

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: P530032

Luminaire Tested: **GLAN-SA5B-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530032
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-SA5B-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 800mA 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: 17748 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

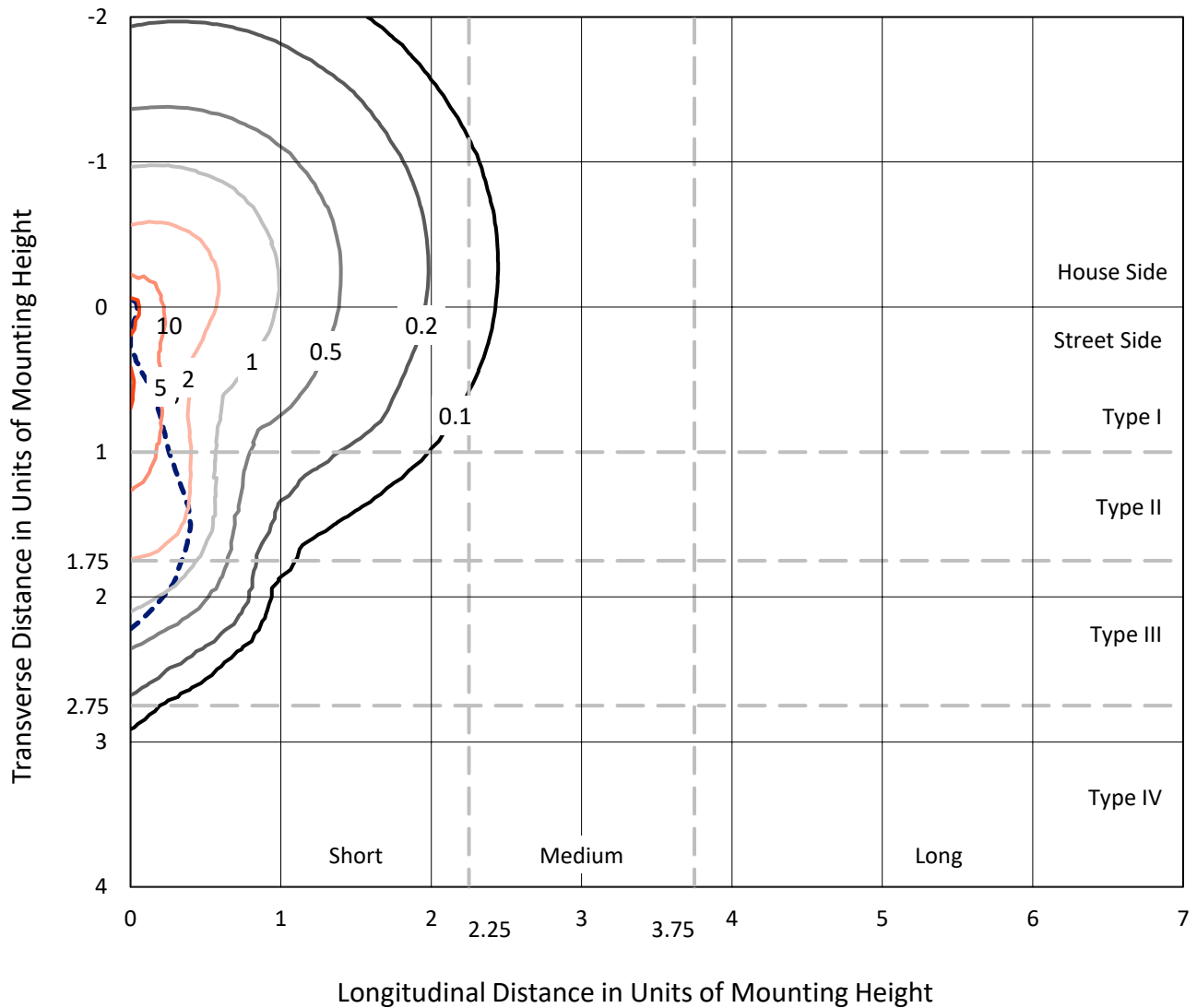
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

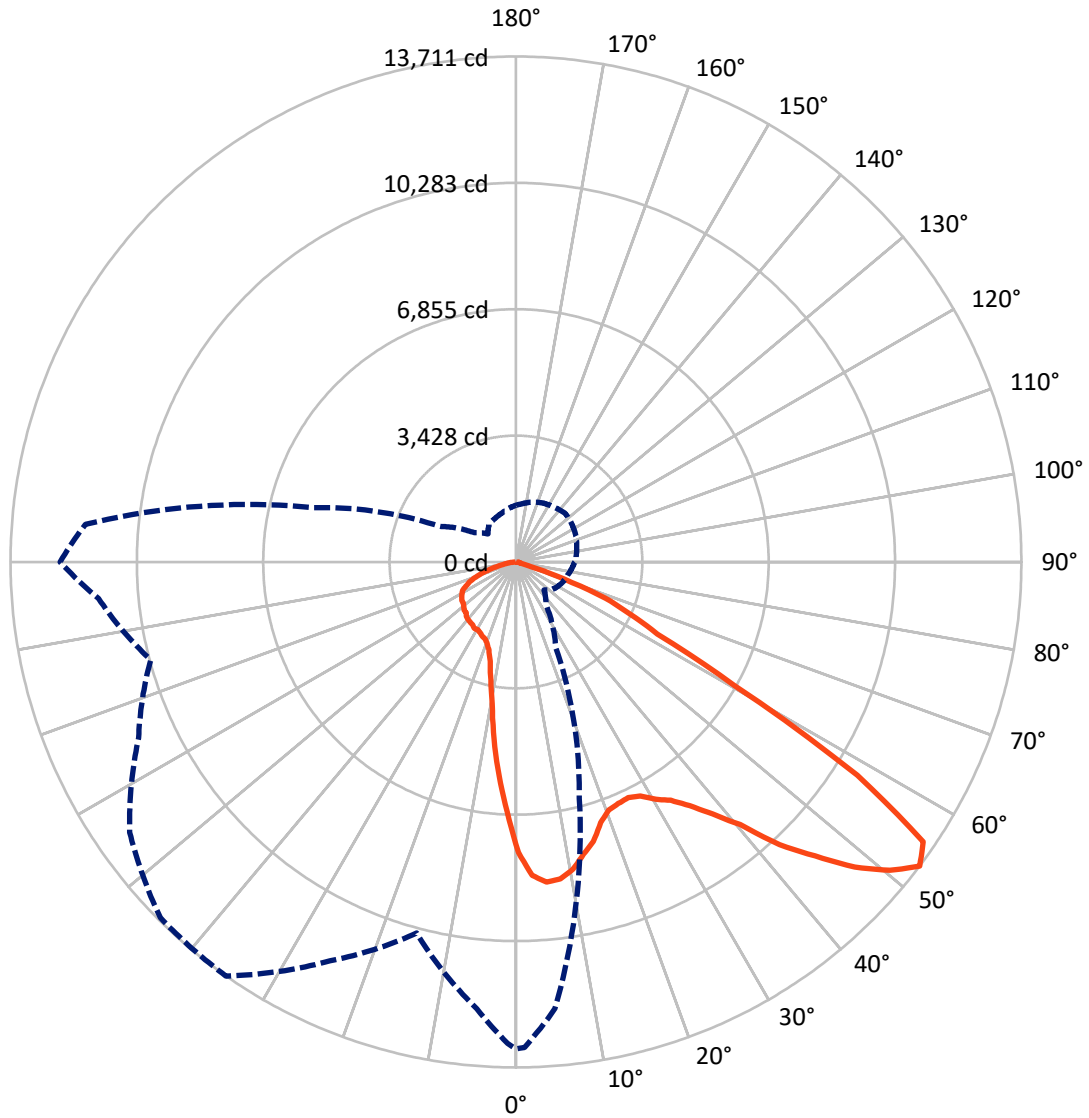
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	5350.3	0.0	5350.3
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	12397.7	0.0	12397.7
	% Fixture	69.9	0.0	69.9
Total	Lumens	17748.0	0.0	17748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.9	3.4
10°-20°	1302.7	7.3
20°-30°	1968.3	11.1
30°-40°	2844.3	16.0
40°-50°	3785.2	21.3
50°-60°	4233.8	23.9
60°-70°	2386.2	13.4
70°-80°	531.9	3.0
80°-90°	94.7	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°	17748.0	100.0
0°-180°	17748.0	100.0

Coefficient of Utilization



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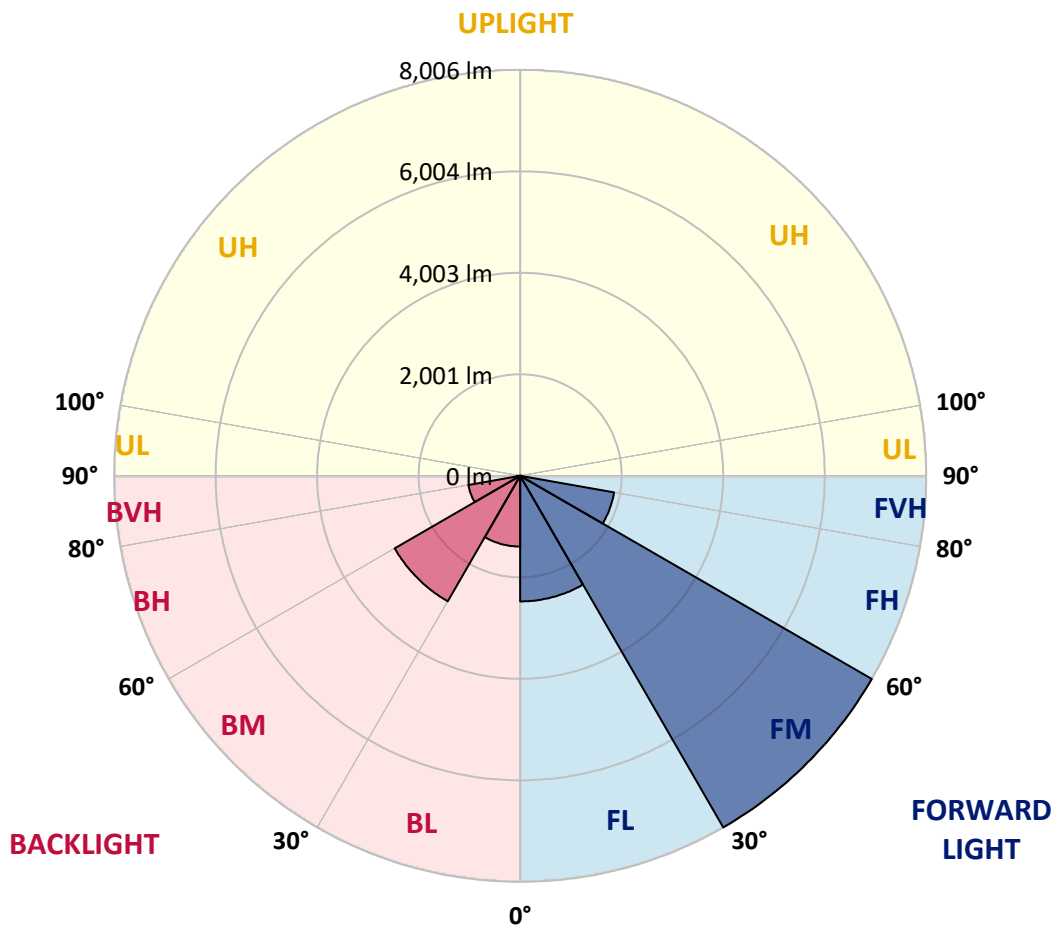
CATALOG NUMBER: GLAN-SA5B-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2476.7	14.0			
FM (30°-60°)	8005.7	45.1			
FH (60°-80°)	1881.0	10.6			G2/5000
FVH (80°-90°)	34.3	0.2			G1/100
BL (0°-30°)	1395.2	7.9	B3/2500		
BM (30°-60°)	2857.6	16.1	B3/5000		
BH (60°-80°)	1037.1	5.8	B3/2500		G3/2500
BVH (80°-90°)	60.4	0.3			G1/100
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°	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7
2.5°	8007.9	8136.5	7997.6	7750.6	7575.7	7416.2	7249.0	7215.6	6996.9	6958.3	6798.8
5°	7552.5	7524.3	7354.5	7030.4	6672.8	6348.7	6109.4	5877.9	5721.0	5538.4	5525.5
7.5°	6999.5	6834.9	6737.1	6245.8	5803.3	5294.0	5075.3	4722.9	4612.3	4447.7	4362.8
10°	6505.6	6384.7	6155.7	5664.4	5047.0	4710.1	4476.0	4285.6	4157.0	3987.2	3773.7
12.5°	6261.2	6212.3	5955.1	5193.7	4735.8	4375.6	4211.0	4025.8	3807.1	3534.5	3429.0
15°	6304.9	6140.3	5944.8	5103.6	4470.8	4123.5	3861.2	3629.6	3349.3	3089.4	2937.7
17.5°	6631.6	6505.6	6114.6	5160.2	4370.5	3868.9	3393.0	3050.9	2798.8	2564.7	2459.2
20°	7274.7	7092.1	6652.2	5232.3	4154.4	3513.9	2968.5	2546.7	2276.6	2153.1	2117.1
22.5°	7987.3	7879.2	7177.0	5394.3	3982.1	3184.6	2518.4	2096.5	1996.2	1962.7	2029.6
25°	8854.2	8573.8	7992.4	5659.3	3848.3	2904.2	2137.7	1903.6	1852.1	1885.6	1962.7
27.5°	9512.7	9438.1	8563.5	5908.8	3665.7	2567.2	1924.2	1769.8	1785.2	1818.7	1890.7
30°	10294.7	9916.6	9116.6	6081.1	3501.0	2335.7	1775.0	1733.8	1749.2	1805.8	1841.8
32.5°	10765.5	10624.0	9463.8	6341.0	3310.7	2135.1	1659.2	1620.6	1643.8	1728.6	1813.5
35°	11364.8	11084.4	9893.4	6407.8	3176.9	2055.3	1576.9	1548.6	1602.6	1661.8	1756.9
37.5°	12064.5	11871.6	10487.7	6361.5	3104.9	1973.0	1507.4	1494.6	1533.1	1615.5	1726.1
40°	12478.7	12419.5	10798.9	6389.8	2991.7	1901.0	1427.7	1443.1	1522.9	1587.2	1695.2
42.5°	12877.4	12491.5	11259.4	6379.5	2919.7	1803.2	1435.4	1417.4	1479.1	1553.7	1656.6
45°	12964.9	12581.6	11367.4	6307.5	2832.2	1708.1	1376.2	1383.9	1458.5	1551.2	1618.0
47.5°	12908.3	12625.3	11568.1	6286.9	2749.9	1641.2	1288.8	1381.4	1425.1	1499.7	1594.9
50°	12869.7	12854.3	11737.8	6384.7	2639.3	1535.7	1183.3	1347.9	1391.7	1466.3	1569.2
52.5°	13209.2	13175.8	12162.3	6641.9	2551.8	1422.5	1075.3	1263.0	1368.5	1440.5	1540.9
55°	13415.0	13268.4	12890.3	6958.3	2405.2	1273.3	1000.7	1157.6	1311.9	1376.2	1479.1
57.5°	12067.1	11966.8	11660.7	6495.3	2158.2	1077.8	908.1	1049.5	1234.7	1335.1	1440.5
60°	10040.1	9883.1	9098.6	5520.4	1592.3	838.6	851.5	964.6	1214.2	1252.8	1376.2
62.5°	9466.4	9078.0	8010.4	4442.5	1221.9	720.3	764.0	887.5	1106.1	1170.4	1293.9
65°	7511.4	7223.3	5731.3	3207.8	818.0	625.1	697.1	800.0	954.4	1080.4	1193.6
67.5°	4702.3	4427.1	3058.6	1517.7	571.1	535.1	622.5	730.6	856.6	969.8	1095.8
70°	2456.6	2155.7	1412.2	547.9	393.6	437.3	519.6	622.5	746.0	838.6	936.4
72.5°	915.8	743.4	460.5	236.7	272.7	334.4	421.9	496.5	583.9	697.1	751.1
75°	141.5	120.9	118.3	144.1	185.2	241.8	301.0	375.6	452.7	524.8	560.8
77.5°	66.9	64.3	72.0	95.2	123.5	172.4	218.7	290.7	352.4	398.7	419.3
80°	43.7	41.2	46.3	64.3	92.6	128.6	174.9	223.8	280.4	319.0	313.8
82.5°	25.7	28.3	28.3	43.7	64.3	92.6	126.0	169.8	208.4	241.8	221.2
85°	15.4	12.9	12.9	25.7	43.7	74.6	105.5	72.0	74.6	74.6	84.9
87.5°	5.1	5.1	5.1	2.6	5.1	5.1	7.7	12.9	15.4	18.0	23.2
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°	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7
2.5°	6793.7	6873.4	6845.1	6744.8	6822.0	6834.9	6783.4	6960.9	6994.3	6940.3	6955.8
5°	5507.5	5528.1	5574.4	5672.1	5741.6	5823.9	5823.9	5829.0	5759.6	5934.5	5883.1
7.5°	4290.8	4303.6	4357.6	4566.0	4625.2	4782.1	4849.0	4802.7	4663.8	4604.6	4653.5
10°	3704.2	3629.6	3611.6	3637.4	3771.1	3838.0	3894.6	3879.2	3856.0	3809.7	3758.3
12.5°	3313.2	3259.2	3215.5	3153.8	3161.5	3225.8	3269.5	3233.5	3243.8	3254.1	3269.5
15°	2888.8	2850.2	2827.1	2734.5	2724.2	2767.9	2783.3	2803.9	2842.5	2845.1	2827.1
17.5°	2438.6	2405.2	2456.6	2508.1	2472.1	2474.6	2502.9	2520.9	2510.7	2464.4	2441.2
20°	2129.9	2166.0	2217.4	2266.3	2304.9	2328.0	2338.3	2310.0	2276.6	2181.4	2178.8
22.5°	2039.9	2086.2	2129.9	2204.5	2240.6	2299.7	2245.7	2181.4	2135.1	2088.8	2034.8
25°	1973.0	2011.6	2099.1	2127.4	2196.8	2245.7	2207.1	2142.8	2063.1	1996.2	1955.0
27.5°	1924.2	1967.9	2024.5	2101.6	2155.7	2184.0	2145.4	2119.7	2037.3	1957.6	1898.4
30°	1893.3	1939.6	2042.5	2106.8	2153.1	2176.2	2109.4	2078.5	2019.3	1952.4	1901.0
32.5°	1872.7	1913.9	2001.3	2083.6	2114.5	2114.5	2124.8	2088.8	2006.5	1893.3	1849.6
35°	1805.8	1862.4	1934.4	2029.6	2086.2	2119.7	2068.2	2027.0	1973.0	1857.3	1777.5
37.5°	1767.2	1805.8	1898.4	1988.5	2037.3	2073.3	2052.8	1980.7	1908.7	1813.5	1749.2
40°	1726.1	1787.8	1870.1	1955.0	2009.0	2045.1	2029.6	1944.7	1857.3	1767.2	1723.5
42.5°	1697.8	1738.9	1823.8	1919.0	1983.3	2052.8	2006.5	1901.0	1839.3	1715.8	1666.9
45°	1674.6	1741.5	1831.5	1870.1	1937.0	2009.0	1926.7	1862.4	1790.4	1700.4	1659.2
47.5°	1646.3	1708.1	1767.2	1870.1	1901.0	1934.4	1919.0	1816.1	1754.4	1656.6	1628.3
50°	1636.0	1659.2	1767.2	1823.8	1867.6	1901.0	1859.8	1782.7	1723.5	1623.2	1561.4
52.5°	1594.9	1638.6	1708.1	1782.7	1836.7	1877.8	1811.0	1762.1	1682.3	1576.9	1538.3
55°	1543.4	1569.2	1692.6	1769.8	1798.1	1826.4	1800.7	1720.9	1638.6	1530.6	1492.0
57.5°	1476.6	1535.7	1636.0	1744.1	1780.1	1795.5	1754.4	1690.1	1587.2	1492.0	1430.3
60°	1407.1	1468.8	1579.5	1666.9	1702.9	1759.5	1697.8	1659.2	1540.9	1435.4	1368.5
62.5°	1337.6	1407.1	1489.4	1600.0	1630.9	1654.0	1638.6	1584.6	1489.4	1371.1	1288.8
65°	1255.3	1306.8	1409.7	1466.3	1486.8	1540.9	1486.8	1466.3	1381.4	1268.2	1198.7
67.5°	1131.9	1175.6	1265.6	1319.6	1335.1	1358.2	1355.7	1332.5	1237.3	1160.1	1098.4
70°	990.4	1029.0	1085.6	1149.9	1157.6	1185.9	1160.1	1155.0	1093.3	987.8	954.4
72.5°	794.9	830.9	905.5	933.8	936.4	946.6	933.8	915.8	900.3	789.7	756.3
75°	609.7	630.2	666.3	692.0	692.0	704.8	697.1	679.1	638.0	568.5	535.1
77.5°	424.4	445.0	491.3	506.8	504.2	509.3	486.2	468.2	406.4	370.4	342.1
80°	308.7	321.5	344.7	355.0	357.6	365.3	337.0	321.5	285.5	244.4	231.5
82.5°	223.8	231.5	234.1	246.9	246.9	234.1	226.4	210.9	185.2	159.5	149.2
85°	92.6	95.2	97.8	113.2	115.8	138.9	128.6	120.9	105.5	90.0	82.3
87.5°	23.2	25.7	33.4	28.3	33.4	33.4	36.0	41.2	41.2	33.4	33.4
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°	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7
2.5°	7014.9	7035.5	7297.9	7331.3	7459.9	7591.1	7856.1	8046.4	8200.8	8301.1	8329.4
5°	5937.1	6068.3	6189.2	6384.7	6562.2	6814.3	7105.0	7465.1	7917.8	8149.3	8242.0
7.5°	4648.3	4802.7	4977.6	5167.9	5427.8	5880.5	6268.9	6685.7	7264.4	7503.7	7866.4
10°	3794.3	3966.6	4198.1	4344.8	4658.6	5090.8	5543.5	6024.5	6577.6	6922.3	7341.6
12.5°	3354.4	3495.9	3709.4	4018.1	4252.2	4532.6	4869.5	5476.6	6268.9	6595.6	6883.7
15°	2868.2	3025.1	3272.1	3614.2	3894.6	4229.0	4607.2	5268.3	6112.0	6616.2	6860.6
17.5°	2466.9	2580.1	2839.9	3135.7	3457.3	3822.6	4365.4	5258.0	6276.6	6922.3	7321.0
20°	2189.1	2204.5	2346.0	2598.1	3035.4	3511.3	4216.2	5206.5	6804.0	7449.7	7953.8
22.5°	2014.2	1998.8	2001.3	2214.8	2520.9	3205.2	3982.1	5381.4	7403.4	8288.3	8627.8
25°	1926.7	1885.6	1859.8	1906.1	2184.0	2842.5	3804.6	5613.0	8049.0	8980.2	9397.0
27.5°	1880.4	1808.4	1756.9	1764.7	1967.9	2659.9	3694.0	5713.3	8689.5	9944.9	10091.5
30°	1862.4	1772.4	1697.8	1672.1	1805.8	2405.2	3457.3	5885.6	9263.2	10474.8	10600.8
32.5°	1798.1	1687.5	1615.5	1592.3	1646.3	2181.4	3287.5	6009.1	9770.0	11051.0	11007.3
35°	1723.5	1630.9	1540.9	1497.1	1535.7	2037.3	3151.2	5949.9	10366.7	11498.6	11475.5
37.5°	1715.8	1594.9	1520.3	1448.3	1445.7	1859.8	2966.0	6006.5	10747.5	12301.2	11984.8
40°	1648.9	1571.7	1474.0	1414.8	1381.4	1769.8	2785.9	5872.8	11305.7	12625.3	12314.1
42.5°	1651.5	1535.7	1450.8	1381.4	1347.9	1638.6	2662.4	5836.8	11501.2	13152.7	12468.4
45°	1610.3	1497.1	1425.1	1342.8	1324.8	1538.3	2544.1	5669.6	11845.9	13178.4	12275.5
47.5°	1569.2	1468.8	1391.7	1293.9	1252.8	1502.3	2451.5	5530.6	11665.8	12936.6	12007.9
50°	1540.9	1425.1	1353.1	1283.6	1167.9	1440.5	2330.6	5497.2	11413.7	12609.9	11511.5
52.5°	1492.0	1389.1	1314.5	1260.5	1075.3	1383.9	2284.3	5692.7	11722.4	12365.5	11367.4
55°	1445.7	1340.2	1245.0	1139.6	998.1	1234.7	2155.7	5875.3	12172.6	12928.9	12020.8
57.5°	1396.8	1296.5	1193.6	1067.5	923.5	1080.4	2021.9	5908.8	11328.8	11948.8	11411.1
60°	1332.5	1203.9	1126.7	962.1	843.7	895.2	1602.6	5209.1	8787.3	9978.3	9996.3
62.5°	1260.5	1121.6	1054.7	861.8	761.4	771.7	1306.8	4378.2	7128.1	8260.0	8751.3
65°	1165.3	1031.5	951.8	797.4	702.3	668.8	956.9	3207.8	5414.9	6701.1	7259.3
67.5°	1041.8	915.8	815.4	694.5	627.7	573.6	653.4	1805.8	3197.5	4499.1	4668.9
70°	910.6	802.6	697.1	596.8	522.2	483.6	478.5	800.0	1528.0	2420.6	2755.0
72.5°	717.7	640.5	555.6	481.0	432.2	375.6	342.1	331.8	517.1	985.2	1360.8
75°	514.5	450.2	401.3	352.4	316.4	285.5	259.8	236.7	216.1	246.9	339.6
77.5°	324.1	301.0	262.4	249.5	228.9	221.2	210.9	198.1	182.6	172.4	172.4
80°	218.7	203.2	190.4	187.8	180.1	177.5	180.1	167.2	151.8	138.9	144.1
82.5°	146.6	144.1	141.5	138.9	141.5	144.1	149.2	146.6	133.8	126.0	128.6
85°	87.5	92.6	97.8	102.9	113.2	100.3	82.3	69.5	61.7	56.6	54.0
87.5°	33.4	46.3	41.2	38.6	41.2	38.6	36.0	33.4	28.3	25.7	25.7
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: P530032

CATALOG NUMBER: GLAN-SA5B-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7	7876.7
2.5°	8517.2	8568.6	8612.4	8602.1	8512.1	8391.2	8342.3	8092.8	8041.3	8007.9
5°	8633.0	8931.4	8995.7	8957.1	8723.0	8427.2	8139.1	7773.8	7560.3	7552.5
7.5°	8419.4	8787.3	8903.1	8990.5	8679.3	8164.8	7670.9	7123.0	6989.2	6999.5
10°	7876.7	8463.2	8748.7	8838.7	8481.2	8036.2	7351.9	6796.3	6510.7	6505.6
12.5°	7575.7	8036.2	8115.9	8242.0	8136.5	7686.3	7166.7	6544.2	6266.4	6261.2
15°	7308.2	7611.7	7634.9	7812.4	7869.0	7565.4	7215.6	6551.9	6328.1	6304.9
17.5°	7542.3	7331.3	7243.9	7267.0	7434.2	7544.8	7498.5	6989.2	6760.3	6631.6
20°	7699.2	7228.4	6963.5	6989.2	7187.3	7591.1	7920.4	7622.0	7259.3	7274.7
22.5°	8118.5	7243.9	6829.7	6801.4	7115.2	7832.9	8396.3	8422.0	8072.2	7987.3
25°	8746.1	7421.4	6788.5	6780.8	7081.8	8092.8	8951.9	9368.7	9011.1	8854.2
27.5°	9250.3	7699.2	6917.2	6942.9	7187.3	8303.7	9425.3	9978.3	9705.6	9512.7
30°	9692.8	7987.3	7097.2	6978.9	7470.2	8414.3	9628.5	10672.9	10454.2	10294.7
32.5°	9875.4	8396.3	7382.8	7187.3	7704.3	8548.1	10050.3	11346.8	11159.0	10765.5
35°	10184.1	8625.2	7537.1	7521.7	8113.3	8869.6	10248.4	11791.9	11714.7	11364.8
37.5°	10431.1	8856.8	8085.0	7915.3	8674.1	9409.8	10567.4	12406.7	12229.2	12064.5
40°	10621.4	9270.9	8596.9	8820.7	9363.5	9901.1	10860.6	12445.2	12957.2	12478.7
42.5°	10446.5	9641.3	9438.1	9973.2	10487.7	10461.9	10894.1	12743.6	13126.9	12877.4
45°	10402.8	10269.0	10768.0	11254.2	11372.6	10927.5	10654.9	12414.4	13075.5	12964.9
47.5°	10297.3	10886.4	11755.8	12548.1	12368.1	11238.8	10369.3	12355.2	13106.3	12908.3
50°	10261.3	11020.1	12486.4	13258.1	13150.1	11508.9	10235.6	11974.5	12887.7	12869.7
52.5°	10258.7	11295.4	12789.9	13644.0	13710.9	11935.9	10418.2	12167.4	13057.5	13209.2
55°	10374.5	11207.9	12751.4	13430.5	13404.7	11745.6	10438.8	12296.0	13265.8	13415.0
57.5°	9785.4	10040.1	10523.7	11061.3	10922.4	9728.8	9322.4	11367.4	12175.1	12067.1
60°	8450.3	7652.9	7107.5	7081.8	6811.7	6438.7	7629.7	10145.5	10145.5	10040.1
62.5°	7400.8	5023.9	4316.5	4115.8	4308.8	4738.4	7359.6	9867.7	9587.3	9466.4
65°	6472.1	3835.4	3120.3	3063.7	3398.1	4046.4	6654.8	8406.6	7912.7	7511.4
67.5°	4164.7	2809.1	2320.3	2220.0	2623.8	2971.1	4429.7	5170.5	4859.3	4702.3
70°	2685.6	1829.0	1291.3	1211.6	1368.5	1831.5	2829.6	3014.8	2562.1	2456.6
72.5°	1270.8	789.7	452.7	373.0	419.3	699.7	1119.0	1203.9	1000.7	915.8
75°	403.9	290.7	185.2	159.5	151.8	180.1	257.2	198.1	144.1	141.5
77.5°	180.1	172.4	146.6	123.5	108.0	90.0	74.6	61.7	64.3	66.9
80°	149.2	136.3	120.9	108.0	90.0	69.5	54.0	41.2	41.2	43.7
82.5°	131.2	118.3	105.5	90.0	77.2	56.6	41.2	28.3	25.7	25.7
85°	56.6	66.9	72.0	77.2	61.7	46.3	28.3	18.0	15.4	15.4
87.5°	23.2	20.6	18.0	15.4	12.9	12.9	10.3	7.7	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)