

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: P652731

Luminaire Tested: **GLAN-SA2C-840-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652731
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-SA2C-840-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10249.3 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 108
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

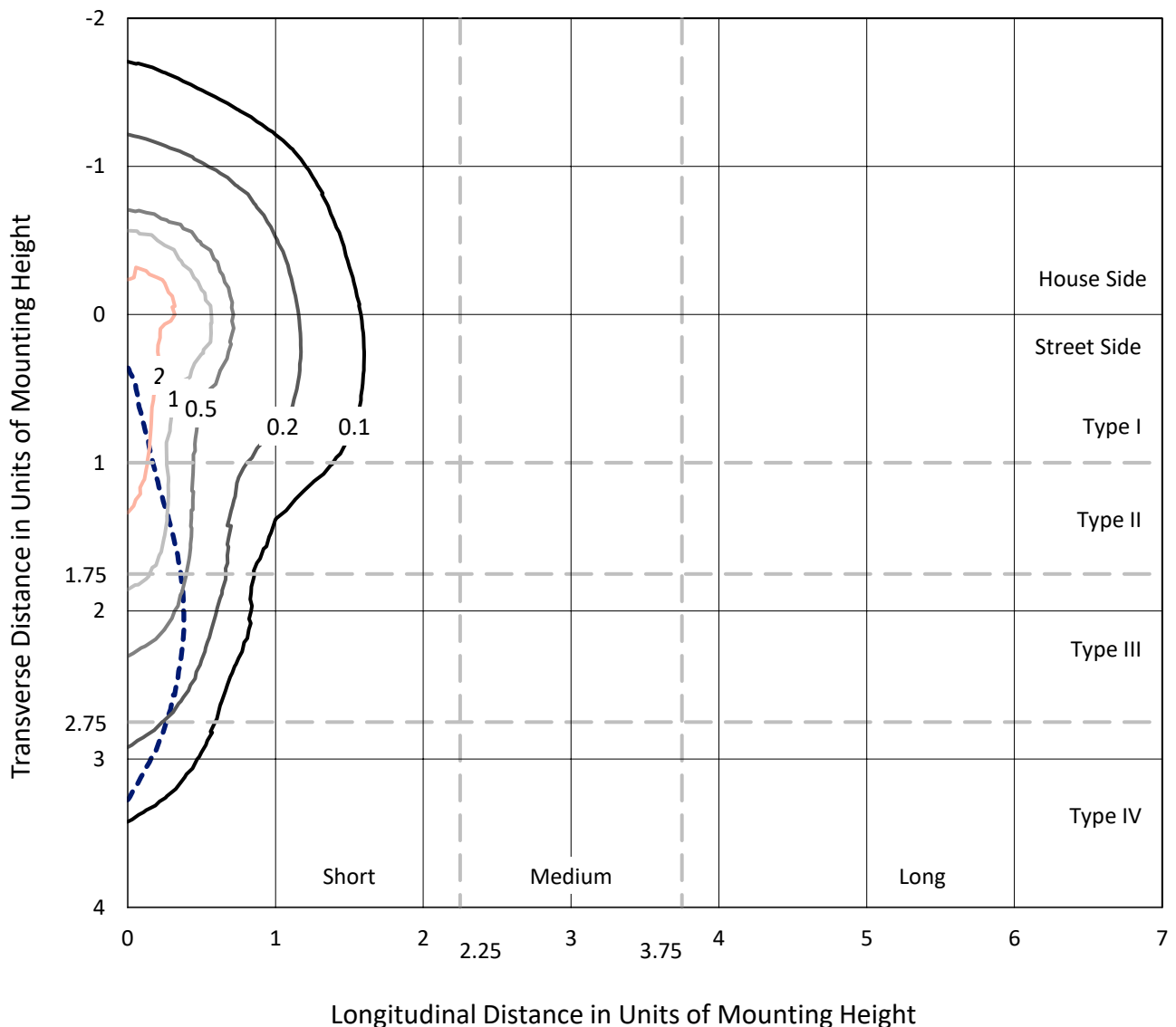




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Iso-Footcandle Lines of Horizontal Illumination

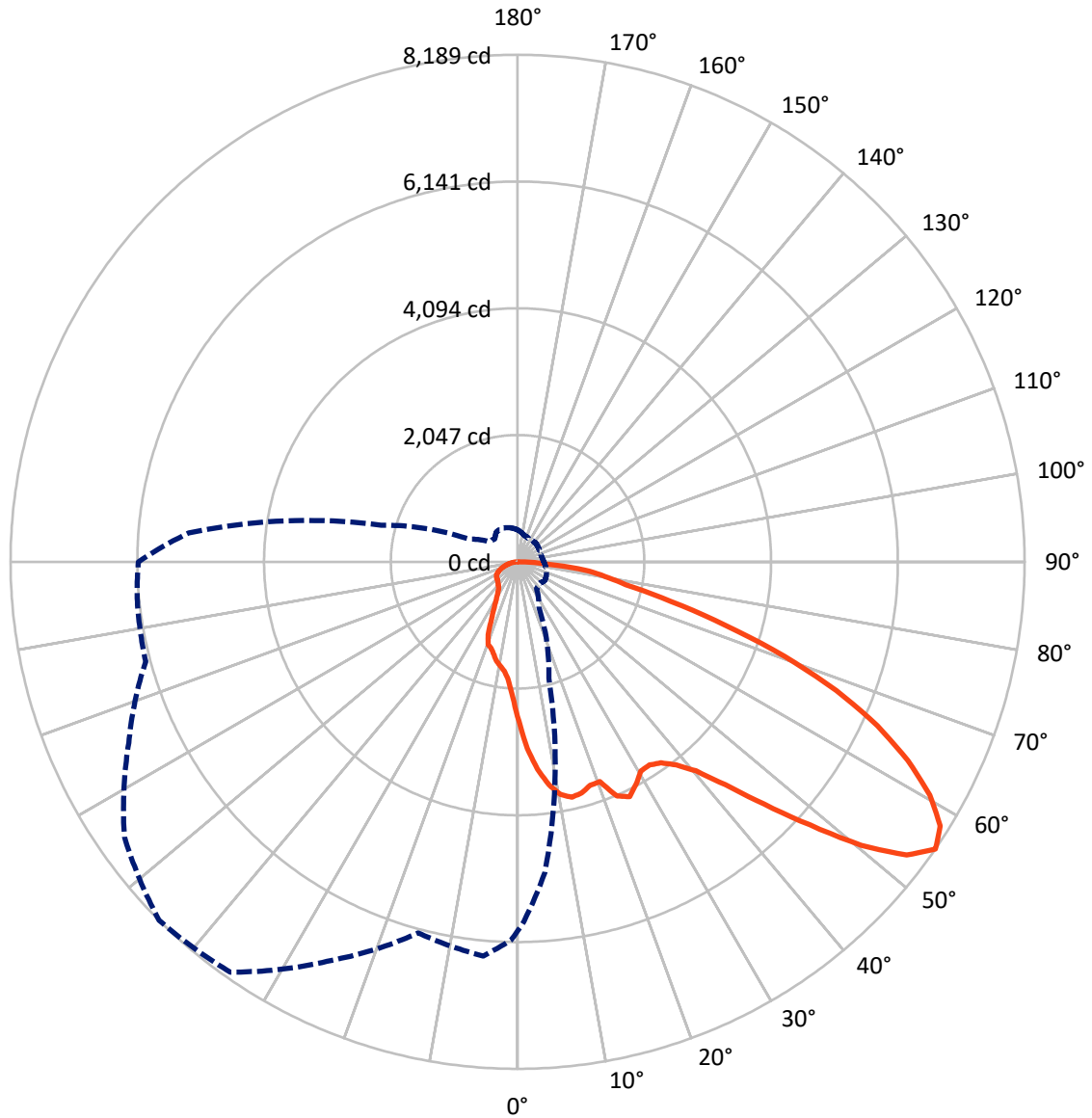
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2242.0	0.0	2242.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	8007.3	0.0	8007.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	10249.3	0.0	10249.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.0	2.1
10°-20°	578.4	5.6
20°-30°	999.1	9.7
30°-40°	1161.2	11.3
40°-50°	1620.0	15.8
50°-60°	2198.2	21.4
60°-70°	2091.4	20.4
70°-80°	1129.8	11.0
80°-90°	253.2	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°	10249.3	100.0
0°-180°	10249.3	100.0

Coefficient of Utilization



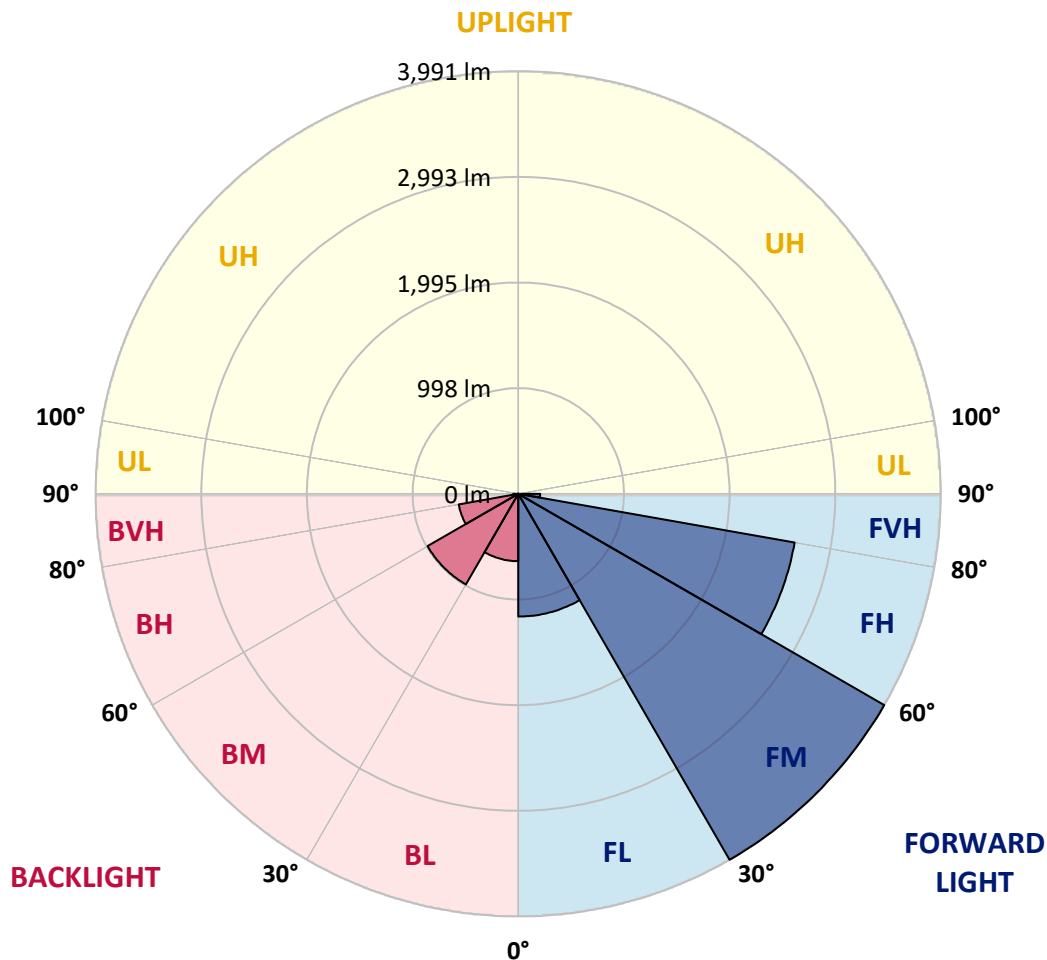
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1159.2	11.3			
FM (30°-60°)	3990.9	38.9			
FH (60°-80°)	2650.3	25.9			G2/5000
FVH (80°-90°)	206.9	2.0			G2/225
BL (0°-30°)	636.3	6.2	B2/1000		
BM (30°-60°)	988.6	9.6	B1/1000		
BH (60°-80°)	570.9	5.6	B2/1000		G2/1000
BVH (80°-90°)	46.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2
2.5°	2857.5	2846.7	2816.3	2736.4	2656.0	2574.2	2511.3	2432.8	2351.0	2307.1	2251.0
5°	2896.7	2884.5	2812.9	2633.0	2470.1	2299.0	2162.4	2042.7	1994.0	1922.4	1864.9
7.5°	2804.7	2799.4	2691.9	2433.5	2210.4	1986.6	1831.8	1735.7	1648.5	1616.1	1622.8
10°	2720.9	2699.3	2564.7	2227.3	1967.0	1785.1	1674.2	1580.2	1518.7	1502.4	1505.8
12.5°	2651.3	2622.2	2463.3	2088.7	1860.8	1715.5	1574.1	1476.1	1419.9	1435.5	1488.2
15°	2637.0	2597.8	2420.7	2041.4	1802.7	1615.4	1460.6	1347.6	1305.7	1339.5	1424.0
17.5°	2729.0	2679.7	2493.7	2056.9	1747.3	1513.3	1323.3	1194.1	1159.0	1213.1	1323.3
20°	3024.5	2951.5	2721.6	2146.8	1741.8	1462.6	1243.5	1113.7	1128.5	1231.3	1346.3
22.5°	3570.9	3461.3	3120.5	2278.0	1770.2	1449.7	1227.3	1159.7	1241.5	1328.7	1404.4
25°	3679.0	3593.2	3192.2	2307.8	1764.2	1440.9	1273.3	1307.1	1398.3	1441.6	1415.2
27.5°	3739.9	3641.9	3187.5	2160.4	1577.5	1307.1	1217.1	1273.3	1296.2	1254.3	1182.6
30°	3881.9	3779.8	3268.0	2005.5	1298.9	969.7	849.9	827.0	842.5	850.6	824.9
32.5°	4077.3	3976.6	3419.4	1904.1	1123.2	802.0	684.3	651.9	644.4	635.6	625.5
35°	4330.2	4175.4	3568.2	1839.2	1050.7	741.8	633.6	608.5	598.5	586.3	575.4
37.5°	4587.2	4424.9	3756.2	1770.9	1002.7	699.9	599.8	588.3	570.7	557.8	542.3
40°	4860.3	4678.5	3927.2	1711.4	956.1	672.8	575.4	574.1	551.1	536.2	518.0
42.5°	5097.0	4909.7	4080.0	1674.9	920.3	644.4	560.5	564.6	540.9	518.6	494.9
45°	5285.0	5101.1	4221.3	1674.9	891.2	616.0	557.8	555.1	531.5	503.8	476.7
47.5°	5449.9	5260.0	4359.3	1717.5	873.0	592.3	542.9	547.7	523.4	488.2	461.8
50°	5577.8	5410.1	4545.3	1783.8	854.7	573.4	524.0	549.8	516.6	480.0	449.7
52.5°	5740.8	5590.6	4769.1	1874.3	839.1	552.5	507.1	549.8	516.0	480.8	447.7
55°	5966.6	5808.4	5038.9	1949.4	814.1	532.9	492.2	534.2	513.9	477.4	442.2
57.5°	6124.8	6006.4	5229.5	1999.5	778.3	507.8	478.7	519.3	505.1	464.6	426.0
58°	6132.2	6016.6	5257.3	2010.9	769.5	503.1	475.3	512.5	501.1	459.1	420.6
60°	6047.0	5947.6	5262.6	1994.7	719.5	479.4	457.8	484.8	479.4	427.3	391.5
62.5°	5737.3	5631.2	5044.2	1862.9	653.2	450.4	430.8	447.7	435.5	382.7	349.6
65°	5297.1	5101.8	4595.3	1655.9	605.9	419.2	394.2	395.5	382.7	344.8	315.8
67.5°	4710.9	4492.5	3890.7	1395.6	570.0	384.8	350.9	347.6	332.0	307.6	284.0
70°	3989.5	3840.0	3161.8	1135.3	530.1	346.9	302.3	300.2	290.7	272.5	251.5
72.5°	3233.5	3043.5	2553.2	908.8	481.5	310.3	256.9	261.0	248.9	236.0	217.1
75°	2386.3	2261.8	1973.7	728.9	415.9	270.5	214.4	215.7	210.2	196.8	181.9
77.5°	1571.4	1534.2	1411.9	478.7	319.8	215.0	175.1	176.4	172.4	160.3	144.7
80°	1057.6	1032.5	956.8	308.3	213.7	155.5	135.2	136.6	135.9	123.0	102.1
82.5°	651.9	641.0	616.7	208.2	148.1	111.6	89.2	93.4	100.8	86.5	69.6
85°	307.6	308.3	372.6	113.6	87.2	71.7	48.7	52.1	52.1	52.1	39.2
87.5°	39.9	41.9	51.4	48.0	31.8	27.1	17.6	14.9	12.9	16.9	12.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2
2.5°	2231.3	2217.9	2188.8	2182.0	2177.9	2189.5	2159.0	2167.2	2153.6	2191.5	2185.4
5°	1868.3	1869.6	1893.3	1908.8	1914.3	1908.8	1888.5	1853.4	1826.3	1815.6	1818.2
7.5°	1610.0	1633.6	1674.2	1719.5	1760.7	1772.9	1761.5	1694.5	1621.4	1575.4	1560.6
10°	1524.1	1555.8	1602.5	1638.4	1674.9	1704.0	1710.0	1657.9	1571.4	1462.6	1419.9
12.5°	1528.9	1572.1	1616.7	1628.3	1624.8	1636.3	1631.0	1622.1	1565.4	1426.8	1355.7
15°	1484.2	1535.6	1566.7	1560.6	1549.8	1539.6	1525.5	1503.1	1482.9	1385.5	1307.1
17.5°	1381.4	1434.2	1459.9	1461.9	1461.9	1459.2	1424.7	1416.6	1413.9	1366.5	1318.5
20°	1400.3	1429.4	1417.9	1399.0	1404.4	1422.6	1402.4	1398.3	1413.9	1434.8	1426.1
22.5°	1411.2	1401.0	1314.5	1230.6	1211.7	1268.5	1280.0	1325.3	1388.2	1463.9	1513.3
25°	1344.3	1262.4	1107.6	1012.9	959.5	1012.2	1081.2	1165.0	1259.1	1356.4	1413.9
27.5°	1123.8	1061.6	950.7	865.5	818.9	827.0	885.8	962.2	1049.4	1115.0	1157.0
30°	846.6	818.9	761.4	732.3	703.9	697.1	722.2	751.3	789.8	797.9	808.7
32.5°	623.4	619.4	622.8	613.3	607.9	607.2	599.8	606.5	610.6	615.4	605.9
35°	563.9	558.5	549.1	546.3	542.9	544.3	540.9	537.6	540.3	544.3	547.0
37.5°	533.5	525.4	511.8	507.1	507.1	509.1	503.8	502.4	507.1	520.0	526.7
40°	509.8	500.4	484.8	478.7	482.8	488.2	480.8	478.0	489.5	503.1	513.9
42.5°	487.5	480.0	465.2	458.4	461.8	472.0	461.1	459.1	474.0	488.9	501.7
45°	468.6	461.1	447.7	444.2	445.6	455.1	447.7	447.7	461.8	478.0	489.5
47.5°	453.7	444.2	435.5	432.8	434.1	439.5	438.2	438.2	451.7	468.6	480.0
50°	438.8	430.8	419.2	420.6	423.9	431.4	430.8	432.8	446.2	467.3	479.4
52.5°	432.1	419.9	407.0	408.4	418.6	427.3	424.6	426.6	442.2	481.5	499.0
55°	424.6	408.4	393.5	395.5	407.0	419.9	416.5	419.2	437.5	490.9	515.3
57.5°	410.4	391.5	375.3	376.6	393.5	407.0	401.7	405.0	426.6	480.8	506.5
58°	404.4	388.1	372.6	373.2	389.5	404.4	398.3	401.0	423.3	478.0	502.4
60°	378.6	369.2	355.7	356.3	371.9	384.8	381.4	384.1	405.7	458.4	476.7
62.5°	343.5	338.1	334.7	334.7	344.1	356.3	359.7	363.1	382.7	414.5	430.8
65°	305.6	305.6	306.3	306.3	312.4	327.9	330.0	338.8	357.0	372.6	384.8
67.5°	280.0	278.6	280.0	276.5	279.3	288.7	298.9	307.0	325.9	336.7	340.8
70°	246.8	246.2	246.8	242.0	245.5	253.6	260.3	273.8	293.4	301.6	303.6
72.5°	214.4	214.4	215.7	212.4	212.4	221.1	225.8	240.7	258.9	263.7	264.4
75°	180.6	182.6	182.6	177.9	179.2	184.6	190.7	202.8	219.8	223.1	223.1
77.5°	143.4	150.8	150.8	146.1	148.1	148.8	156.8	163.0	175.8	177.2	171.7
80°	104.1	111.6	117.7	113.6	117.0	112.9	117.7	121.7	134.6	128.5	119.7
82.5°	74.3	79.8	84.5	85.2	81.8	74.3	80.5	81.2	87.2	79.1	74.3
85°	41.2	46.0	52.1	49.4	44.0	39.2	41.2	42.6	41.9	39.9	37.2
87.5°	10.8	11.5	12.9	9.5	8.8	7.4	10.2	10.2	11.5	12.2	11.5
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°	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2
2.5°	2190.1	2219.9	2284.2	2332.8	2392.3	2464.6	2549.8	2635.7	2728.4	2757.5	2798.0
5°	1812.2	1886.5	1917.6	2006.2	2094.1	2226.0	2366.6	2529.6	2708.1	2794.0	2876.5
7.5°	1548.4	1588.3	1620.8	1685.7	1791.2	1951.5	2127.9	2331.4	2584.3	2709.4	2830.5
10°	1406.4	1410.5	1450.4	1530.9	1622.8	1764.2	1931.2	2159.0	2441.0	2593.1	2735.1
12.5°	1312.5	1294.9	1338.1	1422.0	1526.2	1656.6	1810.1	2027.1	2337.6	2493.7	2665.5
15°	1230.0	1202.2	1234.7	1320.5	1423.3	1576.9	1741.8	1971.7	2296.9	2478.8	2669.5
17.5°	1232.0	1155.6	1167.1	1239.5	1341.6	1497.7	1697.9	1969.7	2358.5	2568.1	2794.0
20°	1384.1	1261.8	1209.7	1223.2	1321.9	1492.4	1718.2	2064.3	2560.7	2866.3	3107.7
22.5°	1533.6	1459.9	1376.0	1348.3	1402.4	1580.9	1847.3	2288.2	3000.2	3460.6	3896.8
25°	1481.5	1544.4	1523.4	1484.2	1496.4	1644.5	1935.2	2472.1	3341.6	3860.3	4270.0
27.5°	1185.3	1299.6	1322.6	1321.9	1326.7	1448.4	1740.4	2348.3	3384.3	3936.7	4328.2
30°	833.0	843.2	855.4	879.0	900.6	1009.5	1361.8	2061.6	3365.3	3971.2	4363.4
32.5°	601.1	614.6	631.5	664.0	715.4	854.0	1191.4	1970.4	3465.4	4113.8	4466.1
35°	549.8	565.3	581.6	618.7	667.4	795.8	1123.8	1932.5	3629.7	4345.1	4650.7
37.5°	533.5	551.1	565.3	592.3	631.5	754.0	1062.3	1906.8	3798.0	4589.8	4898.2
40°	522.0	542.3	553.8	575.4	602.5	715.4	1007.5	1886.5	3961.0	4813.7	5097.0
42.5°	511.8	532.9	547.7	563.2	585.6	680.9	958.8	1866.3	4102.3	5030.7	5295.1
45°	499.7	526.0	545.0	557.2	576.8	651.9	921.7	1850.0	4263.3	5223.5	5495.3
47.5°	489.5	518.6	542.3	556.5	563.9	631.5	891.9	1872.3	4456.6	5425.0	5681.2
50°	490.2	518.0	547.7	570.0	550.4	614.6	873.6	1960.9	4708.2	5664.3	5828.0
52.5°	511.8	545.6	569.4	574.7	531.5	594.3	864.1	2115.8	5005.7	5876.0	5976.1
55°	536.2	571.4	597.0	593.7	521.3	568.7	862.1	2280.7	5331.6	6122.7	6168.7
57.5°	527.4	578.8	618.1	600.5	522.0	543.6	853.4	2413.9	5604.1	6307.3	6359.4
58°	524.7	576.1	620.7	599.1	520.0	536.2	851.3	2425.4	5642.0	6320.2	6386.5
60°	498.4	552.5	618.7	589.0	508.5	516.0	829.0	2462.6	5631.8	6253.9	6402.7
62.5°	450.4	494.9	572.0	539.6	473.3	488.9	778.9	2416.6	5357.3	5934.8	6165.4
65°	396.3	429.3	480.8	474.7	423.3	461.1	710.6	2234.8	4807.6	5416.8	5659.6
67.5°	355.7	382.7	415.2	406.4	380.7	423.9	637.0	1927.1	4191.0	4794.7	5100.4
70°	314.4	335.4	351.6	345.6	337.4	387.4	571.4	1564.0	3600.0	4203.7	4499.9
72.5°	272.5	292.1	305.6	296.9	292.1	348.9	518.0	1213.7	2843.3	3468.1	3848.8
75°	227.9	247.5	256.9	246.8	244.1	307.6	438.8	906.8	2133.4	2673.6	3002.2
77.5°	176.4	197.5	209.6	206.2	207.6	252.9	354.3	620.7	1525.5	1822.3	2168.5
80°	123.7	146.8	154.8	151.5	161.0	192.7	250.2	394.2	1052.1	1182.6	1426.8
82.5°	76.4	98.1	99.4	102.8	109.5	142.6	188.6	240.0	660.6	683.0	860.1
85°	38.5	46.7	50.0	55.4	61.6	87.2	107.5	148.8	425.3	321.9	480.8
87.5°	12.9	13.5	16.2	20.3	25.0	35.8	46.0	60.9	105.5	58.1	148.8
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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 CATALOG NUMBER: GLAN-SA2C-840-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2	2572.2
2.5°	2879.8	2937.3	2979.2	3017.8	2980.6	2977.2	2940.6	2881.9	2857.5	2857.5
5°	3049.6	3184.1	3292.9	3362.7	3332.9	3261.1	3142.8	2992.1	2911.0	2896.7
7.5°	3096.2	3361.9	3564.1	3635.8	3585.8	3427.5	3201.0	2946.8	2830.5	2804.7
10°	3067.8	3413.4	3710.2	3823.8	3754.1	3514.8	3205.7	2894.0	2750.7	2720.9
12.5°	3038.0	3420.1	3737.2	3901.5	3856.2	3585.1	3240.2	2859.6	2693.9	2651.3
15°	3059.7	3422.8	3704.1	3873.8	3902.9	3669.6	3297.1	2884.5	2682.4	2637.0
17.5°	3196.3	3474.2	3656.8	3794.0	3896.1	3784.6	3458.6	3004.2	2785.1	2729.0
20°	3481.7	3597.2	3683.8	3790.0	3954.3	4019.1	3789.3	3332.9	3073.9	3024.5
22.5°	4307.9	4286.9	4109.8	4107.8	4345.8	4606.1	4590.5	4000.9	3611.4	3570.9
25°	4617.6	4520.2	4264.0	4201.7	4306.6	4708.2	4650.1	4137.5	3777.8	3679.0
27.5°	4496.6	4255.1	4086.8	4072.6	4038.1	4417.4	4557.4	4193.0	3836.0	3739.9
30°	4489.1	4134.1	3893.4	3921.8	3955.0	4317.4	4608.8	4366.7	3984.7	3881.9
32.5°	4507.3	4151.0	3907.6	3913.0	4011.7	4332.2	4665.6	4556.0	4180.1	4077.3
35°	4581.1	4247.0	3998.2	3985.3	4139.6	4429.6	4762.3	4853.6	4447.2	4330.2
37.5°	4700.1	4438.4	4163.9	4160.5	4384.3	4605.4	4882.7	5153.8	4713.0	4587.2
40°	4875.2	4662.3	4458.7	4440.4	4717.0	4891.4	5038.9	5473.6	5021.9	4860.3
42.5°	5086.9	4930.7	4847.5	4919.8	5185.6	5212.6	5282.2	5769.1	5285.0	5097.0
45°	5282.9	5275.5	5391.1	5583.1	5738.0	5575.7	5536.5	5967.2	5489.2	5285.0
47.5°	5516.2	5717.7	6066.6	6348.0	6510.2	5998.3	5753.5	6096.4	5638.0	5449.9
50°	5752.9	6247.2	6804.4	7196.5	7231.0	6457.5	5903.0	6218.1	5773.2	5577.8
52.5°	6001.7	6669.8	7411.6	7867.3	7800.4	6857.1	6047.7	6300.6	5912.5	5740.8
55°	6218.1	6928.7	7751.0	8188.5	8090.4	7100.5	6203.9	6389.8	6111.3	5966.6
57.5°	6339.1	6950.4	7666.5	8048.5	7942.3	7053.1	6275.5	6456.1	6238.4	6124.8
58°	6356.7	6921.3	7591.4	7967.4	7859.1	7013.3	6274.9	6453.4	6246.5	6132.2
60°	6341.1	6732.6	7312.2	7646.9	7533.3	6763.1	6249.2	6402.7	6143.8	6047.0
62.5°	6197.2	6405.4	6830.0	7073.5	7041.0	6372.3	6143.8	6211.4	5830.7	5737.3
65°	6007.8	5959.2	6212.7	6385.1	6409.4	6079.5	6038.9	5797.5	5429.0	5297.1
67.5°	5777.9	5453.4	5452.7	5550.7	5591.3	5629.1	5820.5	5347.8	4850.2	4710.9
70°	5387.8	4673.7	4458.7	4574.3	4540.5	4860.3	5430.3	4716.3	4152.4	3989.5
72.5°	4672.3	3708.8	3364.7	3513.4	3428.2	3811.6	4751.5	3881.2	3433.6	3233.5
75°	3787.3	2774.4	2419.4	2556.0	2503.2	2891.4	3953.6	2818.9	2462.6	2386.3
77.5°	2940.6	2010.2	1804.0	1785.1	1824.3	2151.6	2900.1	1903.4	1623.5	1571.4
80°	1889.2	1438.9	1451.1	1426.8	1447.0	1356.4	1760.7	1214.4	1099.4	1057.6
82.5°	1243.5	1002.7	1195.5	1103.5	1048.1	912.1	1154.9	795.2	674.8	651.9
85°	847.2	738.4	672.1	513.9	605.2	702.6	866.1	428.0	339.4	307.6
87.5°	382.7	256.9	188.6	116.3	183.9	212.4	420.6	50.0	38.5	39.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)