

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: P456698

Luminaire Tested: **GLAN-SA8A-727-U-SLL-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P456698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8A-727-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22179 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

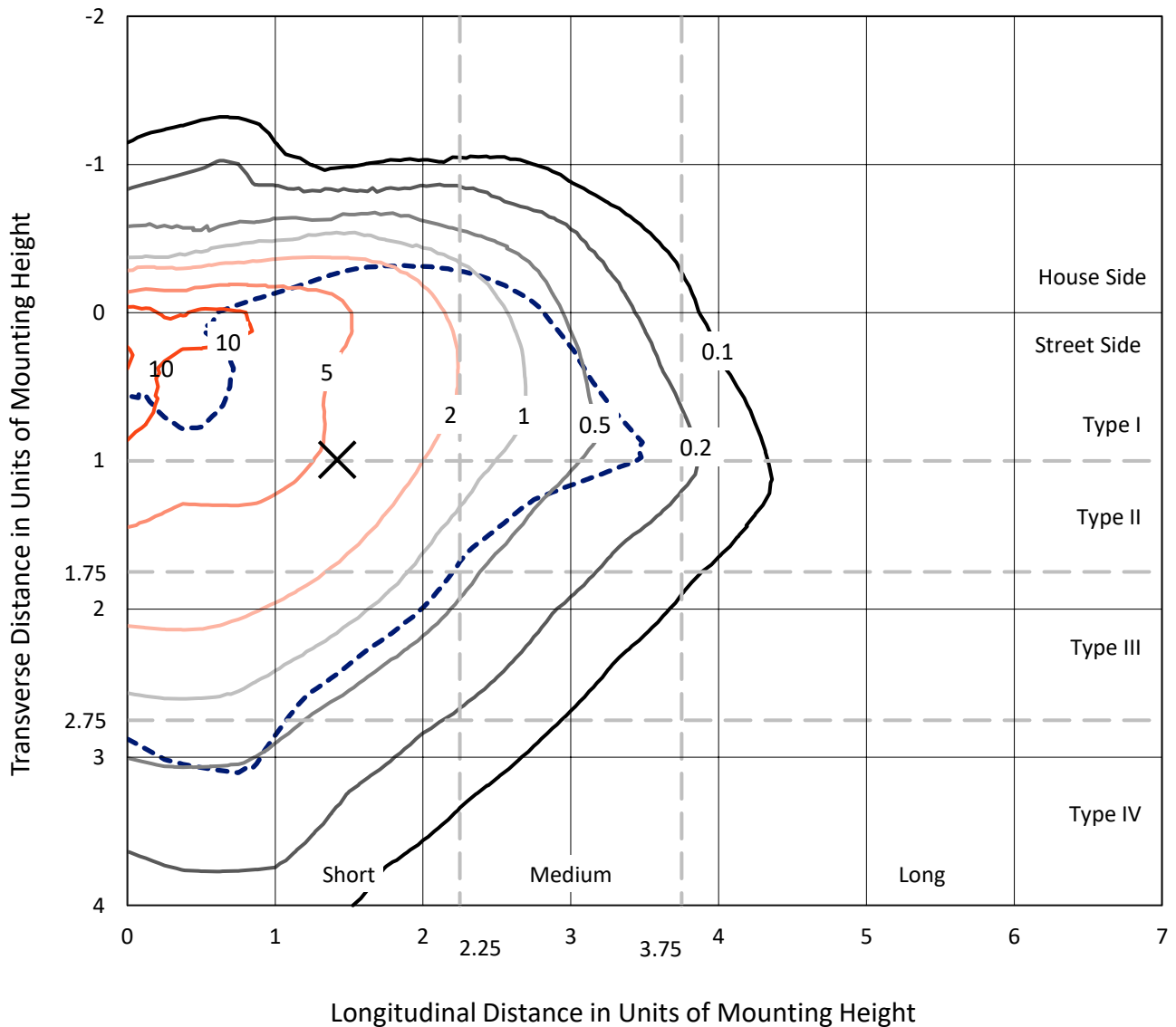
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

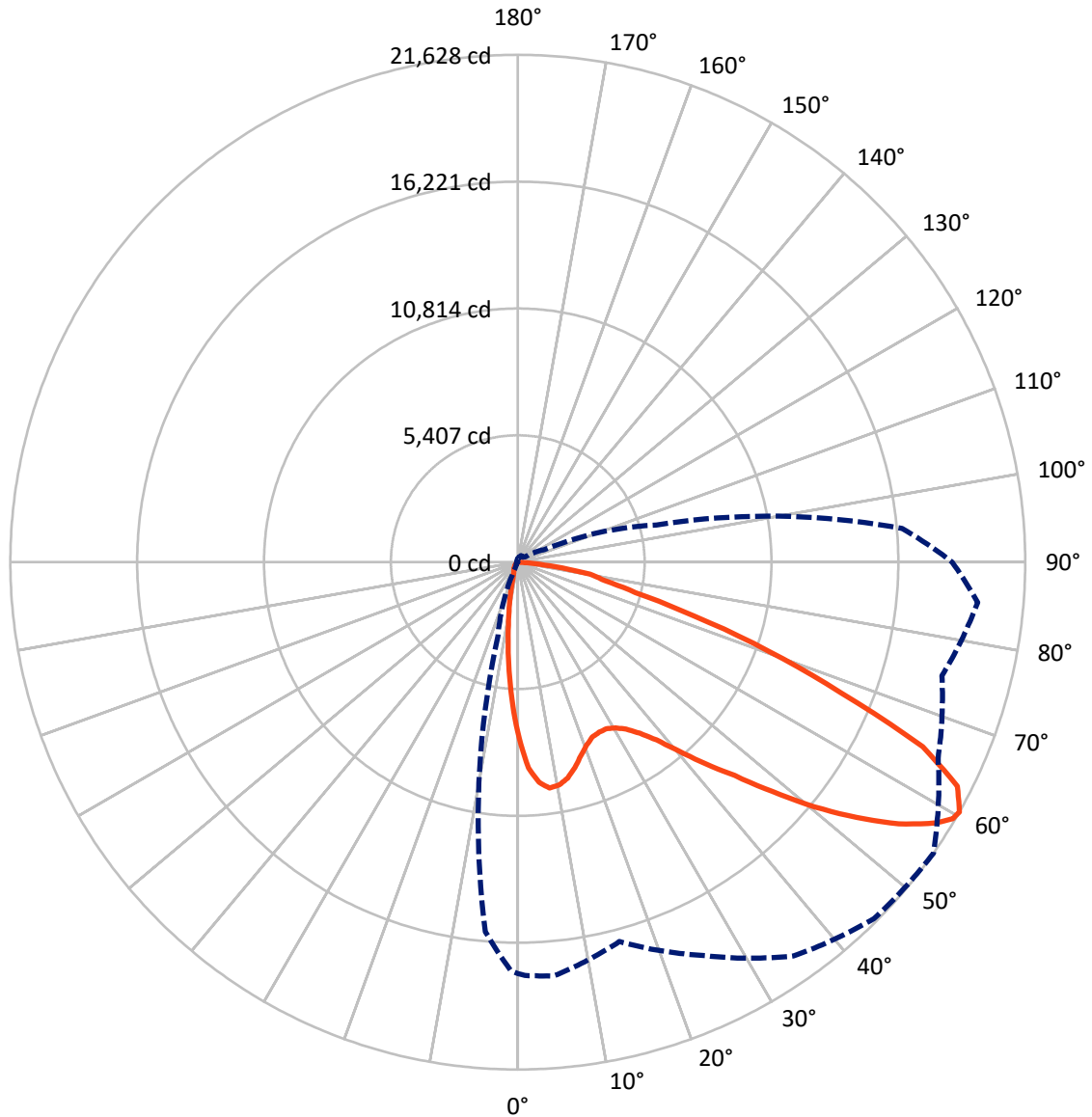
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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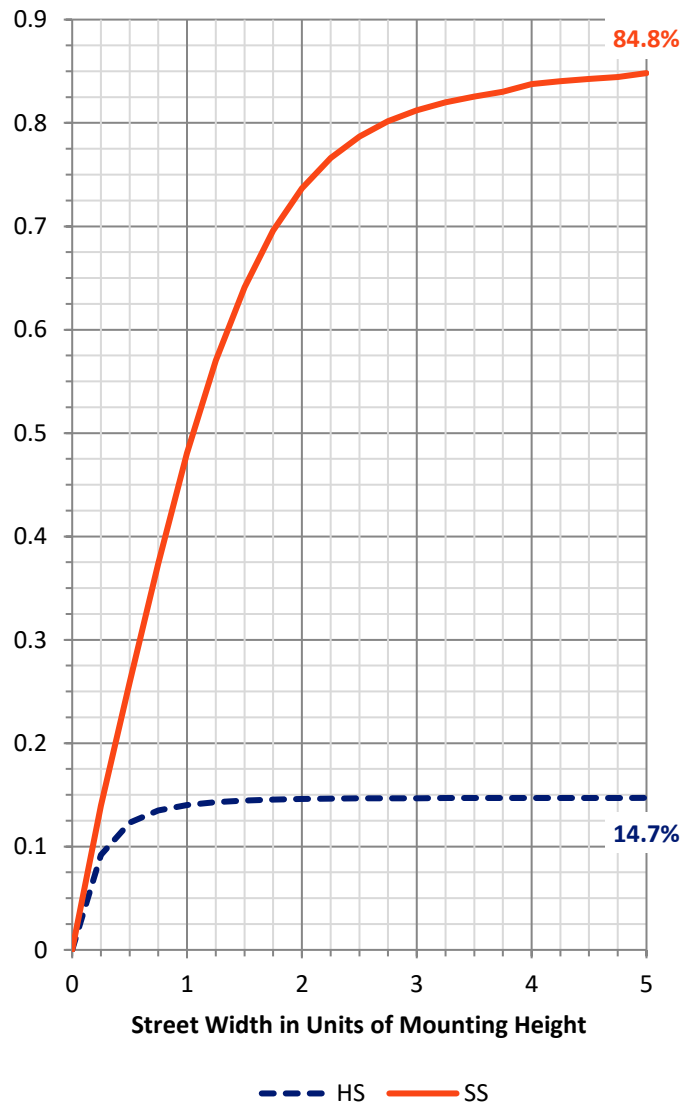
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3291.6	0.0	3291.6
	% Fixture	14.8	0.0	14.8
<b>Street Side</b>	Lumens	18887.4	0.0	18887.4
	% Fixture	85.2	0.0	85.2
<b>Total</b>	Lumens	22179.0	0.0	22179.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	556.1	2.5
10°-20°	1095.1	4.9
20°-30°	1621.0	7.3
30°-40°	2416.2	10.9
40°-50°	3538.6	16.0
50°-60°	5108.6	23.0
60°-70°	5374.0	24.2
70°-80°	2210.7	10.0
80°-90°	258.9	1.2
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°	22179.0	100.0
0°-180°	22179.0	100.0



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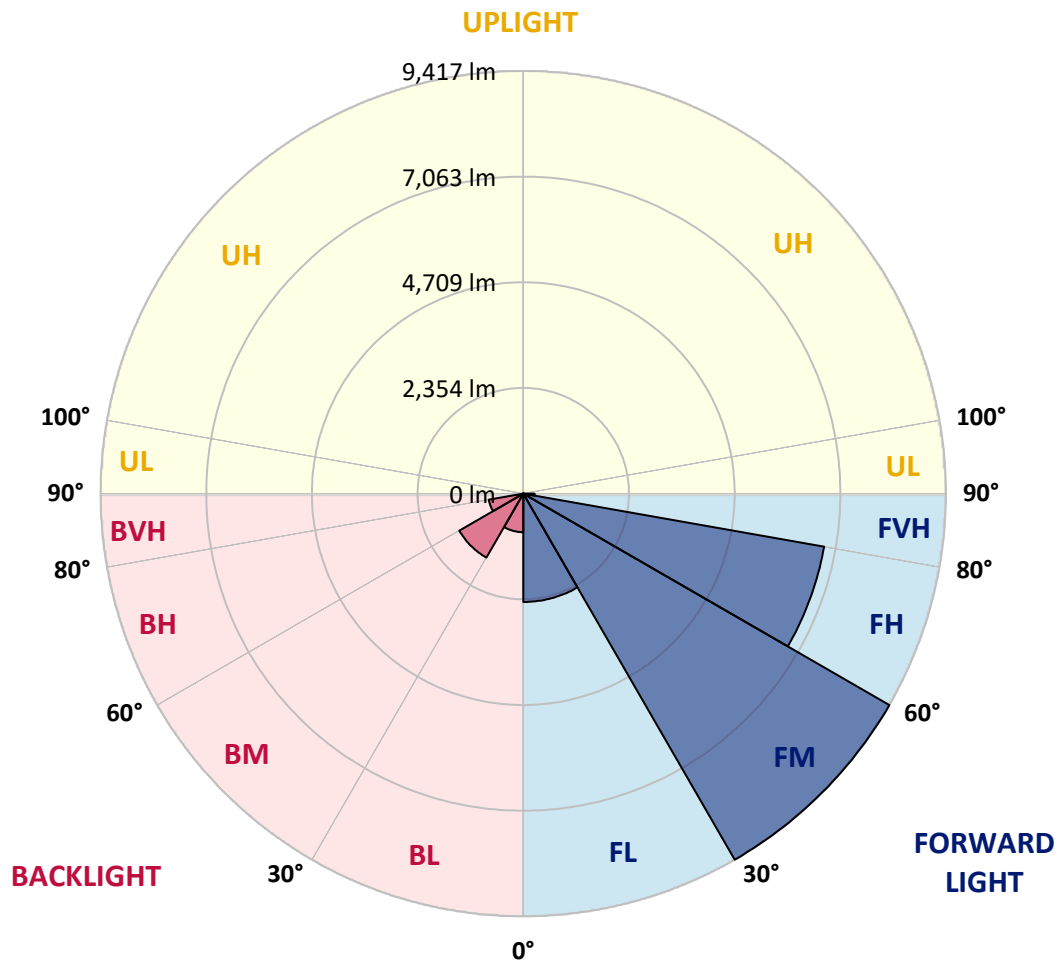
CATALOG NUMBER: GLAN-SA8A-727-U-SLL-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2413.4	10.9			
FM	(30°-60°)	9417.2	42.5			
FH	(60°-80°)	6805.5	30.7			G3/7500
FVH	(80°-90°)	251.3	1.1			G3/500
BL	(0°-30°)	858.8	3.9	B2/1000		
BM	(30°-60°)	1646.1	7.4	B2/2500		
BH	(60°-80°)	779.1	3.5	B2/1000		G2/1000
BVH	(80°-90°)	7.6	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-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7
2.5°	8204.6	8190.9	8312.1	8510.1	8709.9	8814.0	8793.5	8785.0	8619.4	8498.2	8243.8
5°	8187.5	8257.5	8474.3	9010.3	9416.6	9613.0	9671.0	9426.9	9104.2	8636.5	8059.4
7.5°	7697.5	7784.6	8138.0	8976.2	9698.3	10125.1	10109.7	9718.8	9053.0	8329.2	7506.3
10°	7089.8	7192.2	7607.1	8624.5	9561.7	10125.1	10155.8	9660.8	8832.8	7904.1	7038.6
12.5°	6661.3	6782.5	7241.7	8296.7	9210.1	9764.9	9800.7	9442.2	8667.2	7740.2	6784.2
15°	6516.2	6630.6	7096.6	8131.2	8836.2	9135.0	9126.4	9088.9	8602.3	7779.5	6797.9
17.5°	6765.4	6859.3	7385.1	8206.3	8486.2	8455.5	8499.9	8680.9	8616.0	8109.0	7228.1
20°	7409.0	7504.6	8069.7	8436.7	8218.2	8023.6	8044.1	8346.3	8742.3	8728.7	7900.7
22.5°	8295.0	8457.2	8969.4	8884.0	8182.4	7755.6	7712.9	8105.5	8957.4	9442.2	8808.9
25°	9416.6	9580.5	9980.0	9597.6	8358.2	7692.4	7653.1	8032.1	9218.6	10138.8	9831.5
27.5°	10359.0	10483.6	10881.4	10292.4	8617.7	7719.7	7654.9	8042.4	9430.3	10731.1	10693.6
30°	11113.5	11205.7	11439.6	10616.8	8841.3	7839.2	7764.1	8192.6	9524.2	11019.6	11391.8
32.5°	11721.3	11876.6	11950.0	10963.3	9162.3	8064.6	7936.5	8481.1	9752.9	11376.4	12124.2
35°	12416.1	12595.3	12501.5	11294.5	9585.6	8416.2	8259.2	8948.9	10099.5	11705.9	12974.3
37.5°	13297.0	13503.5	13136.5	11642.8	10032.9	8945.5	8872.1	9606.1	10625.3	12177.1	13885.9
40°	14208.6	14328.1	13752.8	12066.1	10582.6	9715.4	9785.4	10582.6	11313.3	12742.2	14855.6
42.5°	14920.5	15033.2	14386.1	12421.2	11144.3	10628.7	10920.6	11760.5	12102.0	13320.9	15579.4
45°	15465.1	15560.7	14824.9	12808.7	11902.2	11951.7	12503.2	12974.3	12892.4	13674.3	16137.7
47.5°	15888.4	15970.4	15162.9	13225.3	13037.5	13570.1	14413.5	14613.2	13711.8	14056.7	16643.0
50°	16062.6	16086.5	15268.7	13756.2	14326.4	15632.4	16511.5	16390.3	14650.8	14481.7	17180.7
52.5°	16289.6	16284.5	15570.9	14261.5	15538.5	17476.1	18353.6	18078.7	15712.6	15118.5	17785.1
55°	16885.4	16892.2	16217.9	14978.5	16571.3	18964.7	19903.6	19703.9	16832.5	16194.0	18490.1
57.5°	17609.2	17634.8	17138.1	15816.7	17558.0	20043.6	21061.1	20984.3	18346.7	17390.7	19155.9
59°	17703.1	17754.3	17573.4	16407.4	18143.6	20374.8	21457.2	21532.3	19157.6	18179.4	19516.1
60°	17532.4	17617.8	17699.7	16742.0	18486.7	20494.3	21481.1	21627.9	19767.1	18715.5	19680.0
62.5°	16788.1	16923.0	17334.4	17771.4	18915.2	20122.2	20718.0	21025.2	20521.6	20123.9	19695.4
65°	15813.3	15883.3	16477.4	17954.1	18083.8	18384.3	18568.7	18963.0	19615.1	20666.7	18990.3
67.5°	14215.4	14422.0	15149.2	16893.9	15630.7	15275.6	15229.5	14836.8	16530.3	19372.7	17252.4
70°	11743.5	11835.7	12731.9	13850.1	11796.4	11250.1	11468.6	11321.8	12813.9	16677.1	13885.9
72.5°	8880.6	9088.9	9964.6	11040.1	8027.0	7318.5	7921.2	7866.5	9624.9	13402.8	9539.5
75°	6318.2	6453.0	7569.5	8639.9	5621.6	4762.9	4979.8	5182.9	6719.3	10582.6	5637.0
77.5°	4341.3	4457.4	5295.6	5713.8	4100.6	3928.1	3593.5	3789.9	4402.7	6278.9	3067.7
80°	2618.8	2613.6	3165.1	3267.5	2856.1	3317.0	2782.7	3124.1	2661.4	2687.1	1188.2
82.5°	1700.3	1683.2	1935.9	2110.0	1589.4	1671.3	1121.6	1616.7	1734.5	749.4	375.6
85°	761.4	793.8	930.4	1227.4	696.5	370.5	228.8	496.8	739.2	377.3	0.0
87.5°	78.5	61.5	163.9	298.8	95.6	10.2	34.1	17.1	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°	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7
2.5°	8126.0	8027.0	7731.7	7455.1	7217.8	6927.6	6739.8	6444.5	6265.2	6210.6	6219.1
5°	7800.0	7514.9	6953.2	6504.2	6004.0	5718.9	5285.3	4868.8	4643.4	4559.8	4522.2
7.5°	7117.1	6811.5	6133.8	5428.7	4892.7	4392.5	4069.8	3702.8	3451.9	3245.3	3209.4
10°	6610.1	6208.9	5369.0	4611.0	4187.6	3812.1	3489.4	3122.4	2827.0	2591.5	2526.6
12.5°	6306.2	5857.2	4920.0	4284.9	3883.8	3497.9	3078.0	2652.9	2350.7	2096.4	1978.6
15°	6251.6	5730.9	4793.7	4051.1	3556.0	3089.9	2531.7	2072.5	1761.8	1521.1	1447.7
17.5°	6581.1	5957.9	4774.9	3806.9	3127.5	2466.8	1886.4	1505.7	1155.7	1020.9	968.0
20°	7168.3	6359.1	4773.2	3523.6	2687.1	1900.1	1324.7	981.6	839.9	775.0	744.3
22.5°	7969.0	6905.4	4863.7	3279.4	2229.5	1401.6	945.8	781.9	699.9	647.0	635.1
25°	8947.2	7714.6	5085.6	3113.8	1879.6	1099.4	780.2	669.2	600.9	577.0	566.8
27.5°	9816.1	8489.7	5329.7	2943.1	1628.6	973.1	723.8	612.9	558.2	539.5	524.1
30°	10565.5	9193.0	5447.5	2717.8	1427.2	891.1	734.1	655.5	583.8	527.5	501.9
32.5°	11190.4	9732.5	5524.3	2512.9	1256.5	729.0	580.4	507.0	474.6	454.1	437.0
35°	11972.2	10316.3	5478.2	2396.8	1169.4	664.1	529.2	437.0	382.4	341.4	324.4
37.5°	12791.7	10900.1	5398.0	2301.2	1130.1	616.3	503.6	414.8	355.1	312.4	290.2
40°	13640.1	11441.3	5304.1	2212.5	1094.3	585.6	488.2	396.1	336.3	290.2	266.3
42.5°	14416.9	11968.8	5266.6	2154.4	1036.2	590.7	476.3	387.5	317.5	269.7	249.2
45°	15045.1	12469.0	5317.8	2123.7	973.1	582.1	479.7	377.3	302.2	256.1	235.6
47.5°	15716.0	13175.8	5483.4	2093.0	911.6	541.2	505.3	375.6	295.3	247.5	225.3
50°	16496.2	14080.6	5862.3	2017.9	836.5	496.8	537.8	373.9	286.8	237.3	215.1
52.5°	17535.8	15108.3	6253.3	1886.4	727.2	454.1	513.9	368.7	269.7	225.3	203.2
55°	18469.6	16190.6	6584.5	1731.0	589.0	392.6	462.6	346.6	240.7	204.9	184.4
57.5°	18855.5	16801.8	6574.2	1515.9	471.2	344.8	380.7	317.5	210.0	181.0	163.9
59°	18713.8	16724.9	6354.0	1357.2	430.2	319.2	315.8	314.1	196.3	163.9	150.2
60°	18514.0	16445.0	6116.7	1278.7	404.6	302.2	290.2	310.7	184.4	153.6	140.0
62.5°	17749.2	15284.1	5329.7	1145.5	370.5	256.1	232.2	262.9	163.9	133.2	121.2
65°	16641.3	13500.1	4512.0	1107.9	360.2	211.7	192.9	187.8	140.0	112.7	102.4
67.5°	14480.0	11424.2	3655.0	1082.3	363.6	177.5	169.0	141.7	116.1	93.9	87.1
70°	11593.2	8907.9	2992.6	1053.3	367.0	145.1	141.7	112.7	93.9	78.5	71.7
72.5°	7043.7	5280.2	2355.9	915.0	356.8	116.1	126.3	85.4	68.3	56.3	52.9
75°	4354.9	3614.0	1461.3	711.9	235.6	85.4	88.8	52.9	46.1	35.9	35.9
77.5°	2523.2	2282.5	522.4	256.1	104.1	51.2	39.3	27.3	25.6	15.4	15.4
80°	1046.5	838.2	181.0	87.1	56.3	23.9	8.5	1.7	0.0	0.0	0.0
82.5°	305.6	271.4	49.5	39.3	17.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7
2.5°	6074.0	6017.7	5992.1	6079.2	5998.9	6101.4	6022.8	6057.0	6157.7	6202.1	6316.5
5°	4546.1	4488.1	4460.8	4592.2	4585.4	4650.3	4643.4	4703.2	4754.4	4640.0	4757.8
7.5°	3166.8	3127.5	3192.4	3294.8	3404.1	3368.2	3368.2	3288.0	3315.3	3298.2	3293.1
10°	2408.8	2273.9	2239.8	2236.4	2277.3	2285.9	2239.8	2128.8	2169.8	2181.7	2253.4
12.5°	1894.9	1790.8	1632.0	1560.3	1541.6	1556.9	1405.0	1307.7	1353.8	1326.5	1396.4
15°	1358.9	1273.5	1179.6	1099.4	1077.2	1046.5	880.9	764.8	751.1	756.3	768.2
17.5°	969.7	911.6	911.6	826.3	780.2	688.0	604.3	553.1	548.0	553.1	561.7
20°	715.3	684.6	681.2	659.0	607.7	546.3	488.2	478.0	474.6	483.1	486.5
22.5°	616.3	583.8	556.5	554.8	507.0	455.8	428.5	414.8	416.5	420.0	428.5
25°	551.4	517.3	488.2	471.2	437.0	401.2	375.6	368.7	368.7	373.9	375.6
27.5°	505.3	462.6	437.0	413.1	382.4	351.7	329.5	324.4	320.9	324.4	332.9
30°	472.9	430.2	397.8	361.9	338.0	309.0	290.2	283.4	281.7	283.4	290.2
32.5°	404.6	379.0	353.4	320.9	291.9	273.1	252.7	240.7	240.7	244.1	251.0
35°	305.6	291.9	290.2	281.7	257.8	237.3	213.4	201.4	201.4	208.3	211.7
37.5°	269.7	244.1	240.7	237.3	227.1	199.7	177.5	167.3	165.6	170.7	177.5
40°	245.8	216.8	201.4	198.0	199.7	169.0	145.1	134.9	134.9	136.6	143.4
42.5°	227.1	192.9	165.6	162.2	169.0	141.7	117.8	107.6	107.6	107.6	116.1
45°	211.7	172.4	140.0	122.9	133.2	116.1	95.6	85.4	81.9	85.4	88.8
47.5°	201.4	157.1	122.9	99.0	99.0	92.2	76.8	64.9	61.5	63.2	68.3
50°	192.9	143.4	104.1	80.2	71.7	73.4	58.0	49.5	46.1	46.1	51.2
52.5°	179.3	129.7	90.5	68.3	54.6	49.5	42.7	35.9	34.1	35.9	39.3
55°	162.2	117.8	78.5	56.3	42.7	34.1	30.7	25.6	23.9	25.6	30.7
57.5°	143.4	99.0	63.2	44.4	29.0	22.2	20.5	17.1	13.7	15.4	18.8
59°	131.5	88.8	54.6	35.9	22.2	15.4	15.4	12.0	8.5	10.2	15.4
60°	126.3	81.9	46.1	30.7	18.8	12.0	12.0	8.5	5.1	6.8	12.0
62.5°	107.6	68.3	35.9	18.8	8.5	1.7	5.1	1.7	0.0	1.7	5.1
65°	90.5	54.6	23.9	8.5	0.0	0.0	0.0	0.0	0.0	0.0	1.7
67.5°	75.1	41.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	59.8	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	41.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	25.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P456698  
 CATALOG NUMBER: GLAN-SA8A-727-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7	7509.7
2.5°	6323.3	6567.4	6717.6	7001.0	7291.2	7514.9	7794.8	8045.8	8149.9	8204.6
5°	4877.3	5217.0	5505.6	5937.5	6338.6	6826.9	7322.0	7905.8	8129.4	8187.5
7.5°	3422.8	3769.4	4071.6	4571.7	5143.6	5797.5	6538.4	7279.3	7605.3	7697.5
10°	2472.0	2842.4	3211.1	3711.3	4245.7	4954.1	5725.8	6642.5	7018.1	7089.8
12.5°	1560.3	1958.1	2557.3	3175.3	3740.4	4310.6	5118.0	6115.0	6529.8	6661.3
15°	904.8	1201.8	1654.2	2460.0	3178.7	3933.3	4814.2	5917.0	6381.3	6516.2
17.5°	606.0	708.5	1019.2	1635.4	2584.6	3585.0	4737.3	6079.2	6593.0	6765.4
20°	510.4	556.5	665.8	997.0	1990.5	3274.3	4757.8	6519.6	7193.9	7409.0
22.5°	449.0	491.7	561.7	717.0	1389.6	2888.5	4855.1	7149.5	8020.2	8295.0
25°	396.1	438.7	500.2	594.1	933.8	2442.9	5068.5	8071.4	9114.5	9416.6
27.5°	351.7	390.9	443.9	524.1	718.7	1946.1	5258.0	8969.4	10113.2	10359.0
30°	310.7	343.1	394.4	455.8	597.5	1500.6	5353.6	9754.6	10840.4	11113.5
32.5°	269.7	300.5	350.0	399.5	491.7	1143.8	5287.0	10331.7	11547.2	11721.3
35°	230.5	262.9	303.9	350.0	425.1	923.6	4954.1	10980.4	12279.5	12416.1
37.5°	198.0	225.3	268.0	303.9	384.1	739.2	4551.3	11564.2	13100.7	13297.0
40°	167.3	194.6	237.3	269.7	353.4	582.1	4187.6	12212.9	13966.2	14208.6
42.5°	136.6	169.0	206.6	259.5	303.9	443.9	3747.2	12738.7	14616.6	14920.5
45°	109.3	145.1	186.1	257.8	264.6	338.0	3322.1	13148.5	15191.9	15465.1
47.5°	87.1	122.9	179.3	240.7	216.8	268.0	3079.7	13577.0	15669.9	15888.4
50°	70.0	102.4	187.8	211.7	181.0	227.1	3072.9	14055.0	15917.5	16062.6
52.5°	56.3	83.7	158.8	162.2	153.6	199.7	3257.2	14592.7	16170.1	16289.6
55°	47.8	70.0	104.1	119.5	138.3	181.0	3395.5	15420.7	16772.7	16885.4
57.5°	37.6	59.8	80.2	95.6	122.9	165.6	3414.3	16059.1	17535.8	17609.2
59°	32.4	51.2	71.7	85.4	112.7	155.4	3337.5	16098.4	17585.3	17703.1
60°	27.3	46.1	63.2	80.2	104.1	146.8	3253.8	15813.3	17401.0	17532.4
62.5°	20.5	35.9	46.1	64.9	85.4	126.3	2857.8	14818.1	16695.9	16788.1
65°	13.7	25.6	34.1	47.8	66.6	109.3	2328.6	13527.4	15606.8	15813.3
67.5°	8.5	18.8	27.3	35.9	54.6	92.2	1659.3	11600.1	14082.3	14215.4
70°	5.1	12.0	20.5	29.0	42.7	73.4	985.0	9169.1	11716.2	11743.5
72.5°	3.4	8.5	13.7	20.5	34.1	66.6	478.0	5976.7	8554.5	8880.6
75°	1.7	5.1	8.5	15.4	27.3	54.6	228.8	3993.0	6224.3	6318.2
77.5°	0.0	1.7	5.1	10.2	20.5	42.7	133.2	2622.2	4244.0	4341.3
80°	0.0	0.0	3.4	8.5	15.4	27.3	80.2	1546.7	2571.0	2618.8
82.5°	0.0	0.0	1.7	6.8	10.2	20.5	41.0	679.4	1683.2	1700.3
85°	0.0	0.0	1.7	6.8	8.5	13.7	15.4	92.2	747.7	761.4
87.5°	0.0	0.0	1.7	8.5	8.5	8.5	8.5	5.1	63.2	78.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)