

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: P533672

Luminaire Tested: **GLAN-SA9A-760-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9A-760-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30876 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

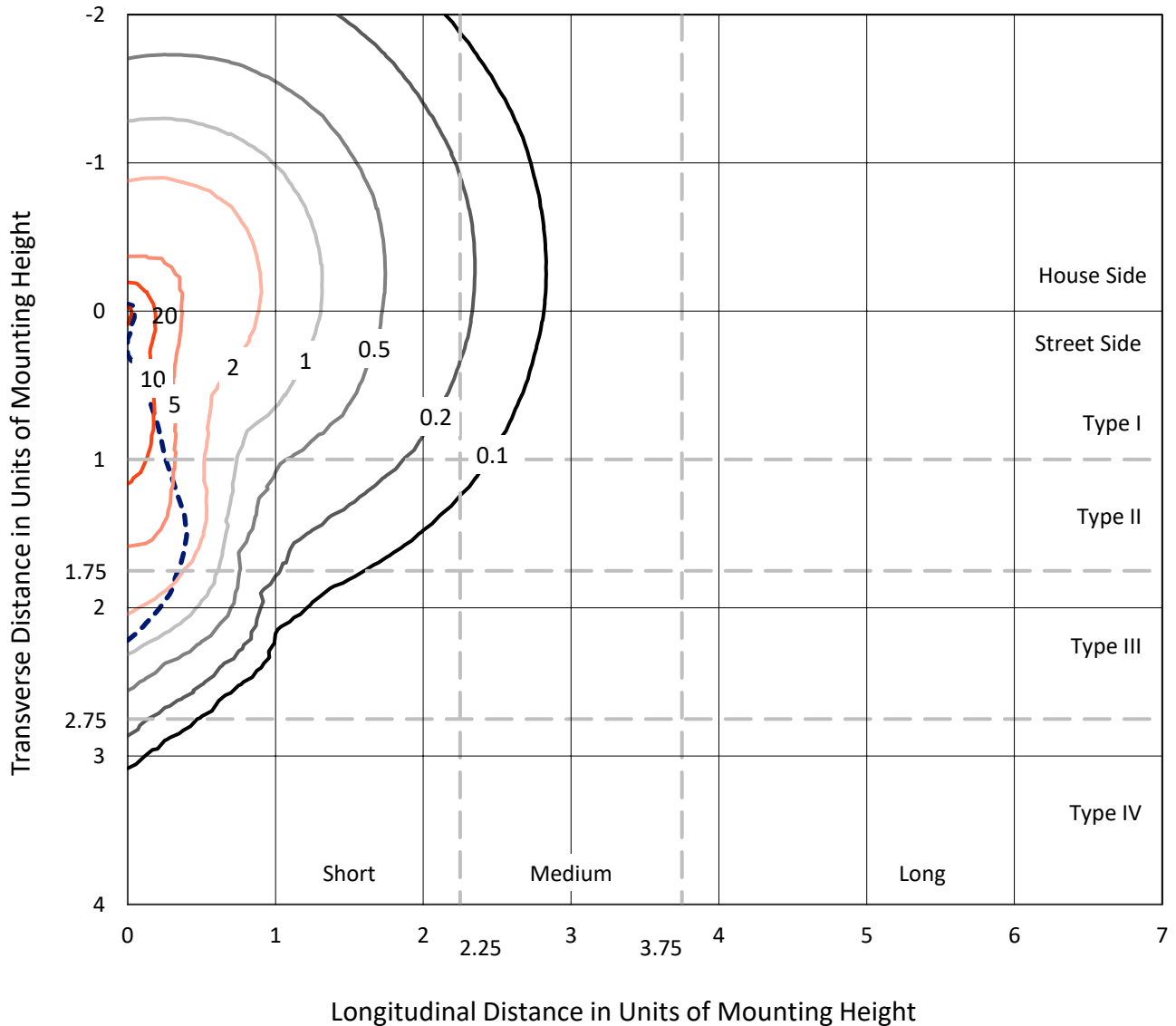
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

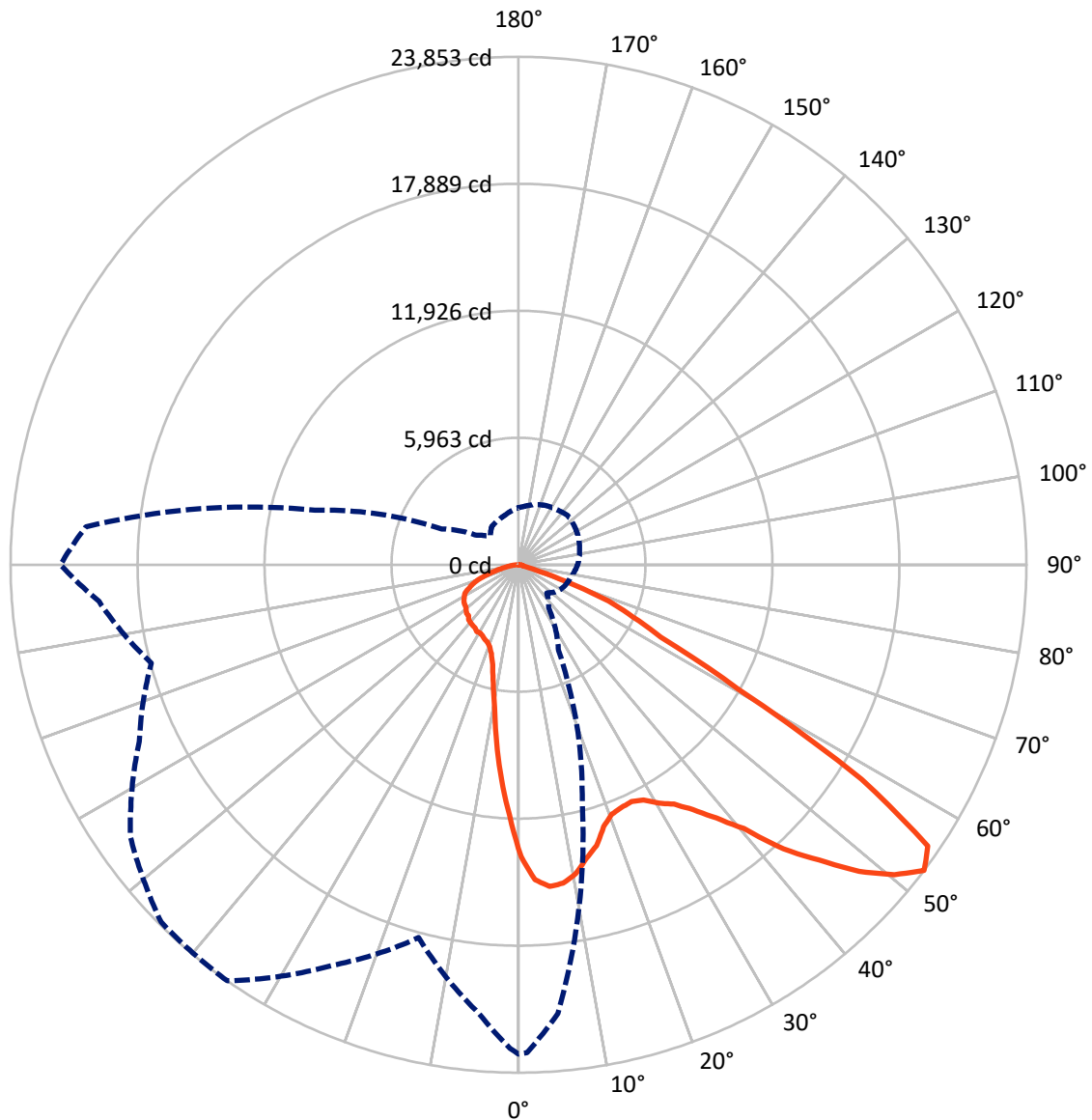
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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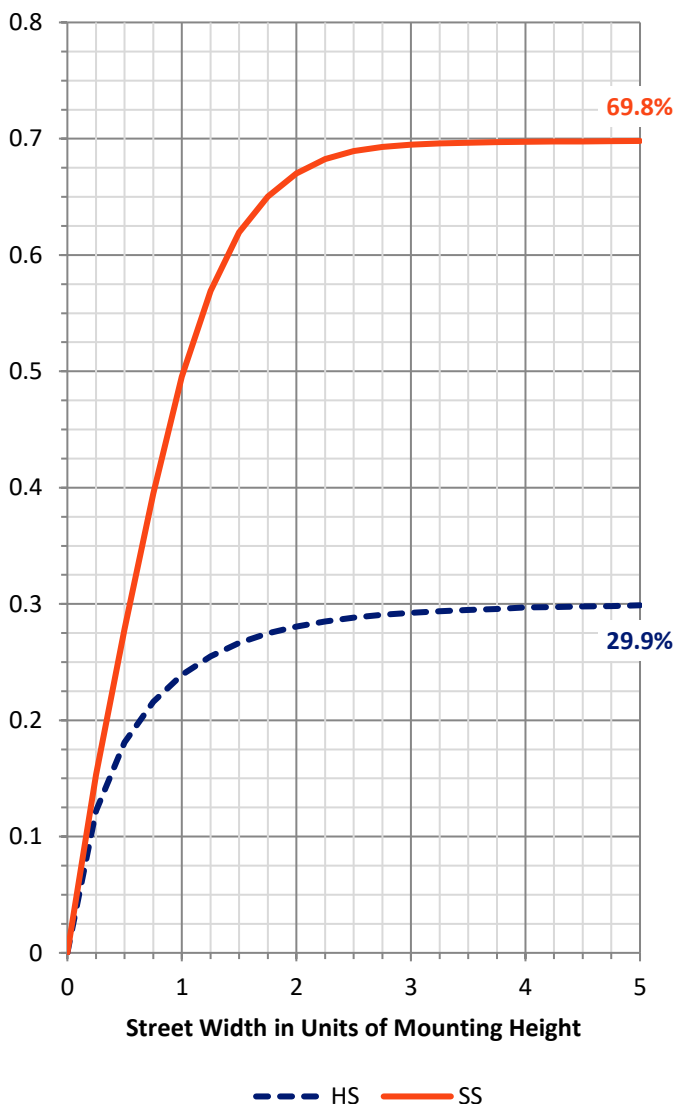
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9307.8	0.0	9307.8
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	21568.2	0.0	21568.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	30876.0	0.0	30876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1045.4	3.4
10°-20°	2266.3	7.3
20°-30°	3424.2	11.1
30°-40°	4948.1	16.0
40°-50°	6585.1	21.3
50°-60°	7365.6	23.9
60°-70°	4151.2	13.4
70°-80°	925.4	3.0
80°-90°	164.8	0.5
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°	30876.0	100.0
0°-180°	30876.0	100.0

Coefficient of Utilization

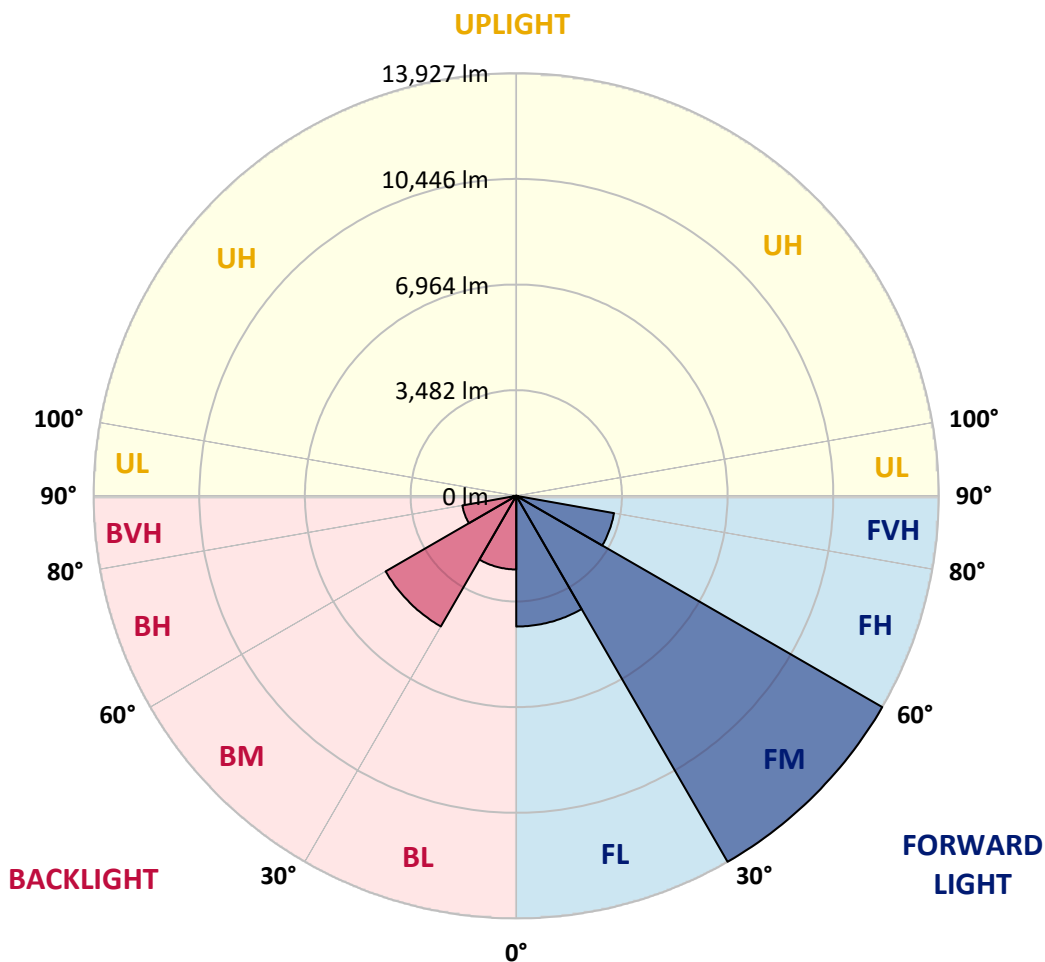


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4308.7	14.0			
FM (30°-60°)	13927.4	45.1			
FH (60°-80°)	3272.4	10.6			G2/5000
FVH (80°-90°)	59.7	0.2			G1/100
BL (0°-30°)	2427.3	7.9	B3/2500		
BM (30°-60°)	4971.3	16.1	B3/5000		
BH (60°-80°)	1804.1	5.8	B3/2500		G3/2500
BVH (80°-90°)	105.1	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0
2.5°	13931.2	14155.0	13913.3	13483.7	13179.4	12901.9	12611.0	12552.8	12172.5	12105.3	11827.9
5°	13139.1	13089.9	12794.5	12230.6	11608.6	11044.7	10628.5	10225.8	9952.8	9635.0	9612.7
7.5°	12176.9	11890.5	11720.5	10865.7	10096.0	9209.9	8829.5	8216.4	8024.0	7737.6	7589.9
10°	11317.7	11107.4	10709.1	9854.3	8780.3	8194.0	7786.8	7455.6	7231.9	6936.5	6565.1
12.5°	10892.6	10807.5	10360.0	9035.4	8238.8	7612.3	7325.8	7003.6	6623.2	6148.9	5965.4
15°	10968.6	10682.2	10342.1	8878.7	7777.8	7173.7	6717.2	6314.5	5826.7	5374.7	5110.6
17.5°	11537.0	11317.7	10637.5	8977.2	7603.3	6730.6	5902.7	5307.5	4869.0	4461.7	4278.3
20°	12655.8	12338.0	11572.8	9102.5	7227.4	6113.1	5164.3	4430.4	3960.5	3745.7	3683.1
22.5°	13895.4	13707.4	12485.7	9384.4	6927.6	5540.3	4381.2	3647.3	3472.7	3414.6	3530.9
25°	15403.5	14915.7	13904.3	9845.4	6694.8	5052.5	3718.9	3311.6	3222.1	3280.3	3414.6
27.5°	16549.2	16419.4	14897.8	10279.5	6377.1	4466.2	3347.4	3078.9	3105.8	3163.9	3289.2
30°	17909.6	17251.8	15860.0	10579.3	6090.7	4063.5	3087.9	3016.3	3043.1	3141.6	3204.2
32.5°	18728.6	18482.4	16464.1	11031.3	5759.5	3714.4	2886.5	2819.4	2859.6	3007.3	3155.0
35°	19771.3	19283.5	17211.5	11147.6	5526.8	3575.7	2743.3	2694.0	2788.0	2891.0	3056.5
37.5°	20988.5	20652.9	18245.3	11067.1	5401.5	3432.5	2622.4	2600.1	2667.2	2810.4	3002.8
40°	21709.0	21606.1	18786.7	11116.3	5204.6	3307.1	2483.7	2510.6	2649.3	2761.2	2949.1
42.5°	22402.7	21731.4	19587.8	11098.4	5079.3	3137.1	2497.1	2465.8	2573.2	2703.0	2882.0
45°	22554.8	21888.0	19775.8	10973.1	4927.2	2971.5	2394.2	2407.6	2537.4	2698.5	2814.9
47.5°	22456.4	21964.1	20124.8	10937.3	4784.0	2855.2	2242.1	2403.2	2479.2	2609.0	2774.6
50°	22389.3	22362.4	20420.2	11107.4	4591.5	2671.7	2058.6	2345.0	2421.1	2550.8	2729.9
52.5°	22980.0	22921.8	21158.6	11554.9	4439.4	2474.8	1870.6	2197.3	2380.8	2506.1	2680.6
55°	23338.0	23082.9	22425.1	12105.3	4184.3	2215.2	1740.8	2013.8	2282.3	2394.2	2573.2
57.5°	20993.0	20818.5	20285.9	11299.8	3754.7	1875.1	1579.7	1825.9	2148.1	2322.6	2506.1
60°	17466.6	17193.6	15828.7	9603.7	2770.1	1458.9	1481.3	1678.2	2112.3	2179.4	2394.2
62.5°	16468.6	15792.9	13935.7	7728.6	2125.7	1253.0	1329.1	1543.9	1924.3	2036.2	2251.0
65°	13067.5	12566.3	9970.7	5580.5	1423.1	1087.5	1212.8	1391.8	1660.3	1879.6	2076.5
67.5°	8180.6	7701.8	5321.0	2640.3	993.5	930.8	1083.0	1270.9	1490.2	1687.1	1906.4
70°	4273.8	3750.2	2456.9	953.2	684.7	760.8	904.0	1083.0	1297.8	1458.9	1629.0
72.5°	1593.2	1293.3	801.1	411.7	474.4	581.8	733.9	863.7	1015.9	1212.8	1306.7
75°	246.1	210.3	205.9	250.6	322.2	420.7	523.6	653.4	787.6	912.9	975.6
77.5°	116.4	111.9	125.3	165.6	214.8	299.8	380.4	505.7	613.1	693.7	729.5
80°	76.1	71.6	80.6	111.9	161.1	223.8	304.3	389.3	487.8	554.9	546.0
82.5°	44.8	49.2	49.2	76.1	111.9	161.1	219.3	295.4	362.5	420.7	384.9
85°	26.9	22.4	22.4	44.8	76.1	129.8	183.5	125.3	129.8	129.8	147.7
87.5°	9.0	9.0	9.0	4.5	9.0	9.0	13.4	22.4	26.9	31.3	40.3
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°	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0
2.5°	11818.9	11957.6	11908.4	11733.9	11868.1	11890.5	11801.0	12109.8	12168.0	12074.0	12100.8
5°	9581.3	9617.1	9697.7	9867.7	9988.6	10131.8	10131.8	10140.7	10019.9	10324.2	10234.7
7.5°	7464.6	7487.0	7580.9	7943.4	8046.3	8319.3	8435.7	8355.1	8113.5	8010.5	8095.6
10°	6444.2	6314.5	6283.1	6327.9	6560.6	6676.9	6775.4	6748.6	6708.3	6627.7	6538.2
12.5°	5764.0	5670.0	5594.0	5486.6	5500.0	5611.9	5687.9	5625.3	5643.2	5661.1	5687.9
15°	5025.6	4958.5	4918.2	4757.1	4739.2	4815.3	4842.1	4877.9	4945.1	4949.5	4918.2
17.5°	4242.5	4184.3	4273.8	4363.3	4300.6	4305.1	4354.3	4385.7	4367.8	4287.2	4246.9
20°	3705.4	3768.1	3857.6	3942.6	4009.7	4050.0	4067.9	4018.7	3960.5	3794.9	3790.5
22.5°	3548.8	3629.4	3705.4	3835.2	3897.9	4000.8	3906.8	3794.9	3714.4	3633.8	3539.9
25°	3432.5	3499.6	3651.7	3701.0	3821.8	3906.8	3839.7	3727.8	3589.1	3472.7	3401.1
27.5°	3347.4	3423.5	3522.0	3656.2	3750.2	3799.4	3732.3	3687.5	3544.3	3405.6	3302.7
30°	3293.7	3374.3	3553.3	3665.2	3745.7	3786.0	3669.6	3615.9	3513.0	3396.7	3307.1
32.5°	3257.9	3329.5	3481.7	3624.9	3678.6	3678.6	3696.5	3633.8	3490.6	3293.7	3217.6
35°	3141.6	3240.0	3365.3	3530.9	3629.4	3687.5	3598.0	3526.4	3432.5	3231.1	3092.3
37.5°	3074.4	3141.6	3302.7	3459.3	3544.3	3607.0	3571.2	3445.9	3320.6	3155.0	3043.1
40°	3002.8	3110.2	3253.4	3401.1	3495.1	3557.8	3530.9	3383.2	3231.1	3074.4	2998.4
42.5°	2953.6	3025.2	3172.9	3338.5	3450.4	3571.2	3490.6	3307.1	3199.7	2984.9	2899.9
45°	2913.3	3029.7	3186.3	3253.4	3369.8	3495.1	3351.9	3240.0	3114.7	2958.1	2886.5
47.5°	2864.1	2971.5	3074.4	3253.4	3307.1	3365.3	3338.5	3159.5	3052.1	2882.0	2832.8
50°	2846.2	2886.5	3074.4	3172.9	3249.0	3307.1	3235.5	3101.3	2998.4	2823.8	2716.4
52.5°	2774.6	2850.7	2971.5	3101.3	3195.3	3266.9	3150.5	3065.5	2926.8	2743.3	2676.1
55°	2685.1	2729.9	2944.7	3078.9	3128.1	3177.4	3132.6	2993.9	2850.7	2662.7	2595.6
57.5°	2568.7	2671.7	2846.2	3034.2	3096.8	3123.7	3052.1	2940.2	2761.2	2595.6	2488.2
60°	2447.9	2555.3	2747.8	2899.9	2962.6	3061.0	2953.6	2886.5	2680.6	2497.1	2380.8
62.5°	2327.1	2447.9	2591.1	2783.6	2837.3	2877.5	2850.7	2756.7	2591.1	2385.3	2242.1
65°	2183.9	2273.4	2452.4	2550.8	2586.6	2680.6	2586.6	2550.8	2403.2	2206.3	2085.4
67.5°	1969.1	2045.2	2201.8	2295.8	2322.6	2362.9	2358.4	2318.1	2152.6	2018.3	1910.9
70°	1722.9	1790.1	1888.5	2000.4	2013.8	2063.1	2018.3	2009.3	1901.9	1718.5	1660.3
72.5°	1382.8	1445.5	1575.3	1624.5	1629.0	1646.9	1624.5	1593.2	1566.3	1373.9	1315.7
75°	1060.6	1096.4	1159.1	1203.8	1203.8	1226.2	1212.8	1181.4	1109.8	989.0	930.8
77.5°	738.4	774.2	854.8	881.6	877.1	886.1	845.8	814.5	707.1	644.4	595.2
80°	537.0	559.4	599.7	617.6	622.0	635.5	586.2	559.4	496.7	425.1	402.8
82.5°	389.3	402.8	407.2	429.6	429.6	407.2	393.8	367.0	322.2	277.5	259.6
85°	161.1	165.6	170.1	196.9	201.4	241.7	223.8	210.3	183.5	156.6	143.2
87.5°	40.3	44.8	58.2	49.2	58.2	58.2	62.7	71.6	71.6	58.2	58.2
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°	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0
2.5°	12203.8	12239.6	12696.0	12754.2	12978.0	13206.2	13667.2	13998.3	14266.8	14441.4	14490.6
5°	10328.7	10556.9	10767.2	11107.4	11416.1	11854.7	12360.4	12986.9	13774.6	14177.3	14338.4
7.5°	8086.6	8355.1	8659.4	8990.6	9442.6	10230.2	10906.0	11631.0	12637.9	13054.1	13685.1
10°	6600.9	6900.7	7303.5	7558.6	8104.5	8856.4	9644.0	10480.8	11443.0	12042.7	12772.1
12.5°	5835.6	6081.8	6453.2	6990.2	7397.4	7885.2	8471.5	9527.6	10906.0	11474.3	11975.5
15°	4989.8	5262.8	5692.4	6287.6	6775.4	7357.2	8015.0	9165.1	10633.0	11510.1	11935.3
17.5°	4291.7	4488.6	4940.6	5455.2	6014.6	6650.1	7594.4	9147.2	10919.4	12042.7	12736.3
20°	3808.4	3835.2	4081.4	4519.9	5280.7	6108.6	7334.8	9057.7	11836.8	12960.1	13837.2
22.5°	3504.1	3477.2	3481.7	3853.1	4385.7	5576.1	6927.6	9362.0	12879.5	14419.0	15009.7
25°	3351.9	3280.3	3235.5	3316.1	3799.4	4945.1	6618.8	9764.8	14002.8	15622.8	16347.8
27.5°	3271.3	3146.0	3056.5	3070.0	3423.5	4627.3	6426.3	9939.3	15117.1	17301.0	17556.1
30°	3240.0	3083.4	2953.6	2908.9	3141.6	4184.3	6014.6	10239.2	16115.1	18222.9	18442.2
32.5°	3128.1	2935.7	2810.4	2770.1	2864.1	3794.9	5719.3	10454.0	16996.7	19225.3	19149.2
35°	2998.4	2837.3	2680.6	2604.5	2671.7	3544.3	5482.1	10351.1	18034.9	20004.0	19963.7
37.5°	2984.9	2774.6	2644.8	2519.5	2515.0	3235.5	5159.9	10449.5	18697.2	21400.2	20849.8
40°	2868.6	2734.3	2564.3	2461.3	2403.2	3078.9	4846.6	10216.8	19668.4	21964.1	21422.6
42.5°	2873.1	2671.7	2524.0	2403.2	2345.0	2850.7	4631.8	10154.2	20008.5	22881.5	21691.1
45°	2801.5	2604.5	2479.2	2336.0	2304.7	2676.1	4425.9	9863.3	20608.1	22926.3	21355.5
47.5°	2729.9	2555.3	2421.1	2251.0	2179.4	2613.5	4264.8	9621.6	20294.9	22505.6	20890.1
50°	2680.6	2479.2	2353.9	2233.1	2031.7	2506.1	4054.5	9563.4	19856.3	21937.3	20026.4
52.5°	2595.6	2416.6	2286.8	2192.8	1870.6	2407.6	3973.9	9903.5	20393.3	21512.1	19775.8
55°	2515.0	2331.6	2166.0	1982.5	1736.4	2148.1	3750.2	10221.3	21176.5	22492.2	20912.5
57.5°	2430.0	2255.5	2076.5	1857.2	1606.6	1879.6	3517.5	10279.5	19708.6	20787.1	19851.8
60°	2318.1	2094.4	1960.1	1673.7	1467.9	1557.4	2788.0	9062.2	15287.2	17359.2	17390.5
62.5°	2192.8	1951.2	1834.8	1499.2	1324.6	1342.5	2273.4	7616.7	12400.7	14369.8	15224.5
65°	2027.3	1794.5	1655.8	1387.3	1221.7	1163.5	1664.8	5580.5	9420.2	11657.8	12628.9
67.5°	1812.4	1593.2	1418.6	1208.3	1091.9	998.0	1136.7	3141.6	5562.6	7827.1	8122.4
70°	1584.2	1396.3	1212.8	1038.2	908.5	841.3	832.4	1391.8	2658.2	4211.1	4792.9
72.5°	1248.6	1114.3	966.6	836.9	751.8	653.4	595.2	577.3	899.5	1714.0	2367.4
75°	895.0	783.2	698.1	613.1	550.4	496.7	452.0	411.7	375.9	429.6	590.7
77.5°	563.9	523.6	456.5	434.1	398.3	384.9	367.0	344.6	317.7	299.8	299.8
80°	380.4	353.5	331.2	326.7	313.3	308.8	313.3	290.9	264.0	241.7	250.6
82.5°	255.1	250.6	246.1	241.7	246.1	250.6	259.6	255.1	232.7	219.3	223.8
85°	152.2	161.1	170.1	179.0	196.9	174.5	143.2	120.8	107.4	98.5	94.0
87.5°	58.2	80.6	71.6	67.1	71.6	67.1	62.7	58.2	49.2	44.8	44.8
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: P533672

CATALOG NUMBER: GLAN-SA9A-760-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0	13703.0
2.5°	14817.3	14906.8	14982.9	14965.0	14808.3	14598.0	14513.0	14078.9	13989.4	13931.2
5°	15018.7	15537.8	15649.7	15582.5	15175.3	14660.6	14159.4	13524.0	13152.5	13139.1
7.5°	14647.2	15287.2	15488.5	15640.7	15099.2	14204.2	13344.9	12391.7	12159.0	12176.9
10°	13703.0	14723.3	15220.0	15376.7	14754.6	13980.4	12790.0	11823.4	11326.6	11317.7
12.5°	13179.4	13980.4	14119.1	14338.4	14155.0	13371.8	12467.8	11384.8	10901.5	10892.6
15°	12713.9	13242.0	13282.3	13591.1	13689.5	13161.5	12552.8	11398.2	11008.9	10968.6
17.5°	13121.2	12754.2	12602.1	12642.3	12933.2	13125.7	13045.1	12159.0	11760.7	11537.0
20°	13394.2	12575.2	12114.3	12159.0	12503.6	13206.2	13779.0	13259.9	12628.9	12655.8
22.5°	14123.6	12602.1	11881.6	11832.3	12378.3	13626.9	14606.9	14651.7	14043.1	13895.4
25°	15215.6	12910.9	11810.0	11796.5	12320.1	14078.9	15573.6	16298.6	15676.5	15403.5
27.5°	16092.7	13394.2	12033.7	12078.5	12503.6	14445.8	16397.0	17359.2	16884.8	16549.2
30°	16862.4	13895.4	12347.0	12141.1	12995.9	14638.3	16750.5	18567.5	18187.1	17909.6
32.5°	17180.2	14606.9	12843.7	12503.6	13403.1	14871.0	17484.5	19740.0	19413.3	18728.6
35°	17717.2	15005.2	13112.2	13085.4	14114.7	15430.4	17829.1	20514.2	20379.9	19771.3
37.5°	18146.8	15408.0	14065.4	13770.1	15090.3	16370.2	18384.0	21583.7	21274.9	20988.5
40°	18478.0	16128.5	14956.0	15345.3	16289.6	17224.9	18894.2	21650.9	22541.4	21709.0
42.5°	18173.6	16772.9	16419.4	17350.2	18245.3	18200.5	18952.3	22170.0	22836.8	22402.7
45°	18097.6	17864.9	18733.0	19578.9	19784.7	19010.5	18536.1	21597.2	22747.3	22554.8
47.5°	17914.1	18938.9	20451.5	21829.9	21516.6	19552.0	18039.4	21494.2	22801.0	22456.4
50°	17851.4	19171.6	21722.5	23065.0	22877.0	20021.9	17806.7	20831.9	22420.6	22389.3
52.5°	17847.0	19650.5	22250.5	23736.3	23852.6	20764.8	18124.4	21167.5	22715.9	22980.0
55°	18048.3	19498.3	22183.4	23364.8	23320.1	20433.6	18160.2	21391.3	23078.4	23338.0
57.5°	17023.5	17466.6	18307.9	19243.2	19001.6	16925.1	16218.0	19775.8	21181.0	20993.0
60°	14700.9	13313.6	12364.9	12320.1	11850.2	11201.3	13273.3	17650.1	17650.1	17466.6
62.5°	12875.1	8740.0	7509.3	7160.3	7495.9	8243.3	12803.5	17166.7	16678.9	16468.6
65°	11259.5	6672.5	5428.4	5329.9	5911.7	7039.4	11577.3	14624.8	13765.6	13067.5
67.5°	7245.3	4886.9	4036.6	3862.1	4564.7	5168.8	7706.2	8995.1	8453.6	8180.6
70°	4672.1	3181.8	2246.5	2107.8	2380.8	3186.3	4922.7	5244.9	4457.3	4273.8
72.5°	2210.7	1373.9	787.6	648.9	729.5	1217.2	1946.7	2094.4	1740.8	1593.2
75°	702.6	505.7	322.2	277.5	264.0	313.3	447.5	344.6	250.6	246.1
77.5°	313.3	299.8	255.1	214.8	188.0	156.6	129.8	107.4	111.9	116.4
80°	259.6	237.2	210.3	188.0	156.6	120.8	94.0	71.6	71.6	76.1
82.5°	228.2	205.9	183.5	156.6	134.3	98.5	71.6	49.2	44.8	44.8
85°	98.5	116.4	125.3	134.3	107.4	80.6	49.2	31.3	26.9	26.9
87.5°	40.3	35.8	31.3	26.9	22.4	22.4	17.9	13.4	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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