

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: P529094

Luminaire Tested: **GLAN-SA4B-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529094  
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-SA4B-727-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 800mA 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: 14020 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

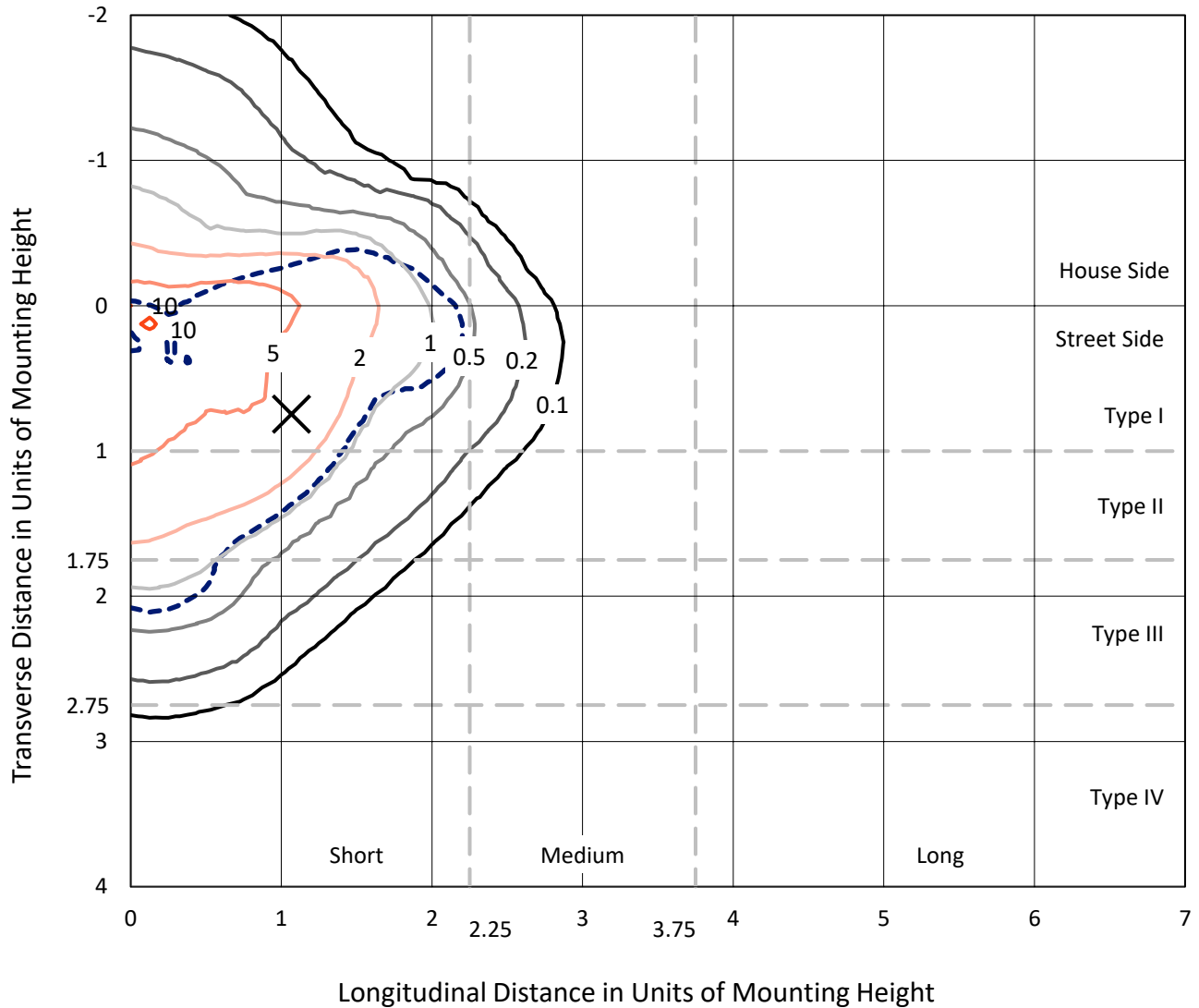
Input Watts (W): 164  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P529094  
 CATALOG NUMBER: GLAN-SA4B-727-U-SLL-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

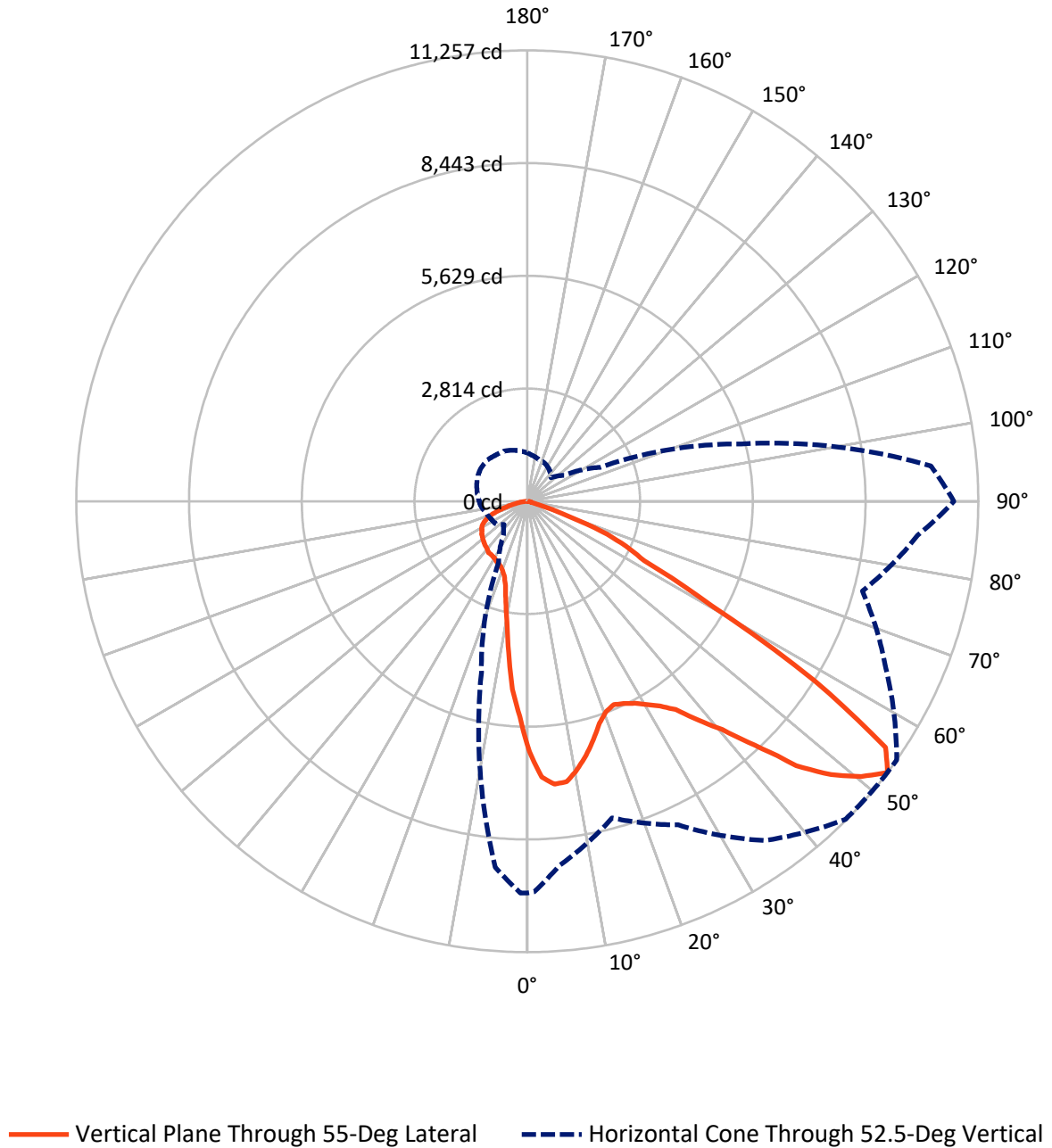
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P529094  
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### Luminous Intensity Polar Plot



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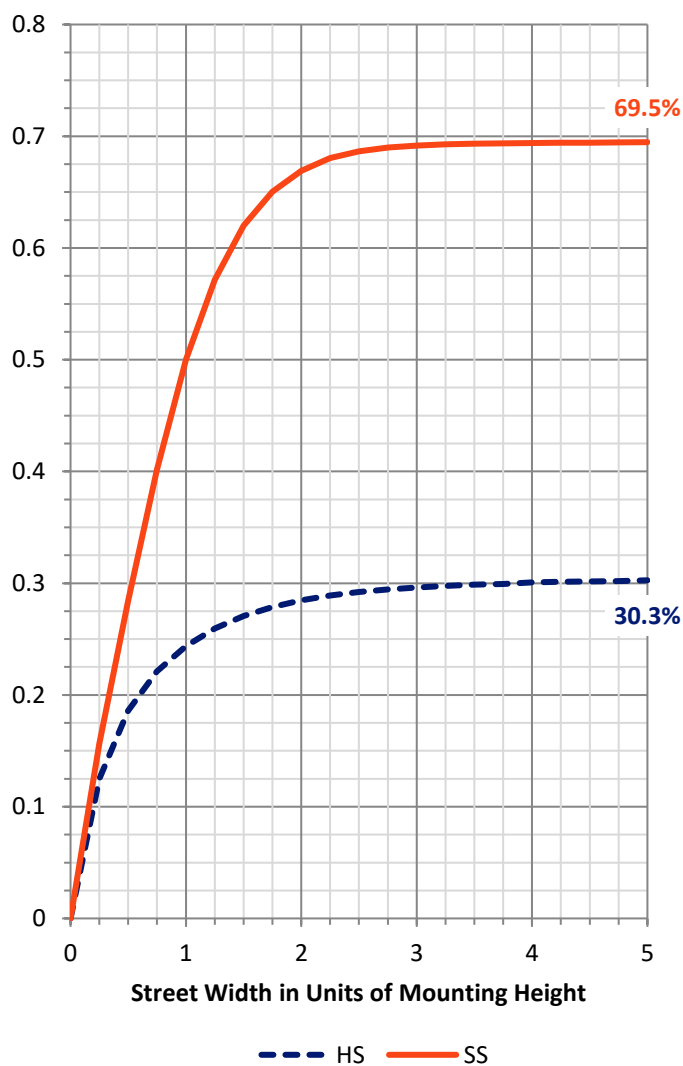
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4276.9	0.0	4276.9
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	9743.1	0.0	9743.1
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	14020.0	0.0	14020.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	477.8	3.4
10°-20°	1030.2	7.3
20°-30°	1562.1	11.1
30°-40°	2257.0	16.1
40°-50°	3016.0	21.5
50°-60°	3366.5	24.0
60°-70°	1846.7	13.2
70°-80°	399.2	2.8
80°-90°	64.6	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°	14020.0	100.0
0°-180°	14020.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P529094

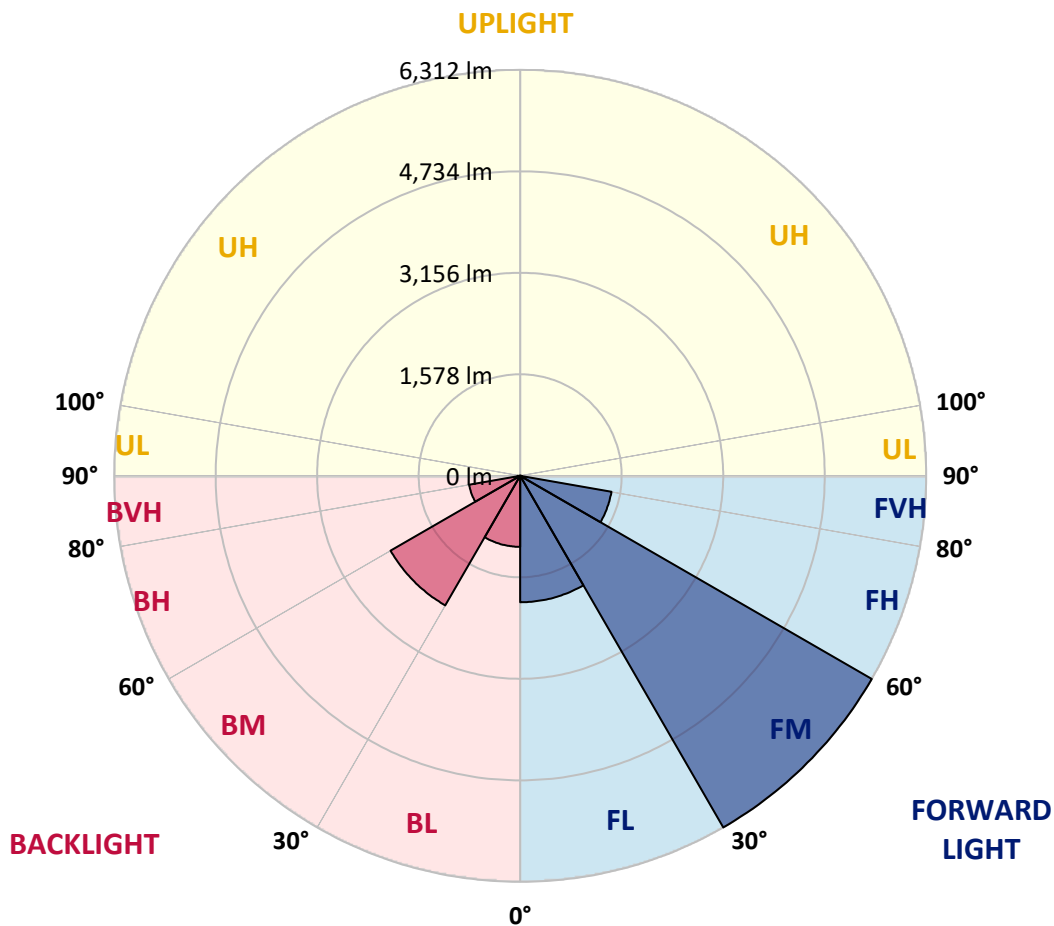
CATALOG NUMBER: GLAN-SA4B-727-U-SLL-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1965.9	14.0			
FM (30°-60°)	6312.5	45.0			
FH (60°-80°)	1440.9	10.3			G1/1800
FVH (80°-90°)	23.9	0.2			G1/100
BL (0°-30°)	1104.2	7.9	B3/2500		
BM (30°-60°)	2327.0	16.6	B2/2500		
BH (60°-80°)	805.0	5.7	B2/1000		G2/1000
BVH (80°-90°)	40.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type II Short





REPORT NUMBER: P529094

CATALOG NUMBER: GLAN-SA4B-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0
2.5°	6563.1	6526.3	6559.0	6714.6	6804.7	6866.1	6905.0	6898.9	6751.5	6608.2	6608.2
5°	6370.7	6323.6	6391.2	6743.3	7097.4	7128.1	7179.3	7095.4	6878.4	6616.3	6288.8
7.5°	5813.9	5848.7	5961.3	6423.9	6884.5	7115.8	7177.3	7070.8	6718.7	6229.4	5748.4
10°	5332.8	5414.7	5674.7	6174.2	6597.9	6898.9	6966.4	6817.0	6538.6	5938.7	5508.8
12.5°	5167.0	5115.8	5404.4	5903.9	6309.3	6471.0	6501.7	6511.9	6323.6	5791.4	5267.3
15°	5146.5	5179.3	5404.4	5783.2	6032.9	6041.1	6092.3	6172.1	6196.7	5891.7	5379.9
17.5°	5441.3	5402.4	5633.7	5934.7	5815.9	5697.2	5709.5	5824.1	6026.8	5977.6	5734.0
20°	5877.3	5965.4	6147.6	6116.8	5797.5	5496.6	5498.6	5607.1	6006.3	6333.8	6227.4
22.5°	6602.0	6688.0	6823.1	6452.6	5797.5	5437.2	5367.6	5515.0	6137.3	6757.6	6784.2
25°	7263.2	7420.9	7457.7	7021.7	6088.2	5492.5	5447.4	5592.8	6268.3	7171.1	7422.9
27.5°	7865.1	7922.4	8084.1	7388.1	6249.9	5529.3	5525.2	5711.5	6434.2	7377.9	7994.1
30°	8340.0	8333.9	8426.0	7619.4	6507.8	5736.1	5537.5	5889.6	6651.1	7719.8	8522.2
32.5°	8663.5	8733.1	8927.6	7940.8	6616.3	5932.6	5777.0	6098.4	6915.2	7881.5	8894.8
35°	9232.6	9353.4	9107.7	8118.9	6960.3	6127.1	5944.9	6383.0	7046.2	8057.5	9351.3
37.5°	9768.9	9676.8	9427.1	8215.2	7183.4	6487.4	6317.5	6933.7	7453.6	8440.3	9654.3
40°	10112.9	10110.8	9666.6	8293.0	7341.0	7038.1	7027.8	7492.5	7953.1	8681.9	9994.1
42.5°	10262.3	10405.6	9764.8	8284.8	7672.7	7705.4	7912.2	8327.8	8307.3	8731.0	9985.9
44°	10467.0	10553.0	9934.8	8303.2	7893.8	8155.8	8643.0	8907.1	8616.4	8704.4	9975.7
45°	10458.8	10465.0	9693.2	8327.8	8082.1	8532.5	8968.5	9414.8	8888.7	8647.1	10110.8
47.5°	10219.3	10149.7	9488.5	8145.6	8669.6	9527.4	9930.7	10200.9	9224.4	8524.3	9942.9
50°	9746.4	9666.6	8991.0	8067.8	8792.5	10145.6	10702.4	10800.7	9529.4	8403.5	9777.1
52.5°	9779.2	9756.7	9132.3	8184.5	8915.3	10340.1	11232.6	11257.2	9875.4	8657.3	9779.2
55°	10364.7	10286.9	9537.6	8329.8	8825.2	10112.9	10894.9	10851.9	9758.7	8503.8	9959.3
57.5°	9484.4	9535.6	8976.7	7754.6	7723.8	8221.3	8565.2	8458.8	8143.5	7674.7	9265.3
60°	7652.2	7797.5	7850.8	6485.3	5828.2	5572.3	5470.0	5281.6	5334.8	6305.2	8139.4
62.5°	6563.1	6554.9	6888.6	5879.4	3817.9	3283.6	3234.5	3277.5	3891.6	6206.9	7971.6
65°	5203.8	5343.0	5445.4	4982.7	3021.6	2438.1	2436.1	2708.4	3367.5	5187.4	6436.2
67.5°	3304.1	3486.3	3613.2	3187.4	2020.5	1736.0	1688.9	2016.4	2333.7	3402.3	3875.2
70°	1862.9	1948.9	2006.2	1838.3	1285.6	900.7	847.5	925.3	1410.5	2202.7	2296.9
72.5°	718.5	757.4	835.2	841.4	485.2	290.7	235.4	282.5	593.7	872.1	831.1
75°	110.5	118.7	167.9	200.6	139.2	106.5	112.6	116.7	165.8	225.2	188.3
77.5°	53.2	53.2	51.2	59.4	69.6	75.7	81.9	90.1	98.3	108.5	104.4
80°	34.8	34.8	34.8	40.9	51.2	61.4	69.6	73.7	77.8	86.0	81.9
82.5°	22.5	22.5	22.5	30.7	40.9	51.2	55.3	65.5	73.7	86.0	79.8
85°	12.3	12.3	12.3	20.5	30.7	43.0	40.9	32.8	18.4	2.0	4.1
87.5°	4.1	4.1	4.1	4.1	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



REPORT NUMBER: P529094

CATALOG NUMBER: GLAN-SA4B-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0
2.5°	6436.2	6342.0	6333.8	6141.4	5969.5	5885.5	5818.0	5629.6	5670.6	5562.1	5560.0
5°	6125.0	5932.6	5621.4	5365.5	5109.7	5058.5	4835.3	4640.9	4647.0	4507.8	4532.4
7.5°	5566.2	5433.1	5054.4	4653.1	4313.3	4071.8	3860.9	3734.0	3572.3	3517.0	3488.3
10°	5212.0	5048.2	4622.4	4118.8	3738.1	3609.1	3406.4	3293.8	3128.0	3046.1	2988.8
12.5°	5056.4	4816.9	4284.7	3772.9	3519.0	3386.0	3214.0	3009.3	2812.8	2737.0	2632.6
15°	5072.8	4786.2	4186.4	3633.7	3328.6	3070.7	2917.2	2689.9	2489.3	2356.3	2280.5
17.5°	5320.5	4972.5	4231.4	3527.2	3089.1	2765.7	2464.8	2219.1	2059.4	1959.1	1934.5
20°	5906.0	5433.1	4307.2	3355.3	2849.6	2446.3	2075.8	1819.9	1697.1	1695.0	1697.1
22.5°	6393.2	5924.4	4460.7	3252.9	2610.1	2036.9	1668.4	1586.5	1562.0	1613.1	1619.3
25°	7050.3	6477.1	4724.8	3199.7	2389.0	1736.0	1508.7	1478.0	1476.0	1541.5	1543.5
27.5°	7723.8	6960.3	4882.4	3044.1	2163.8	1580.4	1412.5	1406.4	1439.1	1508.7	1502.6
30°	8182.4	7365.6	5167.0	2857.8	1897.7	1443.2	1373.6	1381.8	1426.9	1480.1	1488.3
32.5°	8716.7	7764.8	5240.7	2755.4	1733.9	1328.6	1279.5	1297.9	1355.2	1439.1	1484.2
35°	9328.8	8047.3	5353.3	2616.2	1672.5	1240.6	1216.0	1236.5	1306.1	1361.3	1410.5
37.5°	9781.2	8546.8	5373.7	2507.7	1605.0	1191.4	1152.5	1220.1	1261.0	1338.8	1363.4
40°	10117.0	8909.1	5427.0	2440.2	1551.7	1128.0	1128.0	1173.0	1228.3	1299.9	1349.1
42.5°	10331.9	9173.2	5465.9	2378.8	1449.4	1109.5	1099.3	1144.3	1218.0	1287.6	1310.2
44°	10462.9	9285.8	5427.0	2321.5	1420.7	1087.0	1087.0	1125.9	1183.2	1265.1	1291.7
45°	10495.7	9427.1	5341.0	2319.4	1385.9	1060.4	1056.3	1130.0	1168.9	1269.2	1285.6
47.5°	10622.6	9601.1	5351.2	2253.9	1302.0	997.0	1068.6	1101.4	1136.2	1224.2	1279.5
50°	10618.5	9709.6	5328.7	2157.7	1240.6	925.3	1044.0	1080.9	1115.7	1205.8	1228.3
52.5°	10647.2	10114.9	5535.5	2004.1	1130.0	833.2	962.2	1044.0	1087.0	1162.8	1209.9
55°	10632.8	10346.2	5740.2	1889.5	974.4	777.9	892.6	988.8	1050.2	1130.0	1152.5
57.5°	9711.6	9144.6	5312.3	1674.6	806.6	712.4	794.3	931.4	1009.2	1091.1	1119.8
60°	7934.7	7048.3	4380.9	1232.4	663.3	655.1	739.0	913.0	945.8	1017.4	1066.6
62.5°	7332.8	6182.4	3474.0	941.7	567.1	599.8	681.7	825.0	876.2	964.2	1009.2
65°	5738.1	4106.6	2151.5	636.7	499.5	538.4	616.2	722.6	806.6	888.5	941.7
67.5°	3398.2	2243.7	1064.5	446.3	436.0	477.0	556.8	636.7	732.9	822.9	849.6
70°	1850.6	1103.4	454.5	339.8	370.5	407.4	485.2	540.4	632.6	702.2	747.2
72.5°	593.7	335.7	227.2	251.8	282.5	325.5	372.6	440.1	505.6	546.6	583.4
75°	143.3	141.3	161.7	176.1	204.7	237.5	276.4	311.2	362.3	401.2	434.0
77.5°	100.3	108.5	124.9	145.3	155.6	167.9	192.4	219.0	241.6	270.2	290.7
80°	77.8	83.9	96.2	106.5	116.7	126.9	139.2	149.4	163.8	182.2	192.4
82.5°	73.7	77.8	90.1	96.2	92.1	90.1	98.3	102.4	104.4	110.5	116.7
85°	6.1	0.0	4.1	14.3	34.8	51.2	55.3	55.3	53.2	57.3	57.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.2	6.1
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°	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0
2.5°	5535.5	5465.9	5492.5	5525.2	5478.1	5369.6	5398.3	5386.0	5496.6	5488.4	5598.9
5°	4640.9	4532.4	4544.6	4704.3	4653.1	4708.4	4597.9	4583.5	4604.0	4614.2	4632.7
7.5°	3551.8	3537.5	3660.3	3795.4	3858.9	3793.3	3684.8	3660.3	3637.8	3592.7	3695.1
10°	2898.7	2902.8	2894.7	2997.0	3068.7	3054.3	2988.8	2980.6	2937.6	2921.3	2978.6
12.5°	2587.6	2532.3	2505.7	2472.9	2528.2	2565.1	2536.4	2515.9	2518.0	2538.5	2546.6
15°	2286.7	2251.9	2194.5	2157.7	2184.3	2165.9	2155.6	2196.6	2186.3	2182.2	2231.4
17.5°	1948.9	1977.5	1973.4	1932.5	1967.3	1953.0	1950.9	1922.3	1883.4	1854.7	1871.1
20°	1725.7	1779.0	1819.9	1822.0	1840.4	1838.3	1807.6	1719.6	1690.9	1684.8	1688.9
22.5°	1645.9	1674.6	1723.7	1793.3	1793.3	1760.5	1723.7	1621.3	1594.7	1566.1	1553.8
25°	1582.4	1637.7	1701.2	1709.4	1742.1	1711.4	1652.0	1600.9	1545.6	1506.7	1506.7
27.5°	1549.7	1611.1	1658.2	1672.5	1717.5	1693.0	1631.6	1566.1	1500.6	1498.5	1463.7
30°	1535.4	1592.7	1623.4	1658.2	1678.7	1639.8	1621.3	1551.7	1486.2	1469.8	1412.5
32.5°	1492.4	1574.2	1631.6	1623.4	1639.8	1623.4	1596.8	1539.4	1465.8	1428.9	1422.8
35°	1443.2	1525.1	1586.5	1629.5	1639.8	1605.0	1588.6	1510.8	1410.5	1392.1	1328.6
37.5°	1416.6	1465.8	1541.5	1611.1	1625.4	1607.0	1551.7	1471.9	1371.6	1351.1	1295.8
40°	1383.9	1447.3	1506.7	1564.0	1607.0	1562.0	1498.5	1420.7	1375.7	1314.3	1297.9
42.5°	1359.3	1430.9	1480.1	1543.5	1592.7	1533.3	1459.6	1406.4	1342.9	1302.0	1254.9
44°	1351.1	1416.6	1449.4	1527.2	1568.1	1523.1	1461.7	1406.4	1332.7	1295.8	1254.9
45°	1322.5	1412.5	1447.3	1516.9	1551.7	1514.9	1437.1	1381.8	1328.6	1283.6	1240.6
47.5°	1293.8	1355.2	1414.6	1469.8	1494.4	1482.1	1416.6	1349.1	1285.6	1259.0	1218.0
50°	1285.6	1347.0	1402.3	1453.5	1482.1	1457.6	1398.2	1332.7	1259.0	1216.0	1181.2
52.5°	1244.7	1320.4	1381.8	1398.2	1435.0	1420.7	1375.7	1304.0	1234.4	1197.6	1168.9
55°	1185.3	1265.1	1349.1	1369.5	1422.8	1400.2	1332.7	1265.1	1205.8	1150.5	1113.6
57.5°	1162.8	1240.6	1322.5	1349.1	1381.8	1345.0	1328.6	1256.9	1162.8	1134.1	1076.8
60°	1105.5	1203.7	1271.3	1332.7	1334.7	1324.5	1295.8	1214.0	1136.2	1082.9	1042.0
62.5°	1060.4	1152.5	1205.8	1263.1	1297.9	1269.2	1240.6	1164.8	1080.9	1021.5	974.4
65°	994.9	1078.8	1123.9	1158.7	1197.6	1193.5	1144.3	1089.1	1001.1	954.0	908.9
67.5°	894.6	968.3	1029.7	1062.5	1087.0	1080.9	1044.0	1005.1	915.1	868.0	835.2
70°	773.8	849.6	888.5	906.9	931.4	943.7	915.1	896.6	816.8	755.4	724.7
72.5°	622.3	671.5	728.8	745.2	755.4	763.6	763.6	747.2	665.3	640.8	587.5
75°	458.6	497.5	540.4	540.4	558.9	560.9	565.0	554.8	493.4	460.6	448.3
77.5°	311.2	339.8	374.6	389.0	401.2	399.2	397.1	368.5	335.7	321.4	309.1
80°	202.7	231.3	247.7	266.1	278.4	276.4	280.5	260.0	245.7	221.1	225.2
82.5°	120.8	143.3	159.7	182.2	182.2	188.3	188.3	182.2	167.9	155.6	155.6
85°	57.3	75.7	86.0	100.3	108.5	110.5	98.3	83.9	69.6	63.5	69.6
87.5°	10.2	14.3	20.5	18.4	22.5	20.5	20.5	20.5	20.5	16.4	18.4
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: P529094

CATALOG NUMBER: GLAN-SA4B-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0	6254.0
2.5°	5558.0	5660.3	5732.0	5850.7	6055.4	6219.2	6387.1	6511.9	6526.3	6563.1
5°	4700.2	4755.5	4937.7	5175.2	5343.0	5619.4	5797.5	6120.9	6241.7	6370.7
7.5°	3670.5	3760.6	4004.2	4163.9	4532.4	4878.3	5236.6	5635.8	5795.4	5813.9
10°	3095.3	3226.3	3392.1	3648.0	3848.6	4233.5	4679.8	5124.0	5302.1	5332.8
12.5°	2718.6	2886.5	3107.6	3291.8	3484.2	3820.0	4247.8	4796.4	5027.8	5167.0
15°	2356.3	2530.3	2773.9	3029.8	3199.7	3600.9	4104.5	4722.7	5023.7	5146.5
17.5°	1983.7	2145.4	2346.0	2622.4	2964.3	3414.6	4082.0	4968.4	5298.0	5441.3
20°	1664.3	1754.4	1987.8	2272.3	2700.2	3224.2	4090.2	5330.7	5813.9	5877.3
22.5°	1539.4	1559.9	1652.0	1914.1	2382.9	3029.8	4235.5	5844.6	6393.2	6602.0
25°	1443.2	1439.1	1463.7	1639.8	2151.5	2954.0	4378.8	6317.5	7036.0	7263.2
27.5°	1390.0	1349.1	1351.1	1516.9	1987.8	2831.2	4563.1	6860.0	7764.8	7865.1
30°	1363.4	1355.2	1330.6	1398.2	1809.7	2646.9	4593.8	7394.3	8194.7	8340.0
32.5°	1347.0	1267.2	1236.5	1261.0	1641.8	2446.3	4708.4	7746.4	8726.9	8663.5
35°	1265.1	1193.5	1173.0	1197.6	1523.1	2333.7	4632.7	8053.4	9126.1	9232.6
37.5°	1234.4	1171.0	1130.0	1109.5	1412.5	2239.6	4593.8	8526.3	9513.0	9768.9
40°	1205.8	1138.2	1089.1	1068.6	1326.5	2114.7	4581.5	8890.7	9959.3	10112.9
42.5°	1173.0	1130.0	1074.7	1037.9	1222.1	1989.8	4440.2	9003.3	10096.5	10262.3
44°	1162.8	1097.3	1039.9	1027.7	1181.2	1926.4	4411.6	9105.7	10215.2	10467.0
45°	1152.5	1091.1	1025.6	1009.2	1166.9	1891.6	4372.7	9130.2	10411.7	10458.8
47.5°	1123.9	1085.0	1021.5	976.5	1136.2	1815.8	4256.0	8991.0	10211.1	10219.3
50°	1101.4	1056.3	990.8	902.8	1095.2	1752.3	4309.2	8939.8	9728.0	9746.4
52.5°	1076.8	1009.2	972.4	820.9	1027.7	1699.1	4421.8	9171.2	9783.3	9779.2
55°	1048.1	974.4	884.4	751.3	915.1	1631.6	4694.1	9627.7	10295.1	10364.7
57.5°	1003.1	939.6	810.7	689.9	786.1	1502.6	4606.1	8753.6	9472.1	9484.4
60°	943.7	884.4	734.9	642.8	644.8	1185.3	4118.8	6821.1	7474.1	7652.2
62.5°	886.4	853.7	671.5	575.2	548.6	943.7	3482.2	5668.5	6415.7	6563.1
65°	818.9	739.0	616.2	524.1	470.8	661.2	2466.8	4235.5	5005.3	5203.8
67.5°	732.9	646.9	542.5	460.6	403.3	442.2	1273.3	2407.4	3187.4	3304.1
70°	640.8	560.9	456.5	389.0	325.5	305.0	560.9	1148.4	1742.1	1862.9
72.5°	526.1	452.4	364.4	307.1	243.6	210.9	188.3	307.1	618.2	718.5
75°	380.8	329.6	274.3	219.0	172.0	135.1	110.5	92.1	102.4	110.5
77.5°	280.5	239.5	202.7	155.6	120.8	96.2	75.7	57.3	55.3	53.2
80°	219.0	194.5	161.7	124.9	94.2	71.6	53.2	38.9	34.8	34.8
82.5°	172.0	159.7	133.1	102.4	77.8	57.3	38.9	26.6	22.5	22.5
85°	65.5	65.5	96.2	83.9	59.4	40.9	26.6	14.3	12.3	12.3
87.5°	16.4	16.4	16.4	16.4	14.3	12.3	12.3	6.1	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)