.3	2141.0	2191.0	2229.3
15°	1694.0	1623.4	1623.4	1529.3	1508.7	1511.7	1558.7	1564.6	1667.5	1696.9	1711.6
17.5°	1185.2	1147.0	1191.1	1229.3	1205.8	1211.7	1229.3	1235.2	1249.9	1238.2	1267.6
20°	911.7	905.8	917.6	985.2	1035.2	1064.6	1044.0	1014.6	997.0	955.8	955.8
22.5°	773.5	785.2	805.8	861.7	926.4	944.1	920.5	852.9	799.9	794.1	797.0
25°	688.2	700.0	732.3	767.6	802.9	832.3	808.8	758.8	729.4	702.9	702.9
27.5°	635.3	641.1	658.8	685.2	714.7	738.2	729.4	702.9	670.5	658.8	632.3
30°	594.1	602.9	623.5	629.4	655.8	667.6	652.9	647.0	626.4	611.7	602.9
32.5°	573.5	570.5	585.3	591.1	594.1	602.9	585.3	594.1	591.1	567.6	558.8
35°	432.3	455.9	494.1	526.4	535.3	547.0	544.1	532.3	500.0	473.5	441.1
37.5°	388.2	402.9	423.5	450.0	485.3	500.0	494.1	464.7	426.4	408.8	402.9
40°	358.8	367.6	385.3	402.9	438.2	464.7	444.1	417.6	388.2	373.5	364.7
42.5°	332.3	335.3	344.1	361.7	388.2	429.4	394.1	358.8	347.0	338.2	332.3
45°	302.9	302.9	314.7	323.5	352.9	391.1	355.9	323.5	317.6	311.7	308.8
47.5°	279.4	282.3	288.2	300.0	323.5	350.0	326.4	300.0	285.3	282.3	276.5
50°	250.0	252.9	264.7	276.5	305.9	320.6	305.9	276.5	261.7	252.9	252.9
52°	226.5	235.3	247.0	270.6	291.2	314.7	297.0	264.7	247.0	238.2	232.3
52.5°	223.5	229.4	241.2	267.6	291.2	311.7	294.1	261.7	241.2	235.3	229.4
55°	200.0	208.8	229.4	261.7	288.2	311.7	288.2	258.8	229.4	214.7	208.8
57.5°	191.2	197.0	223.5	264.7	285.3	311.7	288.2	258.8	229.4	202.9	197.0
60°	182.3	194.1	223.5	255.9	282.3	314.7	291.2	255.9	223.5	191.2	191.2
62.5°	173.5	182.3	220.6	250.0	270.6	302.9	279.4	250.0	214.7	182.3	179.4
65°	150.0	164.7	194.1	208.8	232.3	261.7	238.2	217.6	188.2	161.8	158.8
67.5°	114.7	120.6	144.1	161.8	176.5	202.9	191.2	164.7	144.1	123.5	123.5
70°	79.4	85.3	102.9	111.8	126.5	141.2	132.3	111.8	97.1	85.3	82.3
72.5°	55.9	58.8	64.7	70.6	76.5	82.3	79.4	64.7	55.9	52.9	50.0
75°	44.1	50.0	52.9	50.0	47.1	44.1	44.1	38.2	32.4	29.4	29.4
77.5°	44.1	47.1	44.1	38.2	32.4	29.4	26.5	23.5	17.6	14.7	17.6
80°	38.2	38.2	38.2	32.4	29.4	26.5	23.5	20.6	17.6	14.7	14.7
82.5°	41.2	41.2	38.2	32.4	32.4	26.5	26.5	23.5	20.6	14.7	14.7
85°	0.0	0.0	0.0	5.9	14.7	26.5	26.5	23.5	20.6	17.6	17.6
87.5°	0.0	0.0	0.0	0.0	2.9	5.9	11.8	14.7	17.6	17.6	17.6
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°	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1
2.5°	6493.7	6605.4	6817.2	7028.9	7158.3	7311.3	7587.7	7734.8	7925.9	8020.0	8205.3
5°	5232.0	5496.7	5590.8	5832.0	6090.8	6349.6	6761.3	7214.2	7590.7	7849.5	8184.7
7.5°	3817.4	3879.1	4243.8	4405.6	4829.1	5299.6	5861.4	6431.9	6908.3	7331.8	7587.7
10°	2861.6	3088.0	3317.4	3626.2	3967.4	4452.6	4990.8	5620.2	6237.8	6661.3	6984.8
12.5°	2299.8	2479.2	2785.1	3117.4	3538.0	3858.6	4399.7	5023.2	5823.1	6237.8	6664.2
15°	1741.1	1970.5	2317.5	2661.6	3105.7	3443.9	3990.9	4776.1	5805.5	6376.0	6743.7
17.5°	1291.1	1447.0	1758.7	2144.0	2596.9	3073.3	3811.5	4749.7	6002.5	6681.9	7061.3
20°	988.2	1041.1	1238.2	1582.2	2073.4	2696.9	3520.3	4864.4	6584.8	7426.0	7811.2
22.5°	799.9	823.5	899.9	1138.2	1614.6	2367.5	3382.1	4943.8	7240.7	8317.1	8831.7
25°	697.0	691.1	741.1	844.1	1261.7	2058.7	3205.7	5243.8	8043.6	9364.1	9825.8
27.5°	635.3	635.3	658.8	732.3	1047.0	1858.7	3093.9	5458.4	8852.3	10284.6	10534.6
30°	602.9	608.8	676.4	700.0	870.5	1620.5	2908.6	5676.1	9625.8	10872.8	11216.9
32.5°	558.8	535.3	520.6	579.4	732.3	1405.8	2723.3	5767.2	10252.2	11593.3	11887.4
35°	429.4	417.6	435.3	479.4	629.4	1223.4	2517.5	5870.2	10972.8	12428.6	12487.4
37.5°	388.2	385.3	397.0	435.3	529.4	1064.6	2370.4	5843.7	11522.7	13119.7	12960.9
40°	358.8	358.8	367.6	400.0	473.5	952.9	2217.5	5820.2	12055.1	13896.1	13431.4
42.5°	335.3	335.3	350.0	370.6	450.0	879.4	2102.8	5787.8	12502.1	14372.5	13707.9
45°	302.9	311.7	335.3	355.9	455.9	829.4	2017.5	5664.3	12655.0	14366.7	13575.5
47.5°	279.4	291.2	314.7	344.1	411.7	814.6	1958.7	5555.5	12602.1	14013.7	13160.9
50°	252.9	267.6	300.0	350.0	350.0	785.2	1896.9	5652.6	12563.8	13740.2	12763.8
52°	235.3	247.0	288.2	341.2	305.9	723.5	1858.7	5840.8	12719.7	13704.9	12587.4
52.5°	232.3	241.2	279.4	335.3	291.2	711.7	1832.2	5884.9	12769.7	13616.7	12707.9
55°	205.9	217.6	255.9	261.7	238.2	585.3	1746.9	5984.9	12522.7	13443.2	12593.3
57.5°	194.1	200.0	226.5	214.7	205.9	441.1	1502.8	5829.0	11122.8	11940.4	11716.8
60°	179.4	185.3	211.8	167.6	173.5	308.8	1129.3	5061.4	8931.7	9949.3	10352.2
62.5°	173.5	170.6	200.0	135.3	147.0	223.5	797.0	4114.4	6881.9	8190.6	8887.6
65°	152.9	150.0	144.1	114.7	126.5	173.5	476.4	2685.1	4849.7	6196.6	6579.0
67.5°	117.6	123.5	105.9	91.2	105.9	135.3	264.7	1202.9	2543.9	3717.4	4026.2
70°	82.3	88.2	85.3	79.4	94.1	111.8	152.9	411.7	1052.9	1952.8	2152.8
72.5°	50.0	61.8	64.7	67.6	82.3	97.1	108.8	132.3	279.4	691.1	858.8
75°	29.4	41.2	50.0	58.8	67.6	82.3	91.2	94.1	97.1	129.4	208.8
77.5°	20.6	29.4	44.1	55.9	67.6	82.3	97.1	102.9	97.1	91.2	97.1
80°	17.6	29.4	41.2	52.9	70.6	85.3	97.1	97.1	94.1	82.3	88.2
82.5°	17.6	29.4	44.1	55.9	67.6	82.3	94.1	97.1	88.2	82.3	85.3
85°	20.6	32.4	47.1	58.8	73.5	67.6	61.8	50.0	47.1	38.2	41.2
87.5°	20.6	29.4	29.4	32.4	35.3	35.3	35.3	32.4	26.5	23.5	23.5
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: P531149

CATALOG NUMBER: GLAN-SA6B-830-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1	7517.1
2.5°	8214.1	8449.4	8440.6	8446.5	8411.2	8173.0	8058.3	7767.1	7849.5	7814.2
5°	8528.8	8761.2	8961.1	8937.6	8667.1	8343.5	7864.2	7411.3	7287.7	7105.4
7.5°	8214.1	8772.9	8958.2	8931.7	8531.8	8117.1	7352.4	6899.5	6684.8	6564.3
10°	7714.2	8361.2	8590.6	8637.6	8367.1	7737.7	7034.8	6308.4	6193.7	5984.9
12.5°	7428.9	7899.5	8040.6	8167.1	8073.0	7602.4	6793.6	6096.6	5937.8	5799.6
15°	7196.6	7476.0	7534.8	7678.9	7734.8	7481.8	6920.1	6326.0	5934.9	5920.2
17.5°	7411.3	7296.6	7081.9	7126.0	7302.4	7484.8	7246.6	6778.9	6399.6	6352.5
20°	7767.1	7261.3	6776.0	6884.8	7031.9	7590.7	7740.6	7411.3	7193.6	7073.0
22.5°	8175.9	7323.0	6679.0	6731.9	7011.3	7828.9	8540.6	8358.2	7952.4	7778.9
25°	8931.7	7493.6	6755.4	6790.7	7173.0	8161.2	9264.1	9399.4	9158.2	9122.9
27.5°	9669.9	7934.7	6923.1	6843.6	7255.4	8484.7	9702.3	10428.7	10005.2	9922.8
30°	10046.4	8293.5	7173.0	7037.8	7596.5	8681.8	9967.0	11099.2	10728.7	10690.4
32.5°	10622.8	8620.0	7367.1	7193.6	7787.7	8925.9	10461.0	11831.5	11472.7	11281.6
35°	10864.0	8975.9	7793.6	7590.7	8334.7	9267.0	10714.0	12484.4	12372.7	12187.4
37.5°	11328.6	9358.2	8296.5	8284.7	8996.4	9711.1	11169.8	13372.6	13352.0	13031.5
40°	11366.9	9775.8	9090.6	9461.1	10019.9	10484.6	11569.8	13619.7	13954.9	13737.3
42.5°	11425.7	10508.1	10464.0	10769.8	11249.2	11149.2	11584.5	13678.5	14190.2	14060.8
45°	11452.2	11240.4	11860.9	12425.6	12625.6	12019.8	11446.3	13566.7	14313.7	13990.2
47.5°	11240.4	11869.8	12990.3	14081.4	14140.2	12555.0	11387.5	13452.0	14387.2	14172.6
50°	11269.8	12263.9	13966.7	14943.1	14728.4	13028.5	11296.3	13381.4	14349.0	14204.9
52°	11199.2	12272.7	14104.9	14925.4	14775.5	12766.8	11140.4	13110.9	14313.7	14416.7
52.5°	11278.6	12219.7	13960.8	14937.2	14743.1	12896.2	11119.8	13260.9	14334.3	14125.5
55°	11005.1	11590.4	13116.7	13531.4	13502.0	11705.1	10487.5	12763.8	13796.1	13799.0
57.5°	9946.4	10046.4	10287.5	10278.7	10143.4	9202.3	8970.0	11737.4	12299.2	11993.3
60°	8764.1	7355.4	6705.4	6440.7	6290.7	6137.8	7934.7	10737.5	10790.4	10661.0
62.5°	7573.0	5099.6	4235.0	4161.5	4196.8	4755.6	7670.1	10340.5	10022.8	9743.4
65°	6111.3	3717.4	3076.3	2979.2	3323.3	3926.2	6208.4	7928.9	7440.7	7208.3
67.5°	3838.0	2711.6	2079.3	1896.9	2311.6	2702.8	4079.1	4982.0	4435.0	4114.4
70°	2276.3	1514.6	941.1	844.1	949.9	1441.1	2285.1	2485.1	2055.7	1891.0
72.5°	897.0	555.8	261.7	223.5	232.3	505.8	841.1	820.5	620.5	552.9
75°	241.2	167.6	91.2	73.5	61.8	94.1	135.3	88.2	32.4	41.2
77.5°	111.8	100.0	79.4	61.8	47.1	35.3	17.6	5.9	5.9	2.9
80°	97.1	85.3	73.5	61.8	47.1	29.4	14.7	2.9	2.9	2.9
82.5°	91.2	79.4	67.6	55.9	44.1	29.4	14.7	2.9	0.0	0.0
85°	38.2	50.0	55.9	52.9	47.1	29.4	14.7	2.9	0.0	0.0
87.5°	20.6	17.6	14.7	11.8	8.8	5.9	5.9	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)