

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: P530265

Luminaire Tested: **GLAN-SA5C-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5C-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16278 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

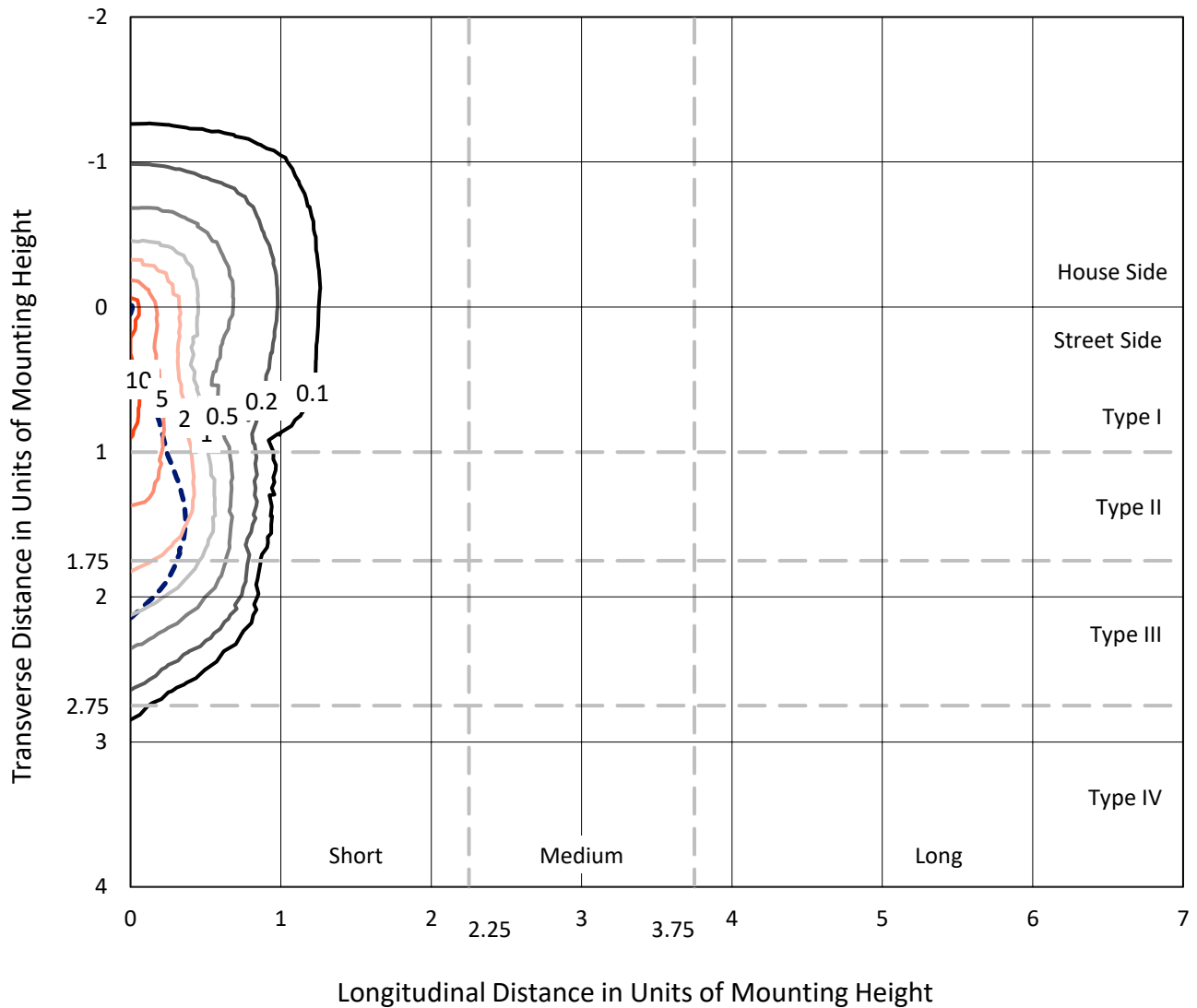
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530265
 CATALOG NUMBER: GLAN-SA5C-727-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

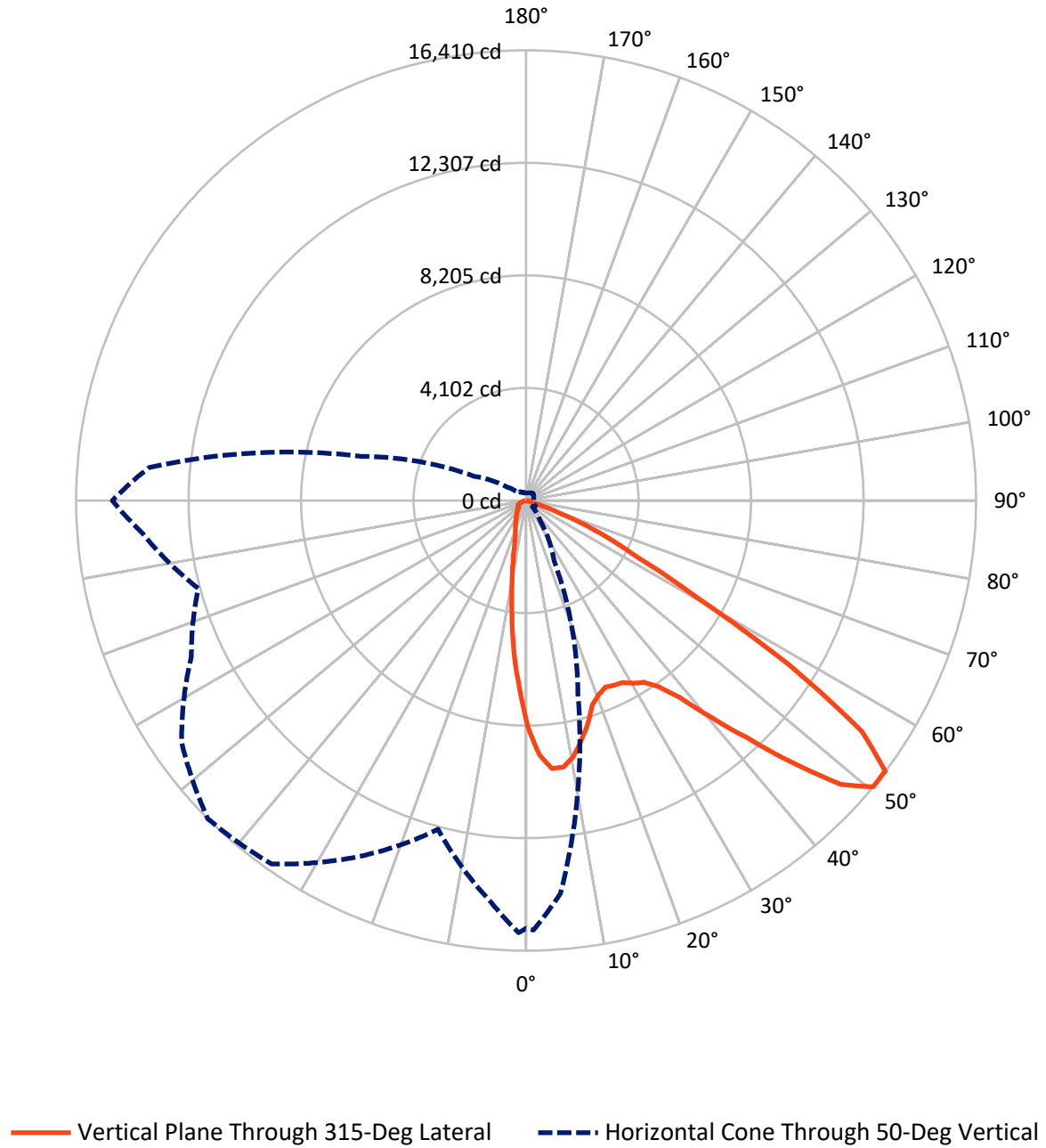
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Short - N/A

REPORT NUMBER: P530265
CATALOG NUMBER: GLAN-SA5C-727-U-SLR-GRSBK

Luminous Intensity Polar Plot



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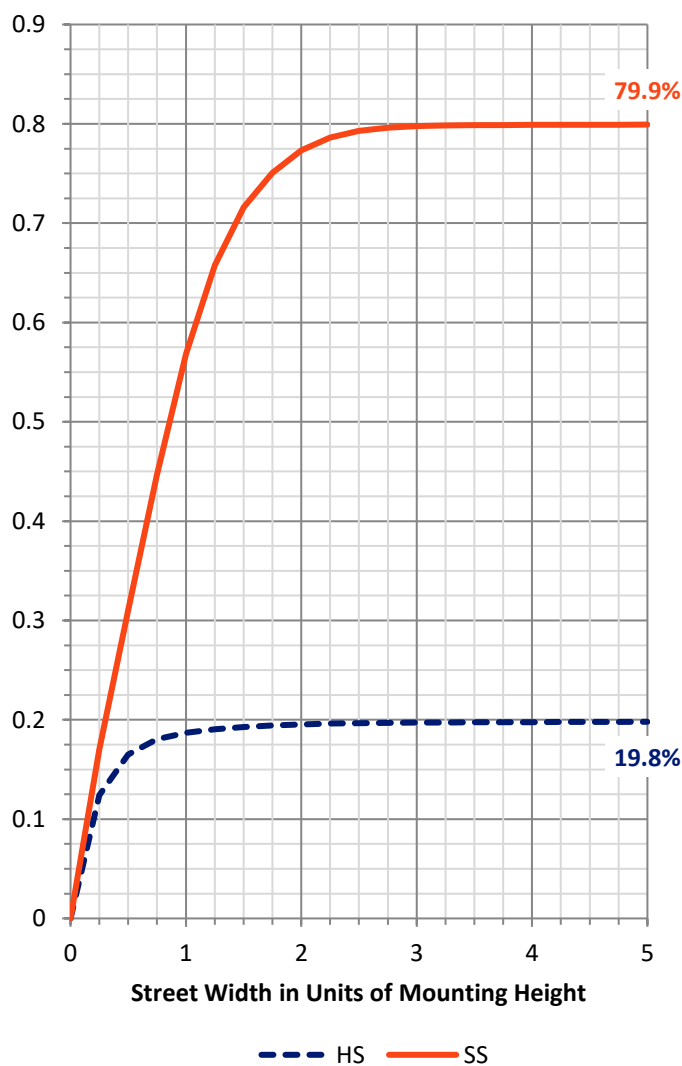
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3260.5	0.0	3260.5
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	13017.5	0.0	13017.5
	% Fixture	80.0	0.0	80.0
Total	Lumens	16278.0	0.0	16278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.7	3.7
10°-20°	1195.9	7.3
20°-30°	1796.5	11.0
30°-40°	2696.6	16.6
40°-50°	3789.8	23.3
50°-60°	4088.0	25.1
60°-70°	1898.0	11.7
70°-80°	178.6	1.1
80°-90°	32.9	0.2
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°	16278.0	100.0
0°-180°	16278.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530265

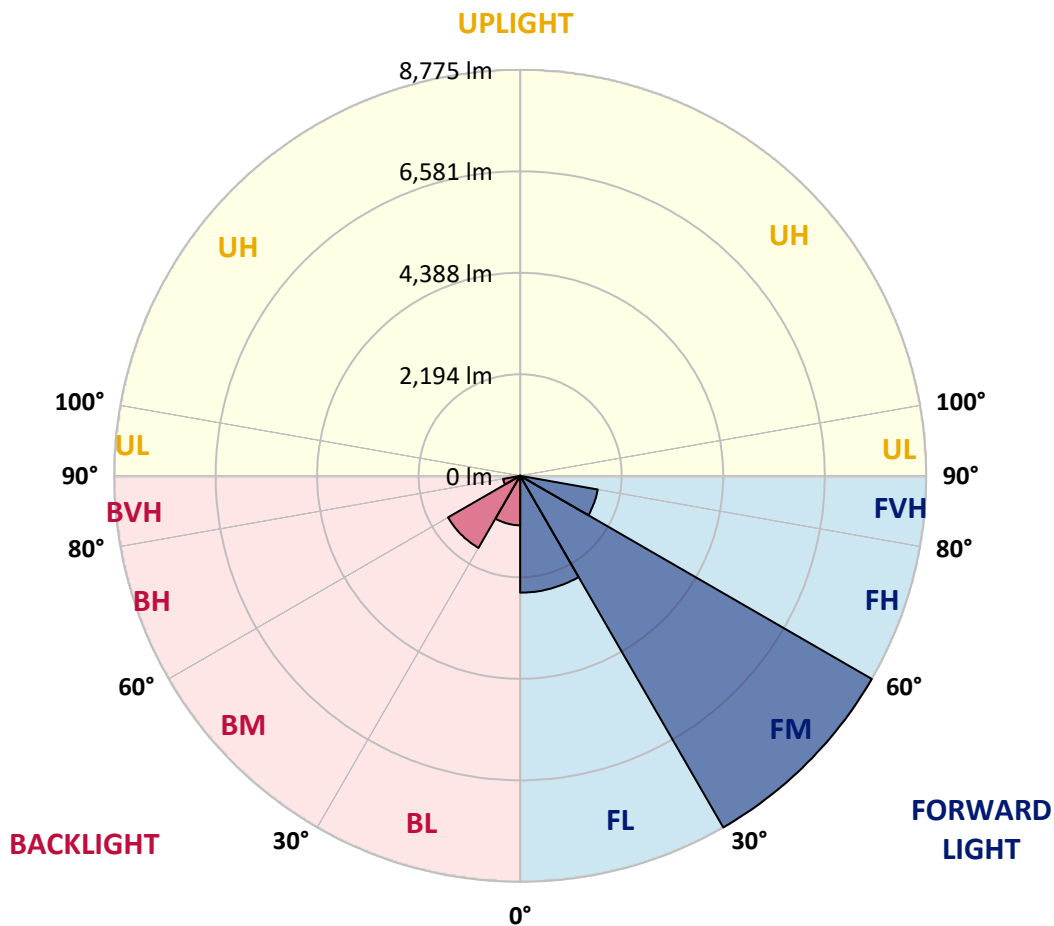
CATALOG NUMBER: GLAN-SA5C-727-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2525.4	15.5			
FM (30°-60°)	8775.1	53.9			
FH (60°-80°)	1702.2	10.5			G1/1800
FVH (80°-90°)	14.8	0.1			G1/100
BL (0°-30°)	1068.7	6.6	B3/2500		
BM (30°-60°)	1799.3	11.1	B2/2500		
BH (60°-80°)	374.4	2.3	B1/500		G1/500
BVH (80°-90°)	18.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type III Short





REPORT NUMBER: P530265

CATALOG NUMBER: GLAN-SA5C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0
2.5°	8581.2	8448.8	8280.8	8142.0	7935.3	7518.6	7405.6	7270.0	7156.9	7005.1	6792.0
5°	7802.8	7760.9	7683.3	7160.1	6782.3	6278.4	5865.1	5690.7	5461.3	5274.0	5138.4
7.5°	7208.6	7040.6	6795.2	6268.8	5664.8	5125.5	4666.9	4398.8	4095.2	3991.9	3807.8
10°	6572.3	6611.1	6249.4	5509.8	4779.9	4343.9	4059.7	3801.3	3526.8	3345.9	3084.3
12.5°	6368.9	6242.9	5965.2	5051.2	4427.9	4020.9	3675.3	3355.6	3064.9	2774.3	2522.4
15°	6501.3	6307.5	5920.0	4954.3	4156.6	3649.5	3216.7	2784.0	2515.9	2144.5	1882.9
17.5°	6976.1	6821.0	6301.1	5057.6	4017.7	3294.2	2651.5	2205.9	1795.7	1459.8	1327.4
20°	7767.3	7547.7	6895.3	5190.1	3811.0	2864.7	2151.0	1601.9	1214.4	1072.2	998.0
22.5°	8542.4	8422.9	7599.4	5445.2	3626.9	2483.6	1614.8	1078.7	907.5	881.7	833.3
25°	10018.4	9659.9	8674.9	5907.0	3484.8	2125.1	1217.6	868.8	768.7	749.3	755.7
27.5°	10896.9	10596.5	9669.6	6213.9	3326.5	1850.6	1030.3	797.7	729.9	687.9	671.8
30°	11739.8	11391.0	10163.7	6394.7	2987.4	1559.9	914.0	765.4	749.3	687.9	668.5
32.5°	12389.0	12046.6	10877.5	6666.0	2848.6	1372.6	752.5	597.5	555.5	549.0	607.2
35°	13383.7	13018.7	11487.9	6814.6	2742.0	1275.7	652.4	532.9	484.4	465.1	468.3
37.5°	14310.6	14061.9	12053.1	6872.7	2628.9	1246.6	584.6	478.0	436.0	423.1	419.9
40°	15085.7	14530.2	12589.2	6934.1	2580.5	1191.7	542.6	436.0	406.9	387.6	387.6
42.5°	15441.0	14875.8	13189.9	6898.5	2567.6	1104.5	542.6	400.5	377.9	358.5	355.3
45°	15363.5	15134.2	13458.0	6882.4	2567.6	1017.3	494.1	390.8	358.5	332.7	326.2
47.5°	15563.7	15263.3	13793.9	6950.2	2515.9	956.0	416.6	410.2	339.1	306.8	300.4
50°	15599.2	15657.4	14378.4	7302.2	2402.9	878.5	326.2	403.7	326.2	277.8	271.3
52°	15831.8	15470.0	14556.1	7489.6	2283.4	820.3	274.5	345.6	313.3	258.4	251.9
52.5°	15512.0	15747.8	14598.0	7557.4	2296.3	781.6	264.8	339.1	306.8	258.4	242.2
55°	15153.5	15379.6	14426.9	7702.7	2105.7	613.6	206.7	245.5	277.8	226.1	216.4
57.5°	13170.5	13399.8	12537.5	7053.6	1714.9	432.8	171.2	184.1	245.5	209.9	200.2
60°	11707.5	11542.8	10522.2	5884.4	1217.6	242.2	135.6	142.1	268.1	193.8	190.5
62.5°	10699.8	10347.8	8794.4	4544.1	742.8	161.5	106.6	109.8	206.7	180.9	180.9
65°	7915.9	7521.9	5842.4	2748.4	365.0	113.0	80.7	87.2	129.2	155.0	155.0
67.5°	4518.3	4366.5	2822.7	1240.2	151.8	71.1	61.4	67.8	100.1	126.0	119.5
70°	2076.7	1863.5	1085.2	261.6	71.1	48.4	48.4	54.9	80.7	93.7	87.2
72.5°	607.2	574.9	264.8	42.0	29.1	29.1	32.3	42.0	61.4	71.1	64.6
75°	45.2	29.1	19.4	12.9	12.9	19.4	25.8	42.0	61.4	67.8	54.9
77.5°	3.2	6.5	3.2	3.2	9.7	19.4	29.1	51.7	80.7	84.0	61.4
80°	3.2	3.2	0.0	3.2	9.7	19.4	32.3	58.1	90.4	96.9	51.7
82.5°	0.0	0.0	0.0	3.2	12.9	25.8	38.8	61.4	84.0	103.3	54.9
85°	0.0	0.0	0.0	3.2	19.4	35.5	45.2	16.1	9.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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: P530265

CATALOG NUMBER: GLAN-SA5C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0
2.5°	6943.8	6859.8	6827.5	6856.6	6846.9	6837.2	7014.8	6976.1	6969.6	7027.7	7014.8
5°	5212.7	5064.1	5471.0	5306.3	5477.5	5580.8	5600.2	5609.9	5729.4	5603.5	5768.2
7.5°	3714.1	3752.9	3749.6	3859.4	4056.4	4230.8	4334.2	4253.5	4247.0	4230.8	4159.8
10°	2968.1	2900.2	2887.3	2861.5	2922.8	3071.4	3197.4	3097.2	3026.2	3123.1	3094.0
12.5°	2425.5	2331.8	2280.1	2176.8	2180.0	2280.1	2280.1	2280.1	2351.2	2406.1	2448.1
15°	1860.3	1782.8	1782.8	1679.4	1656.8	1660.0	1711.7	1718.2	1831.2	1863.5	1879.7
17.5°	1301.6	1259.6	1308.0	1350.0	1324.2	1330.6	1350.0	1356.5	1372.6	1359.7	1392.0
20°	1001.2	994.7	1007.7	1081.9	1136.8	1169.1	1146.5	1114.2	1094.9	1049.6	1049.6
22.5°	849.4	862.3	884.9	946.3	1017.3	1036.7	1010.9	936.6	878.5	872.0	875.2
25°	755.7	768.7	804.2	842.9	881.7	914.0	888.2	833.3	801.0	771.9	771.9
27.5°	697.6	704.1	723.4	752.5	784.8	810.6	801.0	771.9	736.4	723.4	694.4
30°	652.4	662.1	684.7	691.1	720.2	733.1	717.0	710.5	687.9	671.8	662.1
32.5°	629.8	626.6	642.7	649.2	652.4	662.1	642.7	652.4	649.2	623.3	613.6
35°	474.8	500.6	542.6	578.1	587.8	600.7	597.5	584.6	549.0	520.0	484.4
37.5°	426.3	442.5	465.1	494.1	532.9	549.0	542.6	510.3	468.3	448.9	442.5
40°	394.0	403.7	423.1	442.5	481.2	510.3	487.7	458.6	426.3	410.2	400.5
42.5°	365.0	368.2	377.9	397.2	426.3	471.5	432.8	394.0	381.1	371.4	365.0
45°	332.7	332.7	345.6	355.3	387.6	429.5	390.8	355.3	348.8	342.3	339.1
47.5°	306.8	310.0	316.5	329.4	355.3	384.3	358.5	329.4	313.3	310.0	303.6
50°	274.5	277.8	290.7	303.6	335.9	352.0	335.9	303.6	287.4	277.8	277.8
52°	248.7	258.4	271.3	297.1	319.7	345.6	326.2	290.7	271.3	261.6	255.1
52.5°	245.5	251.9	264.8	293.9	319.7	342.3	323.0	287.4	264.8	258.4	251.9
55°	219.6	229.3	251.9	287.4	316.5	342.3	316.5	284.2	251.9	235.8	229.3
57.5°	209.9	216.4	245.5	290.7	313.3	342.3	316.5	284.2	251.9	222.8	216.4
60°	200.2	213.2	245.5	281.0	310.0	345.6	319.7	281.0	245.5	209.9	209.9
62.5°	190.5	200.2	242.2	274.5	297.1	332.7	306.8	274.5	235.8	200.2	197.0
65°	164.7	180.9	213.2	229.3	255.1	287.4	261.6	239.0	206.7	177.6	174.4
67.5°	126.0	132.4	158.3	177.6	193.8	222.8	209.9	180.9	158.3	135.6	135.6
70°	87.2	93.7	113.0	122.7	138.9	155.0	145.3	122.7	106.6	93.7	90.4
72.5°	61.4	64.6	71.1	77.5	84.0	90.4	87.2	71.1	61.4	58.1	54.9
75°	48.4	54.9	58.1	54.9	51.7	48.4	48.4	42.0	35.5	32.3	32.3
77.5°	48.4	51.7	48.4	42.0	35.5	32.3	29.1	25.8	19.4	16.1	19.4
80°	42.0	42.0	42.0	35.5	32.3	29.1	25.8	22.6	19.4	16.1	16.1
82.5°	45.2	45.2	42.0	35.5	35.5	29.1	29.1	25.8	22.6	16.1	16.1
85°	0.0	0.0	0.0	6.5	16.1	29.1	29.1	25.8	22.6	19.4	19.4
87.5°	0.0	0.0	0.0	0.0	3.2	6.5	12.9	16.1	19.4	19.4	19.4
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: P530265

CATALOG NUMBER: GLAN-SA5C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0
2.5°	7131.1	7253.8	7486.3	7718.9	7861.0	8028.9	8332.5	8494.0	8703.9	8807.3	9010.7
5°	5745.6	6036.2	6139.6	6404.4	6688.6	6972.8	7425.0	7922.3	8335.7	8619.9	8988.1
7.5°	4192.1	4259.9	4660.4	4838.0	5303.1	5819.8	6436.7	7063.3	7586.5	8051.5	8332.5
10°	3142.5	3391.1	3643.1	3982.2	4356.8	4889.7	5480.7	6171.9	6850.1	7315.2	7670.4
12.5°	2525.6	2722.6	3058.5	3423.4	3885.3	4237.3	4831.6	5516.3	6394.7	6850.1	7318.4
15°	1912.0	2163.9	2545.0	2922.8	3410.5	3781.9	4382.6	5245.0	6375.3	7001.9	7405.6
17.5°	1417.8	1589.0	1931.3	2354.4	2851.8	3375.0	4185.6	5215.9	6591.7	7337.8	7754.4
20°	1085.2	1143.3	1359.7	1737.6	2276.9	2961.6	3865.9	5341.8	7231.2	8154.9	8578.0
22.5°	878.5	904.3	988.3	1249.9	1773.1	2599.9	3714.1	5429.0	7951.4	9133.5	9698.7
25°	765.4	759.0	813.9	926.9	1385.5	2260.8	3520.3	5758.5	8833.1	10283.2	10790.3
27.5°	697.6	697.6	723.4	804.2	1149.8	2041.1	3397.6	5994.2	9721.3	11294.1	11568.6
30°	662.1	668.5	742.8	768.7	956.0	1779.5	3194.1	6233.2	10570.7	11940.0	12317.9
32.5°	613.6	587.8	571.6	636.2	804.2	1543.8	2990.7	6333.4	11258.6	12731.3	13054.3
35°	471.5	458.6	478.0	526.4	691.1	1343.5	2764.6	6446.4	12049.8	13648.5	13713.1
37.5°	426.3	423.1	436.0	478.0	581.3	1169.1	2603.1	6417.3	12653.8	14407.5	14233.1
40°	394.0	394.0	403.7	439.2	520.0	1046.4	2435.2	6391.5	13238.4	15260.1	14749.8
42.5°	368.2	368.2	384.3	406.9	494.1	965.7	2309.2	6356.0	13729.3	15783.3	15053.4
45°	332.7	342.3	368.2	390.8	500.6	910.8	2215.5	6220.3	13897.2	15776.9	14908.1
47.5°	306.8	319.7	345.6	377.9	452.2	894.6	2151.0	6100.8	13839.1	15389.3	14452.7
50°	277.8	293.9	329.4	384.3	384.3	862.3	2083.1	6207.4	13797.1	15088.9	14016.7
52°	258.4	271.3	316.5	374.6	335.9	794.5	2041.1	6414.1	13968.3	15050.2	13822.9
52.5°	255.1	264.8	306.8	368.2	319.7	781.6	2012.1	6462.5	14023.2	14953.3	13955.3
55°	226.1	239.0	281.0	287.4	261.6	642.7	1918.4	6572.3	13751.9	14762.8	13829.4
57.5°	213.2	219.6	248.7	235.8	226.1	484.4	1650.4	6401.2	12214.6	13112.4	12866.9
60°	197.0	203.5	232.5	184.1	190.5	339.1	1240.2	5558.2	9808.5	10925.9	11368.4
62.5°	190.5	187.3	219.6	148.6	161.5	245.5	875.2	4518.3	7557.4	8994.6	9760.0
65°	167.9	164.7	158.3	126.0	138.9	190.5	523.2	2948.7	5325.7	6804.9	7224.7
67.5°	129.2	135.6	116.3	100.1	116.3	148.6	290.7	1320.9	2793.7	4082.3	4421.4
70°	90.4	96.9	93.7	87.2	103.3	122.7	167.9	452.2	1156.2	2144.5	2364.1
72.5°	54.9	67.8	71.1	74.3	90.4	106.6	119.5	145.3	306.8	759.0	943.1
75°	32.3	45.2	54.9	64.6	74.3	90.4	100.1	103.3	106.6	142.1	229.3
77.5°	22.6	32.3	48.4	61.4	74.3	90.4	106.6	113.0	106.6	100.1	106.6
80°	19.4	32.3	45.2	58.1	77.5	93.7	106.6	106.6	103.3	90.4	96.9
82.5°	19.4	32.3	48.4	61.4	74.3	90.4	103.3	106.6	96.9	90.4	93.7
85°	22.6	35.5	51.7	64.6	80.7	74.3	67.8	54.9	51.7	42.0	45.2
87.5°	22.6	32.3	32.3	35.5	38.8	38.8	38.8	35.5	29.1	25.8	25.8
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: P530265

CATALOG NUMBER: GLAN-SA5C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0	8255.0
2.5°	9020.4	9278.8	9269.1	9275.6	9236.8	8975.2	8849.3	8529.5	8619.9	8581.2
5°	9366.0	9621.1	9840.8	9814.9	9517.8	9162.5	8636.1	8138.7	8003.1	7802.8
7.5°	9020.4	9634.1	9837.5	9808.5	9369.2	8913.8	8074.1	7576.8	7341.0	7208.6
10°	8471.4	9181.9	9433.8	9485.5	9188.4	8497.2	7725.3	6927.6	6801.7	6572.3
12.5°	8158.1	8674.9	8829.9	8968.8	8865.4	8348.7	7460.5	6695.1	6520.7	6368.9
15°	7903.0	8209.8	8274.4	8432.6	8494.0	8216.2	7599.4	6947.0	6517.4	6501.3
17.5°	8138.7	8012.8	7777.0	7825.5	8019.2	8219.5	7957.9	7444.4	7027.7	6976.1
20°	8529.5	7974.0	7441.1	7560.6	7722.1	8335.7	8500.5	8138.7	7899.7	7767.3
22.5°	8978.4	8041.8	7334.5	7392.7	7699.5	8597.3	9378.9	9178.7	8733.0	8542.4
25°	9808.5	8229.2	7418.5	7457.3	7877.1	8962.3	10173.4	10322.0	10057.1	10018.4
27.5°	10619.1	8713.6	7602.6	7515.4	7967.6	9317.6	10654.6	11452.4	10987.3	10896.9
30°	11032.5	9107.6	7877.1	7728.6	8342.2	9533.9	10945.3	12188.7	11781.8	11739.8
32.5°	11665.5	9466.1	8090.3	7899.7	8552.1	9802.0	11487.9	12992.9	12598.9	12389.0
35°	11930.3	9856.9	8558.6	8335.7	9152.8	10176.6	11765.6	13709.9	13587.2	13383.7
37.5°	12440.6	10276.8	9110.9	9097.9	9879.5	10664.3	12266.2	14685.2	14662.6	14310.6
40°	12482.6	10735.4	9982.9	10389.8	11003.4	11513.7	12705.5	14956.5	15324.7	15085.7
42.5°	12547.2	11539.6	11491.1	11827.0	12353.4	12243.6	12721.6	15021.1	15583.1	15441.0
45°	12576.3	12343.7	13025.2	13645.3	13864.9	13199.6	12569.8	14898.4	15718.7	15363.5
47.5°	12343.7	13034.9	14265.4	15463.6	15528.2	13787.4	12505.2	14772.4	15799.5	15563.7
50°	12376.0	13467.7	15337.6	16409.9	16174.1	14307.4	12405.1	14694.9	15757.5	15599.2
52°	12298.5	13477.3	15489.4	16390.5	16225.8	14019.9	12233.9	14397.8	15718.7	15831.8
52.5°	12385.7	13419.2	15331.2	16403.4	16190.3	14162.0	12211.3	14562.5	15741.3	15512.0
55°	12085.4	12728.1	14404.3	14859.6	14827.3	12854.0	11516.9	14016.7	15150.3	15153.5
57.5°	10922.7	11032.5	11297.3	11287.6	11139.1	10105.6	9850.4	12889.6	13506.4	13170.5
60°	9624.4	8077.4	7363.6	7072.9	6908.2	6740.3	8713.6	11791.5	11849.6	11707.5
62.5°	8316.4	5600.2	4650.7	4570.0	4608.7	5222.4	8422.9	11355.5	11006.7	10699.8
65°	6711.2	4082.3	3378.2	3271.6	3649.5	4311.6	6817.8	8707.1	8171.0	7915.9
67.5°	4214.7	2977.7	2283.4	2083.1	2538.5	2968.1	4479.5	5471.0	4870.3	4518.3
70°	2499.8	1663.3	1033.5	926.9	1043.2	1582.5	2509.4	2729.1	2257.5	2076.7
72.5°	985.0	610.4	287.4	245.5	255.1	555.5	923.7	901.1	681.5	607.2
75°	264.8	184.1	100.1	80.7	67.8	103.3	148.6	96.9	35.5	45.2
77.5°	122.7	109.8	87.2	67.8	51.7	38.8	19.4	6.5	6.5	3.2
80°	106.6	93.7	80.7	67.8	51.7	32.3	16.1	3.2	3.2	3.2
82.5°	100.1	87.2	74.3	61.4	48.4	32.3	16.1	3.2	0.0	0.0
85°	42.0	54.9	61.4	58.1	51.7	32.3	16.1	3.2	0.0	0.0
87.5°	22.6	19.4	16.1	12.9	9.7	6.5	6.5	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

(END OF REPORT)