

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: P649595

Luminaire Tested: **GLAN-SA8D-835-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P649595
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-SA8D-835-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 1200mA 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: 35126.2 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

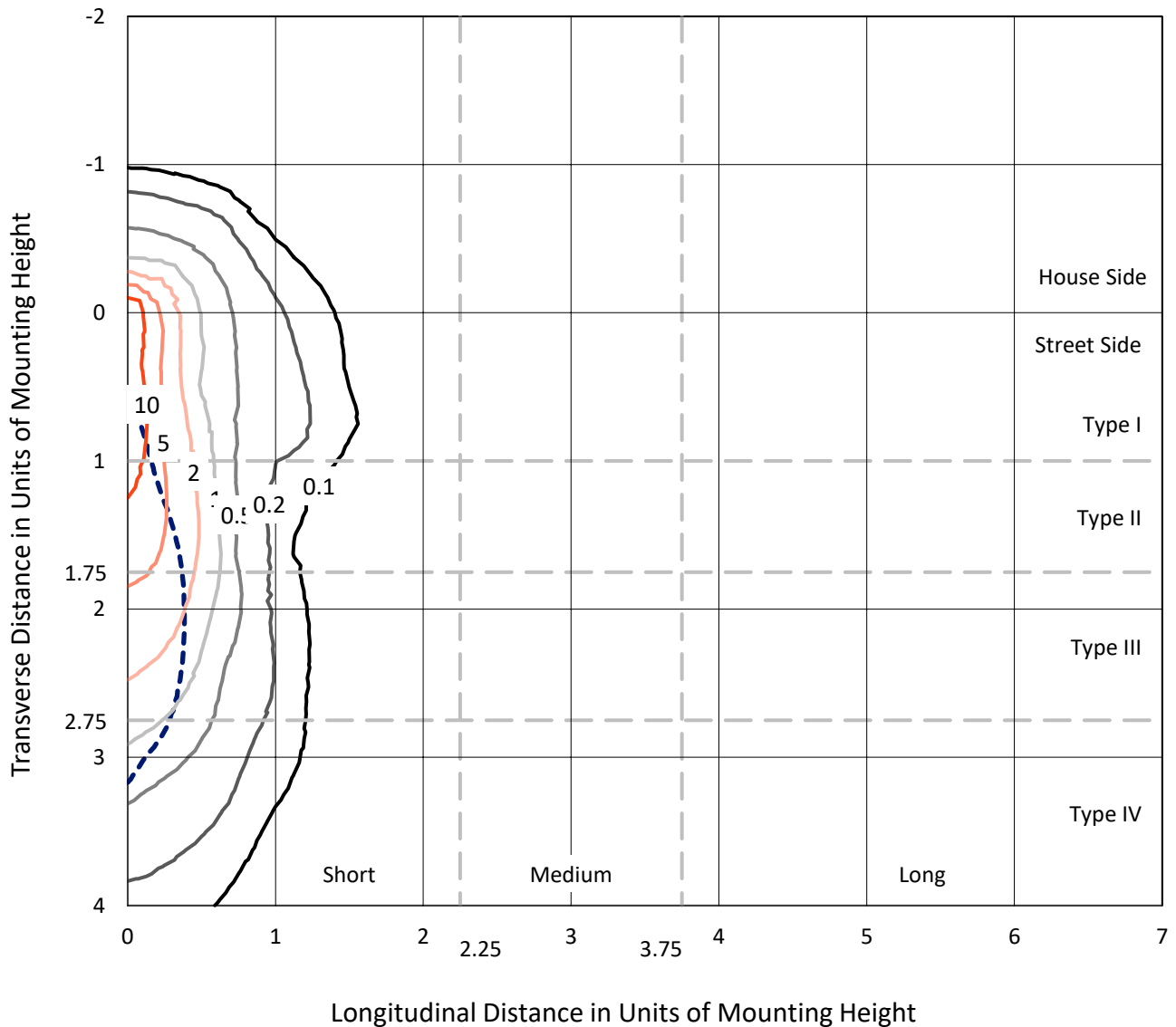
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

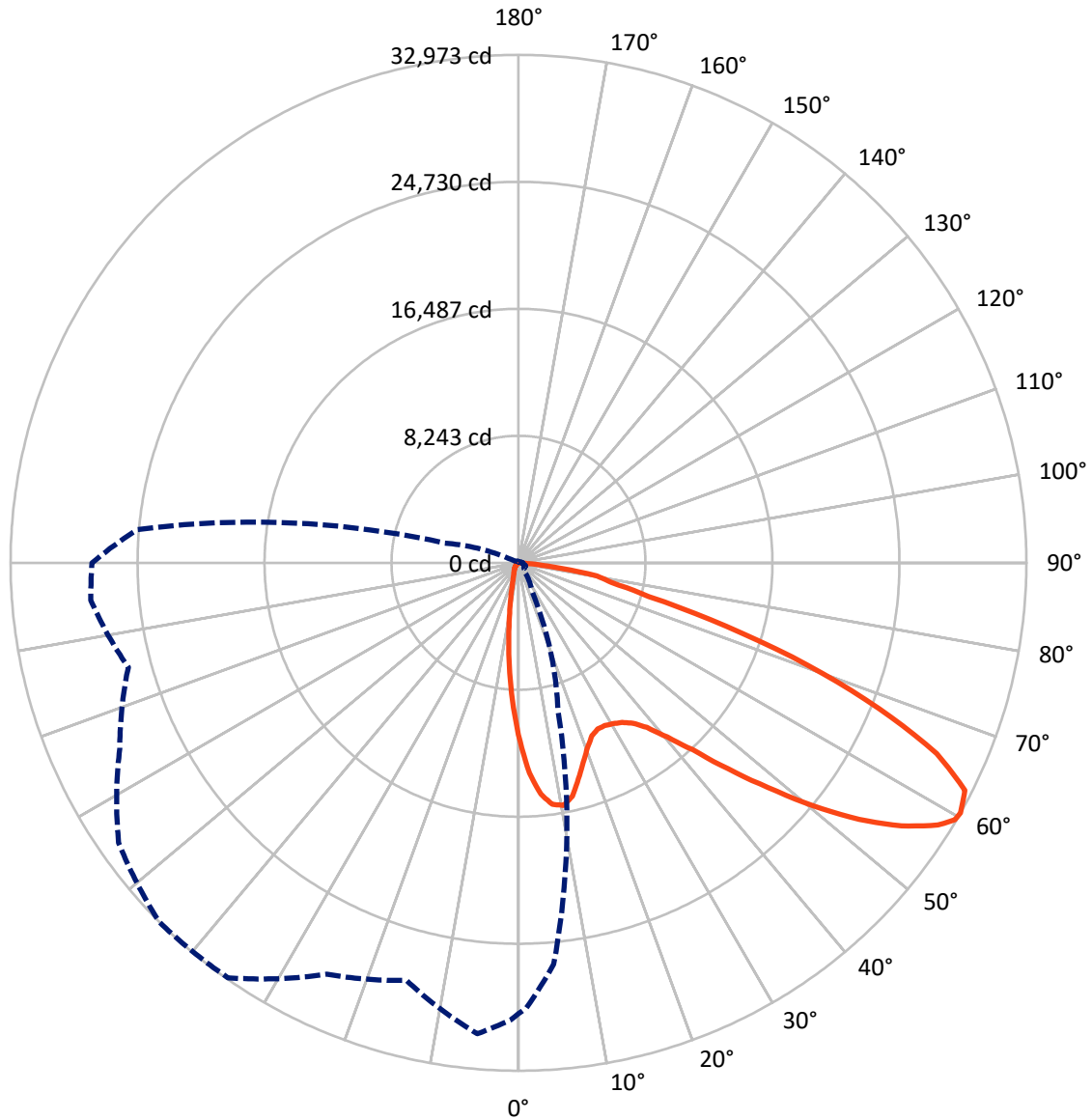
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 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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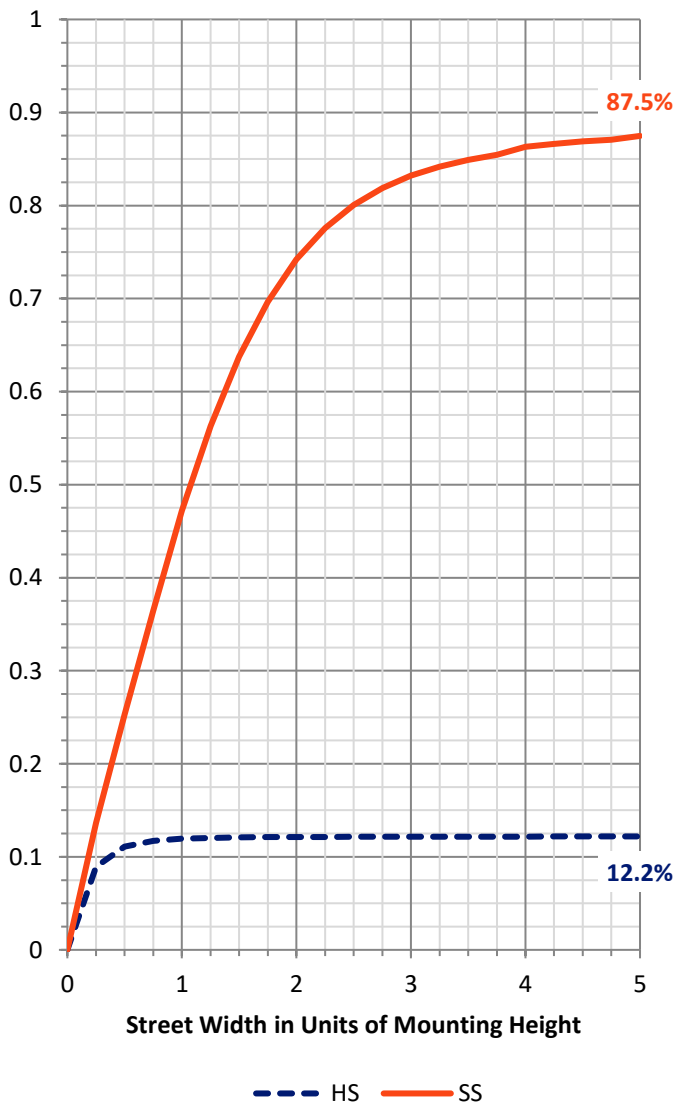
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4332.5	0.0	4332.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	30793.7	0.0	30793.7
	% Fixture	87.7	0.0	87.7
Total	Lumens	35126.2	0.0	35126.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	863.5	2.5
10°-20°	1714.9	4.9
20°-30°	2514.5	7.2
30°-40°	3739.5	10.6
40°-50°	5442.1	15.5
50°-60°	7848.0	22.3
60°-70°	8632.0	24.6
70°-80°	3866.4	11.0
80°-90°	505.2	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°	35126.2	100.0
0°-180°	35126.2	100.0

Coefficient of Utilization

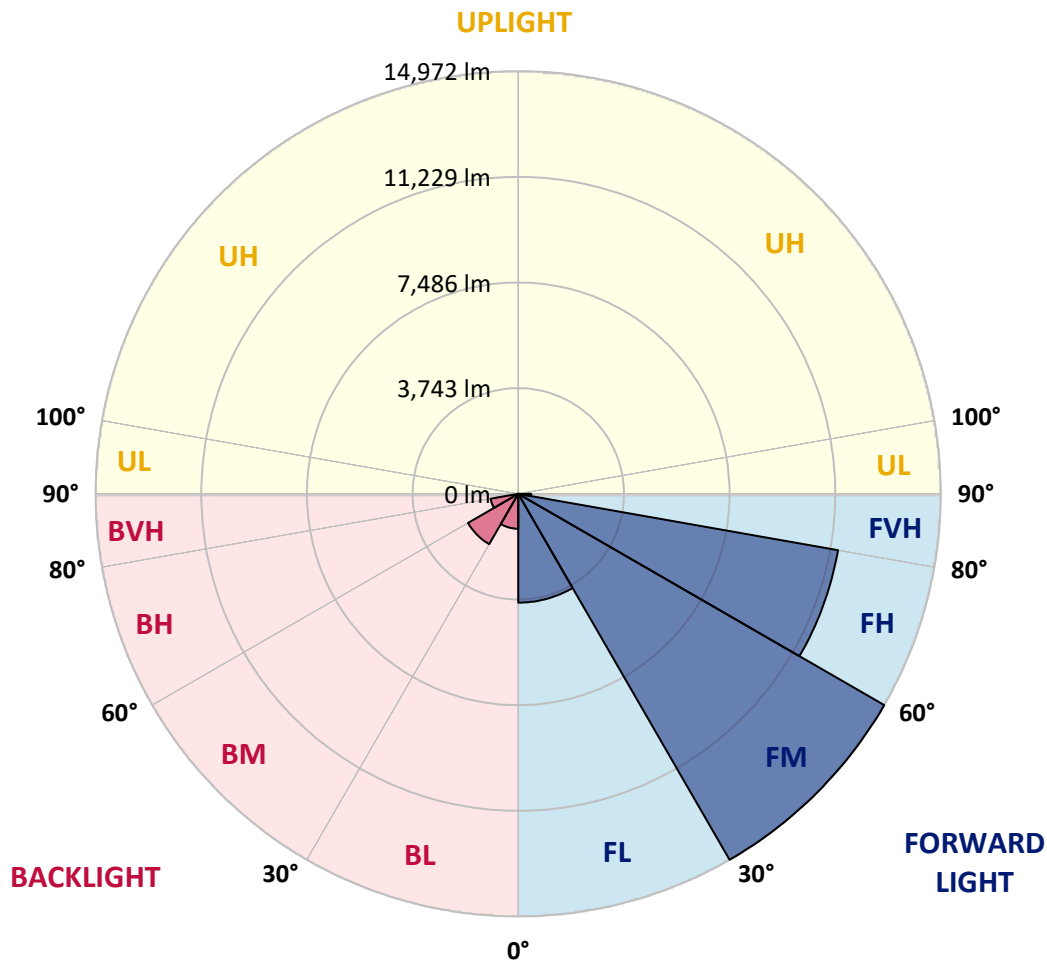


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3855.0	11.0			
FM (30°-60°)	14971.9	42.6			
FH (60°-80°)	11504.9	32.8			G4/12000
FVH (80°-90°)	462.0	1.3			G3/500
BL (0°-30°)	1237.9	3.5	B3/2500		
BM (30°-60°)	2057.8	5.9	B2/2500		
BH (60°-80°)	993.5	2.8	B2/1000		G2/1000
BVH (80°-90°)	43.2	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7
2.5°	12763.2	12707.2	12579.0	12189.1	11850.0	11406.7	10958.2	10605.7	10389.5	9991.6	9810.1
5°	12365.4	12392.1	12020.9	11219.8	10328.0	9719.2	9054.4	8525.7	7943.6	7575.1	7187.9
7.5°	11326.6	11273.2	10870.1	9754.0	8669.9	7788.7	6947.6	6264.1	5834.2	5489.8	5201.4
10°	10437.5	10397.5	9882.2	8445.6	7281.4	6621.9	6053.1	5455.1	4993.1	4488.5	4085.3
12.5°	9879.4	9788.7	9195.9	7695.3	6747.4	6133.2	5513.8	4891.6	4253.5	3743.5	3254.9
15°	9692.5	9561.7	8902.2	7436.3	6405.6	5625.9	4849.0	4133.4	3399.1	2835.6	2467.2
17.5°	10031.6	9815.4	9113.1	7390.9	5997.1	4963.8	4007.9	3076.0	2312.4	1882.4	1655.5
20°	10808.7	10560.3	9647.2	7345.5	5543.2	4221.5	3046.6	2173.5	1599.4	1364.5	1238.9
22.5°	11962.1	11620.3	10437.5	7417.6	5124.0	3497.9	2200.2	1535.3	1271.0	1124.2	1036.0
25°	13348.0	13062.2	11438.8	7673.9	4792.9	2929.1	1700.8	1255.0	1070.8	979.9	913.2
27.5°	14867.2	14410.6	12733.9	7981.0	4491.1	2488.5	1492.6	1121.5	953.2	870.5	835.8
30°	15948.6	15593.5	13817.9	8194.6	4114.7	2157.5	1364.5	1105.4	955.9	857.1	793.0
32.5°	17016.7	16562.8	14725.7	8293.4	3839.7	1927.8	1180.2	964.0	838.4	787.7	723.6
35°	18159.5	17684.2	15630.9	8240.0	3634.1	1775.6	1070.8	859.8	718.2	632.8	568.8
37.5°	19315.7	18813.7	16530.8	8047.8	3505.9	1714.2	985.2	817.1	678.2	590.1	520.7
40°	20688.1	20017.9	17374.5	7890.2	3372.4	1682.2	929.2	790.4	648.9	555.4	485.9
42.5°	21809.6	21171.4	18172.9	7807.4	3281.6	1607.4	929.2	769.0	630.2	526.0	453.9
45°	22872.3	22210.1	19035.3	7874.2	3244.2	1513.9	939.9	766.3	616.8	504.6	432.5
47.5°	23761.5	23187.4	19921.8	8125.2	3196.1	1412.5	883.8	803.7	608.8	485.9	411.2
50°	24810.8	24255.4	21093.9	8632.5	3110.7	1311.1	814.4	865.1	606.1	470.0	392.5
52.5°	26290.0	25689.3	22712.1	9209.3	2974.5	1156.2	750.3	857.1	595.5	443.3	373.8
55°	28097.7	27611.8	24586.5	9900.8	2787.6	982.6	648.9	761.0	563.4	397.8	341.8
57.5°	29256.6	28842.7	25991.0	10199.9	2501.9	803.7	571.4	638.1	515.4	355.1	304.4
59°	29392.7	29018.9	26284.7	10101.1	2315.0	734.3	534.0	547.4	502.0	331.1	283.1
60°	29277.9	28890.7	26167.2	9908.9	2141.4	686.2	502.0	485.9	504.6	317.7	267.0
62.5°	28541.0	27878.8	25027.1	8934.3	1871.8	630.2	445.9	397.8	445.9	285.7	237.6
65°	27117.8	26124.5	22770.8	7561.8	1765.0	598.1	379.1	333.8	339.1	251.0	205.6
67.5°	24631.9	23379.6	19766.9	6144.0	1719.5	600.8	320.4	299.0	261.7	213.6	181.6
70°	20701.5	19451.8	15860.5	5054.6	1698.2	600.8	272.3	256.4	218.9	178.9	157.5
72.5°	14669.7	13323.9	10699.2	3970.4	1530.0	598.1	232.3	232.3	178.9	149.6	128.2
75°	8288.1	8298.8	6726.0	2808.9	1271.0	494.0	186.9	184.2	130.8	114.8	96.2
77.5°	4830.2	4744.8	4533.9	1206.9	590.1	224.3	130.8	112.1	90.7	82.8	69.5
80°	2483.2	2042.6	1989.2	437.9	210.9	141.5	90.7	64.0	58.7	53.4	48.1
82.5°	734.3	737.0	656.9	176.3	117.4	93.5	45.4	34.7	32.0	29.4	29.4
85°	50.7	32.0	37.3	53.4	72.1	37.3	2.7	8.0	8.0	10.6	13.4
87.5°	5.3	2.7	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°	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7
2.5°	9609.8	9727.3	9508.3	9513.7	9332.1	9390.8	9177.2	9246.6	9121.2	9217.2	9500.3
5°	7230.7	7257.4	7081.1	7025.1	7051.8	7161.2	7204.0	7009.1	7091.9	6929.0	6918.3
7.5°	5094.6	5126.6	5025.1	5011.8	5204.1	5158.7	5241.5	5041.2	4851.6	4934.4	4782.2
10°	3957.1	3823.6	3615.3	3556.6	3519.2	3543.2	3543.2	3361.7	3335.0	3262.9	3372.4
12.5°	3124.0	2961.1	2763.6	2496.6	2429.8	2424.5	2325.7	2165.5	2114.7	2053.3	2144.1
15°	2269.6	2202.8	2037.3	1887.8	1735.6	1706.2	1546.0	1415.2	1241.6	1217.6	1209.6
17.5°	1596.8	1498.0	1495.3	1409.8	1321.7	1263.0	1113.4	964.0	897.2	889.2	889.2
20°	1196.2	1161.5	1105.4	1094.7	1068.0	1001.3	867.8	787.7	755.7	758.3	769.0
22.5°	1006.6	982.6	931.8	907.8	897.2	838.4	739.6	686.2	670.2	670.2	672.9
25°	899.8	878.4	822.4	785.0	771.6	729.0	651.5	611.4	598.1	598.1	598.1
27.5°	819.7	793.0	734.3	702.3	678.2	630.2	582.1	542.1	528.7	528.7	531.3
30°	763.7	734.3	680.9	638.1	600.8	558.0	518.0	483.3	467.3	464.6	467.3
32.5°	688.9	662.2	608.8	582.1	539.3	488.7	456.6	424.5	408.5	411.2	408.5
35°	536.7	528.7	491.3	499.3	475.3	432.5	403.2	368.5	349.8	347.1	352.4
37.5°	488.7	456.6	413.9	416.6	408.5	392.5	344.4	307.1	293.7	293.7	296.4
40°	451.2	419.2	371.1	347.1	349.8	349.8	299.0	259.0	245.6	243.0	248.3
42.5°	419.2	387.2	333.8	293.7	283.1	296.4	253.7	213.6	200.3	194.9	200.3
45°	397.8	363.2	301.7	256.4	224.3	240.3	208.3	176.3	160.2	160.2	157.5
47.5°	376.5	344.4	277.7	221.6	186.9	178.9	170.9	141.5	125.5	122.9	125.5
50°	357.8	325.7	251.0	192.2	157.5	138.8	138.8	112.1	101.5	96.2	98.8
52.5°	339.1	304.4	227.0	170.9	136.2	112.1	98.8	90.7	82.8	80.1	82.8
55°	312.4	277.7	203.0	146.9	117.4	93.5	77.4	74.8	69.5	64.0	69.5
57.5°	280.4	248.3	178.9	125.5	93.5	72.1	64.0	61.4	56.1	53.4	53.4
59°	261.7	232.3	165.5	109.5	82.8	64.0	58.7	56.1	50.7	45.4	48.1
60°	251.0	227.0	157.5	101.5	74.8	58.7	53.4	50.7	45.4	42.8	45.4
62.5°	221.6	203.0	138.8	82.8	58.7	42.8	37.3	40.1	37.3	34.7	37.3
65°	194.9	178.9	117.4	64.0	45.4	29.4	26.7	34.7	32.0	29.4	32.0
67.5°	173.6	154.9	98.8	48.1	32.0	16.1	18.7	29.4	29.4	26.7	29.4
70°	149.6	133.5	80.1	34.7	16.1	8.0	13.4	21.4	26.7	24.0	26.7
72.5°	122.9	104.1	61.4	24.0	8.0	0.0	8.0	18.7	26.7	24.0	26.7
75°	96.2	77.4	45.4	13.4	0.0	0.0	2.7	16.1	26.7	24.0	26.7
77.5°	69.5	56.1	26.7	2.7	0.0	0.0	2.7	16.1	26.7	24.0	26.7
80°	45.4	40.1	10.6	0.0	0.0	0.0	2.7	16.1	26.7	26.7	29.4
82.5°	29.4	21.4	0.0	0.0	0.0	0.0	5.3	21.4	29.4	32.0	32.0
85°	13.4	0.0	0.0	0.0	0.0	0.0	10.6	26.7	34.7	34.7	34.7
87.5°	0.0	0.0	0.0	0.0	0.0	5.3	18.7	32.0	40.1	40.1	40.1
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°	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7
2.5°	9548.4	9716.6	9954.2	10320.0	10616.4	11083.7	11441.5	11930.1	12424.1	12573.6	12805.9
5°	7027.7	7244.1	7783.4	8274.7	8584.4	9572.4	10197.2	11182.5	12066.3	12490.8	12952.8
7.5°	4881.0	5137.3	5548.5	6234.7	6886.3	7689.9	8699.3	9826.0	11121.0	11727.1	12378.7
10°	3425.8	3746.2	4325.6	4889.0	5708.7	6472.4	7468.3	8712.6	10141.1	10856.7	11673.7
12.5°	2162.8	2448.5	3214.8	3847.7	4870.3	5756.8	6675.3	7802.1	9457.5	10191.8	11049.0
15°	1236.3	1476.6	1834.4	2646.1	3780.9	4953.1	6098.6	7406.9	9107.8	10012.9	10939.5
17.5°	921.2	985.2	1145.5	1604.8	2638.1	4007.9	5567.2	7286.8	9345.4	10408.1	11465.5
20°	774.3	817.1	891.8	1073.4	1682.2	3086.7	5049.2	7308.1	10114.4	11449.5	12453.5
22.5°	694.2	720.9	782.4	899.8	1148.2	2248.2	4443.1	7433.6	11046.3	12728.4	13887.3
25°	608.8	643.5	696.9	798.3	955.9	1559.3	3845.0	7714.0	12352.0	14351.9	15441.3
27.5°	542.1	574.1	627.5	720.9	838.4	1190.9	3148.1	7954.3	13729.7	15986.0	16877.9
30°	475.3	507.3	560.7	635.5	742.3	964.0	2397.8	8095.8	15067.5	17211.6	17897.8
32.5°	419.2	445.9	496.7	563.4	651.5	817.1	1890.5	7948.9	16090.2	18325.1	18784.3
35°	363.2	395.2	437.9	499.3	576.8	696.9	1572.7	7441.6	16968.6	19470.5	19636.1
37.5°	304.4	341.8	387.2	443.3	504.6	640.8	1263.0	6880.9	17908.5	20899.1	20626.7
40°	256.4	291.0	333.8	395.2	451.2	587.4	971.9	6282.8	18923.2	22239.5	21708.1
42.5°	208.3	245.6	296.4	352.4	445.9	512.6	753.0	5663.4	19833.7	23406.3	22685.4
45°	165.5	197.6	251.0	323.1	443.3	440.6	582.1	5051.8	20519.9	24239.4	23414.3
47.5°	130.8	157.5	210.9	315.1	408.5	373.8	467.3	4672.7	21240.8	24989.7	23972.4
50°	104.1	130.8	181.6	328.4	357.8	320.4	392.5	4734.1	21937.7	25371.5	24202.0
52.5°	88.1	114.8	157.5	259.0	275.0	280.4	344.4	5017.2	22837.6	25780.0	24658.6
55°	77.4	101.5	133.5	181.6	213.6	251.0	315.1	5222.8	24041.8	26655.8	25665.3
57.5°	61.4	88.1	120.2	154.9	176.3	218.9	291.0	5238.8	25131.2	27780.0	27002.9
59°	56.1	80.1	112.1	146.9	157.5	197.6	275.0	5102.6	25171.3	27948.2	27617.1
60°	50.7	77.4	106.8	136.2	149.6	186.9	261.7	4945.0	24808.1	27681.2	27870.7
62.5°	42.8	66.8	93.5	109.5	128.2	154.9	227.0	4373.7	23048.5	26471.6	27400.9
65°	37.3	58.7	80.1	90.7	106.8	133.5	200.3	3500.6	21104.7	24832.1	26055.1
67.5°	34.7	53.4	69.5	77.4	93.5	122.9	178.9	2472.6	18586.7	22752.1	24033.8
70°	32.0	50.7	61.4	72.1	82.8	104.1	152.2	1441.9	14317.2	19104.7	20458.5
72.5°	32.0	48.1	53.4	61.4	72.1	93.5	141.5	779.7	9788.7	14573.5	16322.5
75°	32.0	45.4	48.1	53.4	64.0	85.4	125.5	408.5	6328.2	10125.1	12496.2
77.5°	32.0	42.8	48.1	50.7	61.4	74.8	109.5	256.4	4216.1	7091.9	8445.6
80°	34.7	42.8	45.4	50.7	58.7	69.5	90.7	170.9	2477.9	4266.9	5140.0
82.5°	37.3	42.8	48.1	53.4	61.4	66.8	80.1	106.8	1142.8	2822.3	3193.5
85°	40.1	45.4	50.7	56.1	64.0	66.8	74.8	77.4	186.9	1273.6	1722.2
87.5°	42.8	48.1	53.4	58.7	69.5	69.5	69.5	69.5	64.0	136.2	347.1
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: P649595

CATALOG NUMBER: GLAN-SA8D-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7	11609.7
2.5°	13099.6	13401.4	13612.3	13665.7	13513.5	13444.1	13251.8	12952.8	12771.2	12763.2
5°	13804.5	14512.1	15003.5	15086.2	14792.5	14295.9	13705.7	12944.8	12498.9	12365.4
7.5°	13684.4	14923.4	15713.7	15828.5	15334.5	14386.6	13243.8	12018.3	11532.3	11326.6
10°	13190.4	14701.7	15831.2	16012.7	15353.2	14018.1	12565.6	11198.5	10595.1	10437.5
12.5°	12768.5	14295.9	15299.8	15550.8	15051.5	13719.1	12159.8	10672.4	10026.3	9879.4
15°	12584.3	13815.3	14429.4	14557.5	14474.8	13532.2	12117.0	10592.3	9852.7	9692.5
17.5°	12768.5	13406.7	13484.1	13615.0	13799.2	13513.5	12528.2	11027.6	10229.3	10031.6
20°	13251.8	13051.6	12731.2	12787.3	13209.1	13590.9	13259.9	11991.5	11019.6	10808.7
22.5°	14074.2	12963.4	12237.2	12189.1	12723.1	13849.9	14333.2	13297.2	12170.4	11962.1
25°	15083.6	13185.1	12055.6	11951.5	12533.6	14229.1	15500.0	14896.7	13665.7	13348.0
27.5°	16183.6	13644.3	12055.6	11954.1	12517.5	14565.5	16498.7	16311.8	15214.4	14867.2
30°	16787.1	14023.5	12229.1	12114.3	12715.1	14760.4	17032.8	17569.4	16378.6	15948.6
32.5°	17326.5	14549.5	12568.2	12352.0	13129.0	15048.8	17510.7	18637.4	17305.1	17016.7
35°	17823.1	15112.9	13035.5	12784.6	13673.7	15444.0	18039.4	19758.9	18594.8	18159.5
37.5°	18370.4	15767.1	13764.5	13550.9	14584.2	16213.0	18666.8	21232.8	19863.1	19315.7
40°	18965.9	16525.4	14963.4	14872.6	16031.5	17083.4	19459.9	22805.5	21310.3	20688.1
42.5°	19572.0	17398.5	16432.0	16581.4	17670.9	18303.7	20274.2	24015.1	22495.8	21809.6
45°	20122.1	18514.7	18341.1	19080.7	19582.7	19494.6	20877.7	24866.8	23529.2	22872.3
47.5°	20816.3	20140.7	20650.8	21790.9	21804.2	20789.6	21334.3	25563.8	24418.2	23761.5
50°	21593.3	22060.6	23633.3	24794.8	24482.4	22063.2	21868.3	26388.8	25336.8	24810.8
52.5°	22493.2	24210.0	26388.8	27678.5	26949.5	23451.7	22757.5	27280.7	26794.7	26290.0
55°	23539.8	25675.9	29136.4	30164.4	29430.1	25176.6	24108.6	28490.2	28442.2	28097.7
57.5°	24722.7	27224.6	30727.8	32118.9	31464.8	27200.6	25996.3	29630.4	29448.8	29256.6
59°	25657.2	28020.3	31430.0	32871.9	32476.7	28618.4	27264.6	30340.6	29681.1	29392.7
60°	26223.3	28559.6	31689.0	32973.4	32882.6	29462.2	28068.4	30687.7	29678.4	29277.9
62.5°	27902.8	29502.2	31590.2	32522.1	32877.2	31080.2	30426.0	31069.6	29128.4	28541.0
65°	28500.9	29189.8	29953.4	29838.6	30143.0	30997.5	31932.0	30650.4	27953.5	27117.8
67.5°	27336.7	25764.0	26033.7	25267.4	25117.9	27558.3	31320.5	28599.7	25654.5	24631.9
70°	23043.1	19737.6	19601.4	19953.8	18987.3	22311.6	28124.4	24650.6	21860.3	20701.5
72.5°	18138.1	13948.8	12800.6	14098.2	14068.9	17022.0	23363.5	17492.0	14768.5	14669.7
75°	14263.8	9711.2	8523.0	8734.0	9139.8	12322.6	18608.1	11107.7	9094.5	8288.1
77.5°	9575.1	6880.9	6419.0	6159.9	6597.9	7911.6	11772.6	6023.8	5099.9	4830.2
80°	5519.1	4998.4	5676.7	5153.3	5388.3	4985.1	5855.6	2763.6	2293.6	2483.2
82.5°	3591.3	2846.4	3033.3	2253.6	3081.3	3108.0	1879.7	817.1	691.5	734.3
85°	2245.6	1335.1	750.3	534.0	1062.7	1954.5	587.4	50.7	58.7	50.7
87.5°	582.1	221.6	93.5	138.8	170.9	152.2	136.2	8.0	2.7	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)