

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: P649153

Luminaire Tested: **GLAN-SA9C-835-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649153
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-SA9C-835-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 1050mA 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: 27589 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 481
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

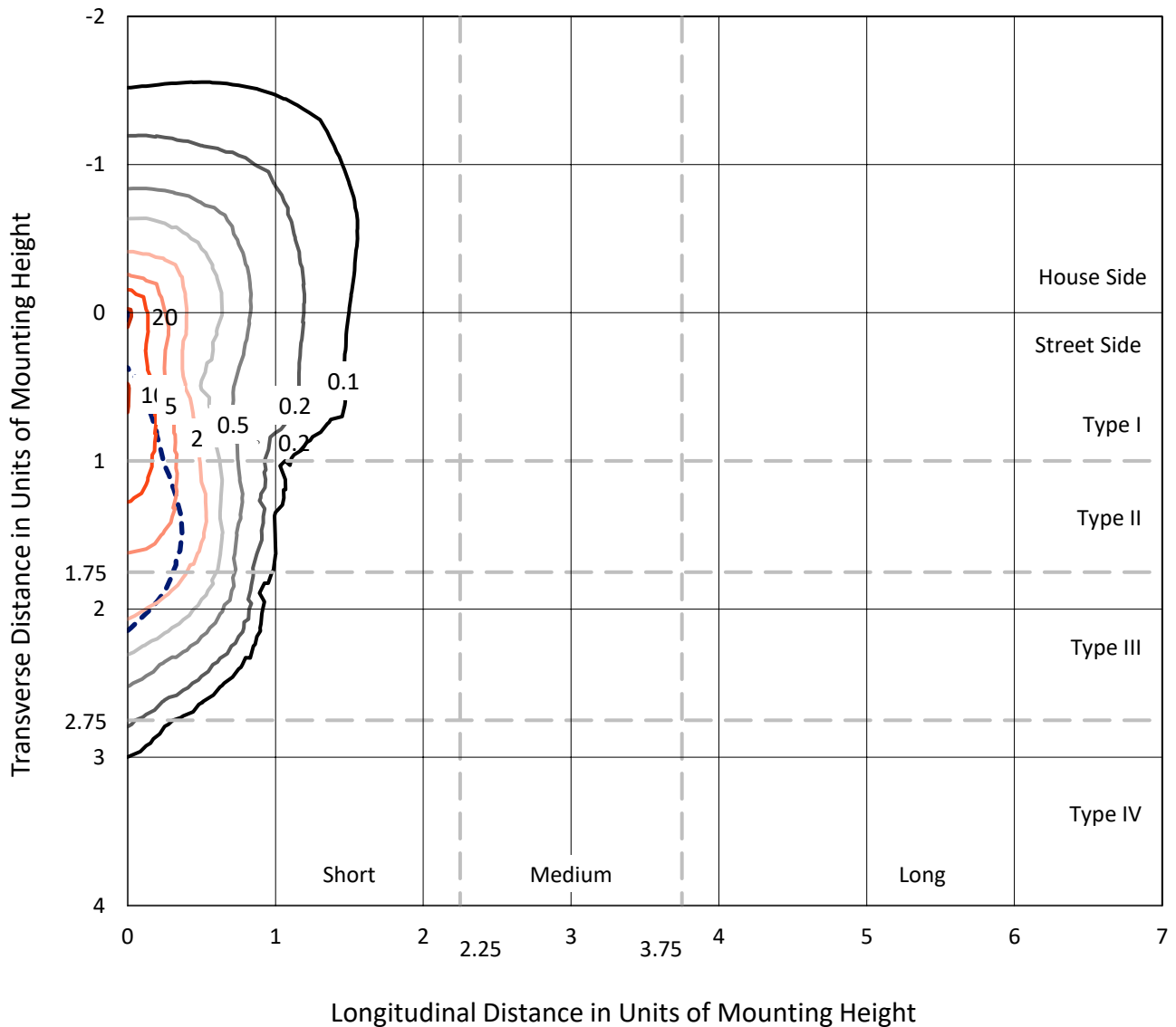




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Iso-Footcandle Lines of Horizontal Illumination

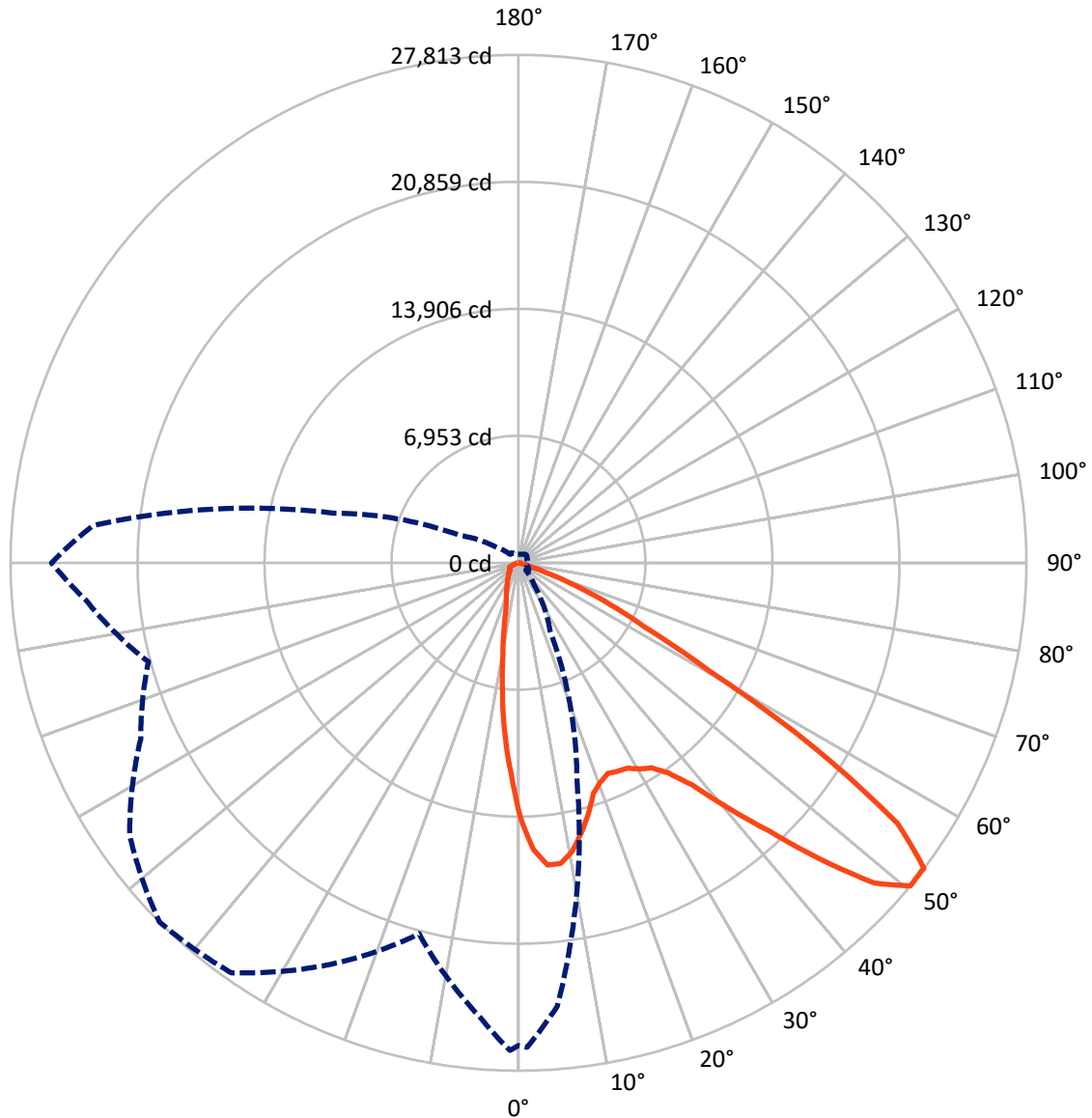
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.4 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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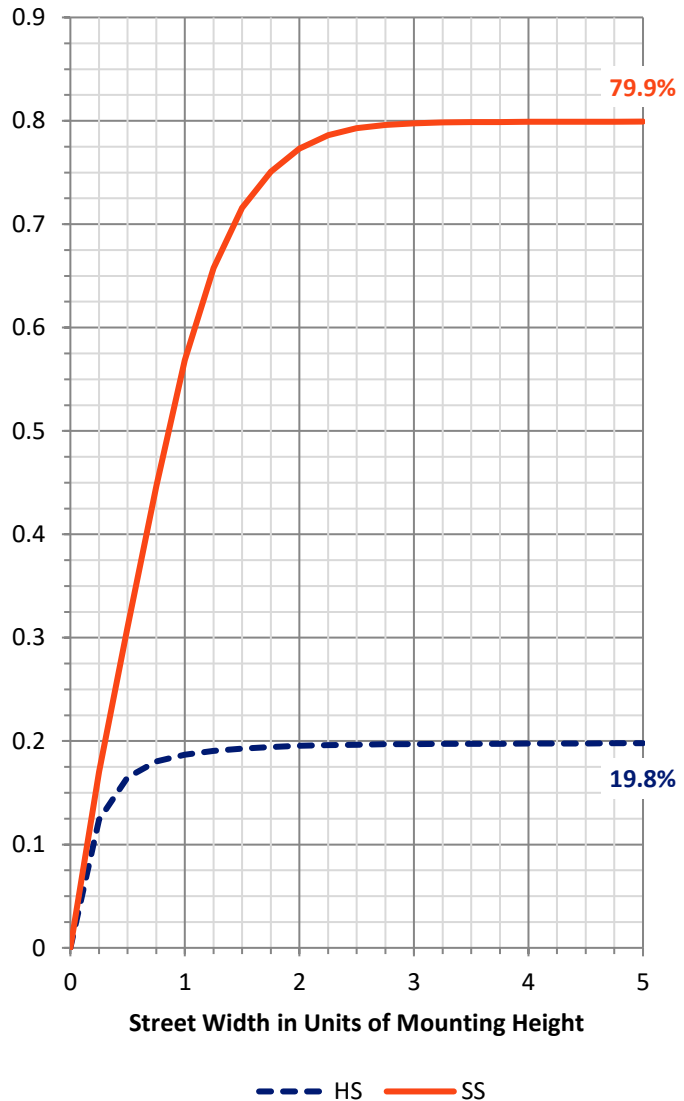
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5526.1	0.0	5526.1
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	22062.9	0.0	22062.9
	% Fixture	80.0	0.0	80.0
Total	Lumens	27589.0	0.0	27589.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1019.8	3.7
10°-20°	2026.8	7.3
20°-30°	3044.9	11.0
30°-40°	4570.3	16.6
40°-50°	6423.2	23.3
50°-60°	6928.6	25.1
60°-70°	3216.9	11.7
70°-80°	302.7	1.1
80°-90°	55.8	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°	27589.0	100.0
0°-180°	27589.0	100.0

Coefficient of Utilization

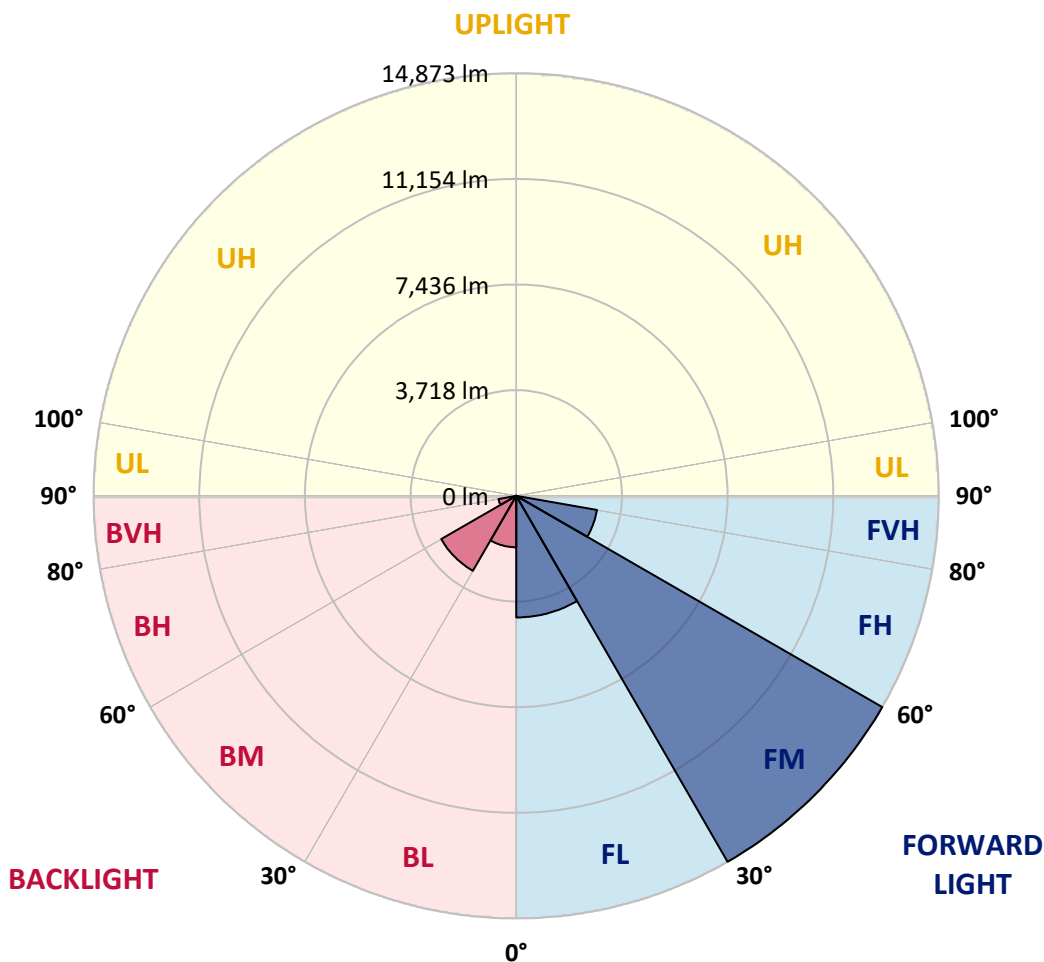


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4280.2	15.5			
FM (30°-60°)	14872.5	53.9			
FH (60°-80°)	2885.1	10.5			G2/5000
FVH (80°-90°)	25.1	0.1			G1/100
BL (0°-30°)	1811.3	6.6	B3/2500		
BM (30°-60°)	3049.6	11.1	B3/5000		
BH (60°-80°)	634.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	30.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1
2.5°	14544.0	14319.5	14034.9	13799.5	13449.2	12743.1	12551.5	12321.6	12130.0	11872.7	11511.4
5°	13224.8	13153.6	13022.2	12135.5	11495.1	10641.1	9940.5	9644.9	9256.2	8938.7	8708.8
7.5°	12217.6	11932.9	11516.9	10624.7	9601.1	8687.0	7909.7	7455.3	6940.8	6765.7	6453.6
10°	11139.3	11204.9	10591.9	9338.4	8101.2	7362.3	6880.6	6442.7	5977.4	5670.9	5227.5
12.5°	10794.4	10580.9	10110.2	8561.1	7504.6	6814.9	6229.2	5687.3	5194.7	4702.0	4275.0
15°	11018.8	10690.4	10033.5	8396.8	7044.8	6185.4	5452.0	4718.4	4264.1	3634.6	3191.3
17.5°	11823.5	11560.8	10679.4	8572.0	6809.4	5583.3	4494.0	3738.6	3043.4	2474.2	2249.7
20°	13164.6	12792.3	11686.6	8796.5	6459.1	4855.3	3645.6	2715.1	2058.2	1817.3	1691.4
22.5°	14478.3	14275.7	12879.9	9228.9	6147.1	4209.4	2736.9	1828.2	1538.1	1494.4	1412.2
25°	16979.8	16372.2	14702.7	10011.6	5906.2	3601.8	2063.6	1472.4	1302.8	1269.9	1280.9
27.5°	18468.7	17959.6	16388.7	10531.7	5638.1	3136.5	1746.2	1352.0	1237.1	1165.9	1138.6
30°	19897.4	19306.2	17226.2	10838.2	5063.3	2643.9	1549.1	1297.3	1269.9	1165.9	1133.1
32.5°	20997.6	20417.4	18435.8	11298.0	4827.9	2326.4	1275.4	1012.7	941.5	930.5	1029.1
35°	22683.5	22065.0	19470.4	11549.8	4647.3	2162.2	1105.7	903.2	821.1	788.2	793.7
37.5°	24254.5	23833.0	20428.3	11648.3	4455.7	2112.9	990.7	810.1	739.0	717.1	711.6
40°	25568.2	24626.8	21337.0	11752.3	4373.6	2019.8	919.6	739.0	689.7	656.9	656.9
42.5°	26170.4	25212.4	22355.1	11692.1	4351.7	1872.1	919.6	678.8	640.4	607.6	602.1
45°	26039.0	25650.4	22809.4	11664.7	4351.7	1724.2	837.5	662.3	607.6	563.8	552.9
47.5°	26378.4	25869.3	23378.7	11779.7	4264.1	1620.3	706.1	695.1	574.7	520.0	509.0
50°	26438.6	26537.1	24369.5	12376.3	4072.5	1488.9	552.9	684.3	552.9	470.7	459.8
52°	26832.7	26219.6	24670.5	12693.8	3870.0	1390.4	465.3	585.7	531.0	437.9	427.0
52.5°	26290.8	26690.4	24741.7	12808.8	3891.9	1324.7	448.8	574.7	520.0	437.9	410.5
55°	25683.2	26066.4	24451.6	13055.1	3568.9	1040.1	350.3	416.0	470.7	383.2	366.8
57.5°	22322.2	22710.9	21249.4	11954.8	2906.6	733.5	290.1	312.0	416.0	355.8	339.4
60°	19842.6	19563.5	17833.8	9973.3	2063.6	410.5	229.9	240.9	454.3	328.5	323.0
62.5°	18134.8	17538.2	14905.3	7701.7	1259.0	273.7	180.6	186.1	350.3	306.5	306.5
65°	13416.3	12748.6	9902.1	4658.2	618.6	191.6	136.9	147.8	218.9	262.8	262.8
67.5°	7657.9	7400.6	4784.1	2102.0	257.3	120.4	104.0	114.9	169.7	213.4	202.6
70°	3519.7	3158.4	1839.2	443.4	120.4	82.1	82.1	93.0	136.9	158.7	147.8
72.5°	1029.1	974.4	448.8	71.2	49.3	49.3	54.7	71.2	104.0	120.4	109.5
75°	76.7	49.3	32.8	21.9	21.9	32.8	43.8	71.2	104.0	114.9	93.0
77.5°	5.5	11.0	5.5	5.5	16.4	32.8	49.3	87.6	136.9	142.3	104.0
80°	5.5	5.5	0.0	5.5	16.4	32.8	54.7	98.5	153.2	164.2	87.6
82.5°	0.0	0.0	0.0	5.5	21.9	43.8	65.7	104.0	142.3	175.2	93.0
85°	0.0	0.0	0.0	5.5	32.8	60.2	76.7	27.4	16.4	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°	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1
2.5°	11768.7	11626.4	11571.6	11621.0	11604.5	11588.1	11889.2	11823.5	11812.5	11911.1	11889.2
5°	8834.7	8582.9	9272.7	8993.5	9283.6	9458.8	9491.6	9508.0	9710.5	9497.1	9776.2
7.5°	6294.9	6360.6	6355.1	6541.3	6875.1	7170.7	7345.9	7209.0	7198.1	7170.7	7050.3
10°	5030.5	4915.5	4893.6	4849.8	4953.8	5205.6	5419.1	5249.4	5129.0	5293.2	5243.9
12.5°	4110.8	3952.1	3864.5	3689.3	3694.8	3864.5	3864.5	3864.5	3984.9	4078.0	4149.2
15°	3152.9	3021.5	3021.5	2846.4	2808.1	2813.6	2901.1	2912.1	3103.7	3158.4	3185.8
17.5°	2205.9	2134.8	2216.9	2288.1	2244.2	2255.2	2288.1	2299.0	2326.4	2304.4	2359.3
20°	1696.9	1686.0	1707.8	1833.7	1926.8	1981.5	1943.2	1888.4	1855.6	1779.0	1779.0
22.5°	1439.6	1461.5	1499.8	1603.8	1724.2	1757.1	1713.3	1587.4	1488.9	1477.9	1483.4
25°	1280.9	1302.8	1363.0	1428.7	1494.4	1549.1	1505.3	1412.2	1357.5	1308.2	1308.2
27.5°	1182.3	1193.3	1226.1	1275.4	1330.2	1373.9	1357.5	1308.2	1248.0	1226.1	1176.8
30°	1105.7	1122.1	1160.5	1171.4	1220.7	1242.5	1215.2	1204.3	1165.9	1138.6	1122.1
32.5°	1067.4	1061.9	1089.3	1100.3	1105.7	1122.1	1089.3	1105.7	1100.3	1056.4	1040.1
35°	804.7	848.5	919.6	979.8	996.2	1018.1	1012.7	990.7	930.5	881.3	821.1
37.5°	722.6	749.9	788.2	837.5	903.2	930.5	919.6	864.9	793.7	760.8	749.9
40°	667.8	684.3	717.1	749.9	815.6	864.9	826.5	777.3	722.6	695.1	678.8
42.5°	618.6	624.1	640.4	673.3	722.6	799.2	733.5	667.8	645.9	629.5	618.6
45°	563.8	563.8	585.7	602.1	656.9	728.0	662.3	602.1	591.2	580.2	574.7
47.5°	520.0	525.5	536.4	558.4	602.1	651.4	607.6	558.4	531.0	525.5	514.5
50°	465.3	470.7	492.7	514.5	569.2	596.6	569.2	514.5	487.2	470.7	470.7
52°	421.5	437.9	459.8	503.6	541.9	585.7	552.9	492.7	459.8	443.4	432.5
52.5°	416.0	427.0	448.8	498.1	541.9	580.2	547.4	487.2	448.8	437.9	427.0
55°	372.2	388.6	427.0	487.2	536.4	580.2	536.4	481.7	427.0	399.6	388.6
57.5°	355.8	366.8	416.0	492.7	531.0	580.2	536.4	481.7	427.0	377.7	366.8
60°	339.4	361.3	416.0	476.2	525.5	585.7	541.9	476.2	416.0	355.8	355.8
62.5°	323.0	339.4	410.5	465.3	503.6	563.8	520.0	465.3	399.6	339.4	333.9
65°	279.1	306.5	361.3	388.6	432.5	487.2	443.4	405.0	350.3	301.1	295.6
67.5°	213.4	224.4	268.3	301.1	328.5	377.7	355.8	306.5	268.3	229.9	229.9
70°	147.8	158.7	191.6	208.0	235.4	262.8	246.3	208.0	180.6	158.7	153.2
72.5°	104.0	109.5	120.4	131.4	142.3	153.2	147.8	120.4	104.0	98.5	93.0
75°	82.1	93.0	98.5	93.0	87.6	82.1	82.1	71.2	60.2	54.7	54.7
77.5°	82.1	87.6	82.1	71.2	60.2	54.7	49.3	43.8	32.8	27.4	32.8
80°	71.2	71.2	71.2	60.2	54.7	49.3	43.8	38.3	32.8	27.4	27.4
82.5°	76.7	76.7	71.2	60.2	60.2	49.3	49.3	43.8	38.3	27.4	27.4
85°	0.0	0.0	0.0	11.0	27.4	49.3	49.3	43.8	38.3	32.8	32.8
87.5°	0.0	0.0	0.0	0.0	5.5	11.0	21.9	27.4	32.8	32.8	32.8
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°	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1
2.5°	12086.2	12294.2	12688.4	13082.4	13323.3	13607.9	14122.5	14396.2	14752.0	14927.1	15271.9
5°	9737.9	10230.6	10405.8	10854.6	11336.3	11818.0	12584.3	13427.3	14128.0	14609.7	15233.7
7.5°	7105.0	7220.0	7898.7	8199.8	8988.1	9863.8	10909.3	11971.3	12858.0	13646.3	14122.5
10°	5326.0	5747.5	6174.5	6749.2	7384.2	8287.4	9289.1	10460.5	11610.0	12398.3	13000.3
12.5°	4280.5	4614.5	5183.7	5802.3	6585.0	7181.7	8188.8	9349.3	10838.2	11610.0	12403.7
15°	3240.5	3667.5	4313.4	4953.8	5780.3	6409.9	7428.0	8889.5	10805.3	11867.2	12551.5
17.5°	2403.0	2693.1	3273.3	3990.4	4833.4	5720.1	7094.1	8840.2	11172.1	12436.5	13142.7
20°	1839.2	1937.8	2304.4	2944.9	3859.0	5019.5	6552.1	9053.7	12255.9	13821.4	14538.5
22.5°	1488.9	1532.6	1675.0	2118.4	3005.2	4406.4	6294.9	9201.5	13476.5	15480.0	16437.9
25°	1297.3	1286.3	1379.4	1571.0	2348.3	3831.7	5966.5	9759.9	14970.9	17428.6	18288.1
27.5°	1182.3	1182.3	1226.1	1363.0	1948.7	3459.5	5758.5	10159.4	16476.2	19142.0	19607.3
30°	1122.1	1133.1	1259.0	1302.8	1620.3	3016.1	5413.6	10564.5	17915.8	20236.7	20877.2
32.5°	1040.1	996.2	968.9	1078.3	1363.0	2616.5	5068.8	10734.1	19081.8	21577.8	22125.2
35°	799.2	777.3	810.1	892.2	1171.4	2277.1	4685.6	10925.7	20422.8	23132.4	23241.9
37.5°	722.6	717.1	739.0	810.1	985.3	1981.5	4411.9	10876.5	21446.4	24418.7	24123.1
40°	667.8	667.8	684.3	744.5	881.3	1773.5	4127.3	10832.7	22437.3	25863.8	24999.0
42.5°	624.1	624.1	651.4	689.7	837.5	1636.7	3913.8	10772.5	23269.3	26750.6	25513.5
45°	563.8	580.2	624.1	662.3	848.5	1543.6	3755.0	10542.6	23553.9	26739.7	25267.2
47.5°	520.0	541.9	585.7	640.4	766.3	1516.3	3645.6	10340.1	23455.3	26082.8	24495.4
50°	470.7	498.1	558.4	651.4	651.4	1461.5	3530.6	10520.7	23384.2	25573.7	23756.4
52°	437.9	459.8	536.4	634.9	569.2	1346.5	3459.5	10871.0	23674.3	25508.0	23428.0
52.5°	432.5	448.8	520.0	624.1	541.9	1324.7	3410.2	10953.2	23767.3	25343.8	23652.4
55°	383.2	405.0	476.2	487.2	443.4	1089.3	3251.5	11139.3	23307.6	25020.8	23438.9
57.5°	361.3	372.2	421.5	399.6	383.2	821.1	2797.1	10849.1	20702.1	22223.7	21807.7
60°	333.9	344.8	394.1	312.0	323.0	574.7	2102.0	9420.4	16624.0	18518.0	19267.9
62.5°	323.0	317.5	372.2	251.8	273.7	416.0	1483.4	7657.9	12808.8	15244.6	16541.9
65°	284.6	279.1	268.3	213.4	235.4	323.0	886.7	4997.6	9026.3	11533.4	12244.9
67.5°	218.9	229.9	197.1	169.7	197.1	251.8	492.7	2238.8	4734.9	6918.9	7493.7
70°	153.2	164.2	158.7	147.8	175.2	208.0	284.6	766.3	1959.6	3634.6	4006.8
72.5°	93.0	114.9	120.4	125.9	153.2	180.6	202.6	246.3	520.0	1286.3	1598.3
75°	54.7	76.7	93.0	109.5	125.9	153.2	169.7	175.2	180.6	240.9	388.6
77.5°	38.3	54.7	82.1	104.0	125.9	153.2	180.6	191.6	180.6	169.7	180.6
80°	32.8	54.7	76.7	98.5	131.4	158.7	180.6	180.6	175.2	153.2	164.2
82.5°	32.8	54.7	82.1	104.0	125.9	153.2	175.2	180.6	164.2	153.2	158.7
85°	38.3	60.2	87.6	109.5	136.9	125.9	114.9	93.0	87.6	71.2	76.7
87.5°	38.3	54.7	54.7	60.2	65.7	65.7	65.7	60.2	49.3	43.8	43.8
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: P649153

CATALOG NUMBER: GLAN-SA9C-835-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1	13991.1
2.5°	15288.4	15726.3	15709.9	15720.8	15655.1	15211.7	14998.3	14456.4	14609.7	14544.0
5°	15874.1	16306.5	16678.8	16635.0	16131.4	15529.2	14637.0	13794.0	13564.1	13224.8
7.5°	15288.4	16328.4	16673.3	16624.0	15879.6	15107.8	13684.6	12841.6	12442.0	12217.6
10°	14357.9	15562.1	15989.0	16076.6	15573.0	14401.6	13093.4	11741.4	11527.9	11139.3
12.5°	13826.9	14702.7	14965.5	15200.8	15025.7	14149.8	12644.5	11347.2	11051.7	10794.4
15°	13394.5	13914.5	14023.9	14292.2	14396.2	13925.4	12879.9	11774.2	11046.2	11018.8
17.5°	13794.0	13580.6	13180.9	13263.1	13591.5	13930.9	13487.5	12617.2	11911.1	11823.5
20°	14456.4	13514.9	12611.7	12814.3	13087.9	14128.0	14407.1	13794.0	13389.0	13164.6
22.5°	15217.2	13629.8	12431.1	12529.6	13049.6	14571.3	15896.0	15556.6	14801.2	14478.3
25°	16624.0	13947.3	12573.4	12639.0	13350.7	15189.9	17242.5	17494.3	17045.5	16979.8
27.5°	17998.0	14768.4	12885.4	12737.6	13503.9	15792.0	18058.2	19410.2	18621.9	18468.7
30°	18698.6	15436.2	13350.7	13098.9	14138.9	16158.8	18550.8	20658.2	19968.5	19897.4
32.5°	19771.5	16043.8	13712.0	13389.0	14494.7	16613.1	19470.4	22021.2	21353.4	20997.6
35°	20220.3	16706.1	14505.6	14128.0	15512.8	17248.0	19941.1	23236.4	23028.4	22683.5
37.5°	21085.2	17417.8	15441.7	15419.8	16744.5	18074.6	20789.6	24889.5	24851.2	24254.5
40°	21156.3	18195.0	16919.6	17609.3	18649.3	19514.2	21534.1	25349.3	25973.3	25568.2
42.5°	21265.8	19558.0	19475.9	20045.2	20937.4	20751.3	21561.4	25458.8	26411.2	26170.4
45°	21315.1	20921.0	22076.0	23126.9	23499.2	22371.6	21304.1	25250.7	26641.1	26039.0
47.5°	20921.0	22092.3	24177.9	26208.7	26318.2	23367.8	21194.6	25037.3	26778.0	26378.4
50°	20975.7	22825.9	25995.2	27812.6	27412.9	24249.0	21025.0	24905.9	26706.8	26438.6
52°	20844.3	22842.3	26252.5	27779.7	27500.5	23761.9	20734.9	24402.4	26641.1	26832.7
52.5°	20992.2	22743.7	25984.2	27801.6	27440.3	24002.7	20696.6	24681.5	26679.5	26290.8
55°	20483.0	21572.4	24413.2	25185.1	25130.3	21785.8	19519.6	23756.4	25677.7	25683.2
57.5°	18512.5	18698.6	19147.5	19131.0	18879.2	17127.6	16695.2	21846.0	22891.6	22322.2
60°	16312.0	13690.1	12480.3	11987.7	11708.5	11423.9	14768.4	19985.0	20083.5	19842.6
62.5°	14095.1	9491.6	7882.3	7745.4	7811.1	8851.2	14275.7	19246.0	18654.8	18134.8
65°	11374.6	6918.9	5725.6	5545.0	6185.4	7307.6	11555.3	14757.4	13848.8	13416.3
67.5°	7143.3	5046.9	3870.0	3530.6	4302.4	5030.5	7592.2	9272.7	8254.5	7657.9
70°	4236.7	2819.0	1751.6	1571.0	1768.0	2682.2	4253.2	4625.4	3826.2	3519.7
72.5°	1669.5	1034.6	487.2	416.0	432.5	941.5	1565.5	1527.2	1155.0	1029.1
75°	448.8	312.0	169.7	136.9	114.9	175.2	251.8	164.2	60.2	76.7
77.5°	208.0	186.1	147.8	114.9	87.6	65.7	32.8	11.0	11.0	5.5
80°	180.6	158.7	136.9	114.9	87.6	54.7	27.4	5.5	5.5	5.5
82.5°	169.7	147.8	125.9	104.0	82.1	54.7	27.4	5.5	0.0	0.0
85°	71.2	93.0	104.0	98.5	87.6	54.7	27.4	5.5	0.0	0.0
87.5°	38.3	32.8	27.4	21.9	16.4	11.0	11.0	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

(END OF REPORT)