

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: P530731

Luminaire Tested: **GLAN-SA6A-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6A-727-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12538 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

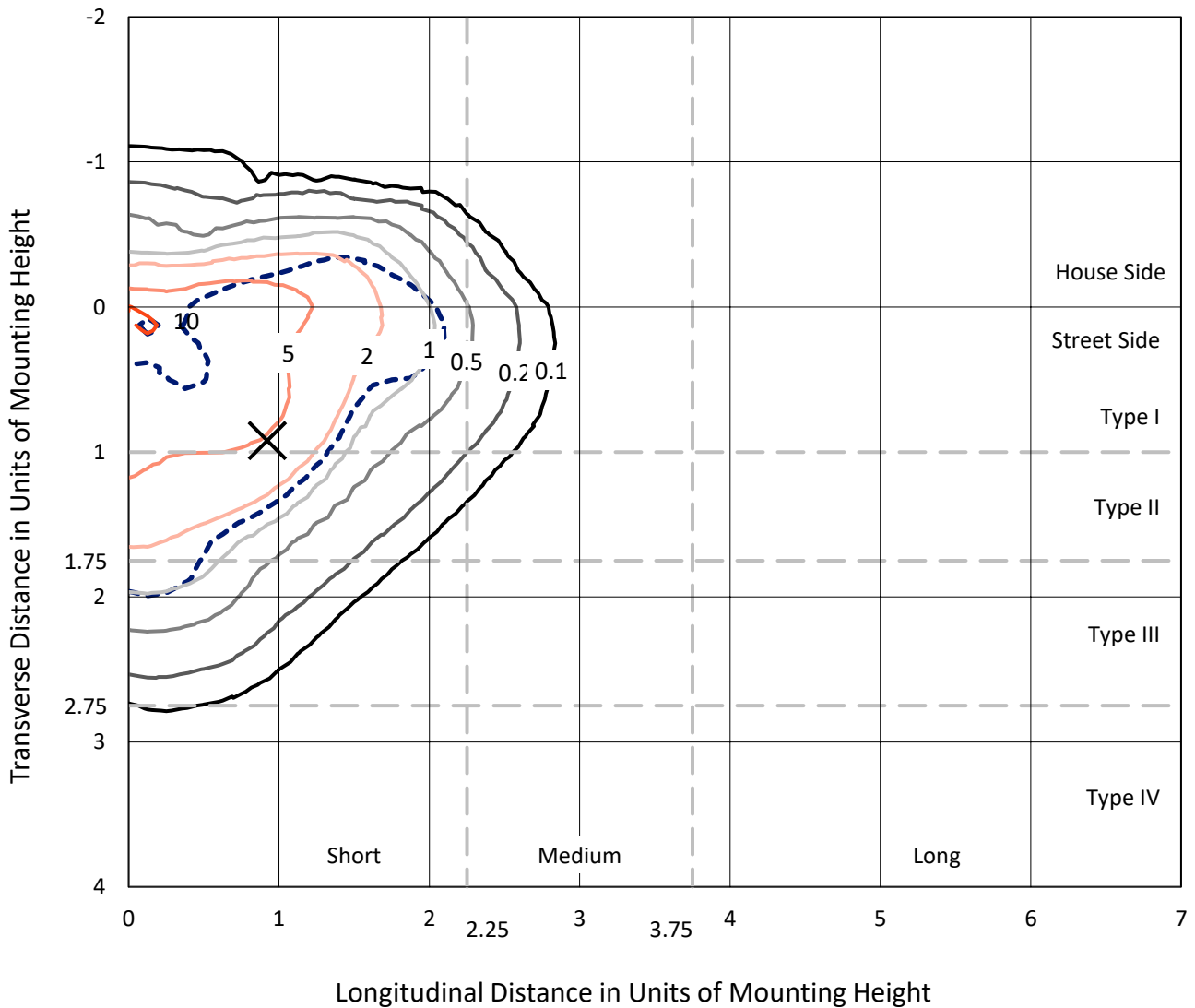
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

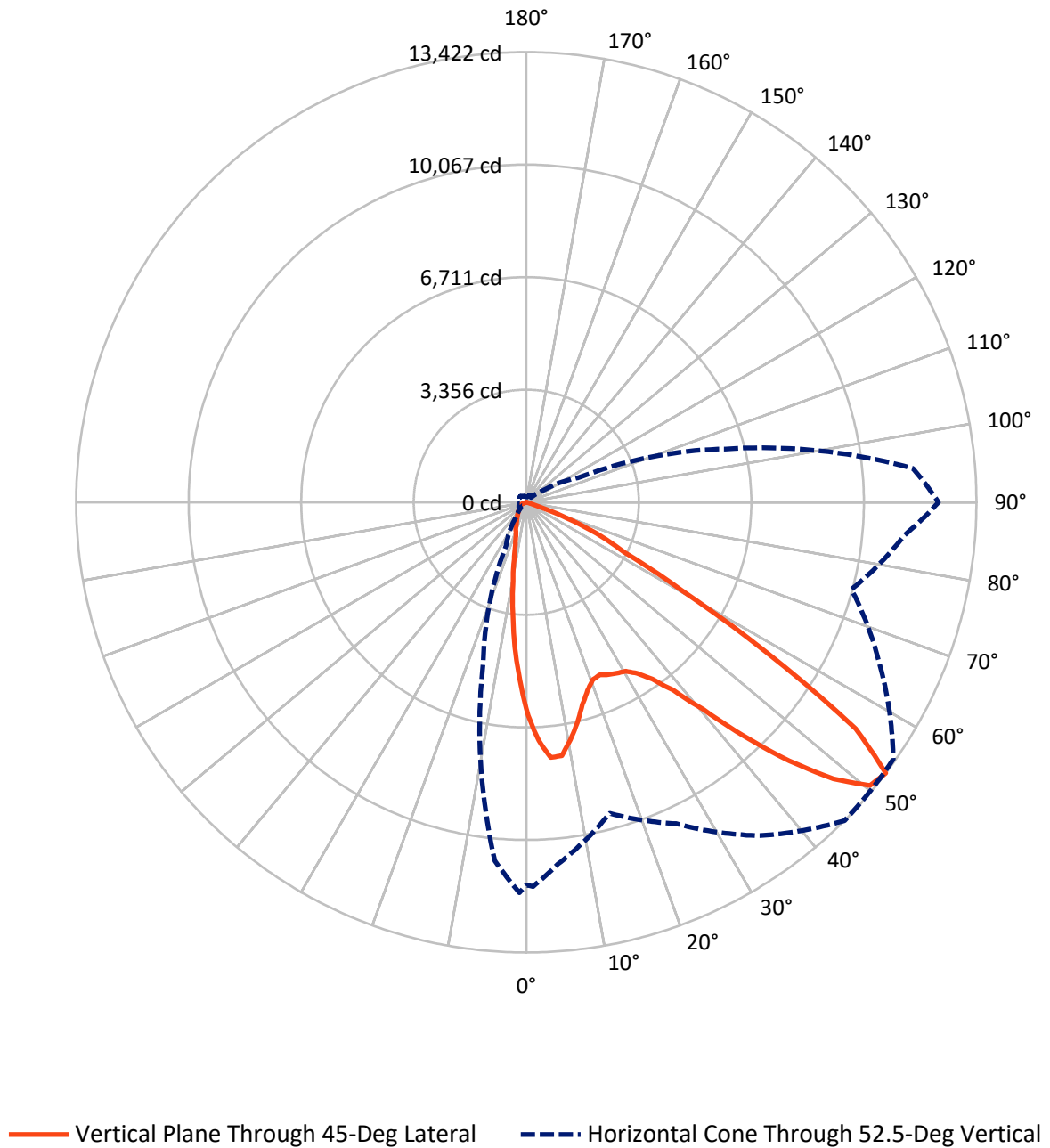
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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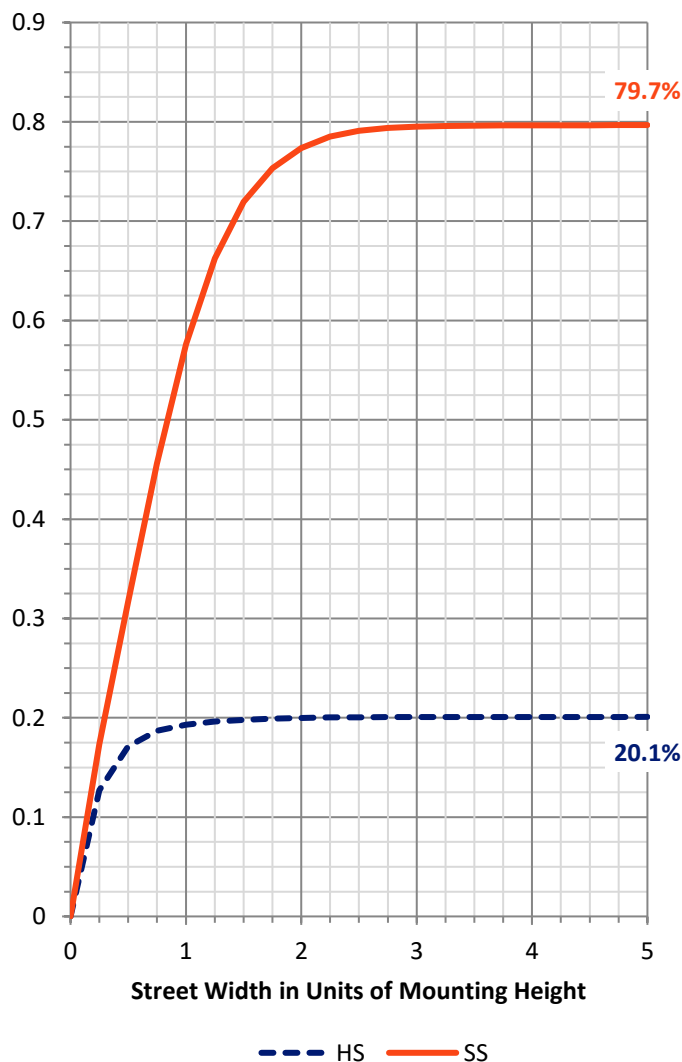
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2544.6	0.0	2544.6
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	9993.4	0.0	9993.4
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	12538.0	0.0	12538.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	463.6	3.7
10°-20°	914.7	7.3
20°-30°	1392.1	11.1
30°-40°	2080.6	16.6
40°-50°	2963.0	23.6
50°-60°	3185.1	25.4
60°-70°	1411.4	11.3
70°-80°	114.2	0.9
80°-90°	13.3	0.1
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°	12538.0	100.0
0°-180°	12538.0	100.0

**Coefficient of Utilization**

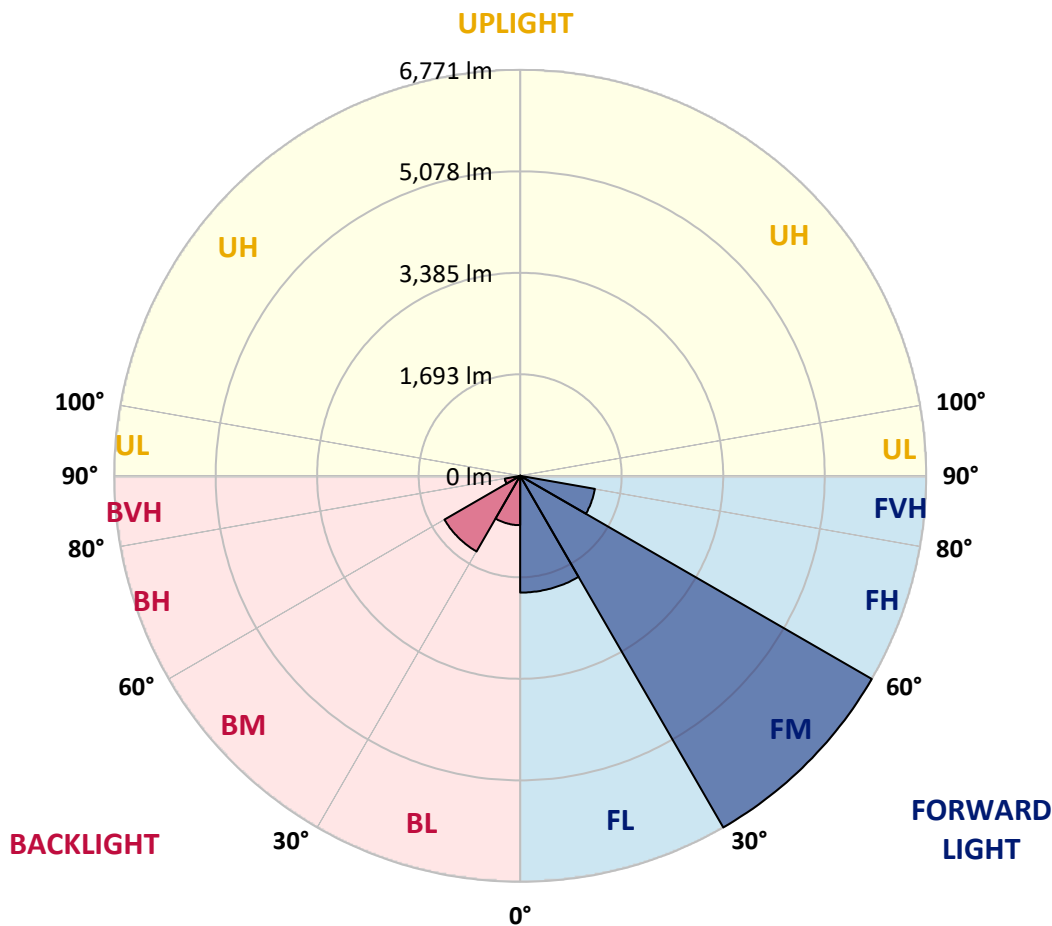


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1947.4	15.5			
FM (30°-60°)	6770.9	54.0			
FH (60°-80°)	1265.2	10.1			G1/1800
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	823.0	6.6	B2/1000		
BM (30°-60°)	1457.8	11.6	B2/2500		
BH (60°-80°)	260.4	2.1	B1/500		G1/500
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3
2.5°	6727.2	6747.0	6855.5	6991.1	7062.6	7225.4	7111.9	7141.5	7079.9	6862.9	6692.7
5°	6522.6	6520.1	6658.2	6993.6	7311.7	7634.7	7644.6	7472.0	7168.7	6835.8	6359.8
7.5°	5906.1	6002.2	6145.3	6680.4	7269.8	7511.4	7627.3	7425.1	6959.1	6483.1	5967.7
10°	5440.0	5489.3	5731.0	6377.1	6808.6	7131.7	7203.2	7087.3	6729.7	6135.4	5558.4
12.5°	5171.2	5195.9	5479.5	6022.0	6478.2	6717.4	6751.9	6806.2	6549.7	5992.4	5299.4
15°	5173.7	5193.4	5575.6	6029.4	6209.4	6145.3	6258.7	6256.2	6367.2	5965.3	5516.4
17.5°	5546.0	5568.2	5913.5	6137.9	6059.0	5908.5	5901.1	6014.6	6248.8	6303.1	5844.4
20°	6187.2	6239.0	6493.0	6480.6	6036.8	5733.5	5649.6	5735.9	6280.9	6589.2	6505.3
22.5°	7050.3	7121.8	7299.4	6959.1	6137.9	5615.1	5588.0	5755.6	6493.0	7227.8	7255.0
25°	8051.5	8172.3	8258.6	7822.2	6497.9	5819.8	5691.5	5980.1	6779.0	7920.8	8209.3
27.5°	8714.8	8840.6	8820.9	8197.0	6739.6	5874.0	5765.5	6034.3	7028.1	8086.0	8707.4
30°	9232.7	9309.2	9447.2	8399.2	6981.2	6026.9	5842.0	6263.6	7109.5	8372.1	9309.2
32.5°	9836.9	9888.7	9898.5	8756.8	7353.6	6219.3	6078.7	6549.7	7469.5	8645.8	9841.8
35°	10446.0	10522.4	10362.1	9198.2	7583.0	6576.8	6473.3	7045.4	7758.0	8929.4	10428.7
37.5°	11106.9	11146.3	10776.4	9380.7	7910.9	7158.8	7102.1	7580.5	8258.6	9442.3	11079.7
40°	11661.7	11698.7	11217.8	9605.1	8256.2	7972.6	8118.1	8601.4	8939.3	9775.2	11405.3
42.5°	11970.0	12056.3	11365.8	9481.8	8949.1	8894.9	9541.0	9711.1	9728.4	9868.9	11696.2
45°	12053.8	12014.4	11121.7	9582.9	9555.8	10411.5	10998.4	11222.8	10512.6	10041.6	11770.2
47.5°	11666.6	11718.4	10761.6	9494.1	10352.3	11560.6	12320.1	12736.9	11097.0	9891.1	11587.7
50°	11353.5	11286.9	10645.7	9430.0	10566.8	12103.1	13274.5	13368.2	11634.6	10076.1	11388.0
52.5°	11415.1	11457.0	10830.7	9600.1	10571.7	12135.2	13422.4	13358.3	11651.9	10034.2	11316.5
55°	11545.8	11360.9	10751.8	9225.3	9864.0	11240.0	11913.2	11814.6	10754.2	9587.8	11141.4
57.5°	9962.6	10248.7	9886.2	8236.4	8095.9	8468.2	8455.9	8759.2	8021.9	8251.2	10142.7
60°	8086.0	8135.3	8271.0	7045.4	5602.8	5474.5	5297.0	5104.6	5398.1	7055.2	9225.3
62.5°	7111.9	7052.8	7536.1	6409.1	3955.5	3311.8	3282.2	3400.6	4165.1	6729.7	8653.2
65°	5168.7	5242.7	5592.9	4973.9	2969.1	2527.7	2483.3	2833.4	3371.0	5393.1	6603.9
67.5°	3156.5	3299.5	3331.6	3067.7	2014.7	1600.4	1536.3	1854.4	2433.9	3489.4	3871.6
70°	1457.4	1630.0	1792.8	1674.4	1166.4	658.4	621.4	779.3	1228.1	2007.3	2054.2
72.5°	441.4	443.9	621.4	648.6	377.3	148.0	130.7	172.6	416.8	663.4	697.9
75°	32.1	34.5	83.8	96.2	71.5	37.0	39.5	46.9	88.8	148.0	111.0
77.5°	2.5	2.5	2.5	12.3	22.2	24.7	32.1	37.0	46.9	54.3	49.3
80°	2.5	0.0	2.5	9.9	17.3	24.7	29.6	34.5	37.0	41.9	37.0
82.5°	0.0	0.0	0.0	7.4	17.3	24.7	27.1	37.0	41.9	49.3	41.9
85°	0.0	0.0	0.0	7.4	17.3	27.1	24.7	12.3	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3
2.5°	6722.3	6626.1	6406.7	6295.7	6034.3	5997.3	5740.8	5698.9	5612.6	5565.8	5452.3
5°	6150.2	6034.3	5676.7	5375.9	5025.7	4781.6	4594.2	4424.0	4325.4	4234.1	4276.0
7.5°	5684.1	5346.3	4949.3	4446.2	4041.8	3780.4	3494.3	3260.1	3122.0	3028.2	3050.4
10°	5195.9	4976.4	4424.0	3859.3	3371.0	3186.1	2961.7	2781.6	2586.8	2419.1	2340.2
12.5°	5043.0	4717.5	4024.5	3449.9	3080.0	2900.0	2643.6	2436.4	2187.3	1982.7	1911.2
15°	5070.1	4756.9	3916.0	3302.0	2865.5	2554.8	2249.0	1992.5	1718.8	1575.8	1501.8
17.5°	5511.5	4969.0	3987.5	3146.6	2567.1	2135.6	1758.3	1432.7	1228.1	1080.1	1048.1
20°	6054.0	5427.7	4140.4	3033.2	2323.0	1699.1	1284.8	1003.7	833.5	808.8	801.5
22.5°	6848.1	6177.3	4468.4	2956.7	2024.6	1324.2	880.4	729.9	683.1	678.2	680.6
25°	7957.8	7116.9	4826.0	2892.6	1800.2	1020.9	720.1	619.0	604.2	596.8	609.1
27.5°	8438.7	7684.1	5015.8	2754.5	1595.5	919.8	710.2	614.0	572.1	559.8	567.2
30°	9033.0	8061.4	5314.2	2517.8	1294.7	757.1	663.4	668.3	648.6	586.9	567.2
32.5°	9822.1	8532.4	5464.7	2350.1	1156.6	626.4	485.8	446.3	498.1	508.0	525.3
35°	10327.6	9010.8	5541.1	2251.5	1085.0	535.1	411.8	374.8	362.5	365.0	374.8
37.5°	11267.2	9656.9	5637.3	2147.9	1030.8	466.1	372.4	337.8	320.6	320.6	330.4
40°	11829.4	10169.8	5768.0	2091.2	976.5	424.2	337.8	308.3	293.5	293.5	298.4
42.5°	11970.0	10423.8	5723.6	2071.4	914.9	414.3	308.3	286.1	268.8	266.3	263.9
45°	12221.5	10810.9	5731.0	2049.2	850.8	377.3	291.0	266.3	241.7	239.2	236.7
47.5°	12497.7	11089.6	5745.8	1962.9	789.1	315.6	303.3	246.6	217.0	212.1	212.1
50°	12261.0	11311.5	5874.0	1876.6	710.2	256.5	298.4	231.8	192.3	185.0	187.4
52.5°	12290.5	11572.9	6145.3	1755.8	611.6	204.7	241.7	219.5	175.1	162.8	165.2
55°	11817.1	11296.7	6182.3	1627.6	478.4	157.8	185.0	192.3	148.0	143.0	143.0
57.5°	10172.3	9565.6	5454.8	1319.3	315.6	130.7	133.2	167.7	128.2	123.3	125.8
60°	8705.0	7679.1	4389.5	870.5	197.3	103.6	96.2	170.2	113.4	111.0	118.4
62.5°	7935.6	6310.5	3329.1	540.1	135.6	78.9	66.6	138.1	98.6	98.6	108.5
65°	5733.5	4239.1	1935.8	283.6	96.2	61.7	49.3	78.9	81.4	83.8	88.8
67.5°	3551.0	2140.5	816.2	138.1	64.1	41.9	32.1	49.3	54.3	54.3	59.2
70°	1753.3	853.2	271.3	78.9	49.3	34.5	22.2	27.1	27.1	24.7	27.1
72.5°	542.5	256.5	69.0	49.3	34.5	22.2	12.3	9.9	4.9	0.0	2.5
75°	61.7	49.3	44.4	34.5	22.2	9.9	2.5	0.0	0.0	0.0	0.0
77.5°	37.0	41.9	41.9	34.5	22.2	7.4	0.0	0.0	0.0	0.0	0.0
80°	29.6	32.1	34.5	32.1	19.7	9.9	0.0	0.0	0.0	0.0	0.0
82.5°	37.0	41.9	46.9	41.9	27.1	12.3	4.9	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	7.4	2.5	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3
2.5°	5405.5	5351.2	5427.7	5314.2	5311.8	5314.2	5282.2	5252.6	5299.4	5425.2	5437.5
5°	4125.6	4241.5	4278.5	4399.3	4332.8	4234.1	4253.9	4187.3	4350.0	4421.5	4364.8
7.5°	3003.6	2996.2	3245.3	3260.1	3292.1	3294.6	3289.6	3158.9	3025.8	3055.4	3144.2
10°	2330.4	2204.6	2325.4	2313.1	2392.0	2369.8	2401.9	2261.3	2308.2	2308.2	2364.9
12.5°	1898.8	1765.7	1743.5	1711.4	1743.5	1755.8	1768.1	1741.0	1819.9	1856.9	1896.4
15°	1450.0	1376.0	1356.3	1294.7	1304.5	1339.0	1368.6	1381.0	1356.3	1413.0	1418.0
17.5°	1053.0	1050.5	1062.8	1060.4	1050.5	1043.1	1040.7	1008.6	998.7	1003.7	1023.4
20°	799.0	818.7	860.6	902.6	924.8	897.6	860.6	806.4	784.2	789.1	791.6
22.5°	683.1	712.7	769.4	816.2	838.4	789.1	722.5	675.7	665.8	663.4	660.9
25°	619.0	653.5	695.4	710.2	707.7	678.2	628.8	609.1	604.2	599.2	577.0
27.5°	584.4	596.8	604.2	621.4	628.8	609.1	596.8	567.2	562.2	562.2	547.5
30°	564.7	557.3	567.2	554.9	564.7	549.9	552.4	552.4	540.1	545.0	545.0
32.5°	525.3	527.7	527.7	503.1	510.5	493.2	510.5	525.3	527.7	530.2	549.9
35°	384.7	429.1	451.3	451.3	458.7	446.3	443.9	426.6	404.4	382.2	372.4
37.5°	337.8	355.1	384.7	402.0	414.3	404.4	382.2	355.1	342.8	332.9	323.0
40°	300.9	315.6	335.4	355.1	379.8	367.4	332.9	320.6	305.8	305.8	295.9
42.5°	271.3	278.7	291.0	320.6	347.7	323.0	298.4	288.5	281.1	278.7	276.2
45°	244.1	246.6	258.9	283.6	315.6	291.0	266.3	254.0	256.5	258.9	256.5
47.5°	219.5	224.4	231.8	261.4	281.1	268.8	241.7	234.3	234.3	234.3	236.7
50°	189.9	202.2	217.0	241.7	256.5	249.1	226.9	217.0	212.1	212.1	214.5
52.5°	170.2	180.0	199.7	229.3	249.1	236.7	214.5	199.7	189.9	187.4	192.3
55°	148.0	165.2	197.3	219.5	246.6	234.3	209.6	192.3	175.1	172.6	172.6
57.5°	133.2	160.3	189.9	217.0	239.2	229.3	209.6	187.4	165.2	162.8	162.8
60°	125.8	155.4	185.0	209.6	239.2	224.4	207.1	182.5	157.8	157.8	155.4
62.5°	118.4	145.5	175.1	199.7	229.3	217.0	199.7	175.1	150.4	150.4	145.5
65°	98.6	125.8	145.5	167.7	199.7	187.4	170.2	152.9	133.2	128.2	130.7
67.5°	69.0	86.3	106.0	128.2	148.0	143.0	135.6	123.3	106.0	103.6	101.1
70°	34.5	46.9	64.1	86.3	103.6	98.6	93.7	83.8	74.0	71.5	71.5
72.5°	4.9	14.8	27.1	39.5	54.3	56.7	54.3	51.8	49.3	46.9	49.3
75°	0.0	0.0	0.0	9.9	22.2	27.1	32.1	37.0	37.0	32.1	39.5
77.5°	0.0	0.0	0.0	0.0	2.5	12.3	24.7	32.1	39.5	34.5	46.9
80°	0.0	0.0	0.0	0.0	2.5	14.8	24.7	34.5	39.5	34.5	49.3
82.5°	0.0	0.0	0.0	0.0	2.5	17.3	24.7	32.1	37.0	34.5	44.4
85°	0.0	0.0	0.0	0.0	7.4	14.8	9.9	4.9	2.5	2.5	7.4
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: P530731

CATALOG NUMBER: GLAN-SA6A-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3	6357.3
2.5°	5506.6	5681.7	5869.1	5940.6	6162.5	6330.2	6443.7	6687.8	6724.8	6727.2
5°	4424.0	4512.8	4833.4	4983.8	5314.2	5570.7	5844.4	6239.0	6502.8	6522.6
7.5°	3144.2	3390.8	3526.4	3918.5	4325.4	4727.3	5134.2	5592.9	5898.7	5906.1
10°	2530.1	2690.4	2932.1	3225.5	3568.3	3977.7	4520.2	5052.8	5363.6	5440.0
12.5°	2036.9	2318.0	2594.2	2897.6	3158.9	3467.2	4051.6	4761.8	5018.3	5171.2
15°	1568.4	1824.8	2150.4	2505.5	2801.4	3213.2	3879.0	4690.3	5121.9	5173.7
17.5°	1156.6	1385.9	1686.7	2022.1	2466.0	3050.4	3908.6	5052.8	5459.7	5546.0
20°	831.0	964.2	1200.9	1590.6	2155.3	2860.6	3938.2	5420.3	6039.2	6187.2
22.5°	658.4	712.7	868.0	1213.3	1807.6	2660.8	4147.8	6123.1	6835.8	7050.3
25°	572.1	601.7	675.7	956.8	1588.1	2641.1	4483.2	6966.5	7896.1	8051.5
27.5°	552.4	557.3	621.4	877.9	1469.7	2510.4	4611.4	7565.7	8557.0	8714.8
30°	582.0	660.9	665.8	742.3	1250.3	2251.5	4678.0	8145.2	9116.8	9232.7
32.5°	503.1	478.4	495.7	574.6	1099.8	2101.0	4803.8	8650.7	9755.5	9836.9
35°	350.2	367.4	406.9	498.1	961.7	1943.2	4835.8	9208.0	10362.1	10446.0
37.5°	323.0	332.9	365.0	424.2	845.8	1854.4	4791.4	9614.9	10991.0	11106.9
40°	300.9	313.2	330.4	384.7	759.5	1755.8	4729.8	9982.4	11375.7	11661.7
42.5°	283.6	293.5	308.3	367.4	685.5	1657.2	4643.5	10500.2	11720.9	11970.0
45°	263.9	278.7	295.9	357.6	643.6	1590.6	4579.4	10468.2	11920.6	12053.8
47.5°	244.1	268.8	288.5	332.9	631.3	1558.5	4606.5	10347.3	11757.9	11666.6
50°	224.4	256.5	291.0	276.2	601.7	1494.4	4638.5	10512.6	11370.7	11353.5
52.5°	207.1	244.1	271.3	226.9	535.1	1432.7	4949.3	10729.6	11644.5	11415.1
55°	182.5	219.5	217.0	182.5	434.0	1385.9	5193.4	10734.5	11459.5	11545.8
57.5°	165.2	194.8	170.2	152.9	320.6	1159.0	4796.4	9000.9	9809.7	9962.6
60°	152.9	189.9	128.2	120.8	209.6	836.0	4187.3	6971.4	7797.5	8086.0
62.5°	140.6	180.0	101.1	98.6	145.5	594.3	3442.5	5834.6	6719.9	7111.9
65°	123.3	128.2	81.4	76.4	103.6	320.6	2096.1	4017.1	5023.2	5168.7
67.5°	101.1	98.6	66.6	61.7	69.0	155.4	924.8	2012.3	2912.3	3156.5
70°	81.4	81.4	56.7	49.3	49.3	71.5	241.7	801.5	1316.8	1457.4
72.5°	59.2	61.7	44.4	39.5	37.0	34.5	39.5	160.3	345.2	441.4
75°	51.8	54.3	44.4	34.5	27.1	22.2	17.3	14.8	19.7	32.1
77.5°	56.7	56.7	46.9	32.1	24.7	17.3	9.9	4.9	4.9	2.5
80°	71.5	74.0	61.7	41.9	29.6	19.7	12.3	4.9	2.5	2.5
82.5°	76.4	83.8	69.0	51.8	37.0	22.2	12.3	2.5	0.0	0.0
85°	19.7	32.1	54.3	46.9	37.0	22.2	12.3	2.5	0.0	0.0
87.5°	0.0	2.5	7.4	7.4	9.9	9.9	7.4	2.5	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)