

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: P649263

Luminaire Tested: **GLAN-SA2D-835-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649263
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-SA2D-835-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1200mA 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: 6734.6 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

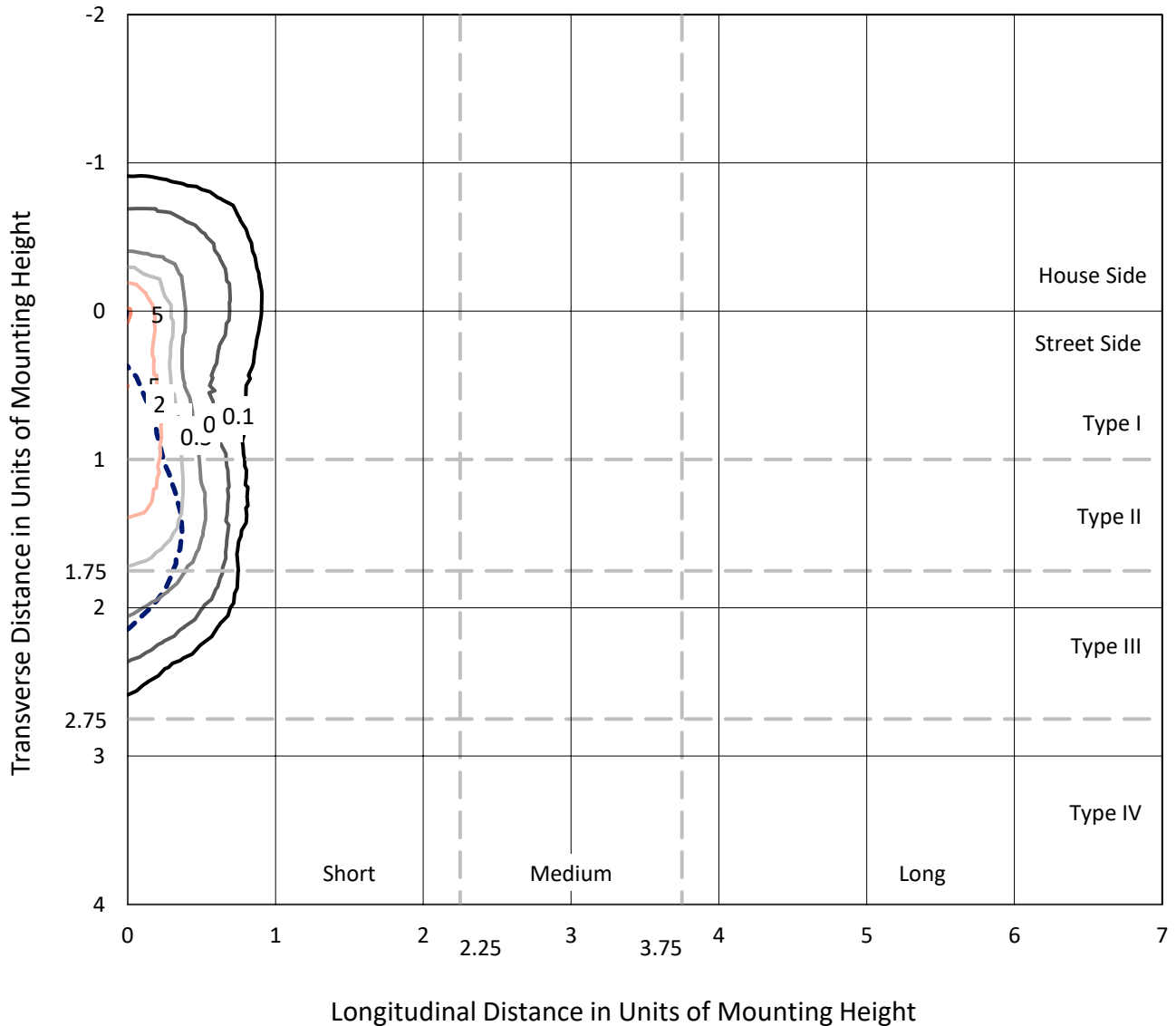
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P649263
 CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

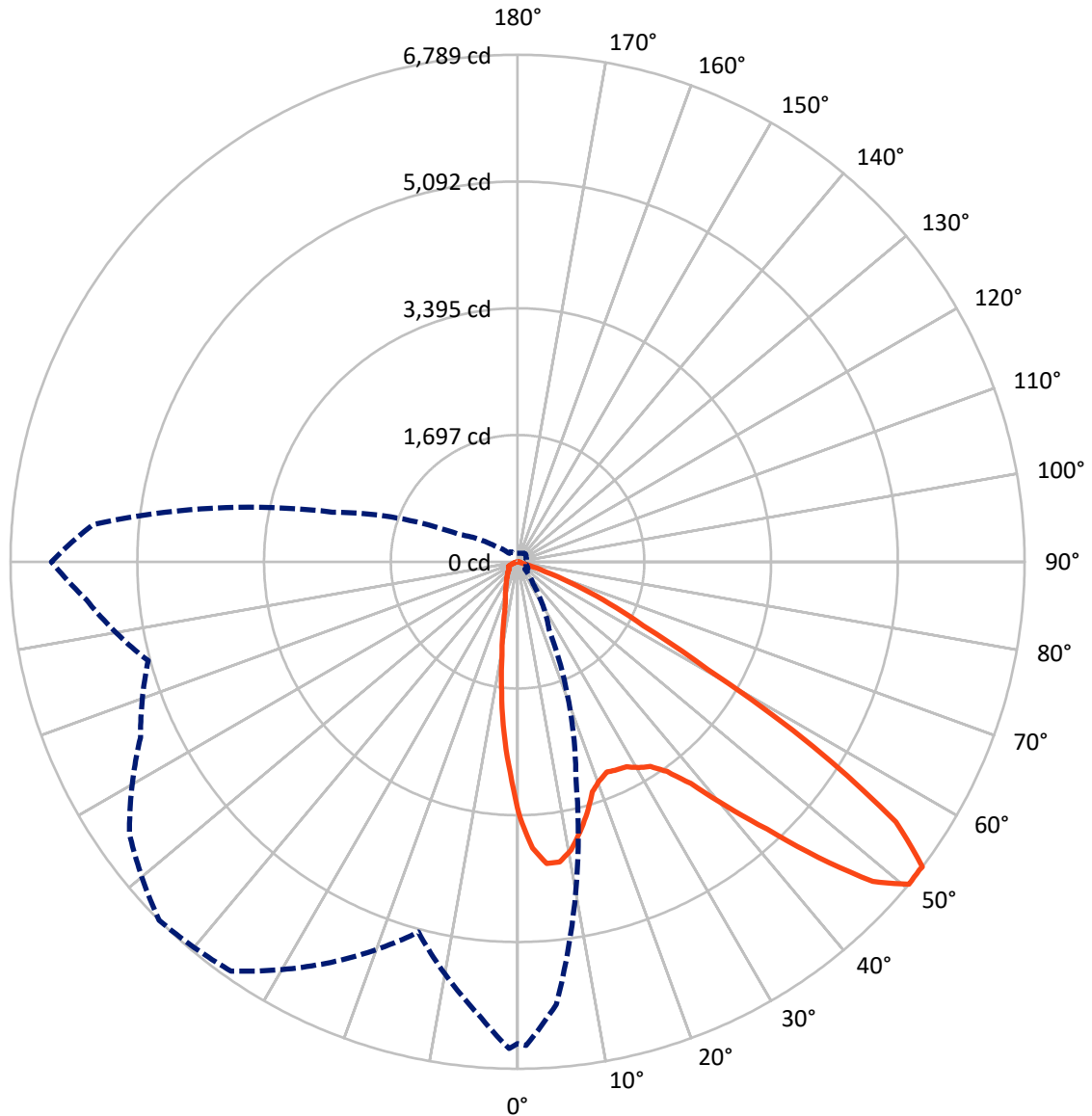
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

REPORT NUMBER: P649263
CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P649263
 CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

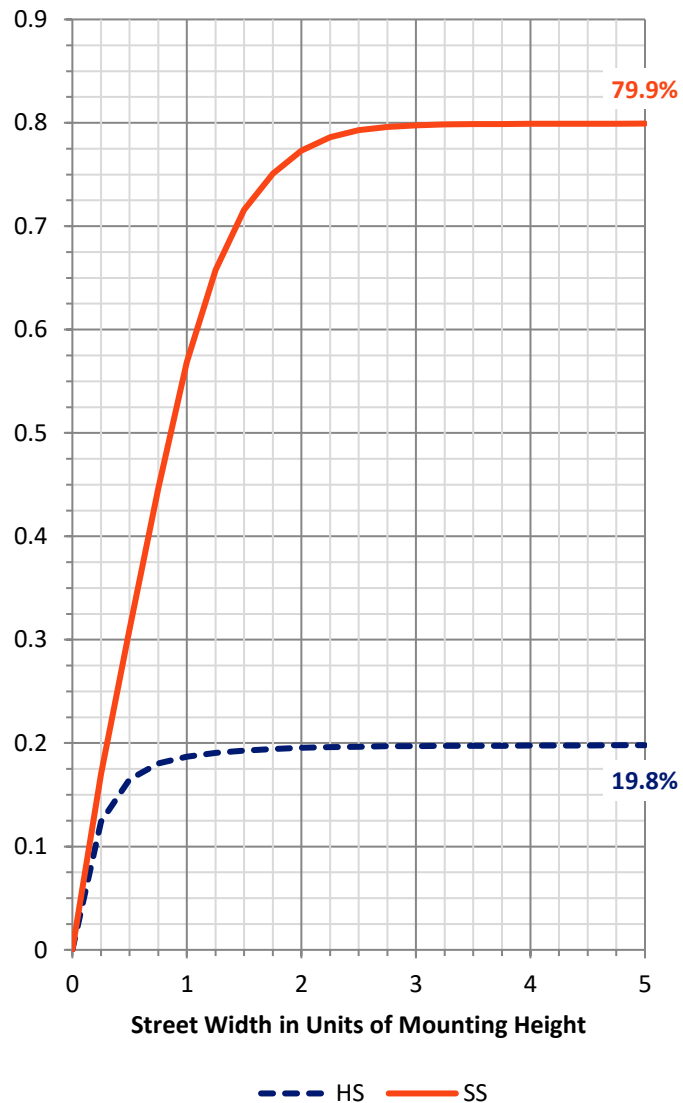
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1348.9	0.0	1348.9
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	5385.7	0.0	5385.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	6734.6	0.0	6734.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	3.7
10°-20°	494.8	7.3
20°-30°	743.3	11.0
30°-40°	1115.6	16.6
40°-50°	1567.9	23.3
50°-60°	1691.3	25.1
60°-70°	785.3	11.7
70°-80°	73.9	1.1
80°-90°	13.6	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°	6734.6	100.0
0°-180°	6734.6	100.0

Coefficient of Utilization



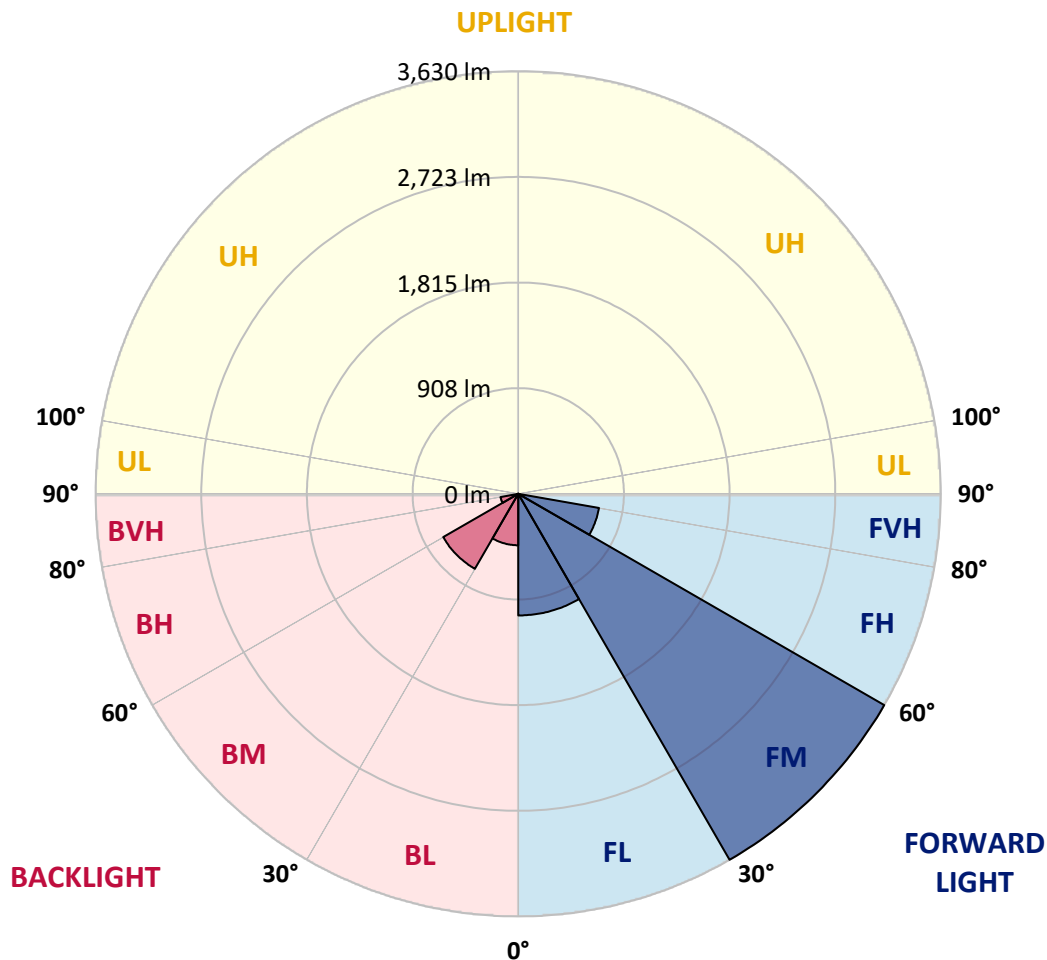
REPORT NUMBER: P649263
 CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1044.8	15.5			
FM (30°-60°)	3630.5	53.9			
FH (60°-80°)	704.3	10.5			G1/1800
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	442.1	6.6	B1/500		
BM (30°-60°)	744.4	11.1	B1/1000		
BH (60°-80°)	154.9	2.3	B1/500		G1/500
BVH (80°-90°)	7.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P649263

CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3
2.5°	3550.2	3495.5	3425.9	3368.5	3283.0	3110.6	3063.9	3007.7	2961.0	2898.2	2810.0
5°	3228.2	3210.8	3178.7	2962.3	2806.0	2597.5	2426.5	2354.3	2259.5	2182.0	2125.8
7.5°	2982.4	2912.9	2811.4	2593.5	2343.7	2120.5	1930.8	1819.8	1694.3	1651.5	1575.4
10°	2719.1	2735.2	2585.5	2279.5	1977.5	1797.1	1679.6	1572.7	1459.1	1384.3	1276.1
12.5°	2635.0	2582.8	2467.9	2089.8	1831.9	1663.6	1520.6	1388.3	1268.1	1147.8	1043.6
15°	2689.8	2609.6	2449.2	2049.7	1719.7	1509.9	1330.9	1151.8	1040.9	887.2	779.0
17.5°	2886.1	2822.0	2606.9	2092.5	1662.2	1362.9	1097.0	912.6	742.9	603.9	549.2
20°	3213.5	3122.7	2852.8	2147.2	1576.7	1185.2	889.9	662.7	502.4	443.6	412.9
22.5°	3534.2	3484.7	3144.1	2252.8	1500.5	1027.5	668.1	446.3	375.4	364.8	344.8
25°	4144.8	3996.5	3589.0	2443.9	1441.7	879.2	503.7	359.4	318.0	310.0	312.7
27.5°	4508.3	4384.0	4000.5	2570.8	1376.3	765.6	426.3	330.0	302.0	284.6	278.0
30°	4857.0	4712.7	4204.9	2645.7	1236.0	645.3	378.1	316.6	310.0	284.6	276.6
32.5°	5125.6	4984.0	4500.3	2757.9	1178.5	567.9	311.3	247.2	229.8	227.1	251.2
35°	5537.1	5386.2	4752.8	2819.3	1134.4	527.8	269.9	220.5	200.4	192.4	193.7
37.5°	5920.7	5817.8	4986.6	2843.4	1087.7	515.8	241.9	197.8	180.4	175.1	173.7
40°	6241.3	6011.5	5208.4	2868.8	1067.6	493.1	224.5	180.4	168.3	160.4	160.4
42.5°	6388.3	6154.5	5457.0	2854.1	1062.3	457.0	224.5	165.7	156.4	148.3	147.0
45°	6356.2	6261.3	5567.8	2847.4	1062.3	420.9	204.4	161.7	148.3	137.7	135.0
47.5°	6439.1	6314.8	5706.8	2875.5	1040.9	395.5	172.3	169.7	140.3	126.9	124.3
50°	6453.8	6477.8	5948.7	3021.1	994.1	363.5	135.0	167.0	135.0	114.9	112.2
52°	6550.0	6400.3	6022.2	3098.6	944.7	339.4	113.6	143.0	129.6	106.9	104.2
52.5°	6417.7	6515.3	6039.5	3126.7	950.0	323.4	109.5	140.3	126.9	106.9	100.2
55°	6269.4	6362.9	5968.7	3186.8	871.2	253.8	85.5	101.6	114.9	93.6	89.5
57.5°	5449.0	5543.8	5187.1	2918.2	709.5	179.1	70.8	76.2	101.6	86.8	82.8
60°	4843.6	4775.5	4353.2	2434.5	503.7	100.2	56.1	58.8	110.9	80.2	78.8
62.5°	4426.8	4281.1	3638.4	1880.0	307.3	66.8	44.1	45.4	85.5	74.9	74.9
65°	3275.0	3112.0	2417.1	1137.1	151.0	46.7	33.4	36.1	53.5	64.1	64.1
67.5°	1869.3	1806.5	1167.8	513.1	62.8	29.4	25.4	28.0	41.4	52.1	49.4
70°	859.2	770.9	449.0	108.2	29.4	20.0	20.0	22.7	33.4	38.8	36.1
72.5°	251.2	237.9	109.5	17.4	12.1	12.1	13.4	17.4	25.4	29.4	26.7
75°	18.7	12.1	8.0	5.3	5.3	8.0	10.7	17.4	25.4	28.0	22.7
77.5°	1.3	2.7	1.3	1.3	4.0	8.0	12.1	21.4	33.4	34.8	25.4
80°	1.3	1.3	0.0	1.3	4.0	8.0	13.4	24.0	37.4	40.1	21.4
82.5°	0.0	0.0	0.0	1.3	5.3	10.7	16.1	25.4	34.8	42.8	22.7
85°	0.0	0.0	0.0	1.3	8.0	14.7	18.7	6.7	4.0	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: P649263

CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3
2.5°	2872.8	2838.1	2824.7	2836.7	2832.7	2828.7	2902.2	2886.1	2883.5	2907.5	2902.2
5°	2156.6	2095.2	2263.5	2195.4	2266.2	2308.9	2317.0	2321.0	2370.4	2318.3	2386.4
7.5°	1536.6	1552.6	1551.3	1596.8	1678.3	1750.4	1793.1	1759.7	1757.1	1750.4	1721.0
10°	1228.0	1199.9	1194.5	1183.9	1209.3	1270.7	1322.8	1281.4	1252.0	1292.1	1280.0
12.5°	1003.5	964.7	943.4	900.6	901.9	943.4	943.4	943.4	972.7	995.4	1012.8
15°	769.6	737.6	737.6	694.8	685.4	686.8	708.1	710.9	757.6	770.9	777.7
17.5°	538.5	521.1	541.1	558.5	547.9	550.5	558.5	561.2	567.9	562.5	575.9
20°	414.2	411.5	416.9	447.6	470.3	483.7	474.3	461.0	453.0	434.3	434.3
22.5°	351.4	356.7	366.1	391.5	420.9	428.9	418.2	387.5	363.5	360.8	362.1
25°	312.7	318.0	332.7	348.7	364.8	378.1	367.5	344.8	331.4	319.4	319.4
27.5°	288.6	291.3	299.3	311.3	324.7	335.4	331.4	319.4	304.7	299.3	287.3
30°	269.9	273.9	283.3	286.0	297.9	303.3	296.6	293.9	284.6	278.0	273.9
32.5°	260.6	259.3	265.9	268.6	269.9	273.9	265.9	269.9	268.6	257.9	253.8
35°	196.5	207.1	224.5	239.2	243.2	248.5	247.2	241.9	227.1	215.1	200.4
37.5°	176.4	183.1	192.4	204.4	220.5	227.1	224.5	211.1	193.7	185.7	183.1
40°	163.0	167.0	175.1	183.1	199.1	211.1	201.8	189.7	176.4	169.7	165.7
42.5°	151.0	152.3	156.4	164.4	176.4	195.0	179.1	163.0	157.7	153.6	151.0
45°	137.7	137.7	143.0	147.0	160.4	177.7	161.7	147.0	144.3	141.6	140.3
47.5°	126.9	128.3	130.9	136.3	147.0	159.0	148.3	136.3	129.6	128.3	125.6
50°	113.6	114.9	120.3	125.6	139.0	145.6	139.0	125.6	118.9	114.9	114.9
52°	102.9	106.9	112.2	122.9	132.2	143.0	135.0	120.3	112.2	108.2	105.5
52.5°	101.6	104.2	109.5	121.6	132.2	141.6	133.6	118.9	109.5	106.9	104.2
55°	90.8	94.9	104.2	118.9	130.9	141.6	130.9	117.6	104.2	97.6	94.9
57.5°	86.8	89.5	101.6	120.3	129.6	141.6	130.9	117.6	104.2	92.2	89.5
60°	82.8	88.2	101.6	116.3	128.3	143.0	132.2	116.3	101.6	86.8	86.8
62.5°	78.8	82.8	100.2	113.6	122.9	137.7	126.9	113.6	97.6	82.8	81.5
65°	68.1	74.9	88.2	94.9	105.5	118.9	108.2	98.9	85.5	73.5	72.2
67.5°	52.1	54.8	65.5	73.5	80.2	92.2	86.8	74.9	65.5	56.1	56.1
70°	36.1	38.8	46.7	50.7	57.5	64.1	60.1	50.7	44.1	38.8	37.4
72.5°	25.4	26.7	29.4	32.1	34.8	37.4	36.1	29.4	25.4	24.0	22.7
75°	20.0	22.7	24.0	22.7	21.4	20.0	20.0	17.4	14.7	13.4	13.4
77.5°	20.0	21.4	20.0	17.4	14.7	13.4	12.1	10.7	8.0	6.7	8.0
80°	17.4	17.4	17.4	14.7	13.4	12.1	10.7	9.3	8.0	6.7	6.7
82.5°	18.7	18.7	17.4	14.7	14.7	12.1	12.1	10.7	9.3	6.7	6.7
85°	0.0	0.0	0.0	2.7	6.7	12.1	12.1	10.7	9.3	8.0	8.0
87.5°	0.0	0.0	0.0	0.0	1.3	2.7	5.3	6.7	8.0	8.0	8.0
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: P649263

CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3
2.5°	2950.3	3001.1	3097.2	3193.5	3252.3	3321.7	3447.3	3514.2	3601.0	3643.8	3727.9
5°	2377.0	2497.3	2540.1	2649.7	2767.2	2884.8	3071.9	3277.6	3448.7	3566.3	3718.6
7.5°	1734.3	1762.5	1928.1	2001.6	2194.0	2407.8	2663.0	2922.2	3138.7	3331.1	3447.3
10°	1300.1	1403.0	1507.2	1647.5	1802.5	2023.0	2267.5	2553.4	2834.1	3026.5	3173.4
12.5°	1044.9	1126.4	1265.3	1416.4	1607.4	1753.1	1998.9	2282.2	2645.7	2834.1	3027.8
15°	791.0	895.2	1052.9	1209.3	1411.0	1564.7	1813.2	2169.9	2637.6	2896.9	3063.9
17.5°	586.5	657.4	799.1	974.1	1179.8	1396.3	1731.7	2157.9	2727.1	3035.8	3208.2
20°	449.0	473.0	562.5	718.9	942.0	1225.3	1599.4	2210.0	2991.7	3373.9	3548.9
22.5°	363.5	374.1	408.9	517.1	733.6	1075.6	1536.6	2246.1	3289.7	3778.8	4012.6
25°	316.6	314.0	336.7	383.5	573.2	935.3	1456.5	2382.4	3654.5	4254.4	4464.2
27.5°	288.6	288.6	299.3	332.7	475.7	844.5	1405.6	2479.9	4021.9	4672.6	4786.2
30°	273.9	276.6	307.3	318.0	395.5	736.3	1321.5	2578.8	4373.3	4939.9	5096.2
32.5°	253.8	243.2	236.5	263.2	332.7	638.7	1237.3	2620.2	4657.9	5267.2	5400.8
35°	195.0	189.7	197.8	217.8	286.0	555.9	1143.8	2667.1	4985.3	5646.7	5673.5
37.5°	176.4	175.1	180.4	197.8	240.5	483.7	1076.9	2655.0	5235.1	5960.7	5888.6
40°	163.0	163.0	167.0	181.7	215.1	432.9	1007.5	2644.3	5477.0	6313.5	6102.3
42.5°	152.3	152.3	159.0	168.3	204.4	399.5	955.3	2629.6	5680.1	6529.9	6228.0
45°	137.7	141.6	152.3	161.7	207.1	376.8	916.7	2573.5	5749.6	6527.2	6167.8
47.5°	126.9	132.2	143.0	156.4	187.1	370.1	889.9	2524.1	5725.5	6366.9	5979.4
50°	114.9	121.6	136.3	159.0	159.0	356.7	861.8	2568.2	5708.1	6242.6	5799.1
52°	106.9	112.2	130.9	155.0	139.0	328.7	844.5	2653.7	5779.0	6226.6	5718.9
52.5°	105.5	109.5	126.9	152.3	132.2	323.4	832.4	2673.7	5801.7	6186.6	5773.6
55°	93.6	98.9	116.3	118.9	108.2	265.9	793.7	2719.1	5689.4	6107.7	5721.5
57.5°	88.2	90.8	102.9	97.6	93.6	200.4	682.8	2648.3	5053.4	5424.9	5323.4
60°	81.5	84.2	96.2	76.2	78.8	140.3	513.1	2299.6	4058.0	4520.3	4703.3
62.5°	78.8	77.5	90.8	61.5	66.8	101.6	362.1	1869.3	3126.7	3721.3	4037.9
65°	69.5	68.1	65.5	52.1	57.5	78.8	216.5	1219.9	2203.4	2815.4	2989.0
67.5°	53.5	56.1	48.1	41.4	48.1	61.5	120.3	546.5	1155.8	1688.9	1829.2
70°	37.4	40.1	38.8	36.1	42.8	50.7	69.5	187.1	478.3	887.2	978.1
72.5°	22.7	28.0	29.4	30.7	37.4	44.1	49.4	60.1	126.9	314.0	390.2
75°	13.4	18.7	22.7	26.7	30.7	37.4	41.4	42.8	44.1	58.8	94.9
77.5°	9.3	13.4	20.0	25.4	30.7	37.4	44.1	46.7	44.1	41.4	44.1
80°	8.0	13.4	18.7	24.0	32.1	38.8	44.1	44.1	42.8	37.4	40.1
82.5°	8.0	13.4	20.0	25.4	30.7	37.4	42.8	44.1	40.1	37.4	38.8
85°	9.3	14.7	21.4	26.7	33.4	30.7	28.0	22.7	21.4	17.4	18.7
87.5°	9.3	13.4	13.4	14.7	16.1	16.1	16.1	14.7	12.1	10.7	10.7
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: P649263

CATALOG NUMBER: GLAN-SA2D-835-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3	3415.3
2.5°	3731.9	3838.8	3834.8	3837.5	3821.5	3713.2	3661.2	3528.8	3566.3	3550.2
5°	3874.9	3980.5	4071.4	4060.6	3937.7	3790.7	3573.0	3367.2	3311.1	3228.2
7.5°	3731.9	3985.9	4070.0	4058.0	3876.2	3687.9	3340.4	3134.7	3037.2	2982.4
10°	3504.8	3798.8	3903.0	3924.4	3801.5	3515.5	3196.1	2866.1	2814.0	2719.1
12.5°	3375.2	3589.0	3653.1	3710.6	3667.8	3454.0	3086.6	2769.9	2697.7	2635.0
15°	3269.7	3396.6	3423.3	3488.7	3514.2	3399.2	3144.1	2874.2	2696.4	2689.8
17.5°	3367.2	3315.1	3217.5	3237.5	3317.7	3400.6	3292.4	3079.9	2907.5	2886.1
20°	3528.8	3299.0	3078.6	3128.0	3194.8	3448.7	3516.8	3367.2	3268.3	3213.5
22.5°	3714.6	3327.1	3034.4	3058.6	3185.5	3556.9	3880.3	3797.4	3613.1	3534.2
25°	4058.0	3404.6	3069.2	3085.3	3258.9	3707.9	4208.9	4270.4	4160.9	4144.8
27.5°	4393.3	3605.0	3145.4	3109.3	3296.4	3854.9	4408.1	4738.1	4545.7	4508.3
30°	4564.4	3768.0	3258.9	3197.5	3451.4	3944.4	4528.3	5042.8	4874.4	4857.0
32.5°	4826.3	3916.3	3347.2	3268.3	3538.2	4055.3	4752.8	5375.5	5212.4	5125.6
35°	4935.9	4078.0	3540.9	3448.7	3786.7	4210.3	4867.7	5672.1	5621.3	5537.1
37.5°	5147.0	4251.8	3769.4	3764.0	4087.4	4412.0	5074.9	6075.6	6066.3	5920.7
40°	5164.4	4441.5	4130.2	4298.5	4552.4	4763.5	5256.5	6187.9	6340.2	6241.3
42.5°	5191.1	4774.2	4754.1	4893.1	5110.9	5065.5	5263.2	6214.6	6447.1	6388.3
45°	5203.1	5106.9	5388.8	5645.4	5736.3	5461.0	5200.5	6163.8	6503.2	6356.2
47.5°	5106.9	5392.8	5901.9	6397.7	6424.4	5704.2	5173.7	6111.7	6536.6	6439.1
50°	5120.3	5571.9	6345.5	6789.2	6691.6	5919.3	5132.3	6079.6	6519.3	6453.8
52°	5088.2	5575.9	6408.3	6781.1	6713.0	5800.4	5061.5	5956.7	6503.2	6550.0
52.5°	5124.3	5551.9	6342.8	6786.5	6698.3	5859.2	5052.1	6024.9	6512.5	6417.7
55°	5000.0	5265.9	5959.4	6147.8	6134.4	5318.0	4764.8	5799.1	6268.0	6269.4
57.5°	4519.0	4564.4	4674.0	4670.0	4608.5	4180.9	4075.4	5332.7	5587.9	5449.0
60°	3981.8	3341.8	3046.5	2926.2	2858.1	2788.6	3605.0	4878.4	4902.4	4843.6
62.5°	3440.7	2317.0	1924.1	1890.7	1906.8	2160.6	3484.7	4698.0	4553.7	4426.8
65°	2776.6	1688.9	1397.7	1353.6	1509.9	1783.8	2820.7	3602.3	3380.5	3275.0
67.5°	1743.7	1232.0	944.7	861.8	1050.2	1228.0	1853.3	2263.5	2015.0	1869.3
70°	1034.2	688.1	427.6	383.5	431.6	654.7	1038.2	1129.1	934.0	859.2
72.5°	407.6	252.5	118.9	101.6	105.5	229.8	382.2	372.8	282.0	251.2
75°	109.5	76.2	41.4	33.4	28.0	42.8	61.5	40.1	14.7	18.7
77.5°	50.7	45.4	36.1	28.0	21.4	16.1	8.0	2.7	2.7	1.3
80°	44.1	38.8	33.4	28.0	21.4	13.4	6.7	1.3	1.3	1.3
82.5°	41.4	36.1	30.7	25.4	20.0	13.4	6.7	1.3	0.0	0.0
85°	17.4	22.7	25.4	24.0	21.4	13.4	6.7	1.3	0.0	0.0
87.5°	9.3	8.0	6.7	5.3	4.0	2.7	2.7	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)