

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: P529798

Luminaire Tested: **GLAN-SA5A-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529798
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-SA5A-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 615mA 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: 14264 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

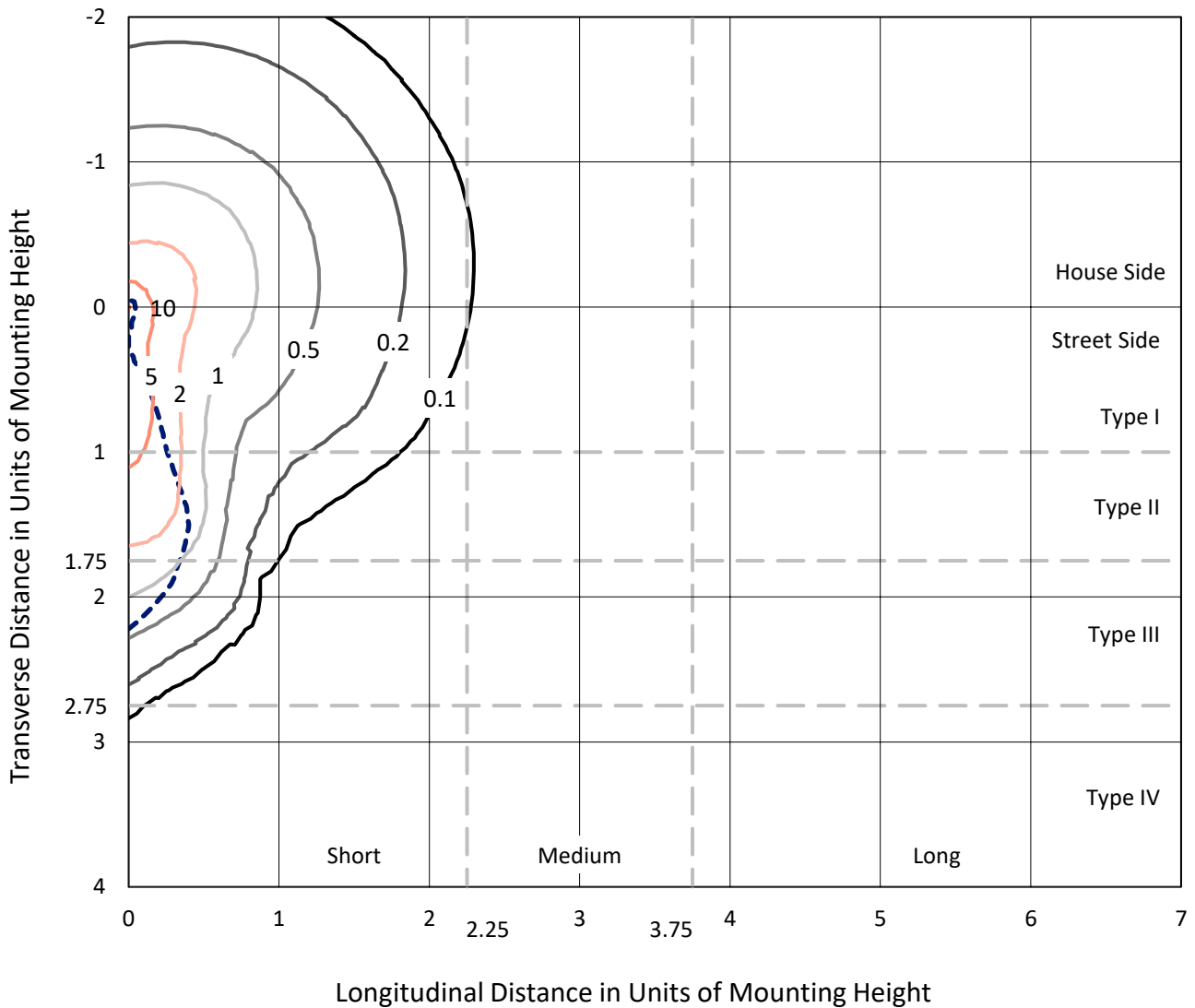
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

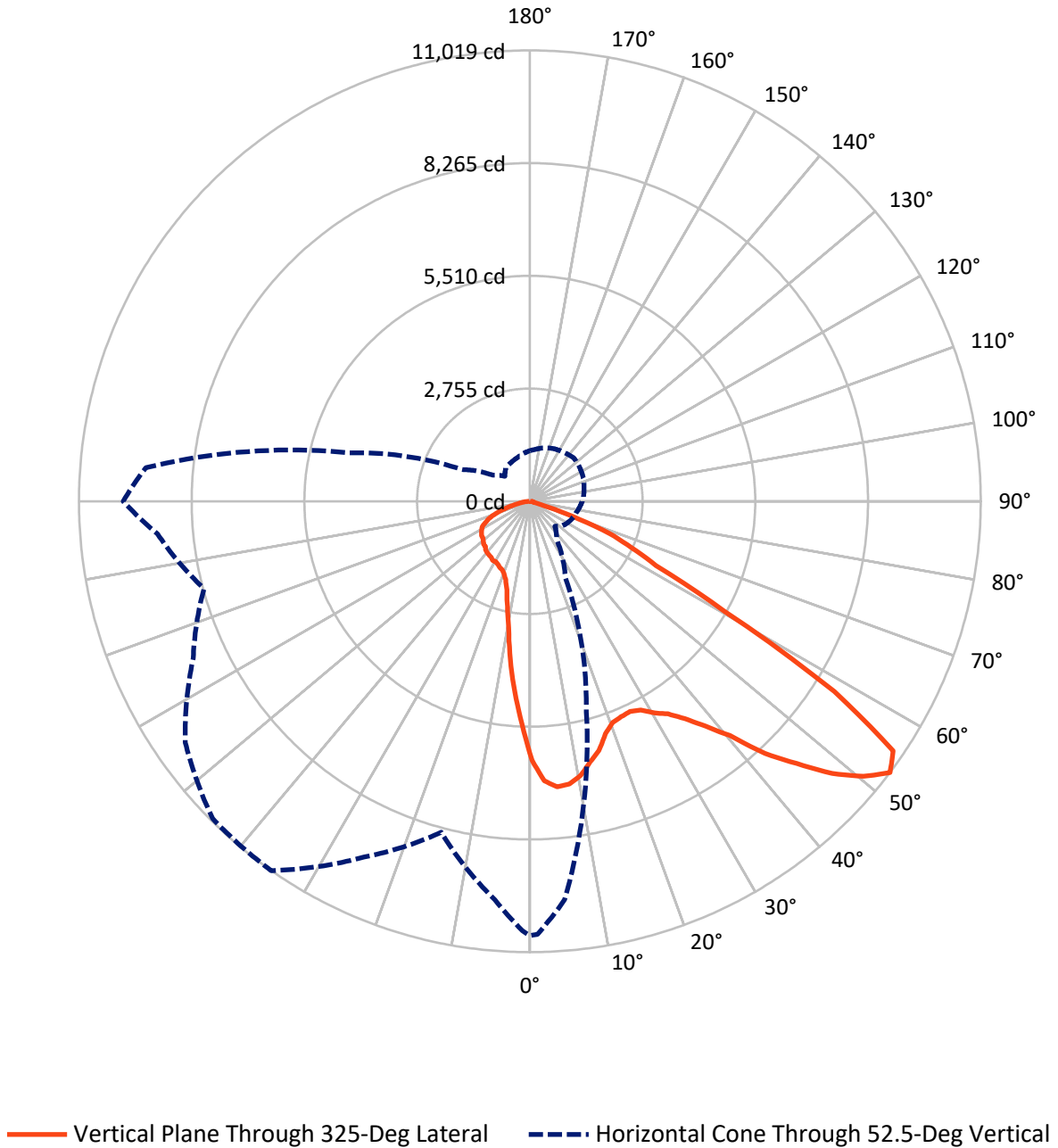
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4300.0	0.0	4300.0
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	9964.0	0.0	9964.0
	% Fixture	69.9	0.0	69.9
Total	Lumens	14264.0	0.0	14264.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.0	3.4
10°-20°	1047.0	7.3
20°-30°	1581.9	11.1
30°-40°	2285.9	16.0
40°-50°	3042.1	21.3
50°-60°	3402.7	23.9
60°-70°	1917.7	13.4
70°-80°	427.5	3.0
80°-90°	76.1	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°	14264.0	100.0
0°-180°	14264.0	100.0

Coefficient of Utilization



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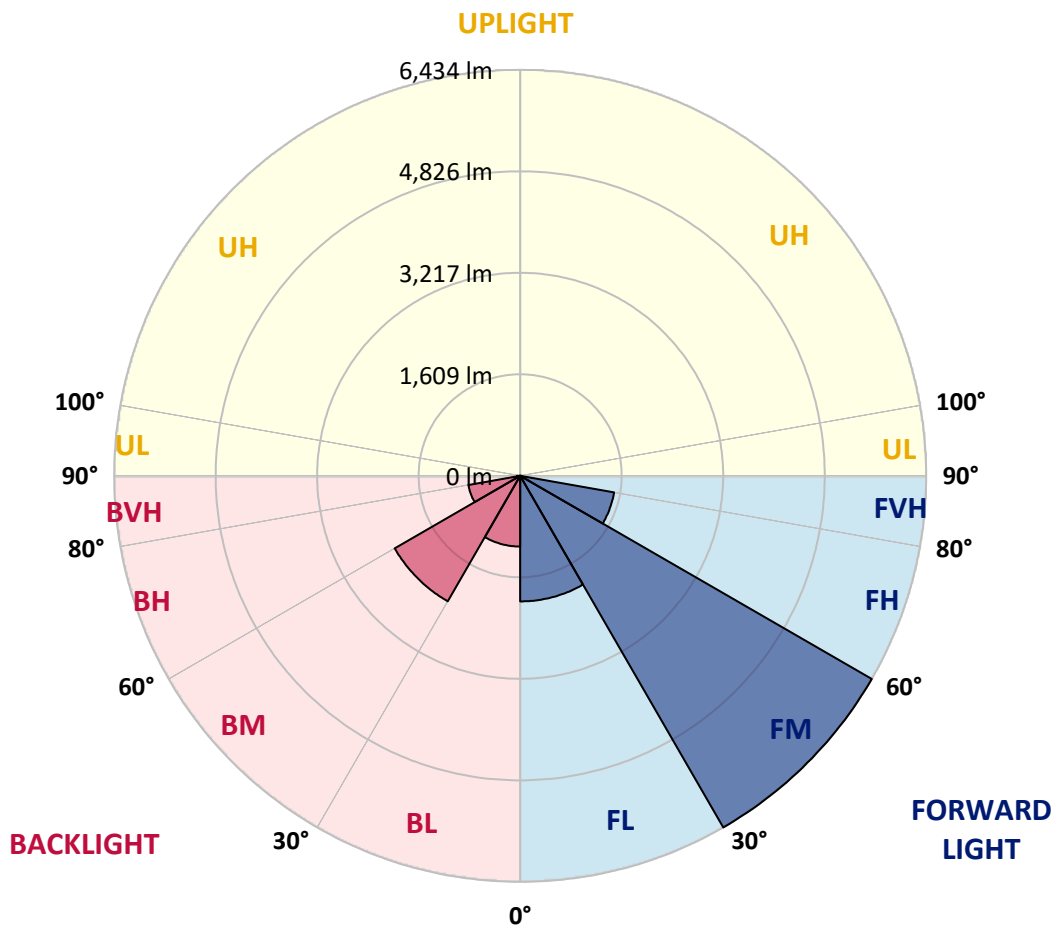
CATALOG NUMBER: GLAN-SA5A-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1990.5	14.0			
FM (30°-60°)	6434.2	45.1			
FH (60°-80°)	1511.8	10.6			G1/1800
FVH (80°-90°)	27.6	0.2			G1/100
BL (0°-30°)	1121.3	7.9	B3/2500		
BM (30°-60°)	2296.6	16.1	B2/2500		
BH (60°-80°)	833.5	5.8	B2/1000		G2/1000
BVH (80°-90°)	48.6	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5
2.5°	6435.9	6539.3	6427.6	6229.1	6088.6	5960.4	5826.0	5799.1	5623.4	5592.4	5464.2
5°	6070.0	6047.2	5910.8	5650.3	5362.9	5102.4	4910.1	4724.1	4597.9	4451.2	4440.8
7.5°	5625.5	5493.1	5414.6	5019.7	4664.1	4254.8	4079.0	3795.8	3706.9	3574.6	3506.4
10°	5228.5	5131.3	4947.3	4552.5	4056.3	3785.5	3597.3	3444.3	3341.0	3204.5	3032.9
12.5°	5032.1	4992.8	4786.1	4174.1	3806.1	3516.7	3384.4	3235.5	3059.8	2840.6	2755.9
15°	5067.3	4934.9	4777.8	4101.8	3593.2	3314.1	3103.2	2917.1	2691.8	2483.0	2361.0
17.5°	5329.8	5228.5	4914.3	4147.3	3512.6	3109.4	2726.9	2452.0	2249.4	2061.2	1976.5
20°	5846.7	5699.9	5346.4	4205.1	3338.9	2824.1	2385.8	2046.7	1829.7	1730.4	1701.5
22.5°	6419.4	6332.5	5768.1	4335.4	3200.4	2559.5	2024.0	1685.0	1604.3	1577.4	1631.2
25°	7116.1	6890.7	6423.5	4548.3	3092.9	2334.1	1718.0	1529.9	1488.5	1515.4	1577.4
27.5°	7645.3	7585.4	6882.5	4748.9	2946.1	2063.3	1546.4	1422.4	1434.8	1461.7	1519.6
30°	8273.8	7969.9	7326.9	4887.4	2813.8	1877.2	1426.5	1393.4	1405.8	1451.3	1480.3
32.5°	8652.2	8538.5	7606.1	5096.2	2660.8	1716.0	1333.5	1302.5	1321.1	1389.3	1457.5
35°	9133.9	8908.5	7951.3	5150.0	2553.3	1651.9	1267.3	1244.6	1288.0	1335.6	1412.1
37.5°	9696.2	9541.2	8428.9	5112.7	2495.4	1585.7	1211.5	1201.2	1232.2	1298.3	1387.2
40°	10029.1	9981.5	8679.0	5135.5	2404.4	1527.8	1147.4	1159.8	1223.9	1275.6	1362.4
42.5°	10349.5	10039.4	9049.1	5127.2	2346.5	1449.3	1153.6	1139.2	1188.8	1248.7	1331.4
45°	10419.8	10111.8	9135.9	5069.3	2276.2	1372.8	1106.1	1112.3	1172.2	1246.7	1300.4
47.5°	10374.3	10146.9	9297.2	5052.8	2210.1	1319.0	1035.8	1110.2	1145.4	1205.3	1281.8
50°	10343.3	10330.9	9433.7	5131.3	2121.2	1234.3	951.0	1083.3	1118.5	1178.4	1261.1
52.5°	10616.2	10589.3	9774.8	5338.1	2050.9	1143.3	864.2	1015.1	1099.9	1157.8	1238.4
55°	10781.6	10663.8	10359.9	5592.4	1933.0	1023.4	804.2	930.3	1054.4	1106.1	1188.8
57.5°	9698.3	9617.7	9371.6	5220.2	1734.6	866.3	729.8	843.5	992.4	1073.0	1157.8
60°	8069.2	7943.0	7312.5	4436.7	1279.7	674.0	684.3	775.3	975.8	1006.8	1106.1
62.5°	7608.1	7295.9	6438.0	3570.4	982.0	578.9	614.0	713.3	889.0	940.7	1039.9
65°	6036.9	5805.3	4606.2	2578.1	657.4	502.4	560.3	643.0	767.0	868.3	959.3
67.5°	3779.3	3558.0	2458.2	1219.8	459.0	430.0	500.3	587.1	688.5	779.4	880.7
70°	1974.4	1732.5	1135.0	440.4	316.3	351.5	417.6	500.3	599.6	674.0	752.5
72.5°	736.0	597.5	370.1	190.2	219.1	268.8	339.1	399.0	469.3	560.3	603.7
75°	113.7	97.2	95.1	115.8	148.9	194.3	241.9	301.8	363.9	421.8	450.7
77.5°	53.8	51.7	57.9	76.5	99.2	138.5	175.7	233.6	283.2	320.5	337.0
80°	35.1	33.1	37.2	51.7	74.4	103.4	140.6	179.9	225.3	256.4	252.2
82.5°	20.7	22.7	22.7	35.1	51.7	74.4	101.3	136.4	167.5	194.3	177.8
85°	12.4	10.3	10.3	20.7	35.1	60.0	84.8	57.9	60.0	60.0	68.2
87.5°	4.1	4.1	4.1	2.1	4.1	4.1	6.2	10.3	12.4	14.5	18.6
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°	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5
2.5°	5460.1	5524.2	5501.4	5420.8	5482.8	5493.1	5451.8	5594.4	5621.3	5577.9	5590.3
5°	4426.4	4442.9	4480.1	4558.7	4614.5	4680.6	4680.6	4684.8	4629.0	4769.5	4728.2
7.5°	3448.5	3458.8	3502.2	3669.7	3717.2	3843.3	3897.1	3859.9	3748.2	3700.7	3740.0
10°	2977.1	2917.1	2902.7	2923.3	3030.8	3084.6	3130.1	3117.7	3099.1	3061.9	3020.5
12.5°	2662.8	2619.4	2584.3	2534.7	2540.9	2592.5	2627.7	2598.8	2607.0	2615.3	2627.7
15°	2321.7	2290.7	2272.1	2197.7	2189.4	2224.5	2237.0	2253.5	2284.5	2286.6	2272.1
17.5°	1959.9	1933.0	1974.4	2015.7	1986.8	1988.9	2011.6	2026.1	2017.8	1980.6	1962.0
20°	1711.8	1740.8	1782.1	1821.4	1852.4	1871.0	1879.3	1856.5	1829.7	1753.2	1751.1
22.5°	1639.5	1676.7	1711.8	1771.8	1800.7	1848.3	1804.9	1753.2	1716.0	1678.7	1635.3
25°	1585.7	1616.7	1687.0	1709.8	1765.6	1804.9	1773.8	1722.2	1658.1	1604.3	1571.2
27.5°	1546.4	1581.6	1627.1	1689.1	1732.5	1755.2	1724.2	1703.6	1637.4	1573.3	1525.8
30°	1521.6	1558.8	1641.5	1693.2	1730.4	1749.0	1695.3	1670.5	1622.9	1569.2	1527.8
32.5°	1505.1	1538.2	1608.5	1674.6	1699.4	1699.4	1707.7	1678.7	1612.6	1521.6	1486.5
35°	1451.3	1496.8	1554.7	1631.2	1676.7	1703.6	1662.2	1629.1	1585.7	1492.7	1428.6
37.5°	1420.3	1451.3	1525.8	1598.1	1637.4	1666.3	1649.8	1591.9	1534.0	1457.5	1405.8
40°	1387.2	1436.9	1503.0	1571.2	1614.7	1643.6	1631.2	1563.0	1492.7	1420.3	1385.2
42.5°	1364.5	1397.6	1465.8	1542.3	1594.0	1649.8	1612.6	1527.8	1478.2	1379.0	1339.7
45°	1345.9	1399.6	1472.0	1503.0	1556.8	1614.7	1548.5	1496.8	1438.9	1366.6	1333.5
47.5°	1323.2	1372.8	1420.3	1503.0	1527.8	1554.7	1542.3	1459.6	1410.0	1331.4	1308.7
50°	1314.9	1333.5	1420.3	1465.8	1500.9	1527.8	1494.7	1432.7	1385.2	1304.5	1254.9
52.5°	1281.8	1316.9	1372.8	1432.7	1476.1	1509.2	1455.5	1416.2	1352.1	1267.3	1236.3
55°	1240.5	1261.1	1360.4	1422.4	1445.1	1467.9	1447.2	1383.1	1316.9	1230.1	1199.1
57.5°	1186.7	1234.3	1314.9	1401.7	1430.7	1443.1	1410.0	1358.3	1275.6	1199.1	1149.5
60°	1130.9	1180.5	1269.4	1339.7	1368.6	1414.1	1364.5	1333.5	1238.4	1153.6	1099.9
62.5°	1075.1	1130.9	1197.0	1285.9	1310.7	1329.4	1316.9	1273.5	1197.0	1101.9	1035.8
65°	1008.9	1050.3	1132.9	1178.4	1195.0	1238.4	1195.0	1178.4	1110.2	1019.2	963.4
67.5°	909.7	944.8	1017.2	1060.6	1073.0	1091.6	1089.5	1070.9	994.4	932.4	882.8
70°	796.0	827.0	872.5	924.1	930.3	953.1	932.4	928.3	878.7	793.9	767.0
72.5°	638.8	667.8	727.7	750.5	752.5	760.8	750.5	736.0	723.6	634.7	607.8
75°	490.0	506.5	535.5	556.1	556.1	566.5	560.3	545.8	512.7	456.9	430.0
77.5°	341.1	357.7	394.9	407.3	405.2	409.3	390.7	376.3	326.7	297.7	275.0
80°	248.1	258.4	277.0	285.3	287.4	293.6	270.8	258.4	229.5	196.4	186.1
82.5°	179.9	186.1	188.1	198.5	198.5	188.1	181.9	169.5	148.9	128.2	119.9
85°	74.4	76.5	78.6	91.0	93.0	111.6	103.4	97.2	84.8	72.4	66.2
87.5°	18.6	20.7	26.9	22.7	26.9	26.9	28.9	33.1	33.1	26.9	26.9
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°	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5
2.5°	5637.9	5654.4	5865.3	5892.2	5995.5	6101.0	6313.9	6466.9	6590.9	6671.6	6694.3
5°	4771.6	4877.1	4974.2	5131.3	5274.0	5476.6	5710.2	5999.7	6363.5	6549.6	6624.0
7.5°	3735.8	3859.9	4000.5	4153.5	4362.3	4726.1	5038.3	5373.2	5838.4	6030.7	6322.2
10°	3049.4	3188.0	3374.0	3491.9	3744.1	4091.4	4455.3	4841.9	5286.4	5563.4	5900.4
12.5°	2695.9	2809.6	2981.2	3229.3	3417.5	3642.8	3913.6	4401.5	5038.3	5300.9	5532.4
15°	2305.2	2431.3	2629.8	2904.7	3130.1	3398.8	3702.8	4234.1	4912.2	5317.4	5513.8
17.5°	1982.7	2073.6	2282.4	2520.2	2778.6	3072.2	3508.4	4225.8	5044.5	5563.4	5883.9
20°	1759.4	1771.8	1885.5	2088.1	2439.6	2822.0	3388.5	4184.5	5468.3	5987.3	6392.5
22.5°	1618.8	1606.4	1608.5	1780.1	2026.1	2576.0	3200.4	4325.1	5950.0	6661.2	6934.1
25°	1548.5	1515.4	1494.7	1532.0	1755.2	2284.5	3057.7	4511.1	6469.0	7217.4	7552.3
27.5°	1511.3	1453.4	1412.1	1418.3	1581.6	2137.7	2968.8	4591.7	6983.8	7992.7	8110.5
30°	1496.8	1424.5	1364.5	1343.8	1451.3	1933.0	2778.6	4730.3	7444.8	8418.5	8519.9
32.5°	1445.1	1356.2	1298.3	1279.7	1323.2	1753.2	2642.2	4829.5	7852.1	8881.7	8846.5
35°	1385.2	1310.7	1238.4	1203.2	1234.3	1637.4	2532.6	4782.0	8331.7	9241.4	9222.8
37.5°	1379.0	1281.8	1221.8	1164.0	1161.9	1494.7	2383.7	4827.4	8637.7	9886.4	9632.1
40°	1325.2	1263.2	1184.6	1137.1	1110.2	1422.4	2239.0	4719.9	9086.3	10146.9	9896.8
42.5°	1327.3	1234.3	1166.0	1110.2	1083.3	1316.9	2139.8	4691.0	9243.5	10570.7	10020.8
45°	1294.2	1203.2	1145.4	1079.2	1064.7	1236.3	2044.7	4556.6	9520.5	10591.4	9865.7
47.5°	1261.1	1180.5	1118.5	1039.9	1006.8	1207.4	1970.3	4445.0	9375.8	10397.1	9650.7
50°	1238.4	1145.4	1087.5	1031.6	938.6	1157.8	1873.1	4418.1	9173.2	10134.5	9251.7
52.5°	1199.1	1116.4	1056.5	1013.0	864.2	1112.3	1835.9	4575.2	9421.2	9938.1	9135.9
55°	1161.9	1077.1	1000.6	915.9	802.2	992.4	1732.5	4722.0	9783.0	10390.9	9661.1
57.5°	1122.6	1042.0	959.3	858.0	742.2	868.3	1625.0	4748.9	9104.9	9603.2	9171.1
60°	1070.9	967.6	905.5	773.2	678.1	719.5	1288.0	4186.5	7062.3	8019.5	8034.0
62.5°	1013.0	901.4	847.6	692.6	612.0	620.2	1050.3	3518.8	5728.8	6638.5	7033.4
65°	936.5	829.0	764.9	640.9	564.4	537.5	769.1	2578.1	4351.9	5385.6	5834.3
67.5°	837.3	736.0	655.4	558.2	504.5	461.0	525.1	1451.3	2569.8	3615.9	3752.4
70°	731.9	645.0	560.3	479.6	419.7	388.7	384.5	643.0	1228.0	1945.4	2214.2
72.5°	576.8	514.8	446.6	386.6	347.3	301.8	275.0	266.7	415.6	791.8	1093.7
75°	413.5	361.8	322.5	283.2	254.3	229.5	208.8	190.2	173.7	198.5	272.9
77.5°	260.5	241.9	210.9	200.5	184.0	177.8	169.5	159.2	146.8	138.5	138.5
80°	175.7	163.3	153.0	150.9	144.7	142.7	144.7	134.4	122.0	111.6	115.8
82.5°	117.8	115.8	113.7	111.6	113.7	115.8	119.9	117.8	107.5	101.3	103.4
85°	70.3	74.4	78.6	82.7	91.0	80.6	66.2	55.8	49.6	45.5	43.4
87.5°	26.9	37.2	33.1	31.0	33.1	31.0	28.9	26.9	22.7	20.7	20.7
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: P529798

CATALOG NUMBER: GLAN-SA5A-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5	6330.5
2.5°	6845.2	6886.6	6921.7	6913.5	6841.1	6743.9	6704.7	6504.1	6462.8	6435.9
5°	6938.3	7178.1	7229.8	7198.8	7010.6	6772.9	6541.3	6247.8	6076.2	6070.0
7.5°	6766.7	7062.3	7155.4	7225.6	6975.5	6562.0	6165.1	5724.7	5617.2	5625.5
10°	6330.5	6801.8	7031.3	7103.7	6816.3	6458.6	5908.7	5462.1	5232.6	5228.5
12.5°	6088.6	6458.6	6522.7	6624.0	6539.3	6177.5	5759.8	5259.5	5036.2	5032.1
15°	5873.6	6117.5	6136.1	6278.8	6324.2	6080.3	5799.1	5265.7	5085.9	5067.3
17.5°	6061.7	5892.2	5821.9	5840.5	5974.9	6063.8	6026.5	5617.2	5433.2	5329.8
20°	6187.8	5809.5	5596.5	5617.2	5776.4	6101.0	6365.6	6125.8	5834.3	5846.7
22.5°	6524.8	5821.9	5489.0	5466.3	5718.5	6295.3	6748.1	6768.7	6487.6	6419.4
25°	7029.2	5964.5	5455.9	5449.7	5691.6	6504.1	7194.6	7529.6	7242.2	7116.1
27.5°	7434.5	6187.8	5559.3	5580.0	5776.4	6673.6	7575.0	8019.5	7800.4	7645.3
30°	7790.1	6419.4	5704.0	5608.9	6003.8	6762.5	7738.4	8577.7	8402.0	8273.8
32.5°	7936.8	6748.1	5933.5	5776.4	6191.9	6870.0	8077.4	9119.4	8968.5	8652.2
35°	8184.9	6932.1	6057.6	6045.1	6520.7	7128.5	8236.6	9477.1	9415.0	9133.9
37.5°	8383.4	7118.1	6497.9	6361.5	6971.4	7562.6	8493.0	9971.2	9828.5	9696.2
40°	8536.4	7451.0	6909.3	7089.2	7525.4	7957.5	8728.7	10002.2	10413.6	10029.1
42.5°	8395.8	7748.7	7585.4	8015.4	8428.9	8408.2	8755.5	10242.0	10550.1	10349.5
45°	8360.7	8253.2	8654.2	9045.0	9140.1	8782.4	8563.3	9977.4	10508.7	10419.8
47.5°	8275.9	8749.3	9448.1	10084.9	9940.2	9032.6	8333.8	9929.8	10533.5	10374.3
50°	8247.0	8856.8	10035.3	10655.5	10568.7	9249.7	8226.3	9623.9	10357.8	10343.3
52.5°	8244.9	9078.1	10279.2	10965.6	11019.4	9592.8	8373.1	9778.9	10494.2	10616.2
55°	8337.9	9007.8	10248.2	10794.0	10773.3	9439.9	8389.6	9882.3	10661.7	10781.6
57.5°	7864.5	8069.2	8457.8	8889.9	8778.3	7819.0	7492.3	9135.9	9785.1	9698.3
60°	6791.5	6150.6	5712.3	5691.6	5474.5	5174.8	6132.0	8153.9	8153.9	8069.2
62.5°	5948.0	4037.7	3469.1	3307.9	3462.9	3808.2	5914.9	7930.6	7705.3	7608.1
65°	5201.6	3082.5	2507.8	2462.3	2731.1	3252.1	5348.4	6756.3	6359.4	6036.9
67.5°	3347.2	2257.6	1864.8	1784.2	2108.8	2387.9	3560.1	4155.5	3905.4	3779.3
70°	2158.4	1469.9	1037.8	973.8	1099.9	1472.0	2274.2	2423.0	2059.2	1974.4
72.5°	1021.3	634.7	363.9	299.8	337.0	562.3	899.3	967.6	804.2	736.0
75°	324.6	233.6	148.9	128.2	122.0	144.7	206.7	159.2	115.8	113.7
77.5°	144.7	138.5	117.8	99.2	86.8	72.4	60.0	49.6	51.7	53.8
80°	119.9	109.6	97.2	86.8	72.4	55.8	43.4	33.1	33.1	35.1
82.5°	105.4	95.1	84.8	72.4	62.0	45.5	33.1	22.7	20.7	20.7
85°	45.5	53.8	57.9	62.0	49.6	37.2	22.7	14.5	12.4	12.4
87.5°	18.6	16.5	14.5	12.4	10.3	10.3	8.3	6.2	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)