

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: P650420

Luminaire Tested: **GLAN-SA5B-835-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650420
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-SA5B-835-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 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: 16023.3 lumens
Efficiency: N/A
Efficacy: 78.5 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): 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

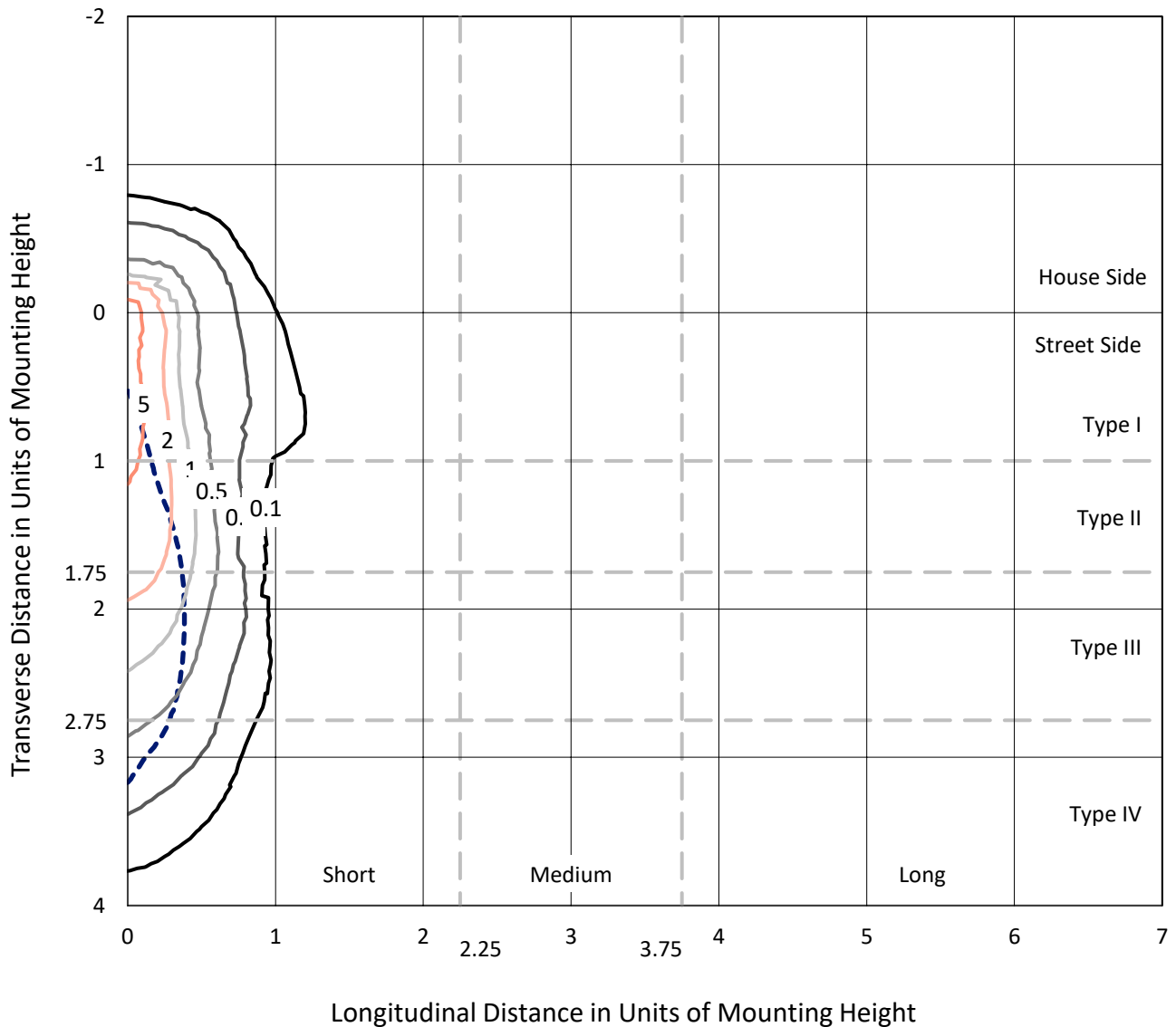




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Iso-Footcandle Lines of Horizontal Illumination

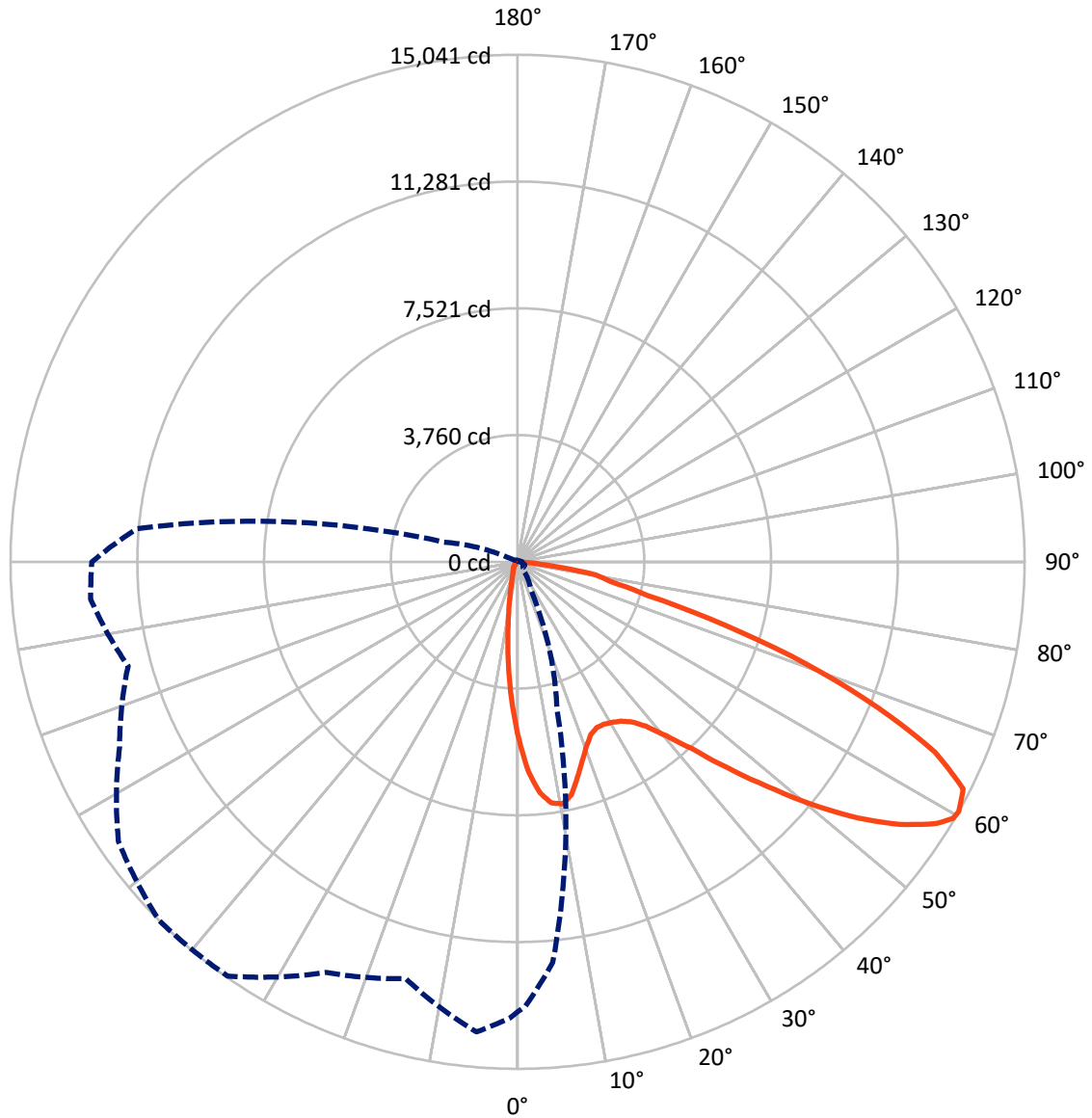
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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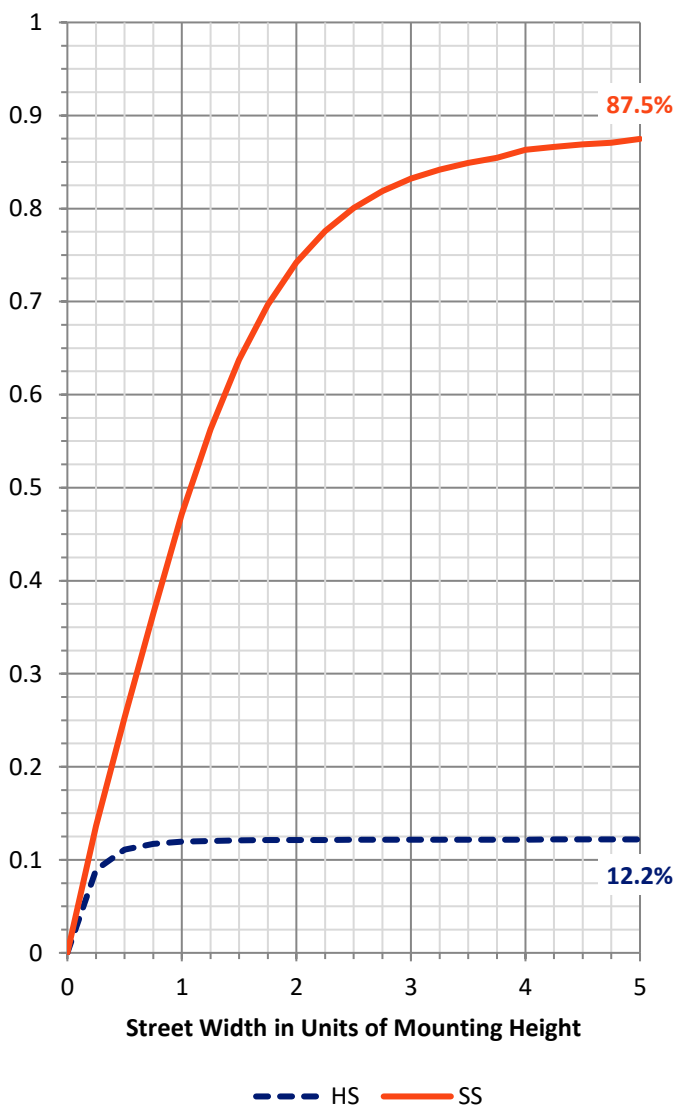
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1976.3	0.0	1976.3
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	14047.0	0.0	14047.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	16023.3	0.0	16023.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.9	2.5
10°-20°	782.3	4.9
20°-30°	1147.0	7.2
30°-40°	1705.8	10.6
40°-50°	2482.5	15.5
50°-60°	3580.0	22.3
60°-70°	3937.6	24.6
70°-80°	1763.7	11.0
80°-90°	230.5	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°	16023.3	100.0
0°-180°	16023.3	100.0

Coefficient of Utilization



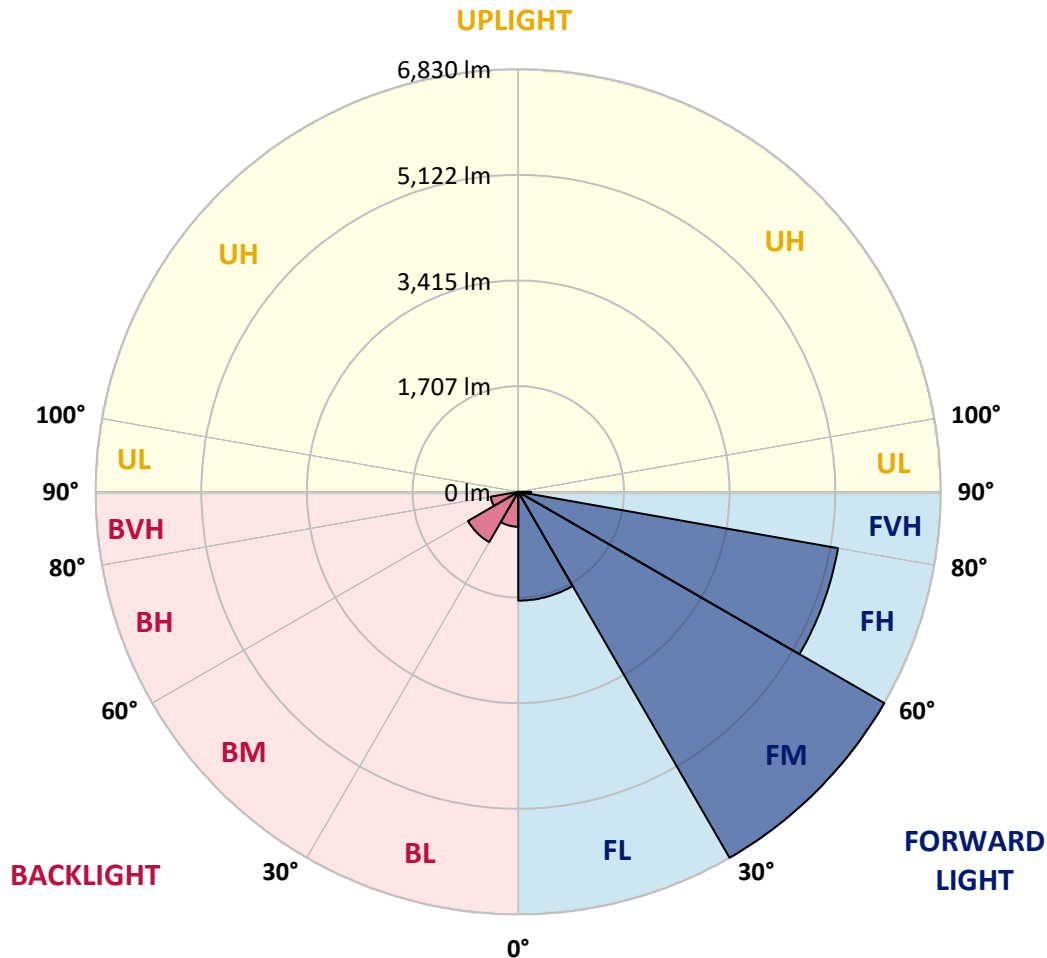
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1758.5	11.0			
FM (30°-60°)	6829.6	42.6			
FH (60°-80°)	5248.1	32.8			G3/7500
FVH (80°-90°)	210.8	1.3			G2/225
BL (0°-30°)	564.7	3.5	B2/1000		
BM (30°-60°)	938.7	5.9	B1/1000		
BH (60°-80°)	453.2	2.8	B1/500		G1/500
BVH (80°-90°)	19.7	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°	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9
2.5°	5822.2	5796.5	5738.1	5560.2	5405.5	5203.3	4998.8	4837.9	4739.3	4557.8	4475.0
5°	5640.7	5652.8	5483.5	5118.1	4711.3	4433.6	4130.3	3889.2	3623.6	3455.5	3278.9
7.5°	5166.9	5142.4	4958.5	4449.4	3954.9	3552.9	3169.3	2857.5	2661.3	2504.3	2372.7
10°	4761.2	4742.9	4507.9	3852.6	3321.6	3020.7	2761.2	2488.4	2277.7	2047.5	1863.5
12.5°	4506.6	4465.2	4194.8	3510.3	3077.9	2797.8	2515.2	2231.4	1940.3	1707.6	1484.7
15°	4421.4	4361.7	4060.9	3392.2	2922.0	2566.4	2211.9	1885.5	1550.5	1293.5	1125.5
17.5°	4576.1	4477.4	4157.1	3371.4	2735.6	2264.3	1828.2	1403.1	1054.8	858.7	755.2
20°	4930.6	4817.3	4400.7	3350.8	2528.6	1925.7	1389.7	991.4	729.6	622.4	565.2
22.5°	5456.7	5300.8	4761.2	3383.7	2337.4	1595.6	1003.6	700.4	579.8	512.8	472.6
25°	6088.8	5958.6	5218.0	3500.6	2186.4	1336.2	775.9	572.5	488.4	447.0	416.6
27.5°	6781.9	6573.6	5808.7	3640.6	2048.7	1135.2	680.9	511.5	434.8	397.1	381.2
30°	7275.2	7113.2	6303.2	3738.1	1876.9	984.2	622.4	504.3	436.1	391.0	361.7
32.5°	7762.4	7555.3	6717.4	3783.1	1751.5	879.4	538.4	439.7	382.5	359.3	330.1
35°	8283.7	8066.9	7130.2	3758.8	1657.7	810.0	488.4	392.2	327.6	288.7	259.4
37.5°	8811.1	8582.1	7540.8	3671.1	1599.3	782.0	449.4	372.7	309.4	269.2	237.5
40°	9437.2	9131.5	7925.6	3599.2	1538.4	767.3	423.8	360.6	296.0	253.4	221.7
42.5°	9948.7	9657.7	8289.9	3561.5	1496.9	733.3	423.8	350.8	287.4	239.9	207.0
45°	10433.6	10131.5	8683.2	3591.9	1479.9	690.6	428.8	349.6	281.3	230.2	197.3
47.5°	10839.1	10577.2	9087.7	3706.4	1457.9	644.3	403.2	366.6	277.7	221.7	187.6
50°	11317.8	11064.5	9622.4	3937.9	1419.0	598.1	371.5	394.6	276.5	214.4	179.1
52.5°	11992.6	11718.5	10360.4	4201.0	1356.9	527.4	342.2	391.0	271.6	202.2	170.5
55°	12817.2	12595.5	11215.5	4516.4	1271.6	448.3	296.0	347.1	257.0	181.5	155.9
57.5°	13345.8	13157.0	11856.2	4652.8	1141.3	366.6	260.7	291.1	235.1	162.0	138.8
59°	13407.9	13237.4	11990.2	4607.7	1056.0	335.0	243.6	249.7	228.9	151.0	129.1
60°	13355.6	13178.9	11936.5	4520.0	976.9	313.0	228.9	221.7	230.2	144.9	121.8
62.5°	13019.4	12717.3	11416.5	4075.5	853.9	287.4	203.4	181.5	203.4	130.3	108.4
65°	12370.1	11917.1	10387.3	3449.4	805.1	272.8	173.0	152.2	154.7	114.5	93.8
67.5°	11236.2	10664.9	9016.9	2802.7	784.4	274.0	146.2	136.4	119.3	97.4	82.8
70°	9443.3	8873.3	7235.0	2305.7	774.6	274.0	124.3	116.9	99.9	81.6	71.9
72.5°	6691.8	6077.9	4880.6	1811.2	697.9	272.8	105.9	105.9	81.6	68.2	58.5
75°	3780.7	3785.6	3068.2	1281.4	579.8	225.3	85.3	84.0	59.7	52.4	43.8
77.5°	2203.4	2164.4	2068.2	550.5	269.2	102.3	59.7	51.1	41.4	37.7	31.6
80°	1132.8	931.8	907.4	199.7	96.2	64.5	41.4	29.2	26.8	24.4	21.9
82.5°	335.0	336.1	299.7	80.4	53.6	42.6	20.7	15.8	14.6	13.4	13.4
85°	23.2	14.6	17.1	24.4	32.9	17.1	1.3	3.7	3.7	4.9	6.1
87.5°	2.4	1.3	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°	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9
2.5°	4383.6	4437.3	4337.4	4339.8	4256.9	4283.8	4186.3	4218.0	4160.7	4204.6	4333.7
5°	3298.4	3310.6	3230.2	3204.6	3216.8	3266.8	3286.2	3197.3	3235.0	3160.7	3155.9
7.5°	2323.9	2338.6	2292.3	2286.2	2373.9	2353.2	2391.0	2299.6	2213.1	2250.9	2181.4
10°	1805.1	1744.2	1649.2	1622.4	1605.3	1616.3	1616.3	1533.5	1521.3	1488.4	1538.4
12.5°	1425.1	1350.8	1260.6	1138.9	1108.4	1106.0	1060.9	987.8	964.7	936.6	978.0
15°	1035.3	1004.9	929.3	861.1	791.7	778.3	705.2	645.6	566.3	555.4	551.8
17.5°	728.3	683.3	682.1	643.1	602.9	576.1	507.9	439.7	409.3	405.6	405.6
20°	545.7	529.9	504.3	499.4	487.2	456.7	395.9	359.3	344.7	345.9	350.8
22.5°	459.2	448.3	425.1	414.1	409.3	382.5	337.4	313.0	305.7	305.7	306.9
25°	410.4	400.7	375.1	358.1	352.0	332.5	297.2	278.9	272.8	272.8	272.8
27.5°	374.0	361.7	335.0	320.3	309.4	287.4	265.5	247.3	241.2	241.2	242.4
30°	348.4	335.0	310.6	291.1	274.0	254.6	236.3	220.5	213.1	212.0	213.1
32.5°	314.2	302.1	277.7	265.5	246.0	222.9	208.3	193.6	186.4	187.6	186.4
35°	244.8	241.2	224.1	227.8	216.8	197.3	183.9	168.1	159.6	158.3	160.7
37.5°	222.9	208.3	188.8	190.0	186.4	179.1	157.1	140.1	134.0	134.0	135.2
40°	205.9	191.2	169.3	158.3	159.6	159.6	136.4	118.2	112.0	110.9	113.3
42.5°	191.2	176.6	152.2	134.0	129.1	135.2	115.7	97.4	91.4	88.9	91.4
45°	181.5	165.7	137.7	116.9	102.3	109.6	95.0	80.4	73.1	73.1	71.9
47.5°	171.7	157.1	126.7	101.1	85.3	81.6	78.0	64.5	57.2	56.1	57.2
50°	163.2	148.6	114.5	87.7	71.9	63.3	63.3	51.1	46.3	43.8	45.1
52.5°	154.7	138.8	103.5	78.0	62.1	51.1	45.1	41.4	37.7	36.6	37.7
55°	142.5	126.7	92.6	67.0	53.6	42.6	35.3	34.1	31.6	29.2	31.6
57.5°	127.9	113.3	81.6	57.2	42.6	32.9	29.2	28.0	25.6	24.4	24.4
59°	119.3	105.9	75.5	50.0	37.7	29.2	26.8	25.6	23.2	20.7	21.9
60°	114.5	103.5	71.9	46.3	34.1	26.8	24.4	23.2	20.7	19.5	20.7
62.5°	101.1	92.6	63.3	37.7	26.8	19.5	17.1	18.2	17.1	15.8	17.1
65°	88.9	81.6	53.6	29.2	20.7	13.4	12.2	15.8	14.6	13.4	14.6
67.5°	79.2	70.6	45.1	21.9	14.6	7.3	8.5	13.4	13.4	12.2	13.4
70°	68.2	60.9	36.6	15.8	7.3	3.7	6.1	9.7	12.2	11.0	12.2
72.5°	56.1	47.5	28.0	11.0	3.7	0.0	3.7	8.5	12.2	11.0	12.2
75°	43.8	35.3	20.7	6.1	0.0	0.0	1.3	7.3	12.2	11.0	12.2
77.5°	31.6	25.6	12.2	1.3	0.0	0.0	1.3	7.3	12.2	11.0	12.2
80°	20.7	18.2	4.9	0.0	0.0	0.0	1.3	7.3	12.2	12.2	13.4
82.5°	13.4	9.7	0.0	0.0	0.0	0.0	2.4	9.7	13.4	14.6	14.6
85°	6.1	0.0	0.0	0.0	0.0	0.0	4.9	12.2	15.8	15.8	15.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.5	14.6	18.2	18.2
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°	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9
2.5°	4355.6	4432.3	4540.8	4707.6	4842.9	5056.0	5219.2	5442.1	5667.4	5735.6	5841.6
5°	3205.8	3304.5	3550.5	3774.6	3915.9	4366.6	4651.6	5101.1	5504.2	5697.9	5908.6
7.5°	2226.5	2343.4	2531.0	2844.1	3141.2	3507.9	3968.3	4482.3	5073.1	5349.5	5646.8
10°	1562.7	1708.9	1973.2	2230.2	2604.1	2952.5	3406.8	3974.4	4626.0	4952.5	5325.2
12.5°	986.6	1116.9	1466.5	1755.2	2221.7	2626.0	3045.0	3559.0	4314.3	4649.1	5040.2
15°	563.9	673.5	836.8	1207.1	1724.7	2259.4	2781.9	3378.8	4154.7	4567.6	4990.2
17.5°	420.2	449.4	522.5	732.0	1203.4	1828.2	2539.6	3324.0	4263.0	4747.8	5230.1
20°	353.2	372.7	406.8	489.6	767.3	1408.0	2303.3	3333.7	4613.8	5222.8	5680.8
22.5°	316.6	328.9	356.9	410.4	523.7	1025.6	2026.8	3390.9	5038.9	5806.3	6334.9
25°	277.7	293.5	317.9	364.2	436.1	711.4	1753.9	3518.9	5634.5	6546.8	7043.8
27.5°	247.3	261.8	286.3	328.9	382.5	543.2	1436.0	3628.5	6263.1	7292.2	7699.1
30°	216.8	231.5	255.8	289.9	338.6	439.7	1093.8	3693.0	6873.3	7851.3	8164.3
32.5°	191.2	203.4	226.5	257.0	297.2	372.7	862.3	3626.0	7339.8	8359.2	8568.8
35°	165.7	180.2	199.7	227.8	263.1	317.9	717.4	3394.6	7740.5	8881.8	8957.3
37.5°	138.8	155.9	176.6	202.2	230.2	292.3	576.1	3138.8	8169.2	9533.4	9409.2
40°	116.9	132.8	152.2	180.2	205.9	267.9	443.3	2866.0	8632.1	10144.9	9902.4
42.5°	95.0	112.0	135.2	160.7	203.4	233.9	343.5	2583.4	9047.4	10677.1	10348.3
45°	75.5	90.1	114.5	147.4	202.2	201.0	265.5	2304.4	9360.5	11057.1	10680.7
47.5°	59.7	71.9	96.2	143.8	186.4	170.5	213.1	2131.6	9689.3	11399.4	10935.4
50°	47.5	59.7	82.8	149.8	163.2	146.2	179.1	2159.5	10007.2	11573.6	11040.1
52.5°	40.2	52.4	71.9	118.2	125.4	127.9	157.1	2288.6	10417.7	11760.0	11248.3
55°	35.3	46.3	60.9	82.8	97.4	114.5	143.8	2382.4	10967.0	12159.4	11707.6
57.5°	28.0	40.2	54.8	70.6	80.4	99.9	132.8	2389.7	11464.0	12672.2	12317.8
59°	25.6	36.6	51.1	67.0	71.9	90.1	125.4	2327.6	11482.2	12749.0	12597.9
60°	23.2	35.3	48.7	62.1	68.2	85.3	119.3	2255.7	11316.6	12627.2	12713.6
62.5°	19.5	30.5	42.6	50.0	58.5	70.6	103.5	1995.1	10513.9	12075.4	12499.3
65°	17.1	26.8	36.6	41.4	48.7	60.9	91.4	1596.9	9627.2	11327.6	11885.4
67.5°	15.8	24.4	31.6	35.3	42.6	56.1	81.6	1127.9	8478.6	10378.7	10963.3
70°	14.6	23.2	28.0	32.9	37.7	47.5	69.5	657.7	6531.0	8714.9	9332.4
72.5°	14.6	21.9	24.4	28.0	32.9	42.6	64.5	355.6	4465.2	6647.9	7445.7
75°	14.6	20.7	21.9	24.4	29.2	39.0	57.2	186.4	2886.7	4618.7	5700.3
77.5°	14.6	19.5	21.9	23.2	28.0	34.1	50.0	116.9	1923.3	3235.0	3852.6
80°	15.8	19.5	20.7	23.2	26.8	31.6	41.4	78.0	1130.3	1946.4	2344.7
82.5°	17.1	19.5	21.9	24.4	28.0	30.5	36.6	48.7	521.3	1287.4	1456.8
85°	18.2	20.7	23.2	25.6	29.2	30.5	34.1	35.3	85.3	581.0	785.6
87.5°	19.5	21.9	24.4	26.8	31.6	31.6	31.6	31.6	29.2	62.1	158.3
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: P650420

CATALOG NUMBER: GLAN-SA5B-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9	5295.9
2.5°	5975.6	6113.2	6209.4	6233.8	6164.4	6132.7	6045.0	5908.6	5825.8	5822.2
5°	6297.1	6620.0	6844.0	6881.8	6747.8	6521.3	6252.1	5904.9	5701.6	5640.7
7.5°	6242.3	6807.5	7168.1	7220.4	6995.1	6562.6	6041.4	5482.3	5260.6	5166.9
10°	6017.0	6706.4	7221.6	7304.5	7003.6	6394.6	5732.0	5108.4	4833.1	4761.2
12.5°	5824.6	6521.3	6979.3	7093.7	6866.0	6258.1	5546.9	4868.4	4573.7	4506.6
15°	5740.5	6302.1	6582.1	6640.6	6602.9	6172.9	5527.4	4831.9	4494.5	4421.4
17.5°	5824.6	6115.6	6151.0	6210.7	6294.7	6164.4	5715.0	5030.4	4666.2	4576.1
20°	6045.0	5953.7	5807.5	5833.1	6025.5	6199.7	6048.7	5470.1	5026.8	4930.6
22.5°	6420.1	5913.5	5582.2	5560.2	5803.8	6317.9	6538.3	6065.7	5551.7	5456.7
25°	6880.5	6014.5	5499.3	5451.9	5717.4	6490.8	7070.6	6795.3	6233.8	6088.8
27.5°	7382.4	6224.1	5499.3	5453.0	5710.0	6644.3	7526.1	7440.8	6940.3	6781.9
30°	7657.7	6397.0	5578.5	5526.1	5800.2	6733.2	7769.7	8014.6	7471.3	7275.2
32.5°	7903.7	6636.9	5733.2	5634.5	5989.0	6864.7	7987.8	8501.7	7894.0	7762.4
35°	8130.3	6894.0	5946.3	5831.9	6237.5	7045.0	8228.9	9013.3	8482.2	8283.7
37.5°	8380.0	7192.4	6278.9	6181.4	6652.8	7395.8	8515.1	9685.6	9060.8	8811.1
40°	8651.6	7538.3	6825.7	6784.4	7313.0	7792.9	8876.9	10403.1	9721.0	9437.2
42.5°	8928.1	7936.6	7495.7	7563.9	8060.8	8349.5	9248.4	10954.9	10261.8	9948.7
45°	9179.0	8445.8	8366.6	8703.9	8932.9	8892.8	9523.6	11343.4	10733.1	10433.6
47.5°	9495.7	9187.5	9420.1	9940.3	9946.3	9483.5	9732.0	11661.3	11138.7	10839.1
50°	9850.1	10063.3	10780.7	11310.5	11168.0	10064.4	9975.6	12037.7	11557.8	11317.8
52.5°	10260.6	11043.7	12037.7	12626.0	12293.4	10697.8	10381.2	12444.5	12222.8	11992.6
55°	10738.1	11712.4	13291.0	13759.9	13425.0	11484.7	10997.5	12996.2	12974.3	12817.2
57.5°	11277.6	12418.9	14017.0	14651.5	14353.1	12408.0	11858.6	13516.3	13433.5	13345.8
59°	11703.9	12781.8	14337.3	14995.0	14814.8	13054.7	12437.2	13840.3	13539.5	13407.9
60°	11962.1	13027.9	14455.4	15041.3	14999.9	13439.6	12803.8	13998.6	13538.2	13355.6
62.5°	12728.3	13457.9	14410.3	14835.4	14997.4	14177.7	13879.3	14172.8	13287.4	13019.4
65°	13001.1	13315.4	13663.7	13611.4	13750.2	14140.0	14566.2	13981.6	12751.4	12370.1
67.5°	12470.1	11752.7	11875.7	11526.1	11457.9	12571.1	14287.3	13046.2	11702.7	11236.2
70°	10511.5	9003.6	8941.5	9102.2	8661.3	10177.7	12829.4	11244.7	9971.9	9443.3
72.5°	8274.0	6362.9	5839.1	6431.1	6417.7	7764.9	10657.6	7979.2	6736.9	6691.8
75°	6506.7	4429.9	3887.9	3984.1	4169.2	5621.2	8488.3	5066.9	4148.6	3780.7
77.5°	4367.8	3138.8	2928.1	2810.0	3009.7	3609.0	5370.2	2747.9	2326.4	2203.4
80°	2517.7	2280.1	2589.5	2350.8	2458.0	2274.1	2671.1	1260.6	1046.2	1132.8
82.5°	1638.2	1298.4	1383.6	1028.0	1405.6	1417.8	857.5	372.7	315.5	335.0
85°	1024.3	609.0	342.2	243.6	484.8	891.6	267.9	23.2	26.8	23.2
87.5°	265.5	101.1	42.6	63.3	78.0	69.5	62.1	3.7	1.3	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)