

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: P530211

Luminaire Tested: **GLAN-SA5B-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12519 lumens
Efficiency: N/A
Efficacy: 61.4 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): 204
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

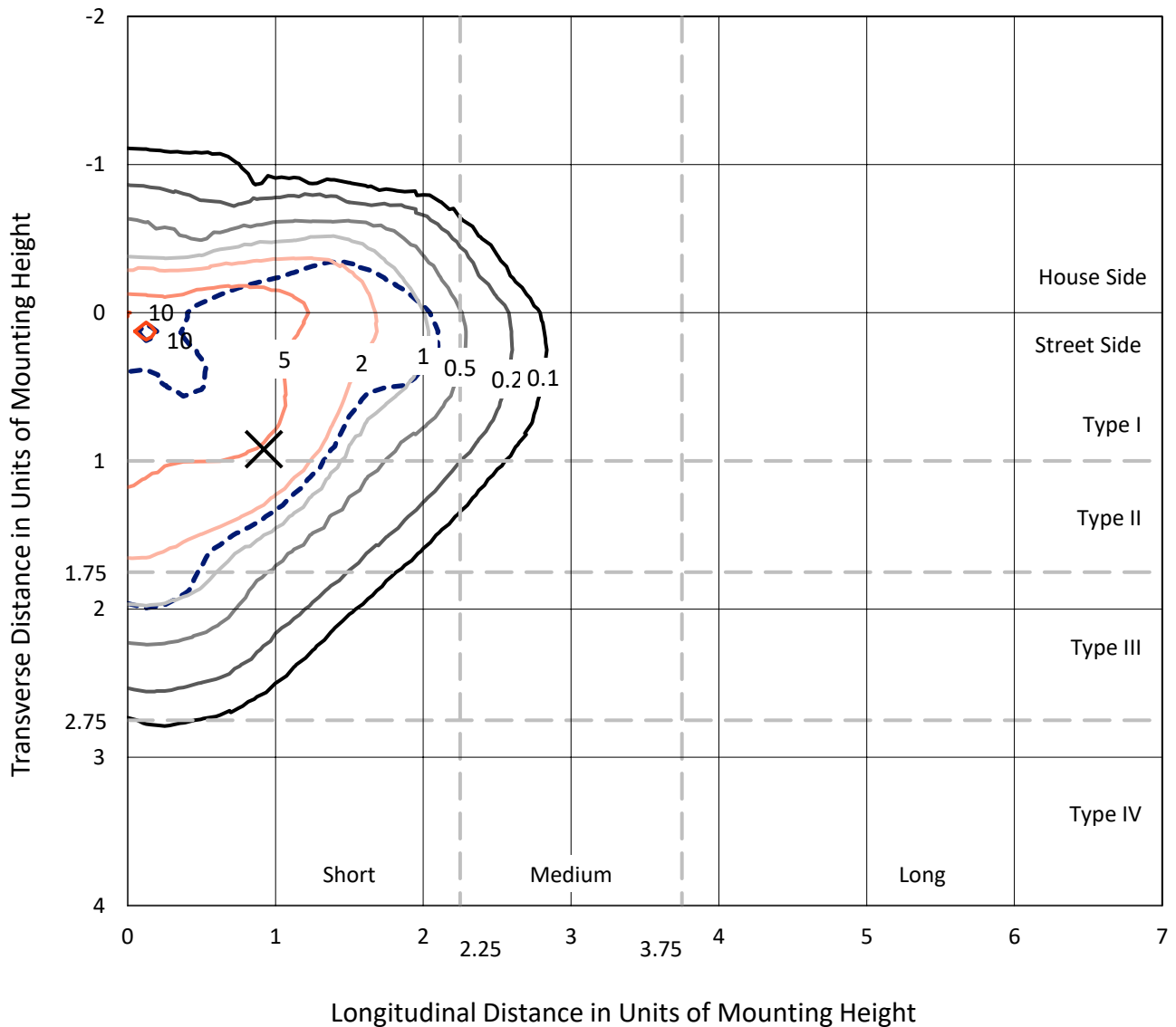




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Iso-Footcandle Lines of Horizontal Illumination

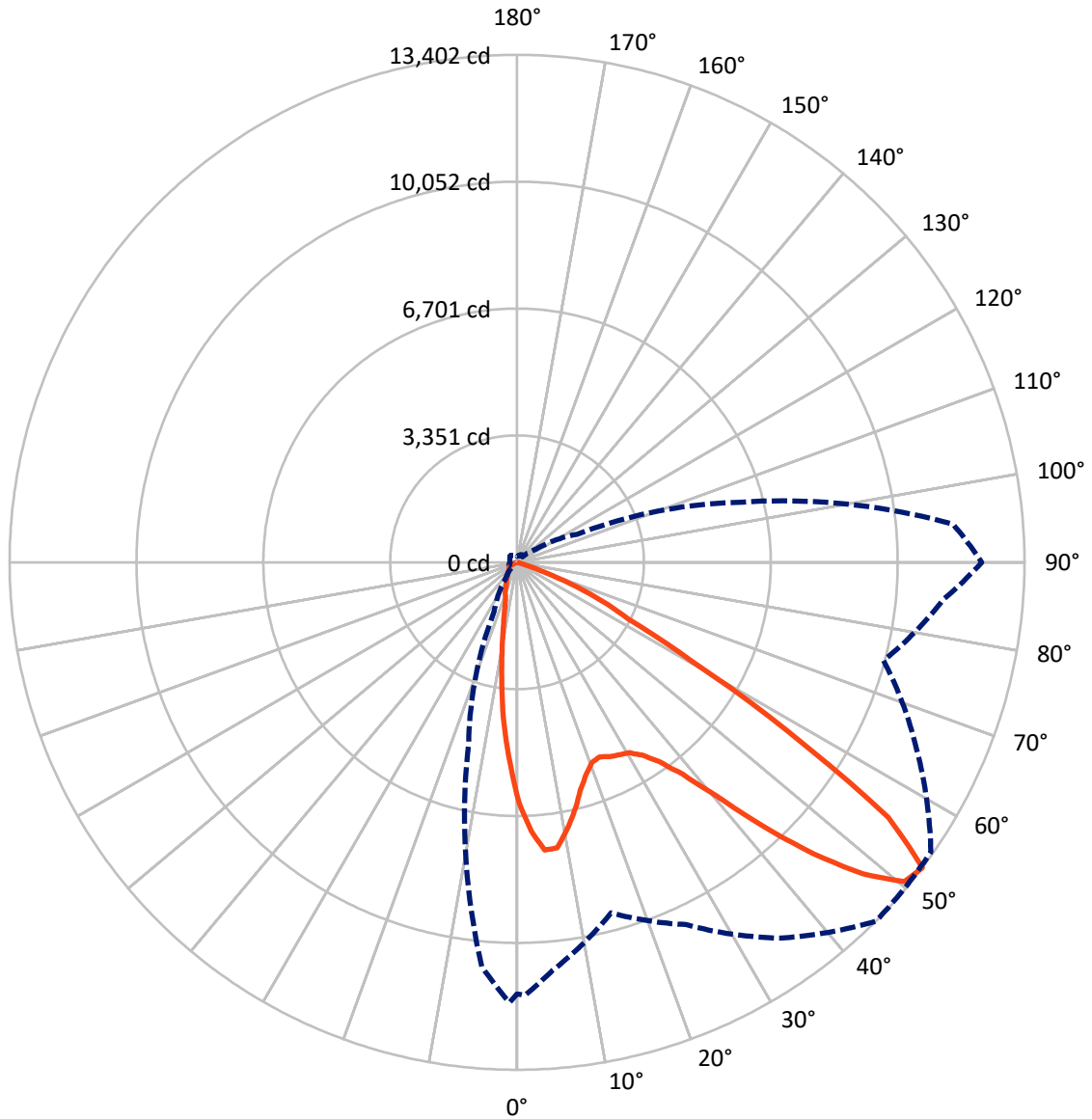
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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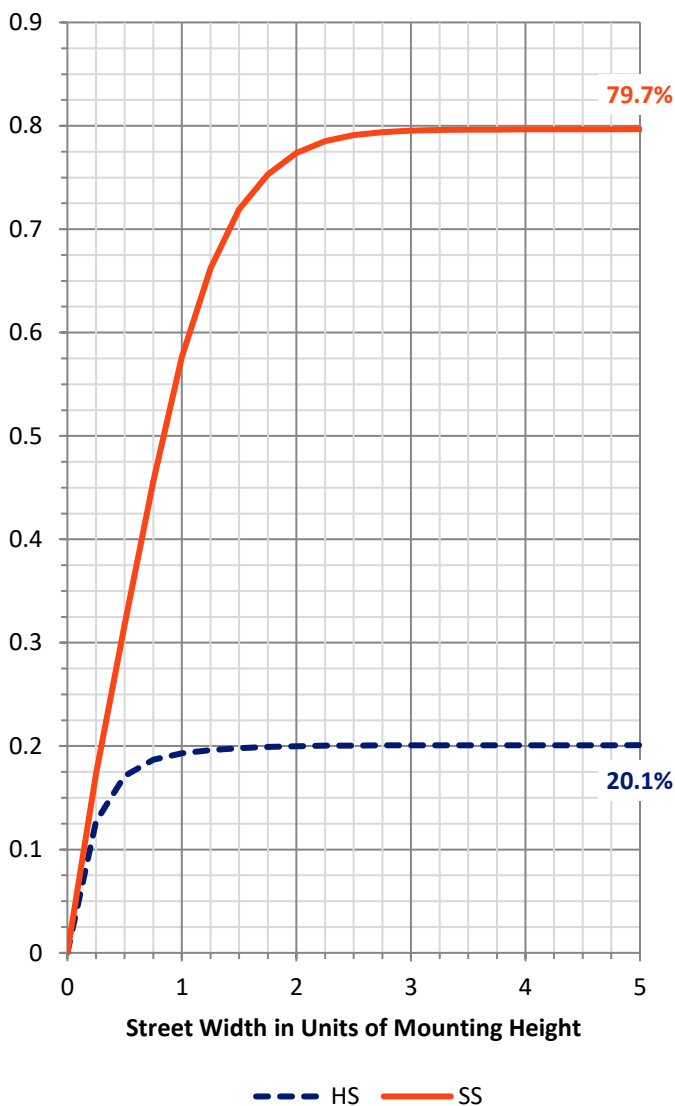
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2540.7	0.0	2540.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	9978.3	0.0	9978.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	12519.0	0.0	12519.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.9	3.7
10°-20°	913.3	7.3
20°-30°	1390.0	11.1
30°-40°	2077.5	16.6
40°-50°	2958.5	23.6
50°-60°	3180.3	25.4
60°-70°	1409.3	11.3
70°-80°	114.0	0.9
80°-90°	13.3	0.1
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°	12519.0	100.0
0°-180°	12519.0	100.0

Coefficient of Utilization



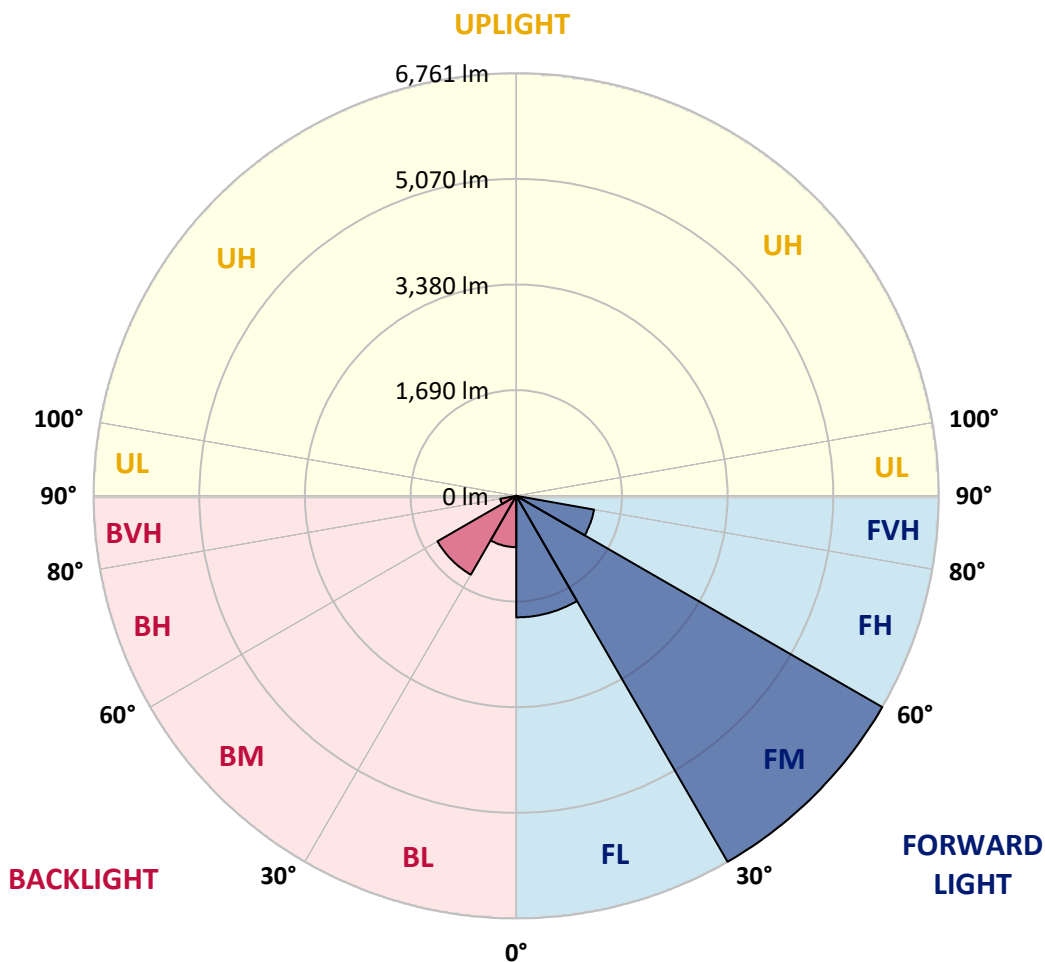
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1944.5	15.5			
FM (30°-60°)	6760.7	54.0			
FH (60°-80°)	1263.3	10.1			G1/1800
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	821.8	6.6	B2/1000		
BM (30°-60°)	1455.6	11.6	B2/2500		
BH (60°-80°)	260.0	2.1	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
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°	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7
2.5°	6717.1	6736.8	6845.1	6980.5	7051.9	7214.4	7101.2	7130.7	7069.2	6852.5	6682.6
5°	6512.7	6510.2	6648.1	6983.0	7300.6	7623.2	7633.0	7460.7	7157.8	6825.4	6350.2
7.5°	5897.1	5993.1	6136.0	6670.3	7258.8	7500.1	7615.8	7413.9	6948.5	6473.3	5958.7
10°	5431.8	5481.0	5722.3	6367.4	6798.3	7120.9	7192.3	7076.5	6719.5	6126.1	5549.9
12.5°	5163.4	5188.0	5471.1	6012.8	6468.4	6707.2	6741.7	6795.8	6539.8	5983.3	5291.4
15°	5165.8	5185.5	5567.2	6020.2	6200.0	6136.0	6249.2	6246.8	6357.6	5956.2	5508.1
17.5°	5537.6	5559.8	5904.5	6128.6	6049.8	5899.6	5892.2	6005.5	6239.4	6293.5	5835.6
20°	6177.8	6229.5	6483.1	6470.8	6027.6	5724.8	5641.0	5727.2	6271.4	6579.2	6495.5
22.5°	7039.6	7111.0	7288.3	6948.5	6128.6	5606.6	5579.5	5746.9	6483.1	7216.9	7244.0
25°	8039.3	8159.9	8246.1	7810.3	6488.1	5810.9	5682.9	5971.0	6768.8	7908.8	8196.9
27.5°	8701.6	8827.2	8807.5	8184.6	6729.4	5865.1	5756.8	6025.2	7017.5	8073.8	8694.3
30°	9218.7	9295.0	9432.9	8386.5	6970.7	6017.8	5833.1	6254.1	7098.7	8359.4	9295.0
32.5°	9822.0	9873.7	9883.5	8743.5	7342.5	6209.8	6069.5	6539.8	7458.2	8632.7	9826.9
35°	10430.1	10506.5	10346.4	9184.2	7571.5	6566.9	6463.4	7034.7	7746.3	8915.9	10412.9
37.5°	11090.0	11129.4	10760.1	9366.4	7898.9	7148.0	7091.3	7569.0	8246.1	9428.0	11062.9
40°	11644.0	11681.0	11200.8	9590.5	8243.7	7960.5	8105.8	8588.4	8925.7	9760.4	11388.0
42.5°	11951.8	12038.0	11348.6	9467.4	8935.6	8881.4	9526.5	9696.4	9713.6	9854.0	11678.5
45°	12035.5	11996.1	11104.8	9568.4	9541.3	10395.7	10981.7	11205.8	10496.6	10026.3	11752.4
47.5°	11649.0	11700.7	10745.3	9479.7	10336.6	11543.1	12301.5	12717.6	11080.2	9876.1	11570.2
50°	11336.3	11269.8	10629.6	9415.7	10550.8	12084.8	13254.4	13347.9	11617.0	10060.8	11370.7
52.5°	11397.8	11439.7	10814.3	9585.6	10555.7	12116.8	13402.1	13338.1	11634.2	10018.9	11299.3
55°	11528.3	11343.6	10735.5	9211.3	9849.1	11223.0	11895.2	11796.7	10737.9	9573.3	11124.5
57.5°	9947.5	10233.2	9871.2	8224.0	8083.6	8455.4	8443.1	8746.0	8009.7	8238.7	10127.3
60°	8073.8	8123.0	8258.4	7034.7	5594.3	5466.2	5288.9	5096.9	5389.9	7044.5	9211.3
62.5°	7101.2	7042.1	7524.7	6399.4	3949.5	3306.8	3277.3	3395.5	4158.8	6719.5	8640.1
65°	5160.9	5234.8	5584.4	4966.4	2964.6	2523.8	2479.5	2829.1	3365.9	5385.0	6593.9
67.5°	3151.7	3294.5	3326.5	3063.1	2011.7	1598.0	1534.0	1851.6	2430.3	3484.1	3865.8
70°	1455.2	1627.6	1790.1	1671.9	1164.7	657.4	620.5	778.1	1226.2	2004.3	2051.1
72.5°	440.7	443.2	620.5	647.6	376.7	147.7	130.5	172.4	416.1	662.3	696.8
75°	32.0	34.5	83.7	96.0	71.4	36.9	39.4	46.8	88.6	147.7	110.8
77.5°	2.5	2.5	2.5	12.3	22.2	24.6	32.0	36.9	46.8	54.2	49.2
80°	2.5	0.0	2.5	9.8	17.2	24.6	29.5	34.5	36.9	41.9	36.9
82.5°	0.0	0.0	0.0	7.4	17.2	24.6	27.1	36.9	41.9	49.2	41.9
85°	0.0	0.0	0.0	7.4	17.2	27.1	24.6	12.3	0.0	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°	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7
2.5°	6712.1	6616.1	6397.0	6286.2	6025.2	5988.2	5732.1	5690.3	5604.1	5557.3	5444.1
5°	6140.9	6025.2	5668.1	5367.7	5018.1	4774.3	4587.2	4417.3	4318.8	4227.7	4269.6
7.5°	5675.5	5338.2	4941.8	4439.5	4035.6	3774.6	3489.0	3255.1	3117.2	3023.7	3045.8
10°	5188.0	4968.8	4417.3	3853.4	3365.9	3181.2	2957.2	2777.4	2582.9	2415.5	2336.7
12.5°	5035.3	4710.3	4018.4	3444.7	3075.4	2895.6	2639.5	2432.7	2184.0	1979.7	1908.3
15°	5062.4	4749.7	3910.1	3297.0	2861.2	2550.9	2245.6	1989.5	1716.2	1573.4	1499.5
17.5°	5503.2	4961.5	3981.5	3141.8	2563.2	2132.3	1755.6	1430.6	1226.2	1078.5	1046.5
20°	6044.9	5419.4	4134.1	3028.6	2319.5	1696.5	1282.8	1002.1	832.2	807.6	800.2
22.5°	6837.7	6168.0	4461.6	2952.3	2021.5	1322.2	879.0	728.8	682.0	677.1	679.6
25°	7945.7	7106.1	4818.6	2888.2	1797.5	1019.4	719.0	618.0	603.3	595.9	608.2
27.5°	8425.9	7672.4	5008.2	2750.3	1593.1	918.4	709.1	613.1	571.2	558.9	566.3
30°	9019.3	8049.1	5306.2	2514.0	1292.7	755.9	662.3	667.3	647.6	586.0	566.3
32.5°	9807.2	8519.4	5456.4	2346.5	1154.8	625.4	485.1	445.7	497.4	507.2	524.5
35°	10312.0	8997.1	5532.7	2248.0	1083.4	534.3	411.2	374.3	362.0	364.4	374.3
37.5°	11250.1	9642.2	5628.7	2144.6	1029.2	465.4	371.8	337.3	320.1	320.1	329.9
40°	11811.5	10154.4	5759.2	2088.0	975.1	423.5	337.3	307.8	293.0	293.0	297.9
42.5°	11951.8	10408.0	5714.9	2068.3	913.5	413.7	307.8	285.6	268.4	265.9	263.5
45°	12203.0	10794.6	5722.3	2046.1	849.5	376.7	290.5	265.9	241.3	238.8	236.4
47.5°	12478.8	11072.8	5737.1	1960.0	787.9	315.2	302.9	246.2	216.7	211.8	211.8
50°	12242.4	11294.4	5865.1	1873.8	709.1	256.1	297.9	231.5	192.1	184.7	187.1
52.5°	12271.9	11555.4	6136.0	1753.1	610.6	204.4	241.3	219.1	174.8	162.5	165.0
55°	11799.2	11279.6	6172.9	1625.1	477.7	157.6	184.7	192.1	147.7	142.8	142.8
57.5°	10156.8	9551.1	5446.5	1317.3	315.2	130.5	133.0	167.4	128.0	123.1	125.6
60°	8691.8	7667.5	4382.8	869.2	197.0	103.4	96.0	169.9	113.3	110.8	118.2
62.5°	7923.6	6300.9	3324.1	539.2	135.4	78.8	66.5	137.9	98.5	98.5	108.3
65°	5724.8	4232.6	1932.9	283.2	96.0	61.6	49.2	78.8	81.3	83.7	88.6
67.5°	3545.7	2137.2	815.0	137.9	64.0	41.9	32.0	49.2	54.2	54.2	59.1
70°	1750.7	851.9	270.8	78.8	49.2	34.5	22.2	27.1	27.1	24.6	27.1
72.5°	541.7	256.1	68.9	49.2	34.5	22.2	12.3	9.8	4.9	0.0	2.5
75°	61.6	49.2	44.3	34.5	22.2	9.8	2.5	0.0	0.0	0.0	0.0
77.5°	36.9	41.9	41.9	34.5	22.2	7.4	0.0	0.0	0.0	0.0	0.0
80°	29.5	32.0	34.5	32.0	19.7	9.8	0.0	0.0	0.0	0.0	0.0
82.5°	36.9	41.9	46.8	41.9	27.1	12.3	4.9	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	7.4	2.5	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7
2.5°	5397.3	5343.1	5419.4	5306.2	5303.7	5306.2	5274.2	5244.6	5291.4	5417.0	5429.3
5°	4119.4	4235.1	4272.0	4392.7	4326.2	4227.7	4247.4	4180.9	4343.4	4414.8	4358.2
7.5°	2999.0	2991.6	3240.3	3255.1	3287.1	3289.6	3284.7	3154.2	3021.2	3050.7	3139.4
10°	2326.8	2201.3	2321.9	2309.6	2388.4	2366.2	2398.2	2257.9	2304.7	2304.7	2361.3
12.5°	1895.9	1763.0	1740.8	1708.8	1740.8	1753.1	1765.4	1738.4	1817.2	1854.1	1893.5
15°	1447.8	1373.9	1354.2	1292.7	1302.5	1337.0	1366.6	1378.9	1354.2	1410.9	1415.8
17.5°	1051.4	1048.9	1061.2	1058.8	1048.9	1041.5	1039.1	1007.1	997.2	1002.1	1021.8
20°	797.8	817.5	859.3	901.2	923.3	896.3	859.3	805.2	783.0	787.9	790.4
22.5°	682.0	711.6	768.2	815.0	837.2	787.9	721.4	674.7	664.8	662.3	659.9
25°	618.0	652.5	694.4	709.1	706.7	677.1	627.9	608.2	603.3	598.3	576.2
27.5°	583.6	595.9	603.3	620.5	627.9	608.2	595.9	566.3	561.4	561.4	546.6
30°	563.9	556.5	566.3	554.0	563.9	549.1	551.5	551.5	539.2	544.2	544.2
32.5°	524.5	526.9	526.9	502.3	509.7	492.5	509.7	524.5	526.9	529.4	549.1
35°	384.1	428.4	450.6	450.6	458.0	445.7	443.2	426.0	403.8	381.7	371.8
37.5°	337.3	354.6	384.1	401.3	413.7	403.8	381.7	354.6	342.3	332.4	322.6
40°	300.4	315.2	334.9	354.6	379.2	366.9	332.4	320.1	305.3	305.3	295.5
42.5°	270.8	278.2	290.5	320.1	347.2	322.6	297.9	288.1	280.7	278.2	275.8
45°	243.8	246.2	258.5	283.2	315.2	290.5	265.9	253.6	256.1	258.5	256.1
47.5°	219.1	224.1	231.5	261.0	280.7	268.4	241.3	233.9	233.9	233.9	236.4
50°	189.6	201.9	216.7	241.3	256.1	248.7	226.5	216.7	211.8	211.8	214.2
52.5°	169.9	179.7	199.4	229.0	248.7	236.4	214.2	199.4	189.6	187.1	192.1
55°	147.7	165.0	197.0	219.1	246.2	233.9	209.3	192.1	174.8	172.4	172.4
57.5°	133.0	160.0	189.6	216.7	238.8	229.0	209.3	187.1	165.0	162.5	162.5
60°	125.6	155.1	184.7	209.3	238.8	224.1	206.8	182.2	157.6	157.6	155.1
62.5°	118.2	145.3	174.8	199.4	229.0	216.7	199.4	174.8	150.2	150.2	145.3
65°	98.5	125.6	145.3	167.4	199.4	187.1	169.9	152.7	133.0	128.0	130.5
67.5°	68.9	86.2	105.9	128.0	147.7	142.8	135.4	123.1	105.9	103.4	101.0
70°	34.5	46.8	64.0	86.2	103.4	98.5	93.6	83.7	73.9	71.4	71.4
72.5°	4.9	14.8	27.1	39.4	54.2	56.6	54.2	51.7	49.2	46.8	49.2
75°	0.0	0.0	0.0	9.8	22.2	27.1	32.0	36.9	36.9	32.0	39.4
77.5°	0.0	0.0	0.0	0.0	2.5	12.3	24.6	32.0	39.4	34.5	46.8
80°	0.0	0.0	0.0	0.0	2.5	14.8	24.6	34.5	39.4	34.5	49.2
82.5°	0.0	0.0	0.0	0.0	2.5	17.2	24.6	32.0	36.9	34.5	44.3
85°	0.0	0.0	0.0	0.0	7.4	14.8	9.8	4.9	2.5	2.5	7.4
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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CATALOG NUMBER: GLAN-SA5B-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7	6347.7
2.5°	5498.2	5673.1	5860.2	5931.6	6153.2	6320.6	6433.9	6677.7	6714.6	6717.1
5°	4417.3	4505.9	4826.0	4976.2	5306.2	5562.3	5835.6	6229.5	6493.0	6512.7
7.5°	3139.4	3385.6	3521.0	3912.5	4318.8	4720.2	5126.4	5584.4	5889.7	5897.1
10°	2526.3	2686.3	2927.6	3220.6	3562.9	3971.6	4513.3	5045.2	5355.4	5431.8
12.5°	2033.8	2314.5	2590.3	2893.2	3154.2	3461.9	4045.5	4754.6	5010.7	5163.4
15°	1566.0	1822.1	2147.1	2501.7	2797.1	3208.3	3873.1	4683.2	5114.1	5165.8
17.5°	1154.8	1383.8	1684.2	2019.1	2462.3	3045.8	3902.7	5045.2	5451.5	5537.6
20°	829.8	962.7	1199.1	1588.2	2152.0	2856.2	3932.2	5412.1	6030.1	6177.8
22.5°	657.4	711.6	866.7	1211.4	1804.8	2656.8	4141.5	6113.8	6825.4	7039.6
25°	571.2	600.8	674.7	955.4	1585.7	2637.1	4476.4	6955.9	7884.2	8039.3
27.5°	551.5	556.5	620.5	876.6	1467.5	2506.6	4604.4	7554.2	8544.1	8701.6
30°	581.1	659.9	664.8	741.1	1248.4	2248.0	4670.9	8132.9	9103.0	9218.7
32.5°	502.3	477.7	494.9	573.7	1098.2	2097.8	4796.5	8637.6	9740.7	9822.0
35°	349.6	366.9	406.3	497.4	960.3	1940.3	4828.5	9194.1	10346.4	10430.1
37.5°	322.6	332.4	364.4	423.5	844.6	1851.6	4784.2	9600.4	10974.3	11090.0
40°	300.4	312.7	329.9	384.1	758.4	1753.1	4722.6	9967.2	11358.4	11644.0
42.5°	283.2	293.0	307.8	366.9	684.5	1654.6	4636.4	10484.3	11703.1	11951.8
45°	263.5	278.2	295.5	357.0	642.7	1588.2	4572.4	10452.3	11902.6	12035.5
47.5°	243.8	268.4	288.1	332.4	630.3	1556.2	4599.5	10331.7	11740.1	11649.0
50°	224.1	256.1	290.5	275.8	600.8	1492.1	4631.5	10496.6	11353.5	11336.3
52.5°	206.8	243.8	270.8	226.5	534.3	1430.6	4941.8	10713.3	11626.8	11397.8
55°	182.2	219.1	216.7	182.2	433.4	1383.8	5185.5	10718.2	11442.1	11528.3
57.5°	165.0	194.5	169.9	152.7	320.1	1157.3	4789.1	8987.3	9794.9	9947.5
60°	152.7	189.6	128.0	120.7	209.3	834.7	4180.9	6960.8	7785.7	8073.8
62.5°	140.3	179.7	101.0	98.5	145.3	593.4	3437.3	5825.7	6709.7	7101.2
65°	123.1	128.0	81.3	76.3	103.4	320.1	2092.9	4011.0	5015.6	5160.9
67.5°	101.0	98.5	66.5	61.6	68.9	155.1	923.3	2009.2	2907.9	3151.7
70°	81.3	81.3	56.6	49.2	49.2	71.4	241.3	800.2	1314.8	1455.2
72.5°	59.1	61.6	44.3	39.4	36.9	34.5	39.4	160.0	344.7	440.7
75°	51.7	54.2	44.3	34.5	27.1	22.2	17.2	14.8	19.7	32.0
77.5°	56.6	56.6	46.8	32.0	24.6	17.2	9.8	4.9	4.9	2.5
80°	71.4	73.9	61.6	41.9	29.5	19.7	12.3	4.9	2.5	2.5
82.5°	76.3	83.7	68.9	51.7	36.9	22.2	12.3	2.5	0.0	0.0
85°	19.7	32.0	54.2	46.8	36.9	22.2	12.3	2.5	0.0	0.0
87.5°	0.0	2.5	7.4	7.4	9.8	9.8	7.4	2.5	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)