

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: P649096

Luminaire Tested: **GLAN-SA8C-835-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P649096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-835-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31922.9 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 429
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

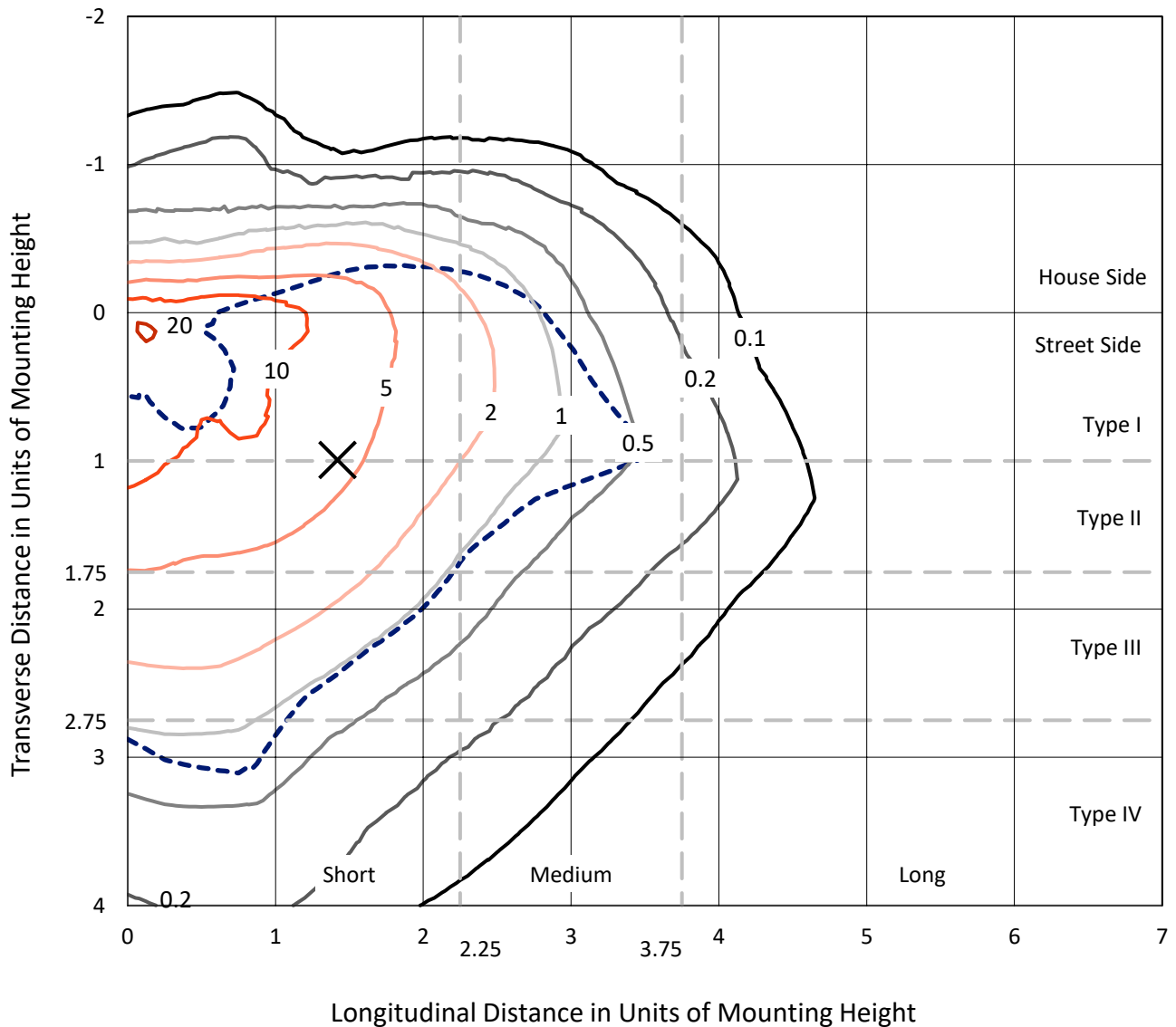




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Iso-Footcandle Lines of Horizontal Illumination

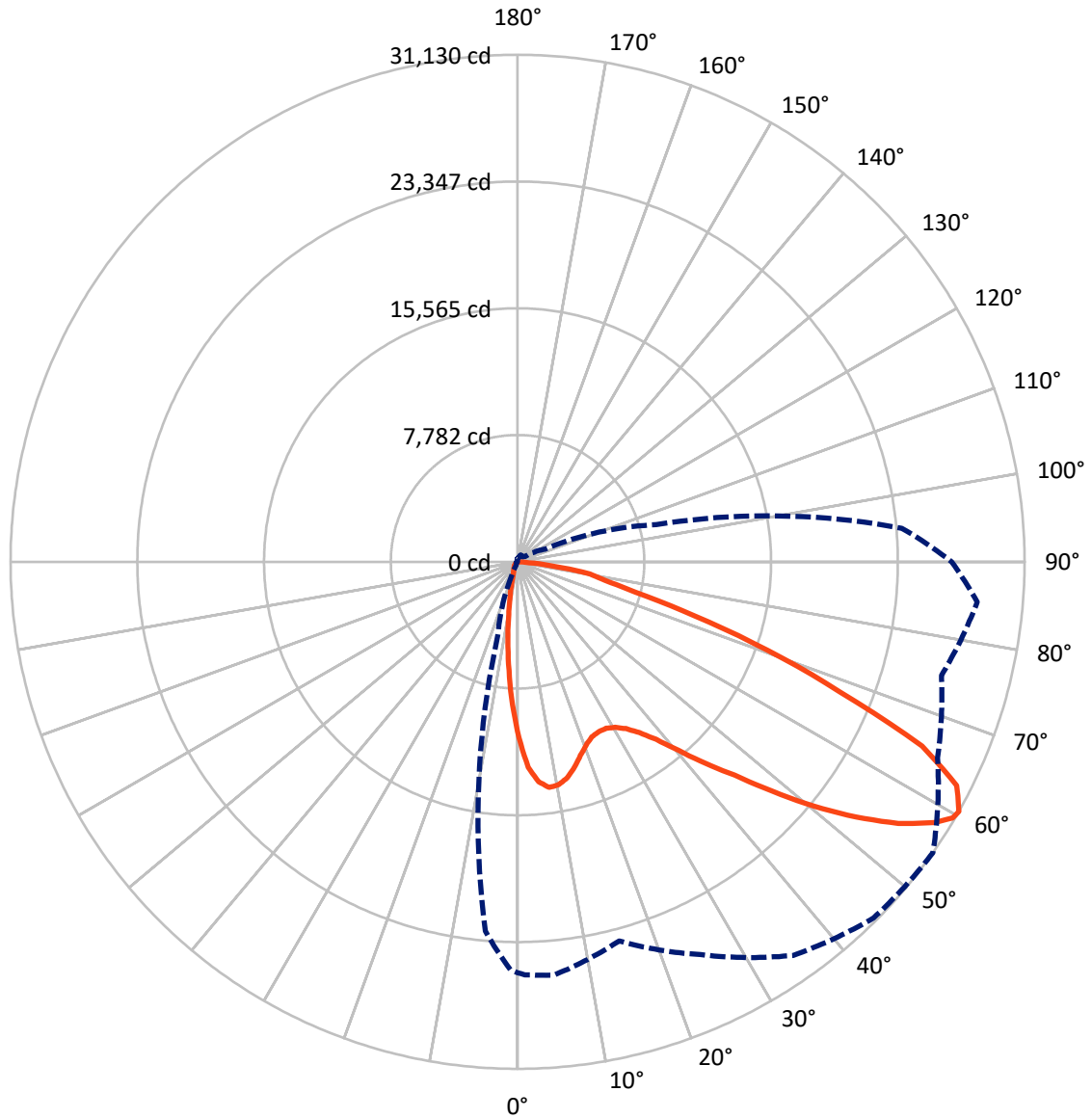
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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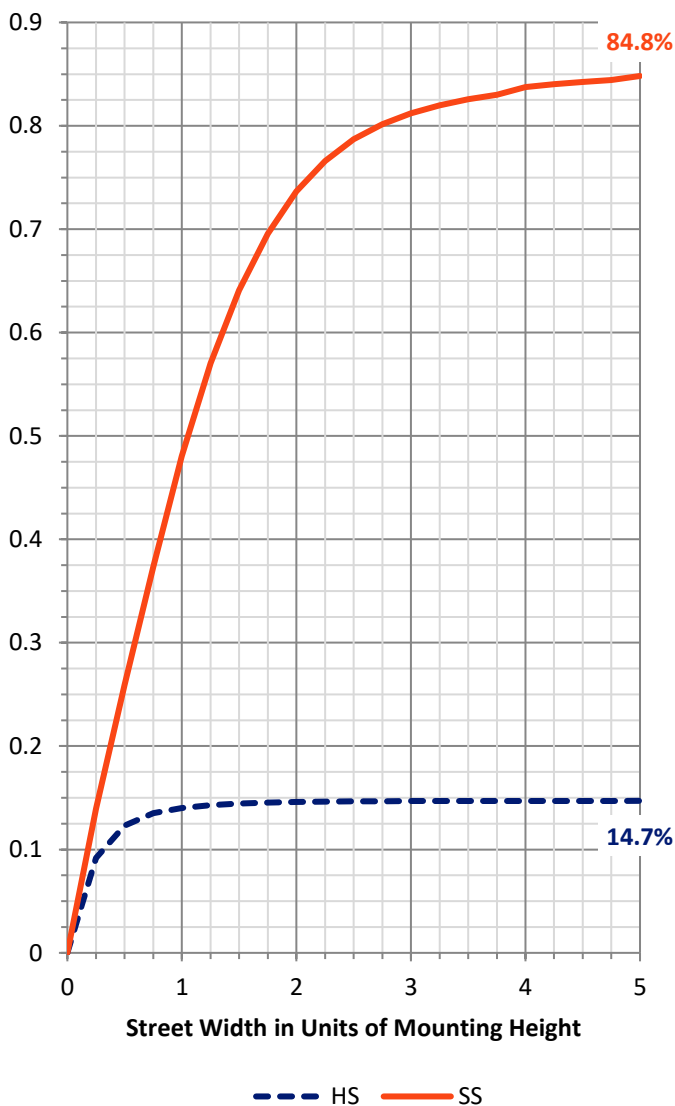
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4737.6	0.0	4737.6
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	27185.3	0.0	27185.3
	% Fixture	85.2	0.0	85.2
Total	Lumens	31922.9	0.0	31922.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.4	2.5
10°-20°	1576.2	4.9
20°-30°	2333.1	7.3
30°-40°	3477.7	10.9
40°-50°	5093.1	16.0
50°-60°	7352.9	23.0
60°-70°	7734.9	24.2
70°-80°	3181.9	10.0
80°-90°	372.7	1.2
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°	31922.9	100.0
0°-180°	31922.9	100.0

Coefficient of Utilization

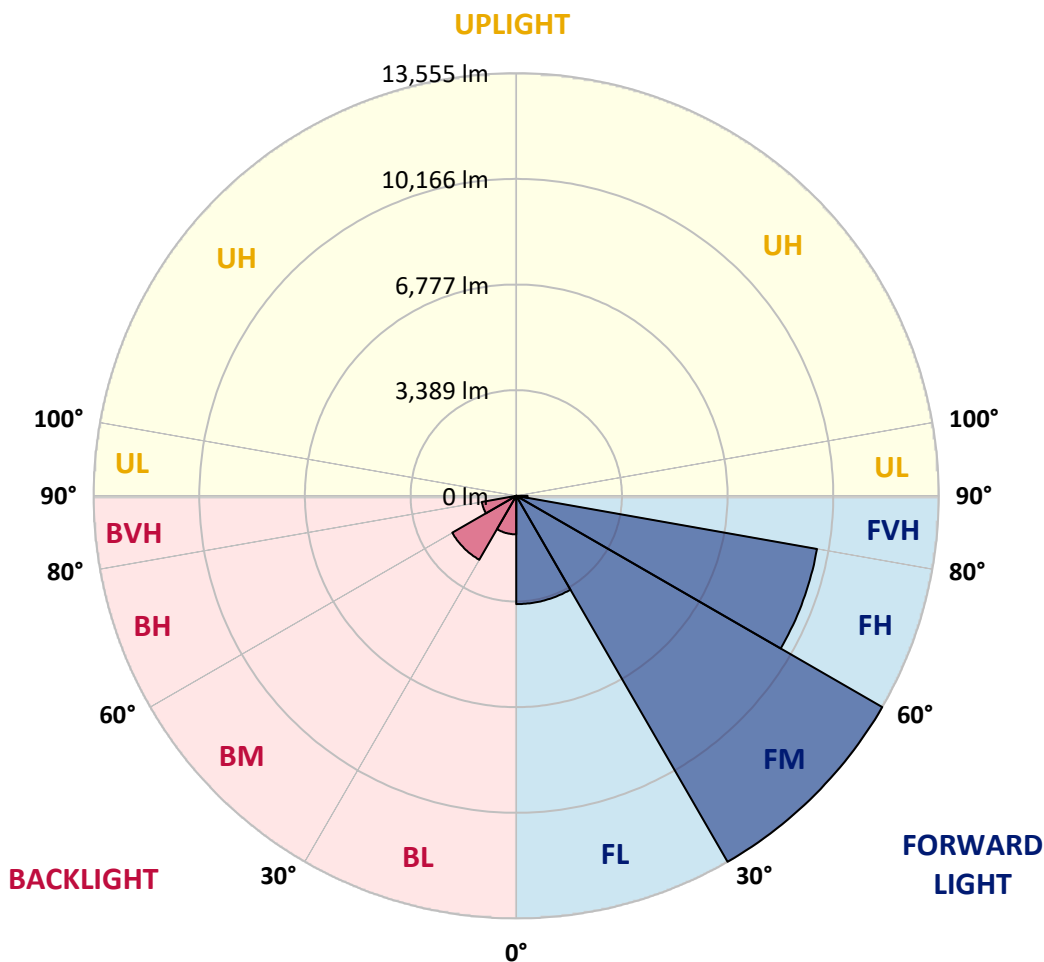


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3473.7	10.9			
FM (30°-60°)	13554.5	42.5			
FH (60°-80°)	9795.4	30.7			G4/12000
FVH (80°-90°)	361.7	1.1			G3/500
BL (0°-30°)	1236.1	3.9	B3/2500		
BM (30°-60°)	2369.2	7.4	B2/2500		
BH (60°-80°)	1121.4	3.5	B3/2500		G3/2500
BVH (80°-90°)	11.0	0.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0
2.5°	11809.0	11789.4	11963.8	12248.9	12536.4	12686.2	12656.8	12644.5	12406.2	12231.7	11865.6
5°	11784.5	11885.2	12197.3	12968.8	13553.7	13836.2	13919.8	13568.4	13104.0	12430.8	11600.2
7.5°	11079.3	11204.6	11713.2	12919.7	13959.1	14573.4	14551.3	13988.5	13030.3	11988.4	10804.1
10°	10204.5	10352.0	10949.1	12413.5	13762.5	14573.4	14617.6	13905.0	12713.3	11376.6	10130.8
12.5°	9587.8	9762.3	10423.2	11941.8	13256.3	14054.9	14106.5	13590.5	12475.0	11140.8	9764.7
15°	9378.9	9543.6	10214.4	11703.4	12718.2	13148.2	13135.9	13081.9	12381.6	11197.2	9784.4
17.5°	9737.7	9872.8	10629.6	11811.6	12214.5	12170.2	12234.1	12494.6	12401.2	11671.5	10403.6
20°	10664.1	10801.6	11614.9	12143.2	11828.7	11548.6	11578.1	12013.0	12583.0	12563.4	11371.7
22.5°	11939.3	12172.8	12909.9	12787.0	11777.1	11162.8	11101.4	11666.5	12892.6	13590.5	12678.9
25°	13553.7	13789.6	14364.5	13814.1	12030.2	11071.9	11015.4	11560.9	13268.6	14593.0	14150.8
27.5°	14910.0	15089.3	15661.9	14814.2	12403.7	11111.2	11017.8	11575.6	13573.3	15445.6	15391.6
30°	15996.1	16128.7	16465.4	15281.0	12725.6	11283.3	11175.1	11791.9	13708.5	15860.9	16396.6
32.5°	16870.8	17094.4	17200.1	15779.8	13187.5	11607.6	11423.3	12207.1	14037.7	16374.5	17450.7
35°	17870.9	18128.9	17993.7	16256.5	13796.9	12113.8	11887.7	12880.4	14536.5	16848.7	18674.3
37.5°	19138.8	19436.1	18907.8	16757.8	14440.7	12875.5	12769.8	13826.4	15293.3	17526.8	19986.5
40°	20450.9	20622.9	19794.8	17367.2	15231.9	13983.7	14084.4	15231.9	16283.6	18340.2	21382.2
42.5°	21475.5	21637.7	20706.4	17878.2	16040.3	15298.3	15718.4	16927.3	17418.8	19173.2	22423.9
45°	22259.4	22396.9	21337.9	18436.0	17131.3	17202.5	17996.2	18674.3	18556.4	19681.8	23227.5
47.5°	22868.7	22986.7	21824.4	19035.5	18765.3	19531.9	20745.7	21033.2	19735.8	20232.2	23954.8
50°	23119.3	23153.7	21976.8	19799.7	20620.4	22500.1	23765.5	23591.1	21087.3	20844.0	24728.8
52.5°	23446.2	23438.8	22411.7	20527.0	22365.0	25153.9	26416.9	26021.2	22615.6	21760.5	25598.6
55°	24303.7	24313.5	23343.0	21559.0	23851.6	27296.5	28647.9	28360.4	24227.5	23308.5	26613.4
57.5°	25345.6	25382.4	24667.3	22765.5	25271.8	28849.4	30313.8	30203.3	26407.0	25031.0	27571.7
59°	25480.6	25554.4	25294.0	23615.7	26114.6	29326.1	30883.9	30992.1	27574.1	26166.2	28090.1
60°	25234.9	25357.8	25475.8	24097.3	26608.5	29498.1	30918.3	31129.7	28451.3	26937.8	28326.0
62.5°	24163.6	24357.7	24949.9	25579.0	27225.2	28962.5	29820.0	30262.2	29537.4	28964.9	28348.1
65°	22760.6	22861.3	23716.4	25841.9	26028.6	26461.1	26726.5	27294.0	28232.6	29746.2	27333.4
67.5°	20460.7	20758.0	21804.7	24316.0	22497.7	21986.6	21920.2	21355.1	23792.6	27883.7	24832.0
70°	16902.8	17035.4	18325.4	19934.9	16978.9	16192.6	16507.1	16295.8	18443.4	24003.9	19986.5
72.5°	12782.1	13081.9	14342.4	15890.4	11553.6	10533.8	11401.2	11322.6	13853.4	19291.1	13730.5
75°	9093.9	9288.0	10895.0	12435.6	8091.4	6855.5	7167.5	7459.9	9671.4	15231.9	8113.5
77.5°	6248.6	6415.6	7622.1	8224.1	5902.1	5653.9	5172.3	5454.8	6337.0	9037.4	4415.5
80°	3769.3	3761.9	4555.6	4703.0	4110.8	4774.3	4005.1	4496.6	3830.7	3867.6	1710.2
82.5°	2447.3	2422.8	2786.4	3037.0	2287.6	2405.5	1614.3	2326.9	2496.4	1078.7	540.6
85°	1095.9	1142.6	1339.2	1766.7	1002.6	533.2	329.3	715.0	1063.9	543.0	0.0
87.5°	113.1	88.5	235.9	430.0	137.6	14.7	49.2	24.6	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°	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0
2.5°	11696.1	11553.6	11128.5	10730.4	10388.8	9971.1	9700.8	9275.7	9017.7	8939.1	8951.4
5°	11226.7	10816.4	10008.0	9361.8	8641.8	8231.4	7607.3	7007.8	6683.5	6563.0	6509.0
7.5°	10243.8	9804.0	8828.6	7813.7	7042.2	6322.3	5857.9	5329.6	4968.4	4671.1	4619.5
10°	9514.1	8936.7	7727.7	6636.8	6027.4	5486.8	5022.4	4494.1	4069.0	3730.0	3636.6
12.5°	9076.7	8430.5	7081.5	6167.5	5590.0	5034.7	4430.2	3818.4	3383.5	3017.4	2847.8
15°	8998.1	8248.7	6899.7	5830.8	5118.2	4447.4	3643.9	2983.0	2535.7	2189.3	2083.6
17.5°	9472.3	8575.5	6872.6	5479.4	4501.5	3550.6	2715.1	2167.2	1663.5	1469.4	1393.2
20°	10317.6	9152.9	6870.2	5071.6	3867.6	2734.8	1906.8	1412.8	1209.0	1115.5	1071.3
22.5°	11470.0	9939.2	7000.4	4720.2	3209.0	2017.3	1361.2	1125.4	1007.4	931.2	914.1
25°	12877.9	11103.9	7319.9	4481.8	2705.3	1582.4	1122.9	963.2	864.9	830.5	815.8
27.5°	14128.6	12219.4	7671.2	4236.1	2344.1	1400.6	1041.9	882.1	803.5	776.4	754.3
30°	15207.3	13231.8	7840.8	3911.8	2054.2	1282.6	1056.6	943.5	840.3	759.3	722.4
32.5°	16106.6	14008.2	7951.4	3616.9	1808.5	1049.2	835.5	729.8	683.1	653.6	629.1
35°	17232.0	14848.6	7885.0	3449.8	1683.1	955.8	761.7	629.1	550.4	491.4	466.8
37.5°	18411.5	15688.9	7769.5	3312.2	1626.6	887.1	724.8	597.1	511.1	449.7	417.7
40°	19632.6	16467.8	7634.4	3184.5	1575.0	842.8	702.7	570.0	484.1	417.7	383.3
42.5°	20750.7	17227.1	7580.3	3100.9	1491.5	850.2	685.5	557.8	457.0	388.2	358.8
45°	21654.9	17947.1	7654.1	3056.7	1400.6	837.9	690.4	543.0	434.9	368.6	339.1
47.5°	22620.6	18964.3	7892.4	3012.4	1312.2	778.9	727.3	540.6	425.1	356.3	324.3
50°	23743.5	20266.6	8437.8	2904.4	1204.0	715.0	774.0	538.1	412.8	341.5	309.6
52.5°	25239.8	21745.8	9000.5	2715.1	1046.7	653.6	739.6	530.7	388.2	324.3	292.4
55°	26583.9	23303.6	9477.2	2491.6	847.8	565.2	665.9	498.8	346.5	294.9	265.4
57.5°	27139.2	24183.3	9462.5	2182.0	678.2	496.3	547.9	457.0	302.2	260.4	235.9
59°	26935.3	24072.7	9145.5	1953.4	619.2	459.5	454.6	452.1	282.6	235.9	216.3
60°	26647.8	23669.8	8804.0	1840.4	582.3	434.9	417.7	447.2	265.4	221.1	201.5
62.5°	25547.0	21998.9	7671.2	1648.8	533.2	368.6	334.2	378.4	235.9	191.7	174.5
65°	23952.3	19431.2	6494.3	1594.7	518.4	304.7	277.7	270.3	201.5	162.2	147.4
67.5°	20841.6	16443.2	5260.7	1557.9	523.4	255.6	243.3	204.0	167.1	135.1	125.3
70°	16686.5	12821.4	4307.4	1516.0	528.3	208.8	204.0	162.2	135.1	113.1	103.2
72.5°	10138.2	7600.0	3390.9	1317.0	513.6	167.1	181.8	122.9	98.3	81.1	76.2
75°	6268.2	5201.8	2103.3	1024.6	339.1	122.9	127.8	76.2	66.3	51.6	51.6
77.5°	3631.6	3285.2	751.9	368.6	149.9	73.7	56.5	39.3	36.9	22.1	22.1
80°	1506.3	1206.4	260.4	125.3	81.1	34.4	12.3	2.4	0.0	0.0	0.0
82.5°	439.8	390.7	71.3	56.5	24.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0
2.5°	8742.5	8661.5	8624.6	8749.9	8634.5	8781.9	8668.8	8718.0	8862.9	8926.8	9091.5
5°	6543.4	6459.8	6420.5	6609.8	6599.9	6693.3	6683.5	6769.4	6843.2	6678.5	6848.1
7.5°	4558.0	4501.5	4594.9	4742.3	4899.5	4847.9	4847.9	4732.5	4771.8	4747.3	4739.8
10°	3467.0	3272.9	3223.8	3218.8	3277.9	3290.1	3223.8	3064.0	3123.1	3140.2	3243.4
12.5°	2727.4	2577.6	2349.0	2245.8	2218.8	2240.9	2022.3	1882.2	1948.5	1909.2	2010.0
15°	1955.9	1833.0	1697.9	1582.4	1550.5	1506.3	1267.9	1100.8	1081.2	1088.5	1105.8
17.5°	1395.7	1312.2	1312.2	1189.3	1122.9	990.3	869.8	796.2	788.7	796.2	808.4
20°	1029.6	985.3	980.4	948.4	874.8	786.3	702.7	688.0	683.1	695.4	700.3
22.5°	887.1	840.3	801.0	798.6	729.8	656.1	616.8	597.1	599.5	604.5	616.8
25°	793.6	744.6	702.7	678.2	629.1	577.5	540.6	530.7	530.7	538.1	540.6
27.5°	727.3	665.9	629.1	594.6	550.4	506.2	474.3	466.8	462.0	466.8	479.1
30°	680.7	619.2	572.5	520.9	486.5	444.7	417.7	407.9	405.4	407.9	417.7
32.5°	582.3	545.5	508.6	462.0	420.2	393.1	363.6	346.5	346.5	351.4	361.2
35°	439.8	420.2	417.7	405.4	371.1	341.5	307.2	289.9	289.9	299.8	304.7
37.5°	388.2	351.4	346.5	341.5	326.8	287.5	255.6	240.8	238.3	245.7	255.6
40°	353.8	312.0	289.9	285.0	287.5	243.3	208.8	194.1	194.1	196.5	206.4
42.5°	326.8	277.7	238.3	233.4	243.3	204.0	169.5	154.8	154.8	154.8	167.1
45°	304.7	248.2	201.5	176.9	191.7	167.1	137.6	122.9	117.9	122.9	127.8
47.5°	289.9	226.1	176.9	142.5	142.5	132.7	110.6	93.3	88.5	90.9	98.3
50°	277.7	206.4	149.9	115.5	103.2	105.6	83.5	71.3	66.3	66.3	73.7
52.5°	258.0	186.7	130.2	98.3	78.6	71.3	61.5	51.6	49.2	51.6	56.5
55°	233.4	169.5	113.1	81.1	61.5	49.2	44.2	36.9	34.4	36.9	44.2
57.5°	206.4	142.5	90.9	63.9	41.7	31.9	29.5	24.6	19.7	22.1	27.0
59°	189.2	127.8	78.6	51.6	31.9	22.1	22.1	17.2	12.3	14.7	22.1
60°	181.8	117.9	66.3	44.2	27.0	17.2	17.2	12.3	7.4	9.9	17.2
62.5°	154.8	98.3	51.6	27.0	12.3	2.4	7.4	2.4	0.0	2.4	7.4
65°	130.2	78.6	34.4	12.3	0.0	0.0	0.0	0.0	0.0	0.0	2.4
67.5°	108.1	59.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	86.0	39.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	59.0	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	36.9	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P649096

CATALOG NUMBER: GLAN-SA8C-835-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0	10809.0
2.5°	9101.3	9452.7	9668.9	10076.7	10494.5	10816.4	11219.4	11580.6	11730.4	11809.0
5°	7020.1	7509.0	7924.4	8546.0	9123.4	9826.2	10538.7	11379.1	11700.9	11784.5
7.5°	4926.6	5425.4	5860.3	6580.3	7403.4	8344.5	9410.9	10477.3	10946.6	11079.3
10°	3558.0	4091.2	4621.9	5341.9	6110.9	7130.6	8241.3	9560.7	10101.3	10204.5
12.5°	2245.8	2818.3	3680.8	4570.3	5383.6	6204.3	7366.5	8801.5	9398.6	9587.8
15°	1302.3	1729.8	2380.9	3540.7	4575.2	5661.2	6929.2	8516.5	9184.8	9378.9
17.5°	872.3	1019.7	1467.0	2353.9	3720.1	5160.0	6818.6	8749.9	9489.5	9737.7
20°	734.7	801.0	958.3	1435.0	2865.1	4712.8	6848.1	9383.9	10354.5	10664.1
22.5°	646.2	707.7	808.4	1032.0	2000.1	4157.5	6988.1	10290.6	11543.7	11939.3
25°	570.0	631.5	720.0	855.1	1344.1	3516.2	7295.3	11617.4	13118.7	13553.7
27.5°	506.2	562.7	638.8	754.3	1034.5	2801.2	7568.0	12909.9	14556.1	14910.0
30°	447.2	493.9	567.6	656.1	860.0	2159.8	7705.7	14040.1	15602.9	15996.1
32.5°	388.2	432.5	503.7	575.0	707.7	1646.3	7609.8	14870.7	16620.2	16870.8
35°	331.7	378.4	437.4	503.7	611.8	1329.3	7130.6	15804.4	17674.3	17870.9
37.5°	285.0	324.3	385.8	437.4	552.9	1063.9	6550.7	16644.8	18856.2	19138.8
40°	240.8	280.1	341.5	388.2	508.6	837.9	6027.4	17578.4	20102.0	20450.9
42.5°	196.5	243.3	297.3	373.5	437.4	638.8	5393.5	18335.3	21038.1	21475.5
45°	157.2	208.8	267.9	371.1	380.9	486.5	4781.6	18925.0	21866.2	22259.4
47.5°	125.3	176.9	258.0	346.5	312.0	385.8	4432.7	19541.7	22554.2	22868.7
50°	100.8	147.4	270.3	304.7	260.4	326.8	4422.9	20229.7	22910.5	23119.3
52.5°	81.1	120.4	228.5	233.4	221.1	287.5	4688.2	21003.7	23274.1	23446.2
55°	68.8	100.8	149.9	172.0	199.0	260.4	4887.3	22195.5	24141.5	24303.7
57.5°	54.0	86.0	115.5	137.6	176.9	238.3	4914.3	23114.4	25239.8	25345.6
59°	46.7	73.7	103.2	122.9	162.2	223.6	4803.7	23170.9	25311.1	25480.6
60°	39.3	66.3	90.9	115.5	149.9	211.3	4683.4	22760.6	25045.7	25234.9
62.5°	29.5	51.6	66.3	93.3	122.9	181.8	4113.3	21328.1	24031.0	24163.6
65°	19.7	36.9	49.2	68.8	95.8	157.2	3351.6	19470.5	22463.3	22760.6
67.5°	12.3	27.0	39.3	51.6	78.6	132.7	2388.4	16696.4	20269.1	20460.7
70°	7.4	17.2	29.5	41.7	61.5	105.6	1417.8	13197.4	16863.4	16902.8
72.5°	4.9	12.3	19.7	29.5	49.2	95.8	688.0	8602.5	12312.8	12782.1
75°	2.4	7.4	12.3	22.1	39.3	78.6	329.3	5747.3	8958.8	9093.9
77.5°	0.0	2.4	7.4	14.7	29.5	61.5	191.7	3774.2	6108.5	6248.6
80°	0.0	0.0	4.9	12.3	22.1	39.3	115.5	2226.1	3700.5	3769.3
82.5°	0.0	0.0	2.4	9.9	14.7	29.5	59.0	978.0	2422.8	2447.3
85°	0.0	0.0	2.4	9.9	12.3	19.7	22.1	132.7	1076.2	1095.9
87.5°	0.0	0.0	2.4	12.3	12.3	12.3	12.3	7.4	90.9	113.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)