

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: P458615

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-735-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6285 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

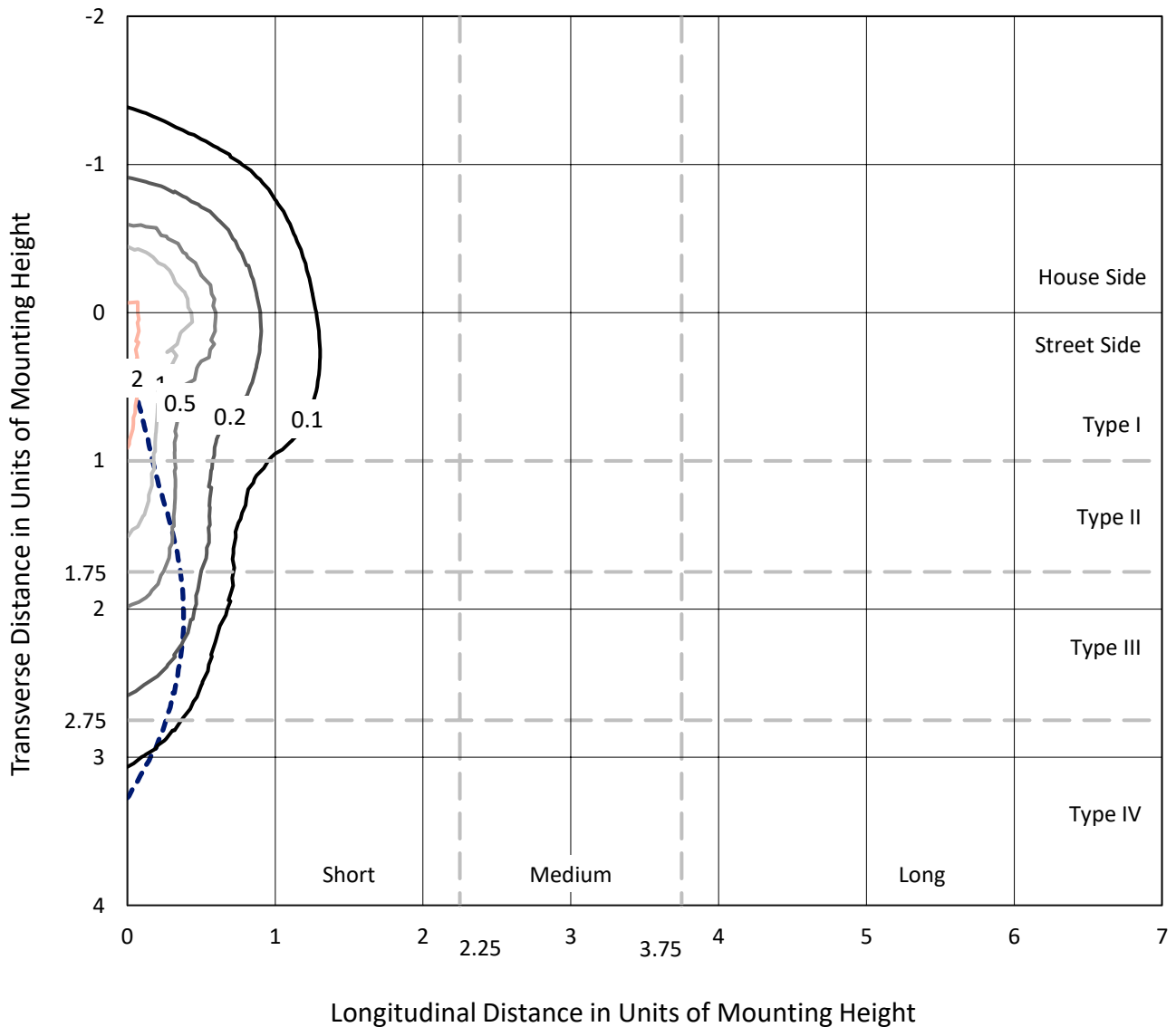
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P458615
 CATALOG NUMBER: GLAN-SA1D-735-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

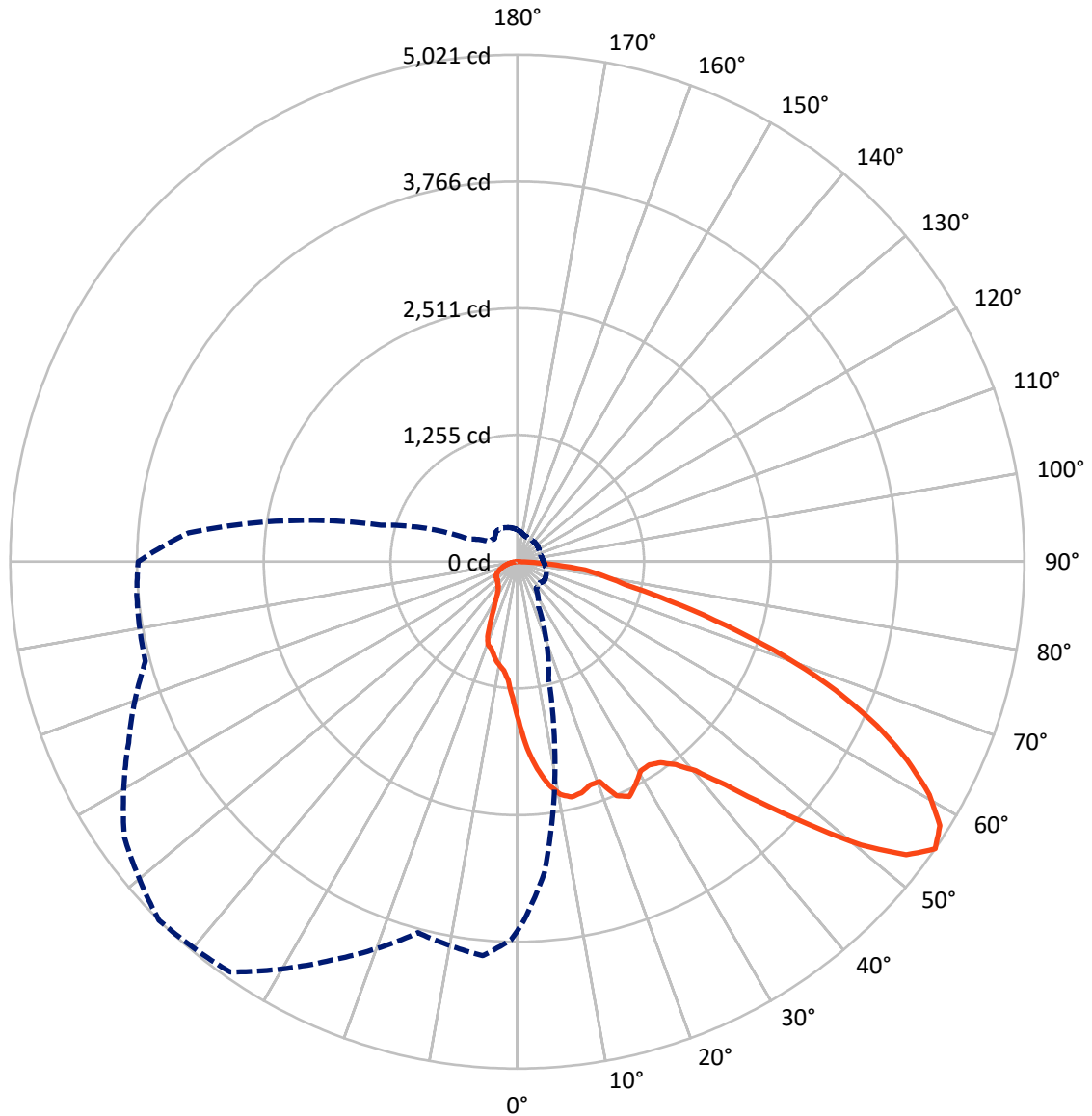
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P458615
CATALOG NUMBER: GLAN-SA1D-735-U-SLR

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P458615

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1374.8	0.0	1374.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	4910.2	0.0	4910.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	6285.0	0.0	6285.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	2.1
10°-20°	354.7	5.6
20°-30°	612.7	9.7
30°-40°	712.0	11.3
40°-50°	993.4	15.8
50°-60°	1348.0	21.4
60°-70°	1282.4	20.4
70°-80°	692.8	11.0
80°-90°	155.3	2.5
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°	6285.0	100.0
0°-180°	6285.0	100.0

Coefficient of Utilization



REPORT NUMBER: P458615

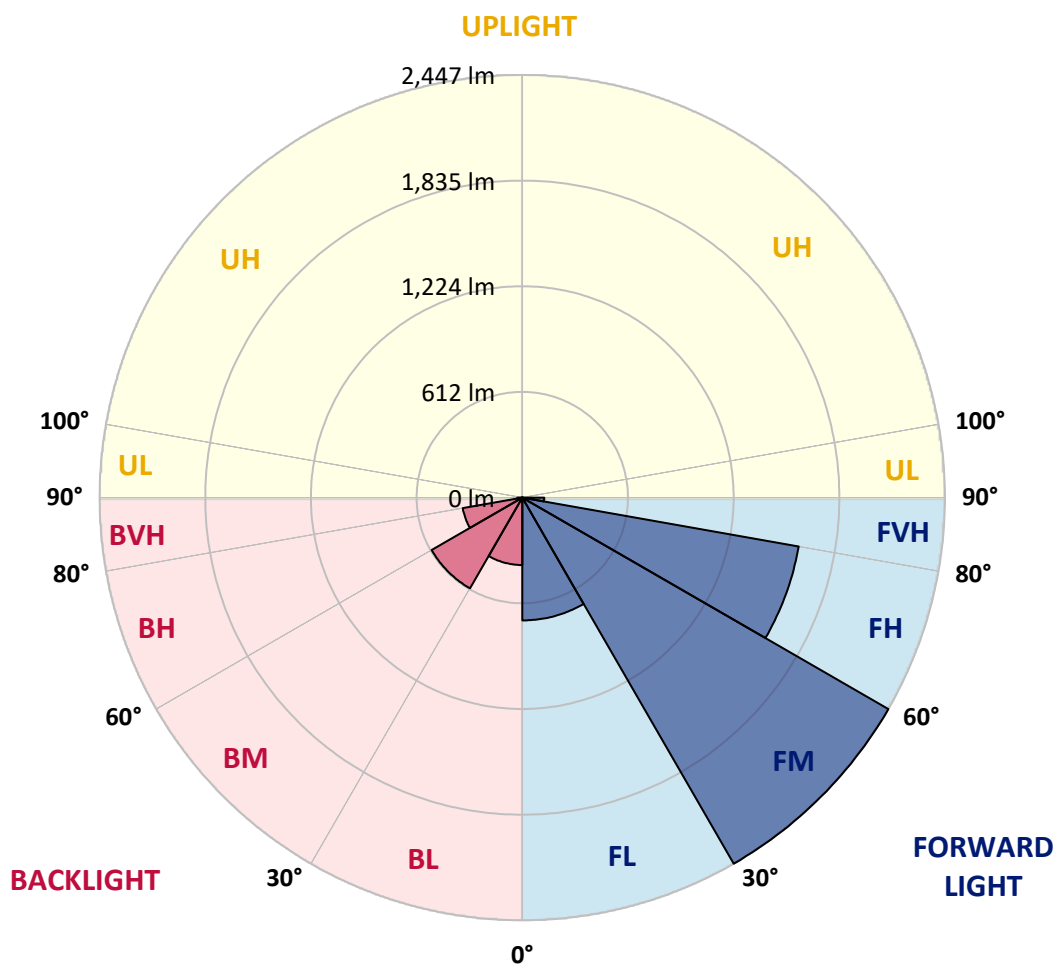
CATALOG NUMBER: GLAN-SA1D-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	710.8	11.3			
FM (30°-60°)	2447.3	38.9			
FH (60°-80°)	1625.2	25.9			G1/1800
FVH (80°-90°)	126.9	2.0			G2/225
BL (0°-30°)	390.2	6.2	B1/500		
BM (30°-60°)	606.2	9.6	B1/1000		
BH (60°-80°)	350.1	5.6	B1/500		G1/500
BVH (80°-90°)	28.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P458615

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3
2.5°	1752.3	1745.6	1727.0	1678.0	1628.7	1578.5	1540.0	1491.9	1441.7	1414.8	1380.3
5°	1776.3	1768.9	1724.9	1614.6	1514.7	1409.8	1326.0	1252.6	1222.8	1178.8	1143.6
7.5°	1719.9	1716.6	1650.7	1492.3	1355.5	1218.2	1123.3	1064.4	1010.9	991.0	995.1
10°	1668.5	1655.2	1572.7	1365.8	1206.2	1094.6	1026.6	969.0	931.3	921.3	923.4
12.5°	1625.8	1608.0	1510.5	1280.8	1141.1	1051.9	965.3	905.2	870.7	880.3	912.6
15°	1617.1	1593.0	1484.4	1251.8	1105.4	990.6	895.6	826.4	800.7	821.4	873.2
17.5°	1673.5	1643.2	1529.2	1261.3	1071.4	928.0	811.4	732.3	710.7	743.9	811.4
20°	1854.7	1809.9	1668.9	1316.5	1068.1	896.9	762.5	682.9	692.0	755.1	825.5
22.5°	2189.7	2122.5	1913.6	1396.9	1085.5	889.0	752.6	711.1	761.3	814.8	861.2
25°	2256.1	2203.4	1957.5	1415.2	1081.8	883.6	780.8	801.5	857.5	884.0	867.8
27.5°	2293.4	2233.2	1954.6	1324.8	967.4	801.5	746.4	780.8	794.9	769.2	725.2
30°	2380.4	2317.8	2004.0	1229.8	796.5	594.6	521.2	507.1	516.6	521.6	505.9
32.5°	2500.3	2438.5	2096.8	1167.6	688.7	491.8	419.6	399.7	395.2	389.8	383.5
35°	2655.4	2560.4	2188.1	1127.8	644.4	454.9	388.5	373.2	367.0	359.5	352.9
37.5°	2812.9	2713.4	2303.3	1085.9	614.9	429.2	367.8	360.7	350.0	342.1	332.5
40°	2980.4	2868.9	2408.2	1049.5	586.3	412.6	352.9	352.0	337.9	328.8	317.6
42.5°	3125.6	3010.7	2501.9	1027.1	564.3	395.2	343.7	346.2	331.7	318.0	303.5
45°	3240.8	3128.0	2588.6	1027.1	546.5	377.7	342.1	340.4	325.9	308.9	292.3
47.5°	3342.0	3225.5	2673.2	1053.2	535.3	363.2	333.0	335.9	320.9	299.4	283.2
50°	3420.4	3317.5	2787.2	1093.8	524.1	351.6	321.3	337.1	316.8	294.4	275.7
52.5°	3520.3	3428.2	2924.5	1149.4	514.6	338.8	311.0	337.1	316.4	294.8	274.5
55°	3658.8	3561.8	3089.9	1195.4	499.2	326.7	301.9	327.6	315.1	292.7	271.2
57.5°	3755.8	3683.2	3206.8	1226.1	477.3	311.4	293.6	318.4	309.7	284.9	261.2
58°	3760.4	3689.5	3223.8	1233.1	471.9	308.5	291.5	314.3	307.2	281.5	257.9
60°	3708.1	3647.2	3227.1	1223.2	441.2	294.0	280.7	297.3	294.0	262.1	240.1
62.5°	3518.2	3453.1	3093.2	1142.3	400.5	276.2	264.1	274.5	267.0	234.7	214.4
65°	3248.3	3128.5	2817.9	1015.5	371.5	257.1	241.7	242.6	234.7	211.5	193.6
67.5°	2888.8	2754.9	2385.8	855.8	349.5	235.9	215.2	213.1	203.6	188.7	174.1
70°	2446.4	2354.7	1938.9	696.2	325.1	212.7	185.3	184.1	178.3	167.1	154.2
72.5°	1982.8	1866.3	1565.7	557.3	295.2	190.3	157.6	160.1	152.6	144.7	133.1
75°	1463.3	1387.0	1210.3	447.0	255.0	165.9	131.4	132.3	129.0	120.7	111.5
77.5°	963.6	940.8	865.8	293.6	196.1	131.9	107.4	108.2	105.7	98.3	88.7
80°	648.5	633.2	586.7	189.1	131.0	95.4	82.9	83.8	83.3	75.5	62.6
82.5°	399.7	393.1	378.2	127.7	90.8	68.4	54.7	57.2	61.8	53.1	42.7
85°	188.7	189.1	228.5	69.7	53.5	44.0	29.9	31.9	31.9	31.9	24.0
87.5°	24.5	25.7	31.5	29.4	19.5	16.6	10.8	9.1	7.9	10.4	7.5
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: P458615
 CATALOG NUMBER: GLAN-SA1D-735-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3
2.5°	1368.3	1360.0	1342.2	1338.0	1335.6	1342.6	1323.9	1328.9	1320.6	1343.8	1340.1
5°	1145.6	1146.5	1161.0	1170.5	1173.8	1170.5	1158.1	1136.5	1119.9	1113.3	1115.0
7.5°	987.3	1001.8	1026.6	1054.4	1079.7	1087.2	1080.1	1039.1	994.3	966.1	957.0
10°	934.6	954.1	982.7	1004.7	1027.1	1044.9	1048.6	1016.7	963.6	896.9	870.7
12.5°	937.5	964.0	991.4	998.5	996.4	1003.4	1000.1	994.7	959.9	874.9	831.4
15°	910.1	941.6	960.7	957.0	950.4	944.1	935.4	921.7	909.3	849.6	801.5
17.5°	847.1	879.5	895.2	896.5	896.5	894.8	873.6	868.7	867.0	838.0	808.5
20°	858.7	876.5	869.5	857.9	861.2	872.4	860.0	857.5	867.0	879.9	874.5
22.5°	865.4	859.1	806.1	754.6	743.0	777.9	784.9	812.7	851.3	897.7	928.0
25°	824.3	774.1	679.2	621.1	588.4	620.7	663.0	714.4	772.1	831.8	867.0
27.5°	689.1	651.0	583.0	530.7	502.1	507.1	543.2	590.0	643.5	683.7	709.4
30°	519.1	502.1	466.9	449.1	431.6	427.5	442.8	460.7	484.3	489.3	495.9
32.5°	382.3	379.8	381.9	376.1	372.8	372.3	367.8	371.9	374.4	377.3	371.5
35°	345.8	342.5	336.7	335.0	333.0	333.8	331.7	329.6	331.3	333.8	335.4
37.5°	327.2	322.2	313.9	311.0	311.0	312.2	308.9	308.1	311.0	318.9	323.0
40°	312.6	306.8	297.3	293.6	296.1	299.4	294.8	293.2	300.2	308.5	315.1
42.5°	299.0	294.4	285.3	281.1	283.2	289.4	282.8	281.5	290.7	299.8	307.7
45°	287.3	282.8	274.5	272.4	273.2	279.1	274.5	274.5	283.2	293.2	300.2
47.5°	278.2	272.4	267.0	265.4	266.2	269.5	268.7	268.7	277.0	287.3	294.4
50°	269.1	264.1	257.1	257.9	260.0	264.5	264.1	265.4	273.7	286.5	294.0
52.5°	265.0	257.5	249.6	250.4	256.7	262.1	260.4	261.6	271.2	295.2	306.0
55°	260.4	250.4	241.3	242.6	249.6	257.5	255.4	257.1	268.3	301.0	316.0
57.5°	251.7	240.1	230.1	231.0	241.3	249.6	246.3	248.4	261.6	294.8	310.6
58°	248.0	238.0	228.5	228.9	238.8	248.0	244.2	245.9	259.6	293.2	308.1
60°	232.2	226.4	218.1	218.5	228.1	235.9	233.9	235.5	248.8	281.1	292.3
62.5°	210.6	207.3	205.2	205.2	211.1	218.5	220.6	222.7	234.7	254.2	264.1
65°	187.4	187.4	187.8	187.8	191.6	201.1	202.3	207.7	218.9	228.5	235.9
67.5°	171.7	170.8	171.7	169.6	171.2	177.1	183.3	188.2	199.9	206.5	209.0
70°	151.3	150.9	151.3	148.4	150.5	155.5	159.6	167.9	180.0	184.9	186.2
72.5°	131.4	131.4	132.3	130.2	130.2	135.6	138.5	147.6	158.8	161.7	162.1
75°	110.7	112.0	112.0	109.1	109.9	113.2	116.9	124.4	134.8	136.8	136.8
77.5°	87.9	92.5	92.5	89.6	90.8	91.2	96.2	99.9	107.8	108.6	105.3
80°	63.9	68.4	72.1	69.7	71.7	69.2	72.1	74.6	82.5	78.8	73.4
82.5°	45.6	48.9	51.8	52.2	50.2	45.6	49.3	49.8	53.5	48.5	45.6
85°	25.3	28.2	31.9	30.3	27.0	24.0	25.3	26.1	25.7	24.5	22.8
87.5°	6.6	7.0	7.9	5.8	5.4	4.6	6.2	6.2	7.0	7.5	7.0
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: P458615
 CATALOG NUMBER: GLAN-SA1D-735-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3
2.5°	1343.0	1361.3	1400.7	1430.5	1467.0	1511.4	1563.6	1616.3	1673.1	1690.9	1715.8
5°	1111.2	1156.8	1175.9	1230.2	1284.1	1365.0	1451.2	1551.2	1660.6	1713.3	1763.9
7.5°	949.5	974.0	993.9	1033.7	1098.4	1196.7	1304.9	1429.7	1584.8	1661.5	1735.7
10°	862.5	864.9	889.4	938.7	995.1	1081.8	1184.2	1323.9	1496.8	1590.1	1677.2
12.5°	804.8	794.0	820.6	872.0	935.8	1015.9	1110.0	1243.1	1433.4	1529.2	1634.5
15°	754.2	737.2	757.1	809.8	872.8	966.9	1068.1	1209.1	1408.5	1520.1	1637.0
17.5°	755.5	708.6	715.7	760.0	822.6	918.4	1041.2	1207.8	1446.3	1574.8	1713.3
20°	848.8	773.7	741.8	750.1	810.6	915.1	1053.6	1265.9	1570.2	1757.7	1905.7
22.5°	940.4	895.2	843.8	826.8	860.0	969.4	1132.8	1403.1	1839.8	2122.1	2389.6
25°	908.5	947.0	934.2	910.1	917.6	1008.4	1186.7	1515.9	2049.1	2367.2	2618.4
27.5°	726.9	796.9	811.0	810.6	813.5	888.2	1067.3	1440.0	2075.3	2414.0	2654.1
30°	510.8	517.1	524.5	539.0	552.3	619.1	835.1	1264.2	2063.7	2435.2	2675.7
32.5°	368.6	376.9	387.3	407.2	438.7	523.7	730.6	1208.3	2125.0	2522.7	2738.7
35°	337.1	346.6	356.6	379.4	409.2	488.0	689.1	1185.0	2225.8	2664.5	2851.9
37.5°	327.2	337.9	346.6	363.2	387.3	462.3	651.4	1169.3	2329.0	2814.6	3003.7
40°	320.1	332.5	339.6	352.9	369.4	438.7	617.8	1156.8	2429.0	2951.8	3125.6
42.5°	313.9	326.7	335.9	345.4	359.1	417.5	588.0	1144.4	2515.6	3084.9	3247.0
45°	306.4	322.6	334.2	341.7	353.7	399.7	565.2	1134.5	2614.3	3203.1	3369.8
47.5°	300.2	318.0	332.5	341.2	345.8	387.3	546.9	1148.1	2732.9	3326.7	3483.8
50°	300.6	317.6	335.9	349.5	337.5	376.9	535.7	1202.5	2887.1	3473.4	3573.8
52.5°	313.9	334.6	349.1	352.4	325.9	364.5	529.9	1297.4	3069.6	3603.2	3664.6
55°	328.8	350.4	366.1	364.1	319.7	348.7	528.7	1398.6	3269.4	3754.6	3782.8
57.5°	323.4	354.9	379.0	368.2	320.1	333.4	523.3	1480.3	3436.5	3867.8	3899.7
58°	321.8	353.3	380.6	367.4	318.9	328.8	522.0	1487.3	3459.8	3875.6	3916.3
60°	305.6	338.8	379.4	361.2	311.8	316.4	508.3	1510.1	3453.5	3835.0	3926.2
62.5°	276.2	303.5	350.8	330.9	290.2	299.8	477.7	1481.9	3285.2	3639.3	3780.7
65°	243.0	263.3	294.8	291.1	259.6	282.8	435.8	1370.4	2948.1	3321.7	3470.5
67.5°	218.1	234.7	254.6	249.2	233.4	260.0	390.6	1181.7	2569.9	2940.2	3127.6
70°	192.8	205.7	215.6	211.9	206.9	237.6	350.4	959.1	2207.5	2577.8	2759.4
72.5°	167.1	179.1	187.4	182.0	179.1	214.0	317.6	744.3	1743.6	2126.7	2360.1
75°	139.7	151.8	157.6	151.3	149.7	188.7	269.1	556.0	1308.2	1639.5	1841.0
77.5°	108.2	121.1	128.5	126.5	127.3	155.1	217.3	380.6	935.4	1117.5	1329.7
80°	75.9	90.0	95.0	92.9	98.7	118.2	153.4	241.7	645.2	725.2	874.9
82.5°	46.9	60.1	61.0	63.0	67.2	87.5	115.7	147.2	405.1	418.8	527.4
85°	23.6	28.6	30.7	34.0	37.7	53.5	65.9	91.2	260.8	197.4	294.8
87.5°	7.9	8.3	10.0	12.4	15.3	22.0	28.2	37.3	64.7	35.7	91.2
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: P458615

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3	1577.3
2.5°	1766.0	1801.2	1826.9	1850.5	1827.7	1825.7	1803.3	1767.2	1752.3	1752.3
5°	1870.0	1952.5	2019.3	2062.0	2043.8	1999.8	1927.2	1834.8	1785.0	1776.3
7.5°	1898.6	2061.6	2185.6	2229.5	2198.8	2101.8	1962.9	1807.0	1735.7	1719.9
10°	1881.2	2093.1	2275.1	2344.8	2302.1	2155.3	1965.8	1774.7	1686.8	1668.5
12.5°	1863.0	2097.2	2291.7	2392.5	2364.7	2198.4	1987.0	1753.5	1651.9	1625.8
15°	1876.2	2098.9	2271.4	2375.5	2393.3	2250.2	2021.8	1768.9	1644.9	1617.1
17.5°	1960.0	2130.4	2242.4	2326.5	2389.2	2320.7	2120.9	1842.2	1707.9	1673.5
20°	2135.0	2205.9	2259.0	2324.1	2424.8	2464.6	2323.6	2043.8	1885.0	1854.7
22.5°	2641.7	2628.8	2520.2	2518.9	2664.9	2824.5	2815.0	2453.4	2214.6	2189.7
25°	2831.6	2771.9	2614.7	2576.6	2640.8	2887.1	2851.5	2537.2	2316.6	2256.1
27.5°	2757.4	2609.3	2506.1	2497.4	2476.2	2708.8	2794.7	2571.2	2352.3	2293.4
30°	2752.8	2535.1	2387.5	2404.9	2425.2	2647.5	2826.2	2677.7	2443.5	2380.4
32.5°	2764.0	2545.5	2396.2	2399.5	2460.1	2656.6	2861.0	2793.8	2563.3	2500.3
35°	2809.2	2604.4	2451.8	2443.9	2538.4	2716.3	2920.3	2976.3	2727.1	2655.4
37.5°	2882.2	2721.7	2553.4	2551.3	2688.5	2824.1	2994.1	3160.4	2890.0	2812.9
40°	2989.6	2858.9	2734.1	2722.9	2892.5	2999.5	3089.9	3356.5	3079.5	2980.4
42.5°	3119.3	3023.6	2972.6	3016.9	3179.9	3196.5	3239.2	3537.7	3240.8	3125.6
45°	3239.6	3235.0	3305.9	3423.7	3518.6	3419.1	3395.1	3659.2	3366.0	3240.8
47.5°	3382.6	3506.2	3720.1	3892.6	3992.2	3678.3	3528.2	3738.4	3457.3	3342.0
50°	3527.8	3830.9	4172.5	4413.0	4434.2	3959.8	3619.8	3813.0	3540.2	3420.4
52.5°	3680.3	4090.0	4544.9	4824.3	4783.3	4204.9	3708.5	3863.6	3625.6	3520.3
55°	3813.0	4248.8	4753.0	5021.3	4961.2	4354.1	3804.3	3918.3	3747.5	3658.8
57.5°	3887.2	4262.1	4701.2	4935.5	4870.4	4325.1	3848.3	3959.0	3825.5	3755.8
58°	3898.0	4244.3	4655.2	4885.7	4819.4	4300.6	3847.9	3957.3	3830.4	3760.4
60°	3888.5	4128.6	4483.9	4689.2	4619.5	4147.2	3832.1	3926.2	3767.4	3708.1
62.5°	3800.2	3927.9	4188.3	4337.5	4317.6	3907.6	3767.4	3808.9	3575.4	3518.2
65°	3684.1	3654.2	3809.7	3915.4	3930.4	3728.0	3703.1	3555.1	3329.1	3248.3
67.5°	3543.1	3344.1	3343.7	3403.8	3428.7	3451.9	3569.2	3279.4	2974.2	2888.8
70°	3303.8	2866.0	2734.1	2805.0	2784.3	2980.4	3330.0	2892.1	2546.3	2446.4
72.5°	2865.2	2274.3	2063.2	2154.5	2102.2	2337.3	2913.7	2380.0	2105.5	1982.8
75°	2322.4	1701.3	1483.6	1567.3	1535.0	1773.0	2424.4	1728.6	1510.1	1463.3
77.5°	1803.3	1232.7	1106.3	1094.6	1118.7	1319.4	1778.4	1167.2	995.5	963.6
80°	1158.5	882.4	889.8	874.9	887.3	831.8	1079.7	744.7	674.2	648.5
82.5°	762.5	614.9	733.1	676.7	642.7	559.3	708.2	487.6	413.8	399.7
85°	519.5	452.8	412.2	315.1	371.1	430.8	531.2	262.5	208.1	188.7
87.5°	234.7	157.6	115.7	71.3	112.8	130.2	257.9	30.7	23.6	24.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)