

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: P528860

Luminaire Tested: **GLAN-SA4A-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11268 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

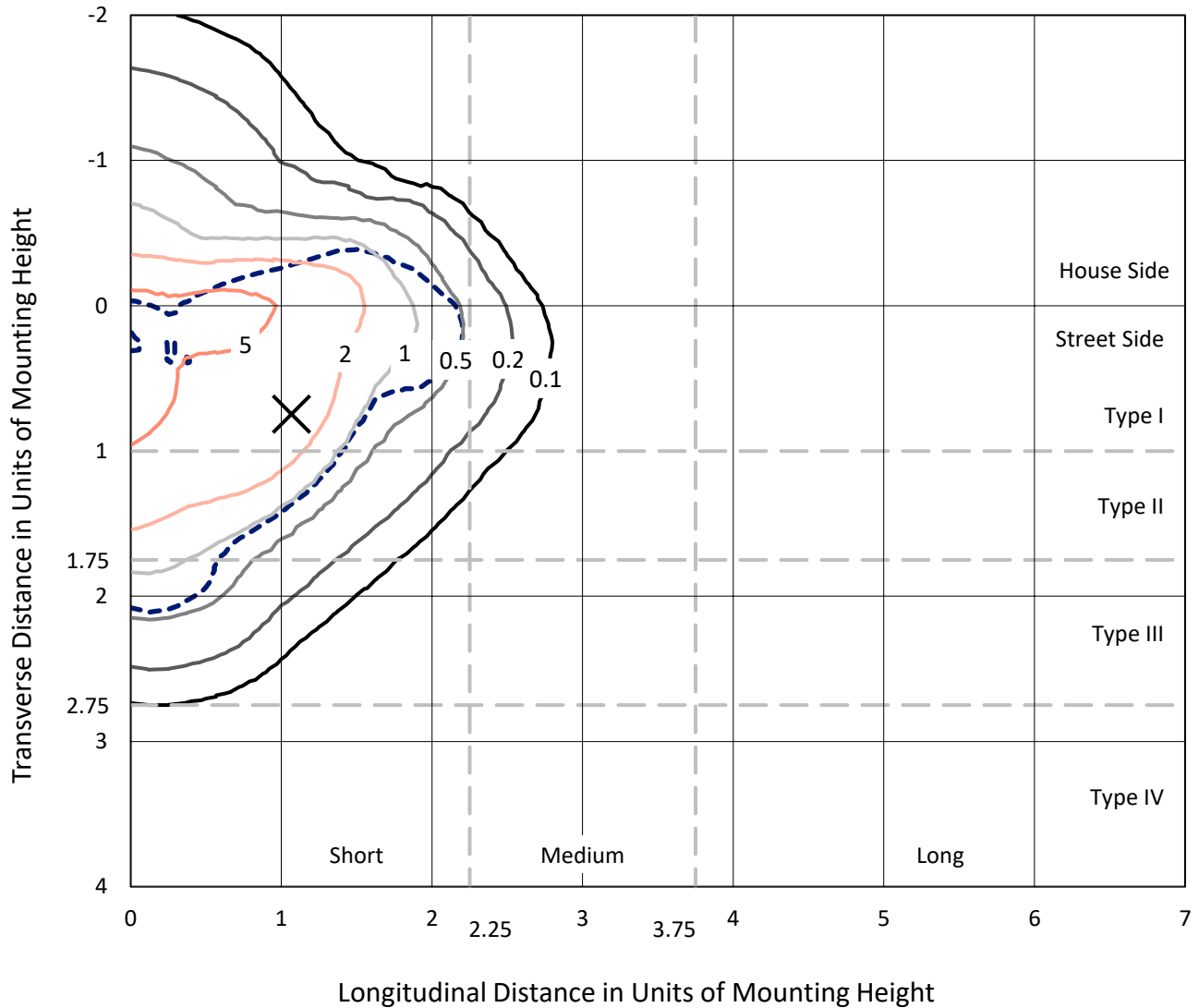
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

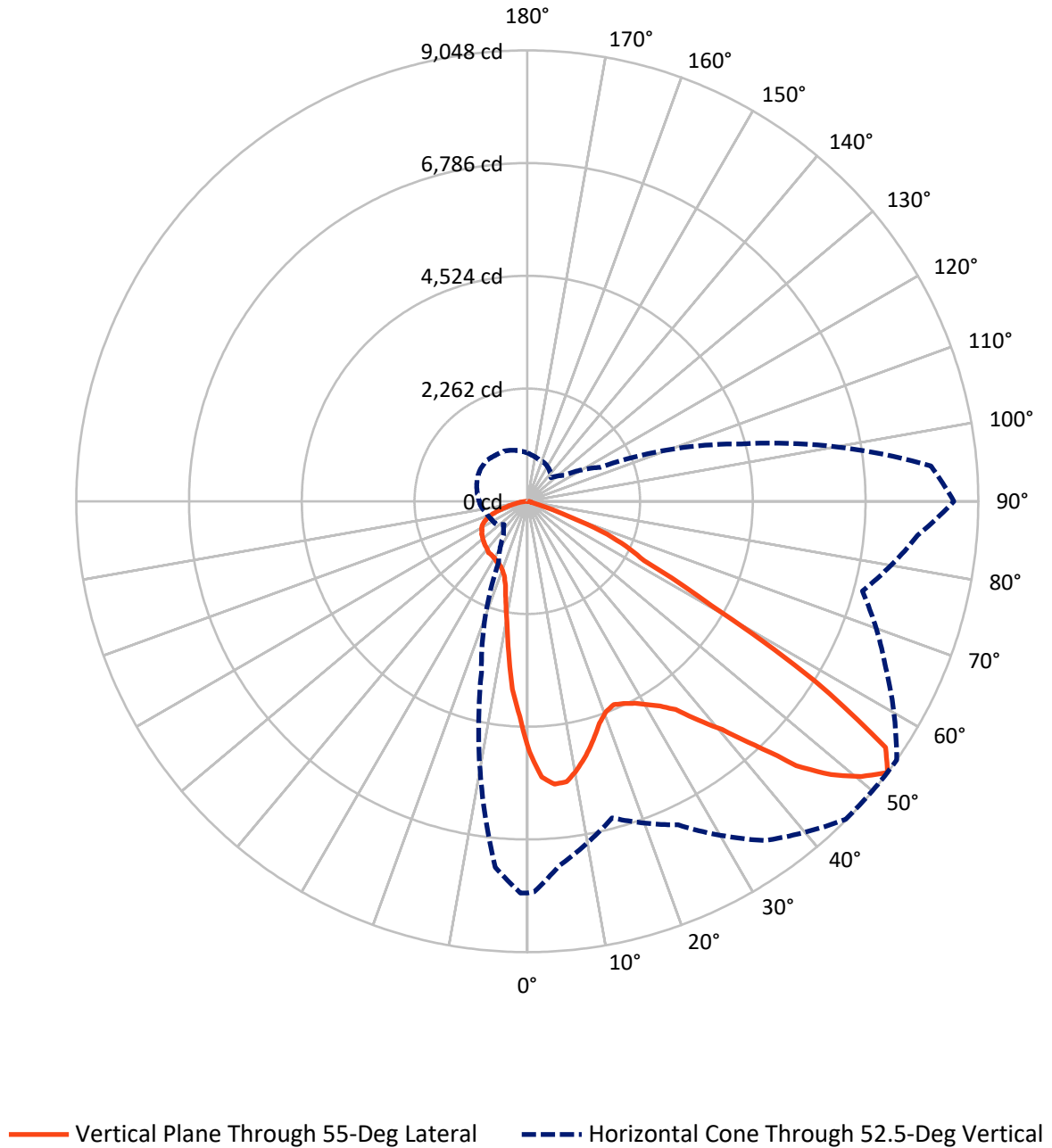
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3437.4	0.0	3437.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	7830.6	0.0	7830.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	11268.0	0.0	11268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.0	3.4
10°-20°	828.0	7.3
20°-30°	1255.5	11.1
30°-40°	1814.0	16.1
40°-50°	2424.0	21.5
50°-60°	2705.7	24.0
60°-70°	1484.2	13.2
70°-80°	320.9	2.8
80°-90°	51.9	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°	11268.0	100.0
0°-180°	11268.0	100.0

Coefficient of Utilization



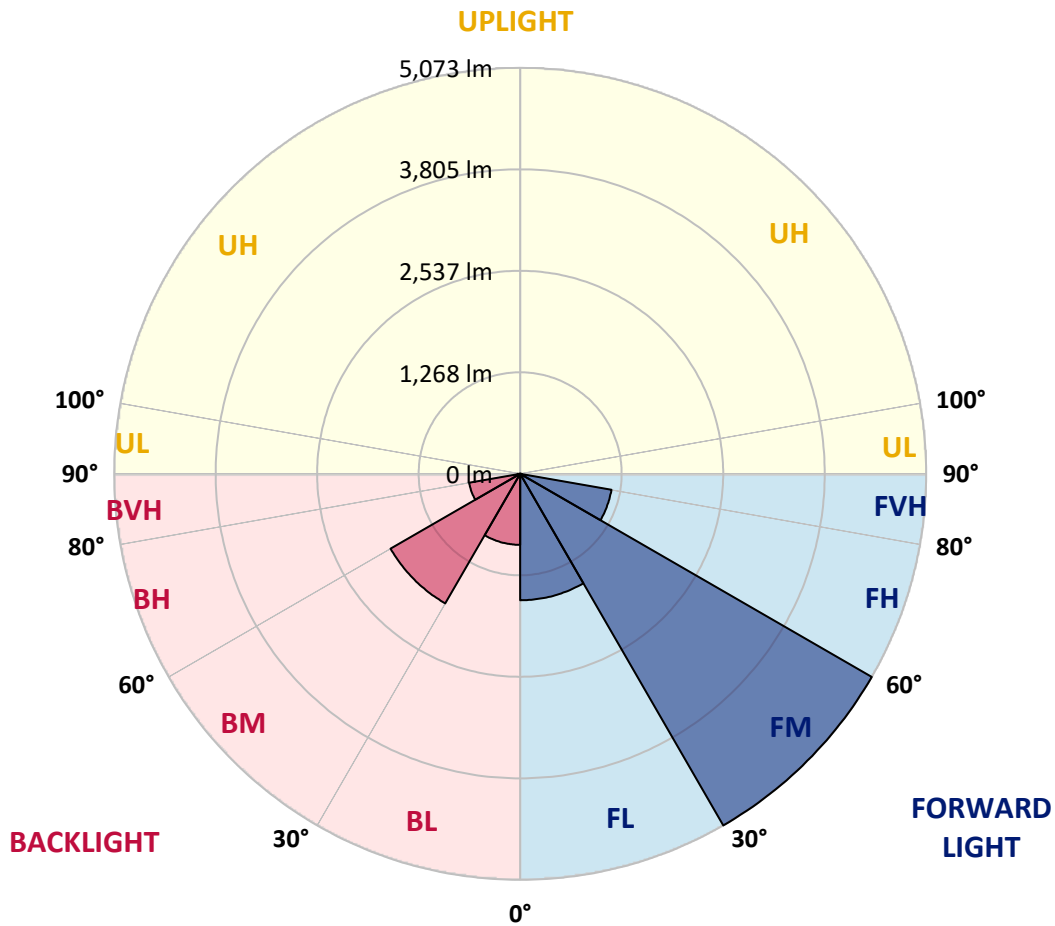
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1580.0	14.0			
FM (30°-60°)	5073.4	45.0			
FH (60°-80°)	1158.1	10.3			G1/1800
FVH (80°-90°)	19.2	0.2			G1/100
BL (0°-30°)	887.5	7.9	B2/1000		
BM (30°-60°)	1870.2	16.6	B2/2500		
BH (60°-80°)	647.0	5.7	B2/1000		G2/1000
BVH (80°-90°)	32.7	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4
2.5°	5274.8	5245.2	5271.5	5396.6	5469.0	5518.3	5549.6	5544.7	5426.2	5311.0	5311.0
5°	5120.2	5082.3	5136.6	5419.6	5704.3	5728.9	5770.1	5702.6	5528.2	5317.6	5054.4
7.5°	4672.7	4700.6	4791.1	5163.0	5533.2	5719.1	5768.4	5682.9	5399.9	5006.7	4620.0
10°	4286.0	4351.8	4560.8	4962.2	5302.8	5544.7	5599.0	5478.9	5255.1	4773.0	4427.5
12.5°	4152.7	4111.6	4343.6	4745.1	5070.8	5200.8	5225.5	5233.7	5082.3	4654.6	4233.4
15°	4136.3	4162.6	4343.6	4648.0	4848.7	4855.3	4896.4	4960.6	4980.3	4735.2	4323.9
17.5°	4373.2	4342.0	4527.9	4769.7	4674.3	4578.9	4588.7	4680.9	4843.8	4804.3	4608.5
20°	4723.7	4794.4	4940.8	4916.2	4659.5	4417.6	4419.3	4506.5	4827.3	5090.6	5005.0
22.5°	5306.1	5375.2	5483.8	5186.0	4659.5	4369.9	4314.0	4432.4	4932.6	5431.1	5452.5
25°	5837.5	5964.2	5993.8	5643.4	4893.1	4414.3	4378.2	4495.0	5037.9	5763.5	5965.9
27.5°	6321.3	6367.3	6497.3	5937.9	5023.1	4444.0	4440.7	4590.4	5171.2	5929.7	6424.9
30°	6703.0	6698.0	6772.1	6123.8	5230.4	4610.1	4450.5	4733.5	5345.6	6204.4	6849.4
32.5°	6962.9	7018.9	7175.2	6382.1	5317.6	4768.1	4643.0	4901.4	5557.8	6334.4	7148.8
35°	7420.3	7517.4	7320.0	6525.3	5594.0	4924.4	4778.0	5130.1	5663.1	6475.9	7515.7
37.5°	7851.4	7777.3	7576.6	6602.6	5773.4	5214.0	5077.4	5572.6	5990.5	6783.6	7759.2
40°	8127.8	8126.1	7769.1	6665.1	5900.1	5656.6	5648.3	6021.8	6392.0	6977.7	8032.4
42.5°	8247.9	8363.1	7848.1	6658.5	6166.6	6192.9	6359.1	6693.1	6676.6	7017.2	8025.8
44°	8412.4	8481.5	7984.7	6673.3	6344.3	6554.9	6946.5	7158.7	6925.1	6995.8	8017.6
45°	8405.9	8410.8	7790.5	6693.1	6495.7	6857.6	7208.1	7566.7	7143.9	6949.8	8126.1
47.5°	8213.4	8157.4	7626.0	6546.7	6967.9	7657.2	7981.4	8198.5	7413.7	6851.0	7991.2
50°	7833.3	7769.1	7226.2	6484.1	7066.6	8154.1	8601.6	8680.6	7658.9	6754.0	7858.0
52.5°	7859.6	7841.5	7339.7	6577.9	7165.3	8310.4	9027.8	9047.5	7936.9	6958.0	7859.6
55°	8330.2	8267.6	7665.5	6694.7	7092.9	8127.8	8756.3	8721.7	7843.2	6834.6	8004.4
57.5°	7622.7	7663.8	7214.7	6232.4	6207.7	6607.5	6883.9	6798.4	6545.0	6168.2	7446.6
60°	6150.1	6267.0	6309.7	5212.3	4684.2	4478.5	4396.2	4244.9	4287.7	5067.5	6541.7
62.5°	5274.8	5268.3	5536.4	4725.3	3068.5	2639.1	2599.6	2634.1	3127.7	4988.6	6406.8
65°	4182.4	4294.2	4376.5	4004.7	2428.5	1959.6	1957.9	2176.7	2706.5	4169.2	5172.8
67.5°	2655.5	2802.0	2904.0	2561.7	1623.9	1395.2	1357.4	1620.6	1875.6	2734.5	3114.6
70°	1497.2	1566.3	1612.4	1477.5	1033.3	723.9	681.2	743.7	1133.6	1770.3	1846.0
72.5°	577.5	608.8	671.3	676.2	389.9	233.6	189.2	227.1	477.1	700.9	668.0
75°	88.8	95.4	134.9	161.2	111.9	85.6	90.5	93.8	133.3	181.0	151.4
77.5°	42.8	42.8	41.1	47.7	55.9	60.9	65.8	72.4	79.0	87.2	83.9
80°	28.0	28.0	28.0	32.9	41.1	49.4	55.9	59.2	62.5	69.1	65.8
82.5°	18.1	18.1	18.1	24.7	32.9	41.1	44.4	52.6	59.2	69.1	64.2
85°	9.9	9.9	9.9	16.5	24.7	34.6	32.9	26.3	14.8	1.6	3.3
87.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4
2.5°	5172.8	5097.1	5090.6	4935.9	4797.7	4730.2	4676.0	4524.6	4557.5	4470.3	4468.6
5°	4922.7	4768.1	4518.0	4312.3	4106.7	4065.5	3886.2	3729.9	3734.8	3623.0	3642.7
7.5°	4473.6	4366.6	4062.3	3739.8	3466.7	3272.5	3103.0	3001.0	2871.1	2826.6	2803.6
10°	4188.9	4057.3	3715.1	3310.3	3004.3	2900.7	2737.8	2647.3	2514.0	2448.2	2402.1
12.5°	4063.9	3871.4	3443.6	3032.3	2828.3	2721.3	2583.1	2418.6	2260.6	2199.8	2115.9
15°	4077.1	3846.7	3364.6	2920.4	2675.3	2468.0	2344.6	2161.9	2000.7	1893.7	1832.9
17.5°	4276.1	3996.4	3400.8	2834.9	2482.8	2222.8	1980.9	1783.5	1655.2	1574.6	1554.8
20°	4746.7	4366.6	3461.7	2696.7	2290.3	1966.1	1668.3	1462.7	1364.0	1362.3	1364.0
22.5°	5138.3	4761.5	3585.1	2614.4	2097.8	1637.1	1340.9	1275.1	1255.4	1296.5	1301.4
25°	5666.4	5205.7	3797.4	2571.6	1920.1	1395.2	1212.6	1187.9	1186.3	1238.9	1240.6
27.5°	6207.7	5594.0	3924.0	2446.6	1739.1	1270.2	1135.3	1130.3	1156.6	1212.6	1207.7
30°	6576.3	5919.8	4152.7	2296.8	1525.2	1159.9	1104.0	1110.6	1146.8	1189.6	1196.1
32.5°	7005.7	6240.6	4212.0	2214.6	1393.6	1067.8	1028.3	1043.1	1089.2	1156.6	1192.8
35°	7497.6	6467.7	4302.5	2102.7	1344.2	997.1	977.3	993.8	1049.7	1094.1	1133.6
37.5°	7861.3	6869.1	4318.9	2015.5	1289.9	957.6	926.3	980.6	1013.5	1076.0	1095.8
40°	8131.1	7160.4	4361.7	1961.2	1247.1	906.6	906.6	942.8	987.2	1044.8	1084.3
42.5°	8303.8	7372.6	4393.0	1911.8	1164.9	891.8	883.5	919.7	979.0	1034.9	1053.0
44°	8409.1	7463.1	4361.7	1865.8	1141.8	873.7	873.7	904.9	951.0	1016.8	1038.2
45°	8435.5	7576.6	4292.6	1864.1	1113.9	852.3	849.0	908.2	939.5	1020.1	1033.3
47.5°	8537.5	7716.5	4300.8	1811.5	1046.4	801.3	858.8	885.2	913.1	983.9	1028.3
50°	8534.2	7803.7	4282.7	1734.1	997.1	743.7	839.1	868.7	896.7	969.1	987.2
52.5°	8557.2	8129.4	4448.9	1610.8	908.2	669.6	773.3	839.1	873.7	934.5	972.4
55°	8545.7	8315.4	4613.4	1518.6	783.2	625.2	717.4	794.7	844.0	908.2	926.3
57.5°	7805.3	7349.6	4269.6	1345.9	648.2	572.6	638.4	748.6	811.1	876.9	900.0
60°	6377.2	5664.8	3520.9	990.5	533.1	526.5	594.0	733.8	760.1	817.7	857.2
62.5°	5893.5	4968.8	2792.1	756.8	455.7	482.1	547.9	663.1	704.2	774.9	811.1
65°	4611.8	3300.5	1729.2	511.7	401.5	432.7	495.2	580.8	648.2	714.1	756.8
67.5°	2731.2	1803.3	855.6	358.7	350.4	383.4	447.5	511.7	589.0	661.4	682.8
70°	1487.4	886.8	365.3	273.1	297.8	327.4	389.9	434.4	508.4	564.3	600.5
72.5°	477.1	269.8	182.6	202.4	227.1	261.6	299.4	353.7	406.4	439.3	468.9
75°	115.2	113.5	130.0	141.5	164.5	190.9	222.1	250.1	291.2	322.5	348.8
77.5°	80.6	87.2	100.4	116.8	125.0	134.9	154.7	176.0	194.1	217.2	233.6
80°	62.5	67.5	77.3	85.6	93.8	102.0	111.9	120.1	131.6	146.4	154.7
82.5°	59.2	62.5	72.4	77.3	74.0	72.4	79.0	82.3	83.9	88.8	93.8
85°	4.9	0.0	3.3	11.5	28.0	41.1	44.4	44.4	42.8	46.1	46.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.6	4.9
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°	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4
2.5°	4448.9	4393.0	4414.3	4440.7	4402.8	4315.6	4338.7	4328.8	4417.6	4411.1	4499.9
5°	3729.9	3642.7	3652.6	3780.9	3739.8	3784.2	3695.3	3683.8	3700.3	3708.5	3723.3
7.5°	2854.6	2843.1	2941.8	3050.4	3101.4	3048.7	2961.5	2941.8	2923.7	2887.5	2969.8
10°	2329.7	2333.0	2326.5	2408.7	2466.3	2454.8	2402.1	2395.6	2361.0	2347.8	2393.9
12.5°	2079.7	2035.2	2013.9	1987.5	2031.9	2061.6	2038.5	2022.1	2023.7	2040.2	2046.8
15°	1837.8	1809.8	1763.8	1734.1	1755.5	1740.7	1732.5	1765.4	1757.2	1753.9	1793.4
17.5°	1566.3	1589.4	1586.1	1553.2	1581.1	1569.6	1568.0	1544.9	1513.7	1490.6	1503.8
20°	1387.0	1429.8	1462.7	1464.3	1479.1	1477.5	1452.8	1382.1	1359.0	1354.1	1357.4
22.5°	1322.8	1345.9	1385.3	1441.3	1441.3	1415.0	1385.3	1303.1	1281.7	1258.7	1248.8
25°	1271.8	1316.2	1367.2	1373.8	1400.2	1375.5	1327.8	1286.6	1242.2	1210.9	1210.9
27.5°	1245.5	1294.9	1332.7	1344.2	1380.4	1360.7	1311.3	1258.7	1206.0	1204.4	1176.4
30°	1234.0	1280.0	1304.7	1332.7	1349.1	1317.9	1303.1	1247.1	1194.5	1181.3	1135.3
32.5°	1199.4	1265.2	1311.3	1304.7	1317.9	1304.7	1283.3	1237.3	1178.0	1148.4	1143.5
35°	1159.9	1225.8	1275.1	1309.7	1317.9	1289.9	1276.8	1214.2	1133.6	1118.8	1067.8
37.5°	1138.5	1178.0	1238.9	1294.9	1306.4	1291.6	1247.1	1183.0	1102.4	1085.9	1041.5
40°	1112.2	1163.2	1210.9	1257.0	1291.6	1255.4	1204.4	1141.8	1105.6	1056.3	1043.1
42.5°	1092.5	1150.1	1189.6	1240.6	1280.0	1232.3	1173.1	1130.3	1079.3	1046.4	1008.6
44°	1085.9	1138.5	1164.9	1227.4	1260.3	1224.1	1174.7	1130.3	1071.1	1041.5	1008.6
45°	1062.9	1135.3	1163.2	1219.2	1247.1	1217.5	1155.0	1110.6	1067.8	1031.6	997.1
47.5°	1039.8	1089.2	1136.9	1181.3	1201.1	1191.2	1138.5	1084.3	1033.3	1011.9	979.0
50°	1033.3	1082.6	1127.0	1168.2	1191.2	1171.5	1123.7	1071.1	1011.9	977.3	949.3
52.5°	1000.3	1061.2	1110.6	1123.7	1153.4	1141.8	1105.6	1048.1	992.1	962.5	939.5
55°	952.6	1016.8	1084.3	1100.7	1143.5	1125.4	1071.1	1016.8	969.1	924.7	895.0
57.5°	934.5	997.1	1062.9	1084.3	1110.6	1081.0	1067.8	1010.2	934.5	911.5	865.4
60°	888.5	967.4	1021.7	1071.1	1072.7	1064.5	1041.5	975.7	913.1	870.4	837.5
62.5°	852.3	926.3	969.1	1015.2	1043.1	1020.1	997.1	936.2	868.7	821.0	783.2
65°	799.6	867.1	903.3	931.2	962.5	959.2	919.7	875.3	804.6	766.7	730.5
67.5°	719.0	778.2	827.6	853.9	873.7	868.7	839.1	807.8	735.5	697.6	671.3
70°	621.9	682.8	714.1	728.9	748.6	758.5	735.5	720.6	656.5	607.1	582.4
72.5°	500.2	539.7	585.7	598.9	607.1	613.7	613.7	600.5	534.7	515.0	472.2
75°	368.5	399.8	434.4	434.4	449.2	450.8	454.1	445.9	396.5	370.2	360.3
77.5°	250.1	273.1	301.1	312.6	322.5	320.8	319.2	296.2	269.8	258.3	248.4
80°	162.9	185.9	199.1	213.9	223.8	222.1	225.4	209.0	197.4	177.7	181.0
82.5°	97.1	115.2	128.3	146.4	146.4	151.4	151.4	146.4	134.9	125.0	125.0
85°	46.1	60.9	69.1	80.6	87.2	88.8	79.0	67.5	55.9	51.0	55.9
87.5°	8.2	11.5	16.5	14.8	18.1	16.5	16.5	16.5	16.5	13.2	14.8
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: P528860

CATALOG NUMBER: GLAN-SA4A-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4	5026.4
2.5°	4467.0	4549.3	4606.8	4702.3	4866.8	4998.4	5133.3	5233.7	5245.2	5274.8
5°	3777.6	3822.0	3968.5	4159.3	4294.2	4516.4	4659.5	4919.5	5016.5	5120.2
7.5°	2950.0	3022.4	3218.2	3346.5	3642.7	3920.8	4208.7	4529.5	4657.9	4672.7
10°	2487.7	2593.0	2726.3	2931.9	3093.2	3402.5	3761.2	4118.2	4261.3	4286.0
12.5°	2185.0	2319.9	2497.6	2645.6	2800.3	3070.1	3414.0	3854.9	4040.9	4152.7
15°	1893.7	2033.6	2229.4	2435.0	2571.6	2894.1	3298.8	3795.7	4037.6	4136.3
17.5°	1594.3	1724.3	1885.5	2107.6	2382.4	2744.4	3280.7	3993.1	4258.0	4373.2
20°	1337.6	1410.0	1597.6	1826.3	2170.2	2591.4	3287.3	4284.4	4672.7	4723.7
22.5°	1237.3	1253.7	1327.8	1538.4	1915.1	2435.0	3404.1	4697.3	5138.3	5306.1
25°	1159.9	1156.6	1176.4	1317.9	1729.2	2374.2	3519.3	5077.4	5654.9	5837.5
27.5°	1117.2	1084.3	1085.9	1219.2	1597.6	2275.5	3667.4	5513.4	6240.6	6321.3
30°	1095.8	1089.2	1069.4	1123.7	1454.4	2127.4	3692.1	5942.8	6586.1	6703.0
32.5°	1082.6	1018.4	993.8	1013.5	1319.5	1966.1	3784.2	6225.8	7013.9	6962.9
35°	1016.8	959.2	942.8	962.5	1224.1	1875.6	3723.3	6472.6	7334.8	7420.3
37.5°	992.1	941.1	908.2	891.8	1135.3	1800.0	3692.1	6852.7	7645.7	7851.4
40°	969.1	914.8	875.3	858.8	1066.2	1699.6	3682.2	7145.5	8004.4	8127.8
42.5°	942.8	908.2	863.8	834.2	982.2	1599.2	3568.7	7236.0	8114.6	8247.9
44°	934.5	881.9	835.8	825.9	949.3	1548.2	3545.6	7318.3	8210.1	8412.4
45°	926.3	876.9	824.3	811.1	937.8	1520.3	3514.4	7338.0	8368.0	8405.9
47.5°	903.3	872.0	821.0	784.8	913.1	1459.4	3420.6	7226.2	8206.8	8213.4
50°	885.2	849.0	796.3	725.6	880.2	1408.4	3463.4	7185.0	7818.5	7833.3
52.5°	865.4	811.1	781.5	659.8	825.9	1365.6	3553.9	7371.0	7862.9	7859.6
55°	842.4	783.2	710.8	603.8	735.5	1311.3	3772.7	7737.9	8274.2	8330.2
57.5°	806.2	755.2	651.5	554.5	631.8	1207.7	3701.9	7035.3	7612.8	7622.7
60°	758.5	710.8	590.7	516.6	518.3	952.6	3310.3	5482.1	6007.0	6150.1
62.5°	712.4	686.1	539.7	462.3	440.9	758.5	2798.7	4555.8	5156.4	5274.8
65°	658.1	594.0	495.2	421.2	378.4	531.4	1982.6	3404.1	4022.8	4182.4
67.5°	589.0	519.9	436.0	370.2	324.1	355.4	1023.4	1934.9	2561.7	2655.5
70°	515.0	450.8	366.9	312.6	261.6	245.2	450.8	923.0	1400.2	1497.2
72.5°	422.8	363.6	292.9	246.8	195.8	169.5	151.4	246.8	496.9	577.5
75°	306.0	264.9	220.5	176.0	138.2	108.6	88.8	74.0	82.3	88.8
77.5°	225.4	192.5	162.9	125.0	97.1	77.3	60.9	46.1	44.4	42.8
80°	176.0	156.3	130.0	100.4	75.7	57.6	42.8	31.3	28.0	28.0
82.5°	138.2	128.3	106.9	82.3	62.5	46.1	31.3	21.4	18.1	18.1
85°	52.6	52.6	77.3	67.5	47.7	32.9	21.4	11.5	9.9	9.9
87.5°	13.2	13.2	13.2	13.2	11.5	9.9	9.9	4.9	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)