

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: P455250

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-830-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19256 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

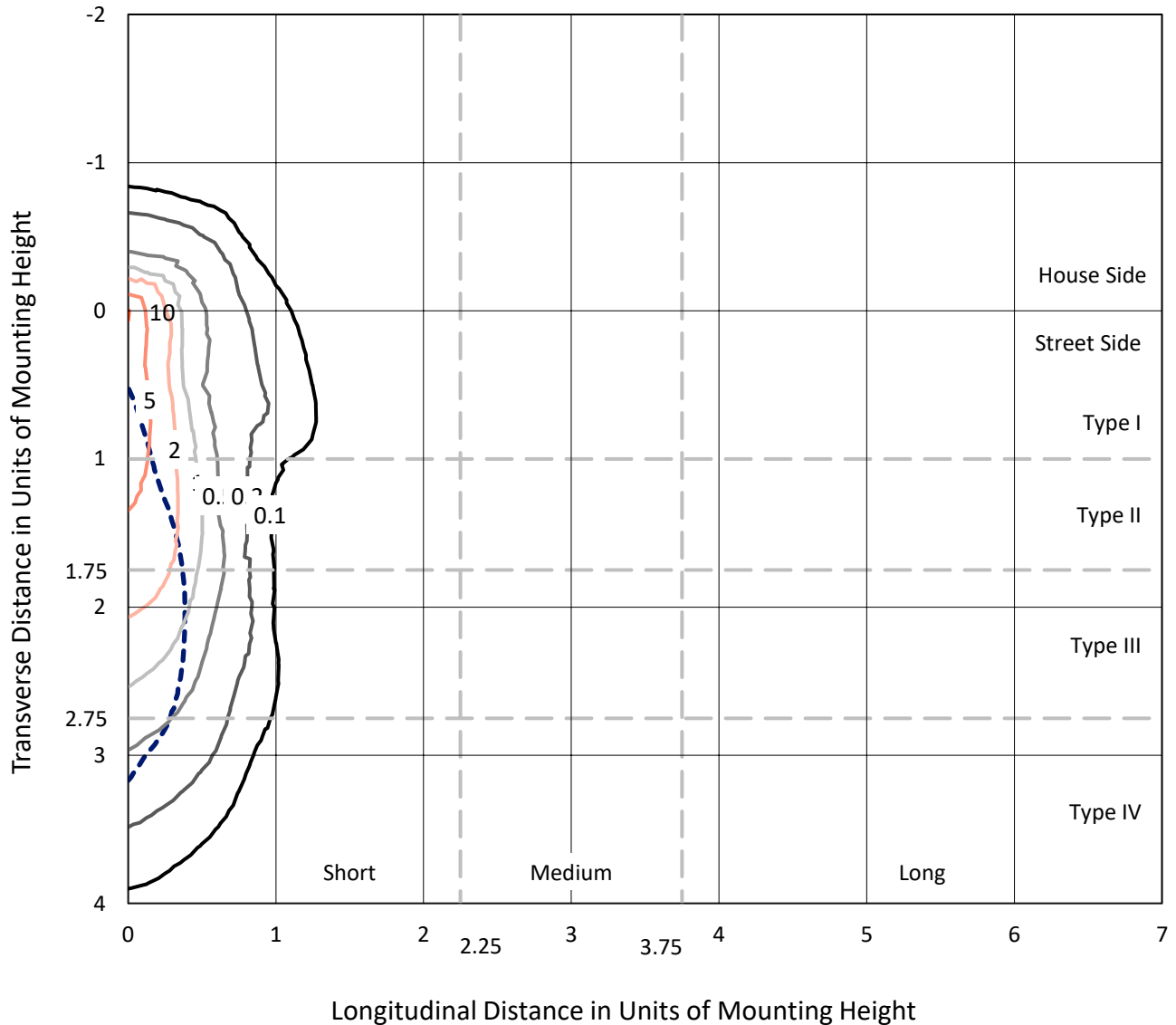
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

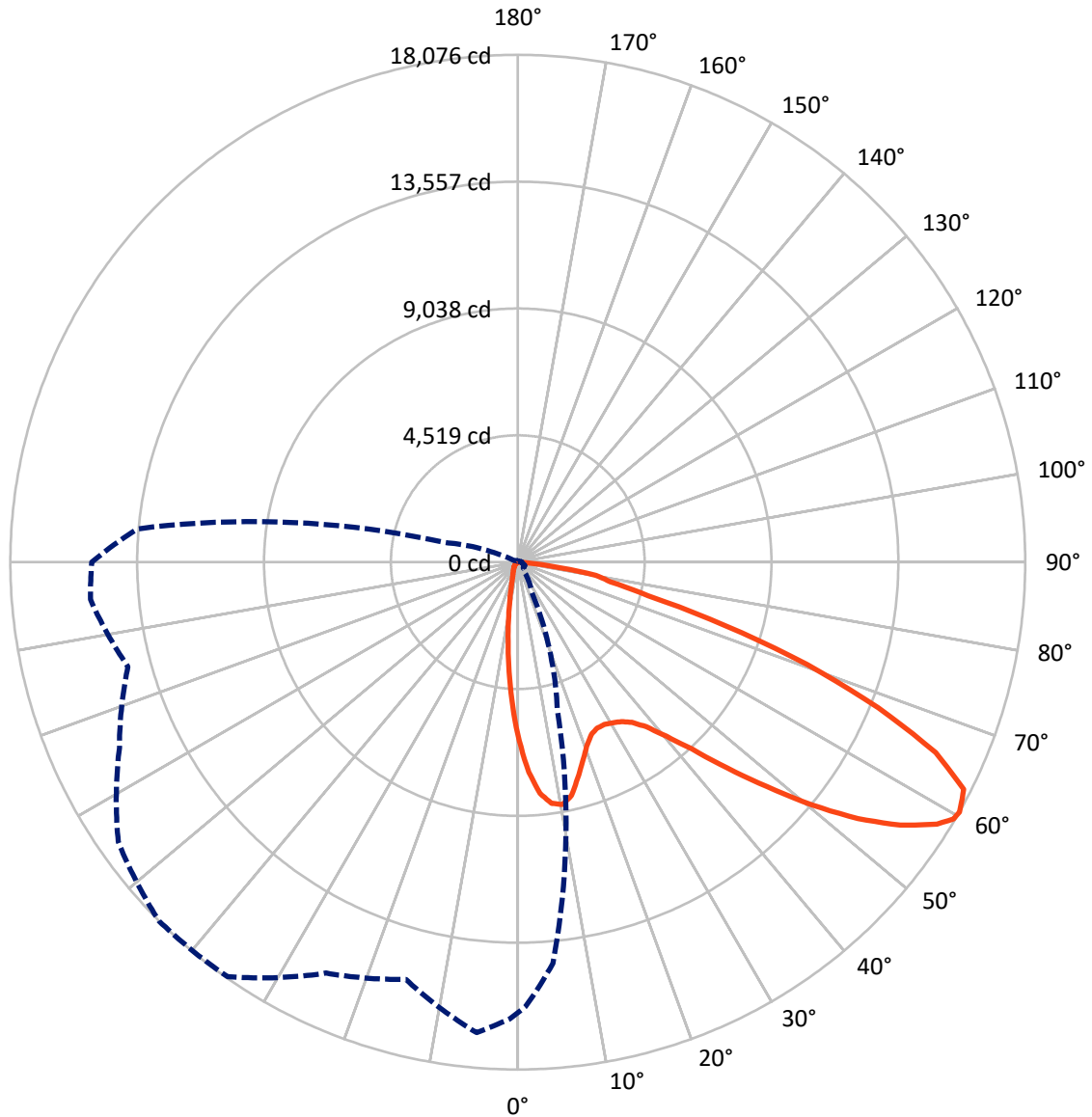
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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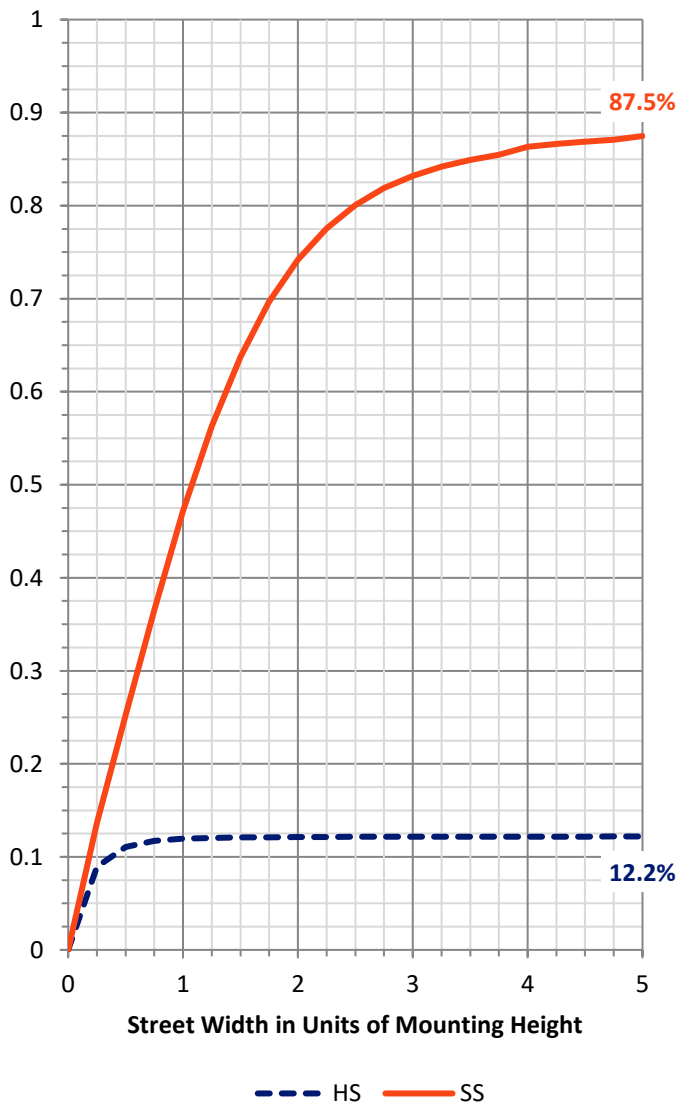
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2375.0	0.0	2375.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	16881.0	0.0	16881.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	19256.0	0.0	19256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.4	2.5
10°-20°	940.1	4.9
20°-30°	1378.4	7.2
30°-40°	2050.0	10.6
40°-50°	2983.4	15.5
50°-60°	4302.2	22.3
60°-70°	4732.0	24.6
70°-80°	2119.6	11.0
80°-90°	277.0	1.4
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°	19256.0	100.0
0°-180°	19256.0	100.0

Coefficient of Utilization



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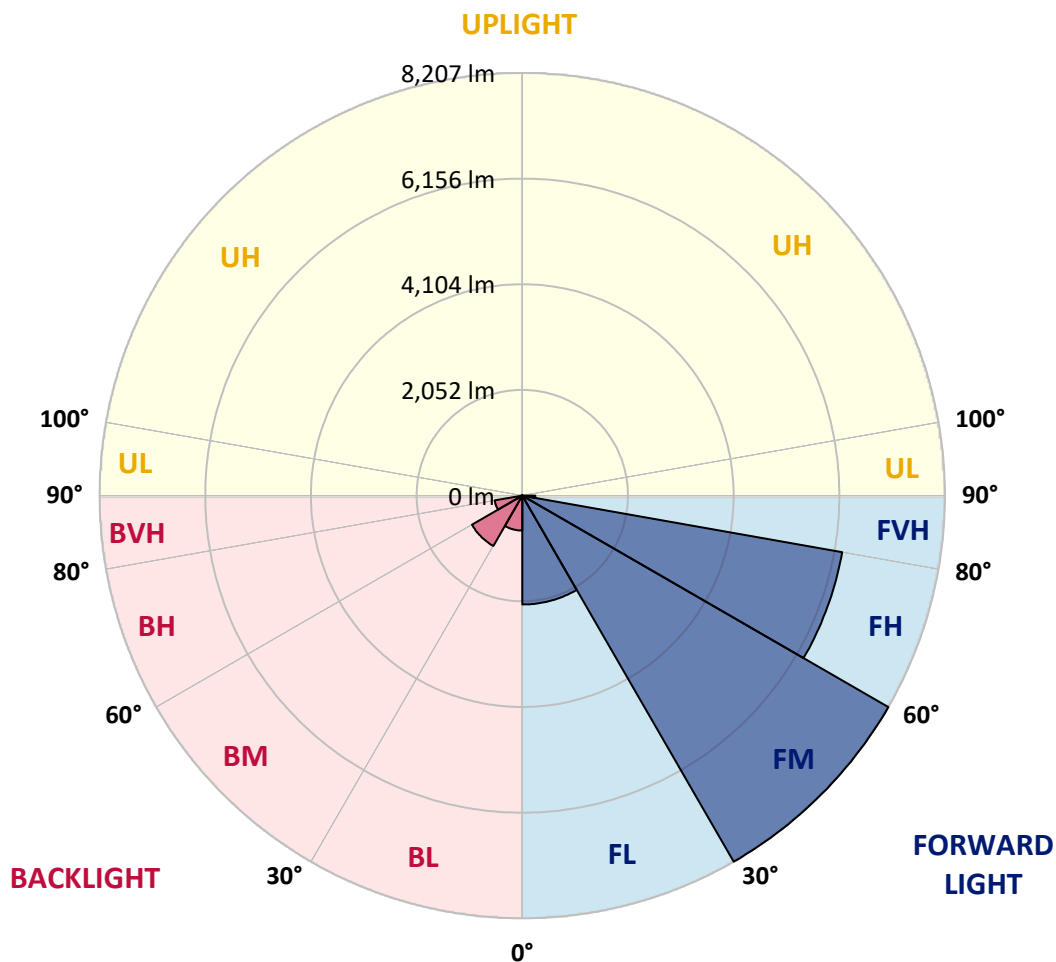
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2113.3	11.0			
FM	(30°-60°)	8207.5	42.6			
FH	(60°-80°)	6306.9	32.8			G3/7500
FVH	(80°-90°)	253.3	1.3			G3/500
BL	(0°-30°)	678.6	3.5	B2/1000		
BM	(30°-60°)	1128.1	5.9	B2/2500		
BH	(60°-80°)	544.7	2.8	B2/1000		G2/1000
BVH	(80°-90°)	23.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4
2.5°	6996.7	6966.0	6895.7	6682.0	6496.1	6253.1	6007.2	5814.0	5695.4	5477.4	5377.8
5°	6778.6	6793.3	6589.8	6150.7	5661.8	5328.0	4963.6	4673.8	4354.7	4152.7	3940.4
7.5°	6209.2	6180.0	5958.9	5347.1	4752.8	4269.8	3808.7	3434.0	3198.3	3009.5	2851.4
10°	5721.8	5699.8	5417.3	4629.8	3991.6	3630.1	3318.3	2990.4	2737.2	2460.6	2239.5
12.5°	5415.9	5366.1	5041.2	4218.5	3698.9	3362.2	3022.6	2681.6	2331.8	2052.2	1784.3
15°	5313.4	5241.7	4880.1	4076.5	3511.5	3084.1	2658.2	2265.9	1863.4	1554.5	1352.5
17.5°	5499.3	5380.7	4995.8	4051.7	3287.6	2721.1	2197.1	1686.2	1267.6	1031.9	907.5
20°	5925.3	5789.1	5288.5	4026.8	3038.7	2314.2	1670.1	1191.5	876.8	748.0	679.2
22.5°	6557.6	6370.2	5721.8	4066.3	2808.9	1917.5	1206.1	841.7	696.7	616.2	567.9
25°	7317.3	7160.7	6270.7	4206.8	2627.4	1605.7	932.4	688.0	587.0	537.2	500.6
27.5°	8150.2	7899.9	6980.6	4375.1	2462.0	1364.2	818.2	614.8	522.6	477.2	458.2
30°	8743.0	8548.3	7574.9	4492.2	2255.6	1182.7	748.0	606.0	524.0	469.9	434.7
32.5°	9328.5	9079.6	8072.6	4546.4	2104.9	1056.8	647.0	528.4	459.6	431.8	396.7
35°	9955.0	9694.4	8568.8	4517.1	1992.2	973.4	587.0	471.3	393.7	346.9	311.8
37.5°	10588.8	10313.6	9062.1	4411.7	1921.9	939.7	540.1	447.9	371.8	323.5	285.4
40°	11341.1	10973.7	9524.6	4325.4	1848.7	922.2	509.4	433.3	355.7	304.5	266.4
42.5°	11955.9	11606.1	9962.3	4280.0	1798.9	881.2	509.4	421.6	345.4	288.4	248.8
45°	12538.5	12175.5	10435.1	4316.6	1778.5	829.9	515.2	420.1	338.1	276.6	237.1
47.5°	13025.9	12711.2	10921.0	4454.2	1752.1	774.3	484.5	440.6	333.7	266.4	225.4
50°	13601.2	13296.7	11563.6	4732.3	1705.3	718.7	446.4	474.3	332.3	257.6	215.2
52.5°	14412.1	14082.7	12450.7	5048.5	1630.6	633.8	411.3	469.9	326.4	243.0	204.9
55°	15403.0	15136.6	13478.2	5427.6	1528.2	538.7	355.7	417.2	308.9	218.1	187.4
57.5°	16038.3	15811.4	14248.1	5591.5	1371.5	440.6	313.2	349.8	282.5	194.7	166.9
59°	16113.0	15908.0	14409.2	5537.4	1269.1	402.5	292.7	300.1	275.2	181.5	155.2
60°	16050.0	15837.8	14344.7	5432.0	1173.9	376.2	275.2	266.4	276.6	174.2	146.4
62.5°	15646.0	15283.0	13719.7	4897.7	1026.1	345.4	244.4	218.1	244.4	156.6	130.3
65°	14865.8	14321.3	12482.9	4145.3	967.5	327.9	207.9	183.0	185.9	137.6	112.7
67.5°	13503.1	12816.6	10836.1	3368.1	942.7	329.3	175.6	163.9	143.4	117.1	99.5
70°	11348.5	10663.4	8694.7	2770.9	930.9	329.3	149.3	140.5	120.0	98.1	86.4
72.5°	8041.8	7304.1	5865.2	2176.6	838.7	327.9	127.3	127.3	98.1	82.0	70.3
75°	4543.5	4549.3	3687.2	1539.9	696.7	270.8	102.5	101.0	71.7	62.9	52.7
77.5°	2647.9	2601.1	2485.4	661.6	323.5	123.0	71.7	61.5	49.8	45.4	38.1
80°	1361.3	1119.8	1090.5	240.1	115.6	77.6	49.8	35.1	32.2	29.3	26.3
82.5°	402.5	404.0	360.1	96.6	64.4	51.2	24.9	19.0	17.6	16.1	16.1
85°	27.8	17.6	20.5	29.3	39.5	20.5	1.5	4.4	4.4	5.9	7.3
87.5°	2.9	1.5	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°	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4
2.5°	5268.0	5332.4	5212.4	5215.3	5115.8	5148.0	5030.9	5069.0	5000.2	5052.9	5208.0
5°	3963.8	3978.5	3881.9	3851.1	3865.8	3925.8	3949.2	3842.3	3887.7	3798.4	3792.6
7.5°	2792.8	2810.4	2754.8	2747.5	2852.8	2828.0	2873.3	2763.6	2659.6	2705.0	2621.6
10°	2169.3	2096.1	1981.9	1949.7	1929.2	1942.4	1942.4	1842.9	1828.2	1788.7	1848.7
12.5°	1712.6	1623.3	1515.0	1368.6	1332.0	1329.1	1274.9	1187.1	1159.3	1125.6	1175.4
15°	1244.2	1207.6	1116.8	1034.9	951.4	935.3	847.5	775.8	680.6	667.5	663.1
17.5°	875.3	821.2	819.7	772.9	724.6	692.4	610.4	528.4	491.8	487.4	487.4
20°	655.8	636.7	606.0	600.1	585.5	548.9	475.7	431.8	414.2	415.7	421.6
22.5°	551.8	538.7	510.8	497.7	491.8	459.6	405.5	376.2	367.4	367.4	368.9
25°	493.3	481.6	450.8	430.3	423.0	399.6	357.2	335.2	327.9	327.9	327.9
27.5°	449.4	434.7	402.5	385.0	371.8	345.4	319.1	297.1	289.8	289.8	291.3
30°	418.6	402.5	373.3	349.8	329.3	305.9	284.0	264.9	256.2	254.7	256.2
32.5°	377.6	363.0	333.7	319.1	295.7	267.9	250.3	232.7	224.0	225.4	224.0
35°	294.2	289.8	269.3	273.7	260.5	237.1	221.0	202.0	191.8	190.3	193.2
37.5°	267.9	250.3	226.9	228.3	224.0	215.2	188.8	168.3	161.0	161.0	162.5
40°	247.4	229.8	203.5	190.3	191.8	191.8	163.9	142.0	134.7	133.2	136.1
42.5°	229.8	212.2	183.0	161.0	155.2	162.5	139.1	117.1	109.8	106.9	109.8
45°	218.1	199.1	165.4	140.5	123.0	131.7	114.2	96.6	87.8	87.8	86.4
47.5°	206.4	188.8	152.2	121.5	102.5	98.1	93.7	77.6	68.8	67.3	68.8
50°	196.1	178.6	137.6	105.4	86.4	76.1	76.1	61.5	55.6	52.7	54.2
52.5°	185.9	166.9	124.4	93.7	74.7	61.5	54.2	49.8	45.4	43.9	45.4
55°	171.3	152.2	111.2	80.5	64.4	51.2	42.4	41.0	38.1	35.1	38.1
57.5°	153.7	136.1	98.1	68.8	51.2	39.5	35.1	33.7	30.7	29.3	29.3
59°	143.4	127.3	90.8	60.0	45.4	35.1	32.2	30.7	27.8	24.9	26.3
60°	137.6	124.4	86.4	55.6	41.0	32.2	29.3	27.8	24.9	23.4	24.9
62.5°	121.5	111.2	76.1	45.4	32.2	23.4	20.5	22.0	20.5	19.0	20.5
65°	106.9	98.1	64.4	35.1	24.9	16.1	14.6	19.0	17.6	16.1	17.6
67.5°	95.1	84.9	54.2	26.3	17.6	8.8	10.2	16.1	16.1	14.6	16.1
70°	82.0	73.2	43.9	19.0	8.8	4.4	7.3	11.7	14.6	13.2	14.6
72.5°	67.3	57.1	33.7	13.2	4.4	0.0	4.4	10.2	14.6	13.2	14.6
75°	52.7	42.4	24.9	7.3	0.0	0.0	1.5	8.8	14.6	13.2	14.6
77.5°	38.1	30.7	14.6	1.5	0.0	0.0	1.5	8.8	14.6	13.2	14.6
80°	24.9	22.0	5.9	0.0	0.0	0.0	1.5	8.8	14.6	14.6	16.1
82.5°	16.1	11.7	0.0	0.0	0.0	0.0	2.9	11.7	16.1	17.6	17.6
85°	7.3	0.0	0.0	0.0	0.0	0.0	5.9	14.6	19.0	19.0	19.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.9	10.2	17.6	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°	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4
2.5°	5234.4	5326.6	5456.9	5657.4	5819.9	6076.0	6272.2	6540.0	6810.8	6892.8	7020.1
5°	3852.6	3971.2	4266.8	4536.2	4706.0	5247.5	5590.1	6130.2	6614.7	6847.4	7100.6
7.5°	2675.7	2816.3	3041.7	3417.9	3775.0	4215.6	4768.9	5386.6	6096.5	6428.8	6785.9
10°	1878.0	2053.6	2371.3	2680.1	3129.5	3548.1	4094.1	4776.2	5559.3	5951.6	6399.5
12.5°	1185.6	1342.3	1762.4	2109.3	2669.9	3155.8	3659.4	4277.1	5184.6	5587.1	6057.0
15°	677.7	809.5	1005.6	1450.6	2072.7	2715.3	3343.2	4060.4	4992.8	5489.1	5997.0
17.5°	505.0	540.1	627.9	879.7	1446.2	2197.1	3051.9	3994.6	5123.1	5705.7	6285.3
20°	424.5	447.9	488.9	588.4	922.2	1692.1	2768.0	4006.3	5544.7	6276.6	6826.9
22.5°	380.6	395.2	428.9	493.3	629.4	1232.5	2435.7	4075.1	6055.5	6977.7	7613.0
25°	333.7	352.8	382.0	437.7	524.0	854.8	2107.8	4228.8	6771.3	7867.7	8464.9
27.5°	297.1	314.7	344.0	395.2	459.6	652.8	1725.8	4360.5	7526.6	8763.5	9252.4
30°	260.5	278.1	307.4	348.4	406.9	528.4	1314.4	4438.1	8259.9	9435.3	9811.5
32.5°	229.8	244.4	272.3	308.9	357.2	447.9	1036.3	4357.6	8820.6	10045.7	10297.5
35°	199.1	216.6	240.1	273.7	316.2	382.0	862.1	4079.5	9302.1	10673.7	10764.4
37.5°	166.9	187.4	212.2	243.0	276.6	351.3	692.4	3772.1	9817.4	11456.8	11307.5
40°	140.5	159.5	183.0	216.6	247.4	322.0	532.8	3444.2	10373.6	12191.6	11900.3
42.5°	114.2	134.7	162.5	193.2	244.4	281.0	412.8	3104.6	10872.7	12831.2	12436.0
45°	90.8	108.3	137.6	177.1	243.0	241.5	319.1	2769.4	11248.9	13287.9	12835.6
47.5°	71.7	86.4	115.6	172.7	224.0	204.9	256.2	2561.6	11644.1	13699.2	13141.5
50°	57.1	71.7	99.5	180.0	196.1	175.6	215.2	2595.2	12026.2	13908.5	13267.4
52.5°	48.3	62.9	86.4	142.0	150.8	153.7	188.8	2750.4	12519.5	14132.5	13517.7
55°	42.4	55.6	73.2	99.5	117.1	137.6	172.7	2863.1	13179.6	14612.6	14069.6
57.5°	33.7	48.3	65.9	84.9	96.6	120.0	159.5	2871.9	13776.8	15228.9	14802.9
59°	30.7	43.9	61.5	80.5	86.4	108.3	150.8	2797.2	13798.8	15321.1	15139.6
60°	27.8	42.4	58.5	74.7	82.0	102.5	143.4	2710.9	13599.7	15174.7	15278.6
62.5°	23.4	36.6	51.2	60.0	70.3	84.9	124.4	2397.6	12635.1	14511.6	15021.0
65°	20.5	32.2	43.9	49.8	58.5	73.2	109.8	1919.0	11569.5	13612.9	14283.3
67.5°	19.0	29.3	38.1	42.4	51.2	67.3	98.1	1355.4	10189.2	12472.6	13175.2
70°	17.6	27.8	33.7	39.5	45.4	57.1	83.4	790.4	7848.6	10473.1	11215.2
72.5°	17.6	26.3	29.3	33.7	39.5	51.2	77.6	427.4	5366.1	7989.1	8947.9
75°	17.6	24.9	26.3	29.3	35.1	46.8	68.8	224.0	3469.1	5550.5	6850.3
77.5°	17.6	23.4	26.3	27.8	33.7	41.0	60.0	140.5	2311.3	3887.7	4629.8
80°	19.0	23.4	24.9	27.8	32.2	38.1	49.8	93.7	1358.4	2339.1	2817.7
82.5°	20.5	23.4	26.3	29.3	33.7	36.6	43.9	58.5	626.5	1547.2	1750.6
85°	22.0	24.9	27.8	30.7	35.1	36.6	41.0	42.4	102.5	698.2	944.1
87.5°	23.4	26.3	29.3	32.2	38.1	38.1	38.1	38.1	35.1	74.7	190.3
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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CATALOG NUMBER: GLAN-SA6B-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4	6364.4
2.5°	7181.2	7346.6	7462.2	7491.5	7408.0	7370.0	7264.6	7100.6	7001.1	6996.7
5°	7567.6	7955.5	8224.8	8270.2	8109.2	7836.9	7513.4	7096.3	6851.8	6778.6
7.5°	7501.7	8180.9	8614.2	8677.1	8406.3	7886.7	7260.2	6588.3	6321.9	6209.2
10°	7230.9	8059.4	8678.6	8778.1	8416.6	7684.7	6888.4	6139.0	5808.2	5721.8
12.5°	6999.7	7836.9	8387.3	8524.9	8251.2	7520.7	6665.9	5850.6	5496.4	5415.9
15°	6898.7	7573.4	7910.1	7980.4	7935.0	7418.3	6642.5	5806.7	5401.2	5313.4
17.5°	6999.7	7349.5	7391.9	7463.7	7564.7	7408.0	6867.9	6045.3	5607.6	5499.3
20°	7264.6	7154.8	6979.2	7009.9	7241.2	7450.5	7269.0	6573.7	6040.9	5925.3
22.5°	7715.4	7106.5	6708.4	6682.0	6974.8	7592.5	7857.4	7289.5	6671.8	6557.6
25°	8268.7	7228.0	6608.8	6551.7	6870.8	7800.3	8497.1	8166.3	7491.5	7317.3
27.5°	8871.8	7479.8	6608.8	6553.2	6862.1	7984.8	9044.5	8942.0	8340.4	8150.2
30°	9202.6	7687.6	6704.0	6641.0	6970.4	8091.6	9337.3	9631.5	8978.6	8743.0
32.5°	9498.3	7976.0	6889.9	6771.3	7197.3	8249.7	9599.3	10217.0	9486.6	9328.5
35°	9770.5	8284.8	7146.0	7008.4	7495.9	8466.3	9889.1	10831.7	10193.6	9955.0
37.5°	10070.6	8643.4	7545.6	7428.5	7995.0	8887.9	10233.1	11639.7	10888.8	10588.8
40°	10397.0	9059.1	8202.9	8153.1	8788.4	9365.1	10667.8	12501.9	11682.2	11341.1
42.5°	10729.3	9537.8	9007.9	9089.9	9687.1	10034.0	11114.3	13165.0	12332.1	11955.9
45°	11030.8	10149.6	10054.5	10460.0	10735.1	10686.8	11445.1	13631.9	12898.6	12538.5
47.5°	11411.4	11041.1	11320.6	11945.7	11953.0	11396.8	11695.4	14013.9	13386.0	13025.9
50°	11837.3	12093.5	12955.6	13592.4	13421.1	12095.0	11988.1	14466.2	13889.5	13601.2
52.5°	12330.6	13271.8	14466.2	15173.2	14773.6	12856.1	12475.5	14955.1	14688.7	14412.1
55°	12904.4	14075.4	15972.4	16536.0	16133.4	13801.7	13216.2	15618.2	15591.9	15403.0
57.5°	13552.9	14924.4	16844.8	17607.4	17248.8	14911.2	14251.1	16243.2	16143.7	16038.3
59°	14065.2	15360.6	17229.8	18020.2	17803.6	15688.5	14946.3	16632.6	16271.0	16113.0
60°	14375.5	15656.3	17371.8	18075.8	18026.1	16151.0	15386.9	16822.9	16269.6	16050.0
62.5°	15296.2	16173.0	17317.6	17828.5	18023.1	17038.0	16679.4	17032.2	15968.0	15646.0
65°	15624.1	16001.7	16420.3	16357.4	16524.3	16992.7	17505.0	16802.4	15324.0	14865.8
67.5°	14985.9	14123.7	14271.6	13851.5	13769.5	15107.4	17169.8	15678.2	14063.7	13503.1
70°	12632.2	10820.0	10745.4	10938.6	10408.7	12231.1	15417.7	13513.3	11983.7	11348.5
72.5°	9943.3	7646.6	7017.2	7728.6	7712.5	9331.4	12807.8	9589.0	8096.0	8041.8
75°	7819.4	5323.7	4672.3	4787.9	5010.4	6755.2	10200.9	6089.2	4985.5	4543.5
77.5°	5249.0	3772.1	3518.9	3376.9	3616.9	4337.1	6453.7	3302.2	2795.8	2647.9
80°	3025.6	2740.1	3111.9	2825.0	2953.8	2732.8	3210.0	1515.0	1257.4	1361.3
82.5°	1968.7	1560.4	1662.8	1235.4	1689.2	1703.8	1030.5	447.9	379.1	402.5
85°	1231.0	731.9	411.3	292.7	582.6	1071.5	322.0	27.8	32.2	27.8
87.5°	319.1	121.5	51.2	76.1	93.7	83.4	74.7	4.4	1.5	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)