

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: P526808

Luminaire Tested: **GLAN-SA1D-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526808
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-SA1D-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS 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: 5430 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

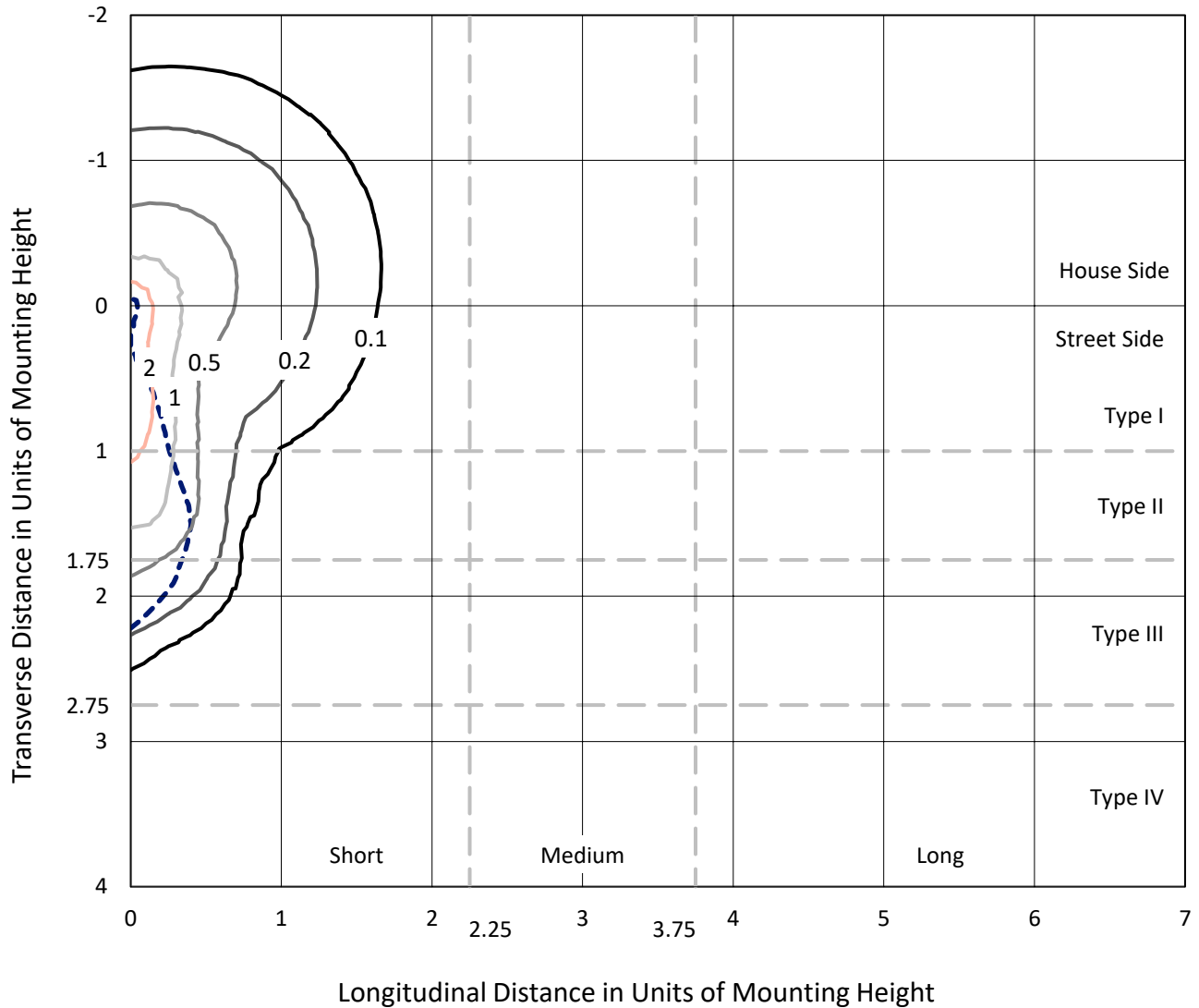
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526808
 CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

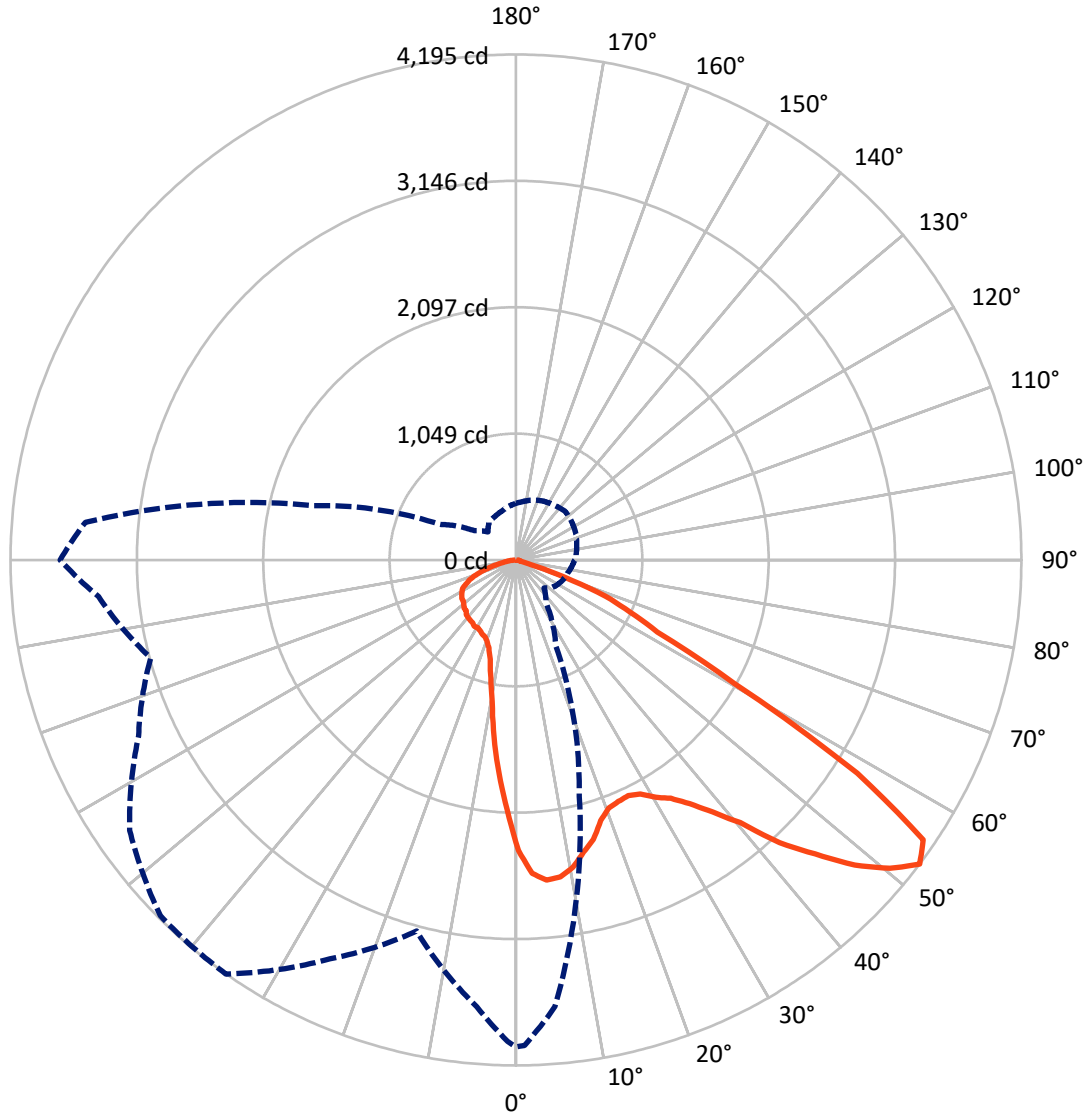
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

REPORT NUMBER: P526808
CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526808
 CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1636.9	0.0	1636.9
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	3793.1	0.0	3793.1
	% Fixture	69.9	0.0	69.9
Total	Lumens	5430.0	0.0	5430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	3.4
10°-20°	398.6	7.3
20°-30°	602.2	11.1
30°-40°	870.2	16.0
40°-50°	1158.1	21.3
50°-60°	1295.3	23.9
60°-70°	730.1	13.4
70°-80°	162.7	3.0
80°-90°	29.0	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°	5430.0	100.0
0°-180°	5430.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526808

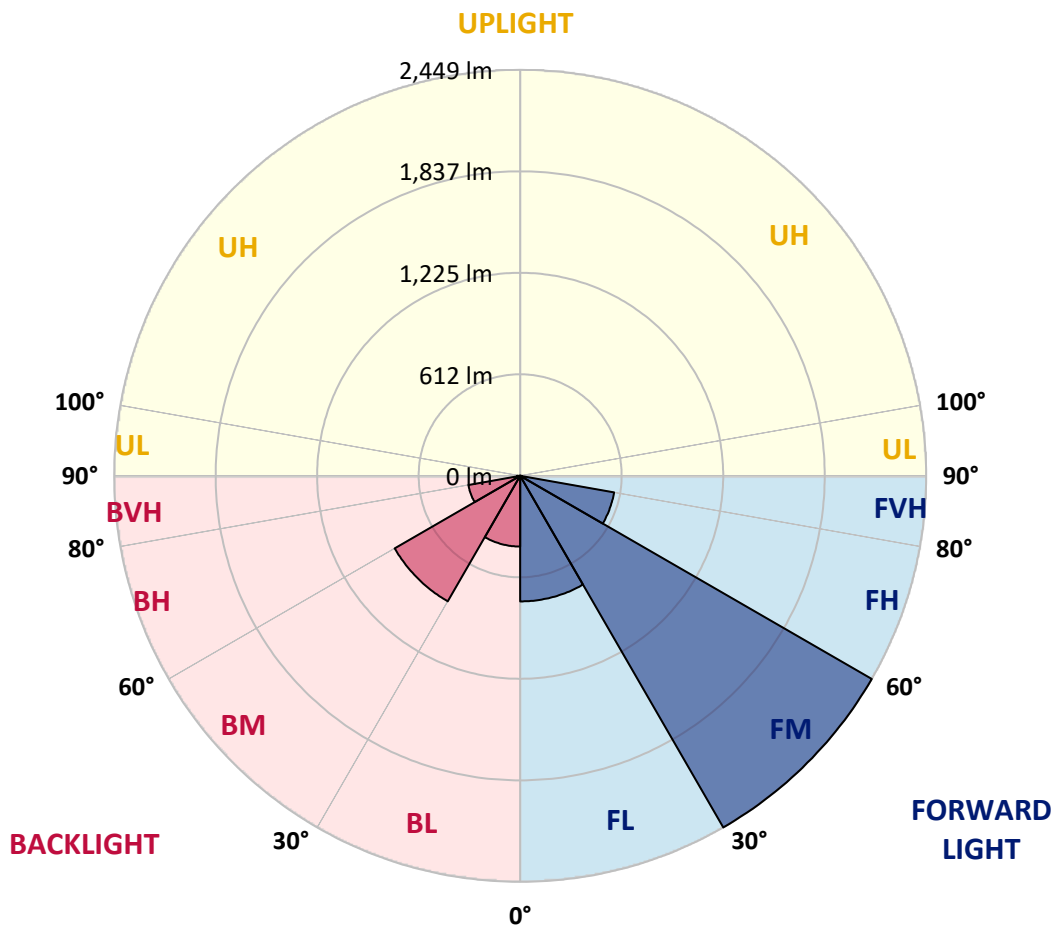
CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.7	14.0			
FM (30°-60°)	2449.3	45.1			
FH (60°-80°)	575.5	10.6			G0/660
FVH (80°-90°)	10.5	0.2			G1/100
BL (0°-30°)	426.9	7.9	B1/500		
BM (30°-60°)	874.3	16.1	B1/1000		
BH (60°-80°)	317.3	5.8	B1/500		G1/500
BVH (80°-90°)	18.5	0.3			G1/100
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: P526808

CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9
2.5°	2450.0	2489.4	2446.9	2371.3	2317.8	2269.0	2217.8	2207.6	2140.7	2128.9	2080.1
5°	2310.7	2302.0	2250.1	2150.9	2041.5	1942.4	1869.2	1798.3	1750.3	1694.5	1690.5
7.5°	2141.5	2091.1	2061.2	1910.9	1775.5	1619.7	1552.8	1445.0	1411.1	1360.8	1334.8
10°	1990.4	1953.4	1883.3	1733.0	1544.1	1441.0	1369.4	1311.2	1271.8	1219.9	1154.6
12.5°	1915.6	1900.7	1822.0	1589.0	1448.9	1338.7	1288.4	1231.7	1164.8	1081.4	1049.1
15°	1929.0	1878.6	1818.8	1561.5	1367.8	1261.6	1181.3	1110.5	1024.7	945.2	898.8
17.5°	2028.9	1990.4	1870.8	1578.8	1337.2	1183.7	1038.1	933.4	856.3	784.7	752.4
20°	2225.7	2169.8	2035.2	1600.8	1271.0	1075.1	908.2	779.2	696.5	658.7	647.7
22.5°	2443.7	2410.7	2195.8	1650.4	1218.3	974.3	770.5	641.4	610.7	600.5	621.0
25°	2708.9	2623.2	2445.3	1731.5	1177.4	888.6	654.0	582.4	566.7	576.9	600.5
27.5°	2910.4	2887.6	2620.0	1807.8	1121.5	785.4	588.7	541.5	546.2	556.4	578.5
30°	3149.7	3034.0	2789.2	1860.5	1071.1	714.6	543.0	530.5	535.2	552.5	563.5
32.5°	3293.7	3250.4	2895.5	1940.0	1012.9	653.2	507.6	495.8	502.9	528.9	554.9
35°	3477.1	3391.3	3026.9	1960.5	972.0	628.8	482.4	473.8	490.3	508.4	537.5
37.5°	3691.1	3632.1	3208.7	1946.3	949.9	603.6	461.2	457.3	469.1	494.3	528.1
40°	3817.9	3799.8	3303.9	1955.0	915.3	581.6	436.8	441.5	465.9	485.6	518.6
42.5°	3939.8	3821.8	3444.8	1951.8	893.3	551.7	439.2	433.7	452.5	475.4	506.8
45°	3966.6	3849.3	3477.9	1929.8	866.5	522.6	421.1	423.4	446.2	474.6	495.0
47.5°	3949.3	3862.7	3539.2	1923.5	841.3	502.1	394.3	422.6	436.0	458.8	488.0
50°	3937.5	3932.8	3591.2	1953.4	807.5	469.9	362.0	412.4	425.8	448.6	480.1
52.5°	4041.4	4031.1	3721.0	2032.1	780.7	435.2	329.0	386.4	418.7	440.7	471.4
55°	4104.3	4059.5	3943.8	2128.9	735.9	389.6	306.2	354.2	401.4	421.1	452.5
57.5°	3691.9	3661.2	3567.6	1987.2	660.3	329.8	277.8	321.1	377.8	408.5	440.7
60°	3071.8	3023.7	2783.7	1689.0	487.2	256.6	260.5	295.1	371.5	383.3	421.1
62.5°	2896.2	2777.4	2450.8	1359.2	373.8	220.4	233.7	271.5	338.4	358.1	395.9
65°	2298.1	2210.0	1753.5	981.4	250.3	191.2	213.3	244.8	292.0	330.6	365.2
67.5°	1438.7	1354.5	935.8	464.3	174.7	163.7	190.5	223.5	262.1	296.7	335.3
70°	751.6	659.5	432.1	167.6	120.4	133.8	159.0	190.5	228.2	256.6	286.5
72.5°	280.2	227.4	140.9	72.4	83.4	102.3	129.1	151.9	178.7	213.3	229.8
75°	43.3	37.0	36.2	44.1	56.7	74.0	92.1	114.9	138.5	160.6	171.6
77.5°	20.5	19.7	22.0	29.1	37.8	52.7	66.9	88.9	107.8	122.0	128.3
80°	13.4	12.6	14.2	19.7	28.3	39.4	53.5	68.5	85.8	97.6	96.0
82.5°	7.9	8.7	8.7	13.4	19.7	28.3	38.6	51.9	63.7	74.0	67.7
85°	4.7	3.9	3.9	7.9	13.4	22.8	32.3	22.0	22.8	22.8	26.0
87.5°	1.6	1.6	1.6	0.8	1.6	1.6	2.4	3.9	4.7	5.5	7.1
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: P526808

CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9
2.5°	2078.5	2102.9	2094.3	2063.6	2087.2	2091.1	2075.4	2129.7	2139.9	2123.4	2128.1
5°	1685.0	1691.3	1705.5	1735.4	1756.6	1781.8	1781.8	1783.4	1762.1	1815.7	1799.9
7.5°	1312.8	1316.7	1333.2	1397.0	1415.1	1463.1	1483.5	1469.4	1426.9	1408.8	1423.7
10°	1133.3	1110.5	1105.0	1112.9	1153.8	1174.2	1191.6	1186.8	1179.7	1165.6	1149.8
12.5°	1013.7	997.2	983.8	964.9	967.3	986.9	1000.3	989.3	992.4	995.6	1000.3
15°	883.8	872.0	864.9	836.6	833.5	846.8	851.6	857.9	869.7	870.4	864.9
17.5°	746.1	735.9	751.6	767.3	756.3	757.1	765.8	771.3	768.1	754.0	746.9
20°	651.7	662.7	678.4	693.4	705.2	712.3	715.4	706.7	696.5	667.4	666.6
22.5°	624.1	638.3	651.7	674.5	685.5	703.6	687.1	667.4	653.2	639.1	622.5
25°	603.6	615.5	642.2	650.9	672.1	687.1	675.3	655.6	631.2	610.7	598.1
27.5°	588.7	602.1	619.4	643.0	659.5	668.2	656.4	648.5	623.3	598.9	580.8
30°	579.2	593.4	624.9	644.6	658.7	665.8	645.4	635.9	617.8	597.4	581.6
32.5°	573.0	585.5	612.3	637.5	646.9	646.9	650.1	639.1	613.9	579.2	565.9
35°	552.5	569.8	591.8	621.0	638.3	648.5	632.8	620.2	603.6	568.2	543.8
37.5°	540.7	552.5	580.8	608.4	623.3	634.3	628.0	606.0	584.0	554.9	535.2
40°	528.1	547.0	572.2	598.1	614.7	625.7	621.0	595.0	568.2	540.7	527.3
42.5°	519.4	532.0	558.0	587.1	606.8	628.0	613.9	581.6	562.7	524.9	510.0
45°	512.4	532.8	560.4	572.2	592.6	614.7	589.5	569.8	547.8	520.2	507.6
47.5°	503.7	522.6	540.7	572.2	581.6	591.8	587.1	555.6	536.8	506.8	498.2
50°	500.5	507.6	540.7	558.0	571.4	581.6	569.0	545.4	527.3	496.6	477.7
52.5°	488.0	501.3	522.6	545.4	561.9	574.5	554.1	539.1	514.7	482.4	470.6
55°	472.2	480.1	517.9	541.5	550.1	558.8	550.9	526.5	501.3	468.3	456.5
57.5°	451.8	469.9	500.5	533.6	544.6	549.3	536.8	517.1	485.6	456.5	437.6
60°	430.5	449.4	483.2	510.0	521.0	538.3	519.4	507.6	471.4	439.2	418.7
62.5°	409.3	430.5	455.7	489.5	499.0	506.1	501.3	484.8	455.7	419.5	394.3
65°	384.1	399.8	431.3	448.6	454.9	471.4	454.9	448.6	422.6	388.0	366.8
67.5°	346.3	359.7	387.2	403.7	408.5	415.5	414.8	407.7	378.6	354.9	336.1
70°	303.0	314.8	332.1	351.8	354.2	362.8	354.9	353.4	334.5	302.2	292.0
72.5°	243.2	254.2	277.0	285.7	286.5	289.6	285.7	280.2	275.5	241.6	231.4
75°	186.5	192.8	203.8	211.7	211.7	215.6	213.3	207.8	195.2	173.9	163.7
77.5°	129.9	136.2	150.3	155.0	154.3	155.8	148.7	143.2	124.3	113.3	104.7
80°	94.4	98.4	105.5	108.6	109.4	111.8	103.1	98.4	87.4	74.8	70.8
82.5°	68.5	70.8	71.6	75.6	75.6	71.6	69.3	64.5	56.7	48.8	45.6
85°	28.3	29.1	29.9	34.6	35.4	42.5	39.4	37.0	32.3	27.5	25.2
87.5°	7.1	7.9	10.2	8.7	10.2	10.2	11.0	12.6	12.6	10.2	10.2
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: P526808

CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9
2.5°	2146.2	2152.5	2232.8	2243.0	2282.4	2322.5	2403.6	2461.8	2509.0	2539.7	2548.4
5°	1816.5	1856.6	1893.6	1953.4	2007.7	2084.8	2173.8	2283.9	2422.5	2493.3	2521.6
7.5°	1422.2	1469.4	1522.9	1581.1	1660.6	1799.1	1918.0	2045.5	2222.6	2295.7	2406.7
10°	1160.9	1213.6	1284.4	1329.3	1425.3	1557.5	1696.0	1843.2	2012.4	2117.9	2246.2
12.5°	1026.3	1069.6	1134.9	1229.3	1301.0	1386.7	1489.8	1675.6	1918.0	2017.9	2106.1
15°	877.5	925.5	1001.1	1105.8	1191.6	1293.9	1409.6	1611.8	1870.0	2024.2	2099.0
17.5°	754.8	789.4	868.9	959.4	1057.8	1169.5	1335.6	1608.7	1920.3	2117.9	2239.9
20°	669.8	674.5	717.8	794.9	928.7	1074.3	1289.9	1592.9	2081.7	2279.2	2433.5
22.5°	616.2	611.5	612.3	677.6	771.3	980.6	1218.3	1646.5	2265.1	2535.8	2639.7
25°	589.5	576.9	569.0	583.2	668.2	869.7	1164.0	1717.3	2462.6	2747.5	2875.0
27.5°	575.3	553.3	537.5	539.9	602.1	813.8	1130.2	1748.0	2658.6	3042.6	3087.5
30°	569.8	542.3	519.4	511.6	552.5	735.9	1057.8	1800.7	2834.1	3204.8	3243.3
32.5°	550.1	516.3	494.3	487.2	503.7	667.4	1005.8	1838.5	2989.1	3381.1	3367.7
35°	527.3	499.0	471.4	458.0	469.9	623.3	964.1	1820.4	3171.7	3518.0	3510.9
37.5°	524.9	488.0	465.1	443.1	442.3	569.0	907.4	1837.7	3288.2	3763.5	3666.7
40°	504.5	480.9	451.0	432.9	422.6	541.5	852.3	1796.8	3459.0	3862.7	3767.5
42.5°	505.3	469.9	443.9	422.6	412.4	501.3	814.6	1785.8	3518.8	4024.1	3814.7
45°	492.7	458.0	436.0	410.8	405.3	470.6	778.4	1734.6	3624.2	4031.9	3755.7
47.5°	480.1	449.4	425.8	395.9	383.3	459.6	750.0	1692.1	3569.2	3957.9	3673.8
50°	471.4	436.0	414.0	392.7	357.3	440.7	713.0	1681.9	3492.0	3858.0	3521.9
52.5°	456.5	425.0	402.2	385.6	329.0	423.4	698.9	1741.7	3586.5	3783.2	3477.9
55°	442.3	410.0	380.9	348.7	305.4	377.8	659.5	1797.6	3724.2	3955.6	3677.8
57.5°	427.4	396.7	365.2	326.6	282.5	330.6	618.6	1807.8	3466.1	3655.7	3491.2
60°	407.7	368.3	344.7	294.3	258.1	273.9	490.3	1593.7	2688.5	3052.9	3058.4
62.5°	385.6	343.1	322.7	263.7	233.0	236.1	399.8	1339.5	2180.8	2527.1	2677.5
65°	356.5	315.6	291.2	244.0	214.9	204.6	292.8	981.4	1656.7	2050.2	2221.0
67.5°	318.7	280.2	249.5	212.5	192.0	175.5	199.9	552.5	978.3	1376.5	1428.4
70°	278.6	245.6	213.3	182.6	159.8	148.0	146.4	244.8	467.5	740.6	842.9
72.5°	219.6	196.0	170.0	147.2	132.2	114.9	104.7	101.5	158.2	301.4	416.3
75°	157.4	137.7	122.8	107.8	96.8	87.4	79.5	72.4	66.1	75.6	103.9
77.5°	99.2	92.1	80.3	76.3	70.0	67.7	64.5	60.6	55.9	52.7	52.7
80°	66.9	62.2	58.2	57.5	55.1	54.3	55.1	51.2	46.4	42.5	44.1
82.5°	44.9	44.1	43.3	42.5	43.3	44.1	45.6	44.9	40.9	38.6	39.4
85°	26.8	28.3	29.9	31.5	34.6	30.7	25.2	21.2	18.9	17.3	16.5
87.5°	10.2	14.2	12.6	11.8	12.6	11.8	11.0	10.2	8.7	7.9	7.9
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: P526808

CATALOG NUMBER: GLAN-SA1D-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9	2409.9
2.5°	2605.8	2621.6	2635.0	2631.8	2604.3	2567.3	2552.3	2476.0	2460.2	2450.0
5°	2641.3	2732.5	2752.2	2740.4	2668.8	2578.3	2490.1	2378.4	2313.1	2310.7
7.5°	2575.9	2688.5	2723.9	2750.6	2655.4	2498.0	2346.9	2179.3	2138.3	2141.5
10°	2409.9	2589.3	2676.7	2704.2	2594.8	2458.7	2249.3	2079.3	1992.0	1990.4
12.5°	2317.8	2458.7	2483.1	2521.6	2489.4	2351.6	2192.6	2002.2	1917.2	1915.6
15°	2235.9	2328.8	2335.9	2390.2	2407.5	2314.6	2207.6	2004.6	1936.1	1929.0
17.5°	2307.6	2243.0	2216.3	2223.3	2274.5	2308.3	2294.2	2138.3	2068.3	2028.9
20°	2355.6	2211.5	2130.5	2138.3	2198.9	2322.5	2423.2	2332.0	2221.0	2225.7
22.5°	2483.8	2216.3	2089.5	2080.9	2176.9	2396.5	2568.8	2576.7	2469.7	2443.7
25°	2675.9	2270.6	2077.0	2074.6	2166.7	2476.0	2738.8	2866.3	2756.9	2708.9
27.5°	2830.1	2355.6	2116.3	2124.2	2198.9	2540.5	2883.7	3052.9	2969.4	2910.4
30°	2965.5	2443.7	2171.4	2135.2	2285.5	2574.4	2945.8	3265.4	3198.5	3149.7
32.5°	3021.4	2568.8	2258.8	2198.9	2357.1	2615.3	3074.9	3471.6	3414.1	3293.7
35°	3115.8	2638.9	2306.0	2301.3	2482.3	2713.7	3135.5	3607.7	3584.1	3477.1
37.5°	3191.4	2709.7	2473.6	2421.7	2653.8	2878.9	3233.1	3795.8	3741.5	3691.1
40°	3249.6	2836.4	2630.2	2698.7	2864.8	3029.3	3322.8	3807.6	3964.2	3817.9
42.5°	3196.1	2949.8	2887.6	3051.3	3208.7	3200.8	3333.0	3898.9	4016.2	3939.8
45°	3182.7	3141.8	3294.5	3443.2	3479.4	3343.3	3259.9	3798.2	4000.4	3966.6
47.5°	3150.5	3330.7	3596.7	3839.1	3784.0	3438.5	3172.5	3780.1	4009.9	3949.3
50°	3139.4	3371.6	3820.2	4056.3	4023.3	3521.1	3131.6	3663.6	3943.0	3937.5
52.5°	3138.7	3455.8	3913.1	4174.4	4194.8	3651.8	3187.4	3722.6	3994.9	4041.4
55°	3174.1	3429.1	3901.3	4109.1	4101.2	3593.6	3193.7	3762.0	4058.7	4104.3
57.5°	2993.8	3071.8	3219.7	3384.2	3341.7	2976.5	2852.2	3477.9	3725.0	3691.9
60°	2585.4	2341.4	2174.5	2166.7	2084.0	1969.9	2334.3	3104.0	3104.0	3071.8
62.5°	2264.3	1537.1	1320.6	1259.2	1318.3	1449.7	2251.7	3019.0	2933.2	2896.2
65°	1980.2	1173.5	954.7	937.3	1039.7	1238.0	2036.0	2572.0	2420.9	2298.1
67.5°	1274.2	859.4	709.9	679.2	802.8	909.0	1355.3	1581.9	1486.7	1438.7
70°	821.7	559.6	395.1	370.7	418.7	560.4	865.7	922.4	783.9	751.6
72.5°	388.8	241.6	138.5	114.1	128.3	214.1	342.4	368.3	306.2	280.2
75°	123.6	88.9	56.7	48.8	46.4	55.1	78.7	60.6	44.1	43.3
77.5°	55.1	52.7	44.9	37.8	33.1	27.5	22.8	18.9	19.7	20.5
80°	45.6	41.7	37.0	33.1	27.5	21.2	16.5	12.6	12.6	13.4
82.5°	40.1	36.2	32.3	27.5	23.6	17.3	12.6	8.7	7.9	7.9
85°	17.3	20.5	22.0	23.6	18.9	14.2	8.7	5.5	4.7	4.7
87.5°	7.1	6.3	5.5	4.7	3.9	3.9	3.1	2.4	1.6	1.6
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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