

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: P528679

Luminaire Tested: **GLAN-SA3D-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528679  
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-SA3D-735-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1200mA 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: 11893 lumens  
Efficiency: N/A  
Efficacy: 64.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

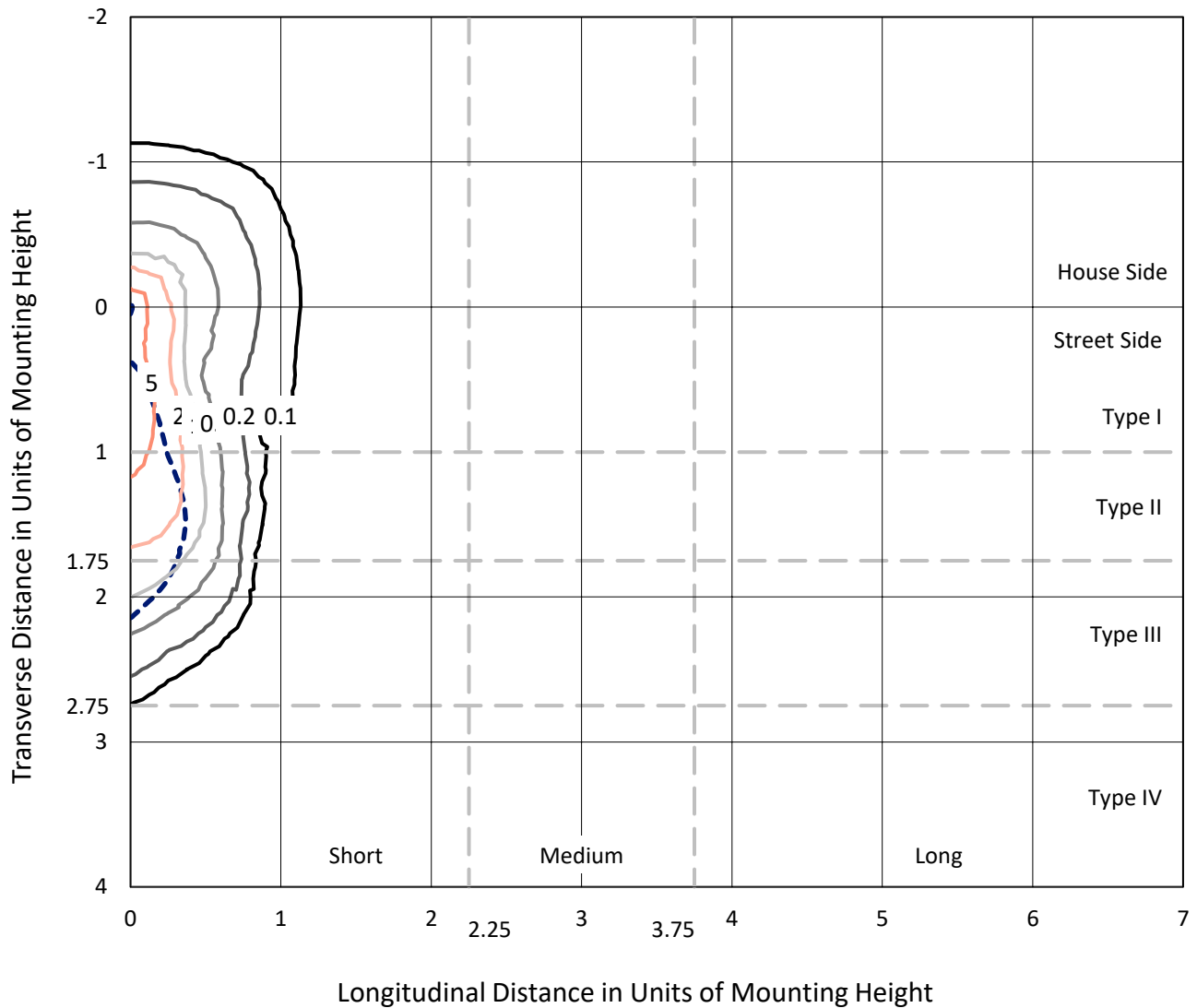
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

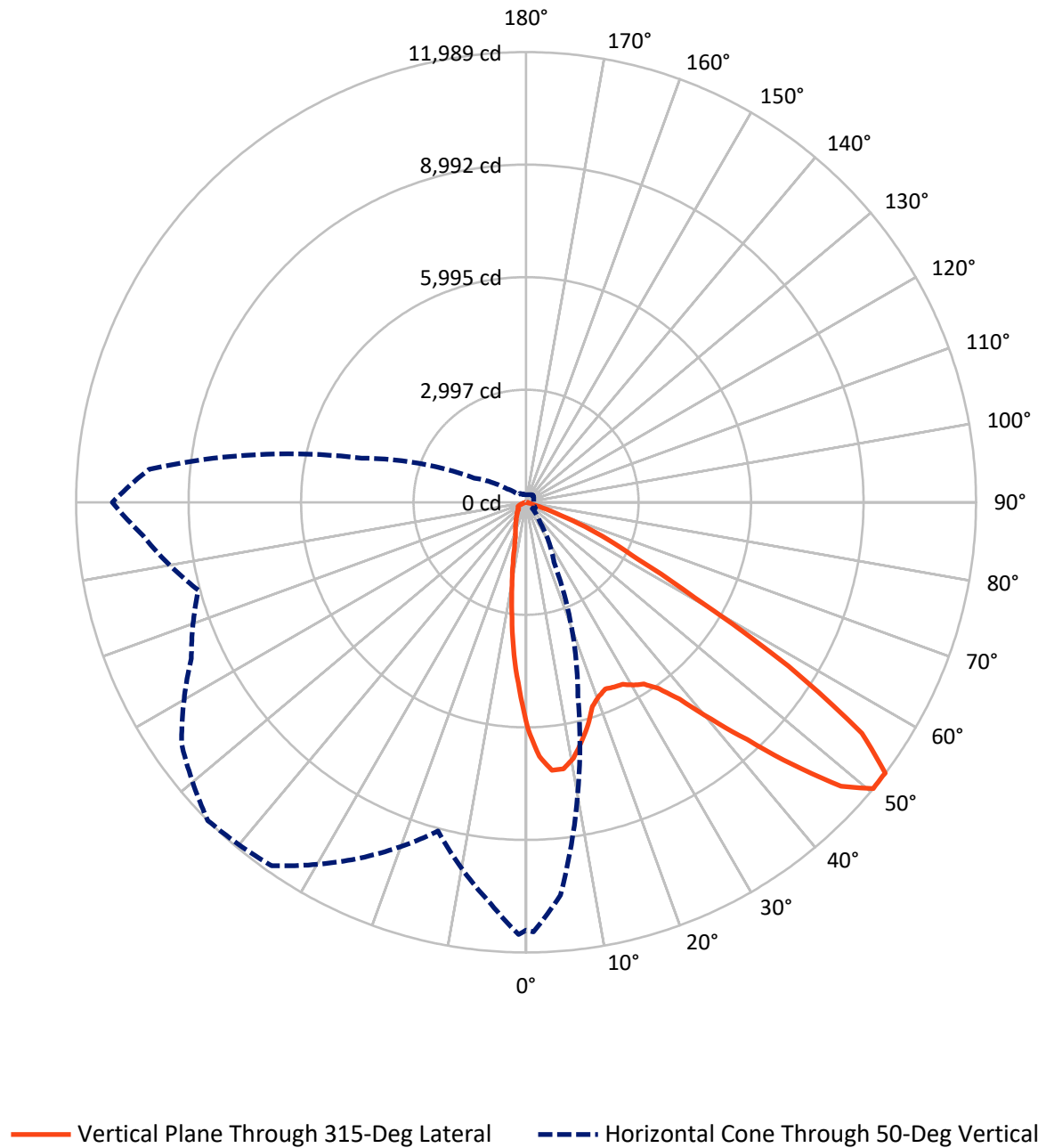
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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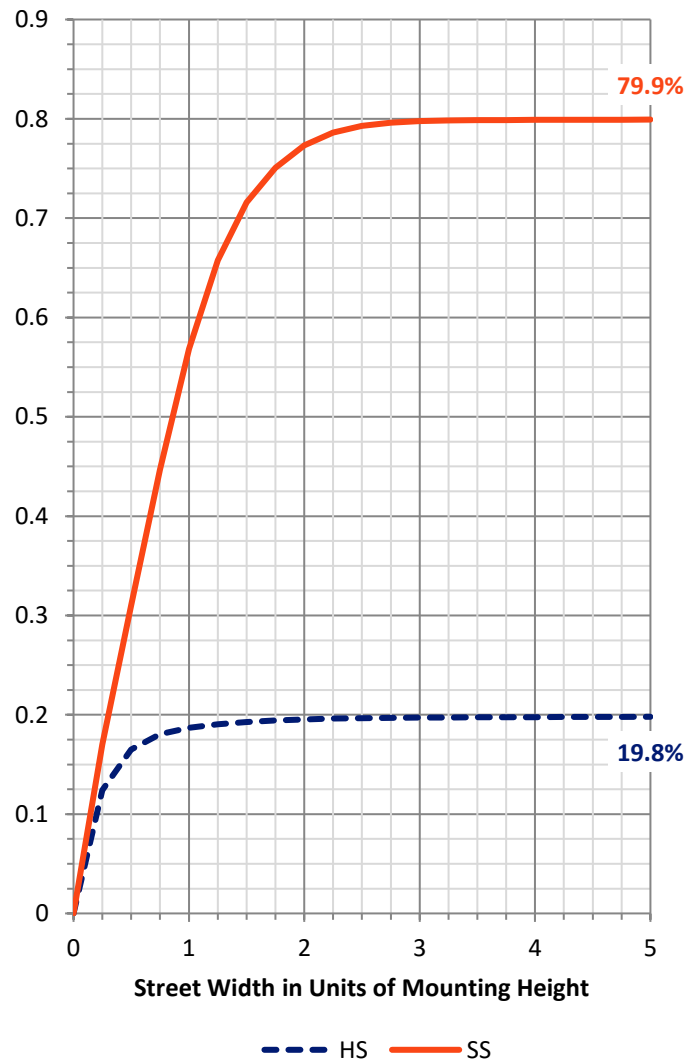
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2382.2	0.0	2382.2
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	9510.8	0.0	9510.8
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	11893.0	0.0	11893.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	439.6	3.7
10°-20°	873.7	7.3
20°-30°	1312.6	11.0
30°-40°	1970.2	16.6
40°-50°	2768.9	23.3
50°-60°	2986.8	25.1
60°-70°	1386.7	11.7
70°-80°	130.5	1.1
80°-90°	24.1	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°	11893.0	100.0
0°-180°	11893.0	100.0



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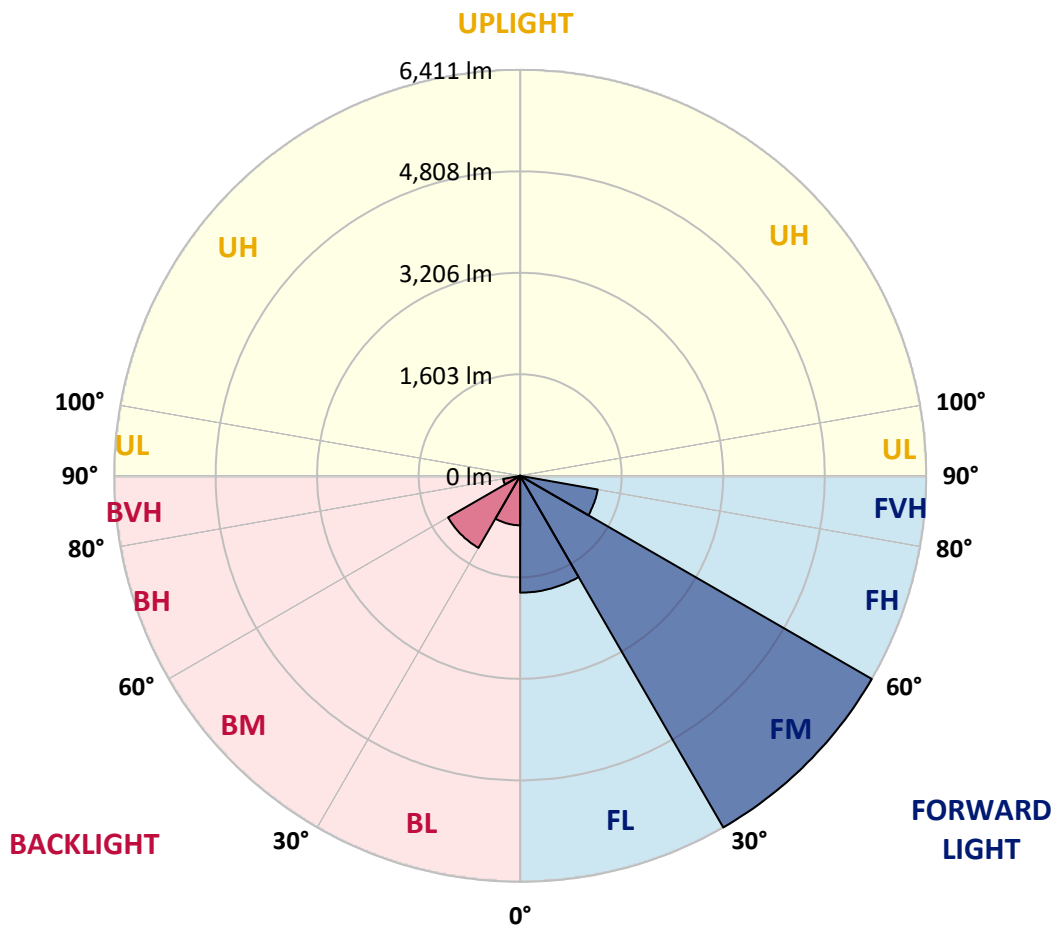
CATALOG NUMBER: GLAN-SA3D-735-U-SLR-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1845.1	15.5			
FM (30°-60°)	6411.2	53.9			
FH (60°-80°)	1243.7	10.5			G1/1800
FVH (80°-90°)	10.8	0.1			G1/100
BL (0°-30°)	780.8	6.6	B2/1000		
BM (30°-60°)	1314.6	11.1	B2/2500		
BH (60°-80°)	273.5	2.3	B1/500		G1/500
BVH (80°-90°)	13.2	0.1			G1/100
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°	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3
2.5°	6269.6	6172.8	6050.1	5948.7	5797.6	5493.3	5410.7	5311.6	5229.0	5118.1	4962.3
5°	5700.9	5670.2	5613.6	5231.3	4955.3	4587.1	4285.1	4157.7	3990.2	3853.3	3754.2
7.5°	5266.7	5144.0	4964.7	4580.1	4138.8	3744.8	3409.7	3213.8	2992.0	2916.5	2782.0
10°	4801.9	4830.2	4565.9	4025.6	3492.3	3173.7	2966.1	2777.3	2576.7	2444.6	2253.5
12.5°	4653.2	4561.2	4358.3	3690.5	3235.1	2937.8	2685.3	2451.7	2239.3	2026.9	1842.9
15°	4750.0	4608.4	4325.2	3619.7	3036.9	2666.4	2350.2	2034.0	1838.2	1566.8	1375.7
17.5°	5096.8	4983.6	4603.7	3695.2	2935.4	2406.8	1937.3	1611.6	1312.0	1066.6	969.8
20°	5674.9	5514.5	5037.8	3791.9	2784.4	2093.0	1571.5	1170.4	887.2	783.4	729.1
22.5°	6241.3	6154.0	5552.2	3978.4	2649.9	1814.6	1179.8	788.1	663.1	644.2	608.8
25°	7319.6	7057.7	6338.0	4315.8	2546.1	1552.6	889.6	634.7	561.6	547.4	552.2
27.5°	7961.4	7742.0	7064.8	4540.0	2430.4	1352.1	752.7	582.8	533.3	502.6	490.8
30°	8577.3	8322.5	7425.8	4672.1	2182.7	1139.7	667.8	559.2	547.4	502.6	488.4
32.5°	9051.6	8801.5	7947.3	4870.3	2081.2	1002.8	549.8	436.5	405.9	401.1	443.6
35°	9778.4	9511.7	8393.3	4978.8	2003.3	932.1	476.6	389.3	353.9	339.8	342.1
37.5°	10455.6	10273.9	8806.2	5021.3	1920.8	910.8	427.1	349.2	318.6	309.1	306.8
40°	11021.9	10616.0	9197.9	5066.2	1885.4	870.7	396.4	318.6	297.3	283.2	283.2
42.5°	11281.5	10868.5	9636.8	5040.2	1875.9	807.0	396.4	292.6	276.1	261.9	259.6
45°	11224.8	11057.3	9832.6	5028.4	1875.9	743.3	361.0	285.5	261.9	243.0	238.3
47.5°	11371.1	11151.7	10078.0	5078.0	1838.2	698.5	304.4	299.7	247.8	224.2	219.4
50°	11397.1	11439.6	10505.1	5335.2	1755.6	641.8	238.3	295.0	238.3	202.9	198.2
52°	11567.0	11302.7	10634.9	5472.0	1668.3	599.3	200.6	252.5	228.9	188.8	184.1
52.5°	11333.4	11505.6	10665.6	5521.6	1677.7	571.0	193.5	247.8	224.2	188.8	177.0
55°	11071.4	11236.6	10540.5	5627.8	1538.5	448.3	151.0	179.3	202.9	165.2	158.1
57.5°	9622.6	9790.2	9160.1	5153.5	1253.0	316.2	125.1	134.5	179.3	153.4	146.3
60°	8553.7	8433.4	7687.7	4299.3	889.6	177.0	99.1	103.8	195.9	141.6	139.2
62.5°	7817.5	7560.3	6425.3	3320.0	542.7	118.0	77.9	80.2	151.0	132.1	132.1
65°	5783.5	5495.6	4268.6	2008.1	266.6	82.6	59.0	63.7	94.4	113.3	113.3
67.5°	3301.1	3190.2	2062.3	906.1	110.9	51.9	44.8	49.6	73.1	92.0	87.3
70°	1517.3	1361.5	792.8	191.1	51.9	35.4	35.4	40.1	59.0	68.4	63.7
72.5°	443.6	420.0	193.5	30.7	21.2	21.2	23.6	30.7	44.8	51.9	47.2
75°	33.0	21.2	14.2	9.4	9.4	14.2	18.9	30.7	44.8	49.6	40.1
77.5°	2.4	4.7	2.4	2.4	7.1	14.2	21.2	37.8	59.0	61.4	44.8
80°	2.4	2.4	0.0	2.4	7.1	14.2	23.6	42.5	66.1	70.8	37.8
82.5°	0.0	0.0	0.0	2.4	9.4	18.9	28.3	44.8	61.4	75.5	40.1
85°	0.0	0.0	0.0	2.4	14.2	26.0	33.0	11.8	7.1	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°	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3
2.5°	5073.2	5011.9	4988.3	5009.5	5002.4	4995.4	5125.1	5096.8	5092.1	5134.6	5125.1
5°	3808.5	3699.9	3997.2	3876.9	4002.0	4077.5	4091.6	4098.7	4186.0	4094.0	4214.3
7.5°	2713.6	2741.9	2739.5	2819.8	2963.7	3091.1	3166.6	3107.7	3102.9	3091.1	3039.2
10°	2168.5	2119.0	2109.5	2090.6	2135.5	2244.0	2336.0	2262.9	2211.0	2281.8	2260.5
12.5°	1772.1	1703.7	1665.9	1590.4	1592.8	1665.9	1665.9	1665.9	1717.8	1757.9	1788.6
15°	1359.2	1302.5	1302.5	1227.0	1210.5	1212.9	1250.6	1255.3	1337.9	1361.5	1373.3
17.5°	950.9	920.3	955.7	986.3	967.5	972.2	986.3	991.1	1002.8	993.4	1017.0
20°	731.5	726.8	736.2	790.5	830.6	854.2	837.7	814.1	799.9	766.9	766.9
22.5°	620.6	630.0	646.5	691.4	743.3	757.4	738.6	684.3	641.8	637.1	639.5
25°	552.2	561.6	587.6	615.9	644.2	667.8	648.9	608.8	585.2	564.0	564.0
27.5°	509.7	514.4	528.6	549.8	573.4	592.3	585.2	564.0	538.0	528.6	507.3
30°	476.6	483.7	500.2	505.0	526.2	535.6	523.8	519.1	502.6	490.8	483.7
32.5°	460.1	457.8	469.6	474.3	476.6	483.7	469.6	476.6	474.3	455.4	448.3
35°	346.9	365.7	396.4	422.4	429.5	438.9	436.5	427.1	401.1	379.9	353.9
37.5°	311.5	323.3	339.8	361.0	389.3	401.1	396.4	372.8	342.1	328.0	323.3
40°	287.9	295.0	309.1	323.3	351.6	372.8	356.3	335.1	311.5	299.7	292.6
42.5°	266.6	269.0	276.1	290.2	311.5	344.5	316.2	287.9	278.4	271.4	266.6
45°	243.0	243.0	252.5	259.6	283.2	313.8	285.5	259.6	254.8	250.1	247.8
47.5°	224.2	226.5	231.2	240.7	259.6	280.8	261.9	240.7	228.9	226.5	221.8
50°	200.6	202.9	212.4	221.8	245.4	257.2	245.4	221.8	210.0	202.9	202.9
52°	181.7	188.8	198.2	217.1	233.6	252.5	238.3	212.4	198.2	191.1	186.4
52.5°	179.3	184.1	193.5	214.7	233.6	250.1	236.0	210.0	193.5	188.8	184.1
55°	160.5	167.5	184.1	210.0	231.2	250.1	231.2	207.6	184.1	172.3	167.5
57.5°	153.4	158.1	179.3	212.4	228.9	250.1	231.2	207.6	184.1	162.8	158.1
60°	146.3	155.7	179.3	205.3	226.5	252.5	233.6	205.3	179.3	153.4	153.4
62.5°	139.2	146.3	177.0	200.6	217.1	243.0	224.2	200.6	172.3	146.3	143.9
65°	120.3	132.1	155.7	167.5	186.4	210.0	191.1	174.6	151.0	129.8	127.4
67.5°	92.0	96.7	115.6	129.8	141.6	162.8	153.4	132.1	115.6	99.1	99.1
70°	63.7	68.4	82.6	89.7	101.5	113.3	106.2	89.7	77.9	68.4	66.1
72.5°	44.8	47.2	51.9	56.6	61.4	66.1	63.7	51.9	44.8	42.5	40.1
75°	35.4	40.1	42.5	40.1	37.8	35.4	35.4	30.7	26.0	23.6	23.6
77.5°	35.4	37.8	35.4	30.7	26.0	23.6	21.2	18.9	14.2	11.8	14.2
80°	30.7	30.7	30.7	26.0	23.6	21.2	18.9	16.5	14.2	11.8	11.8
82.5°	33.0	33.0	30.7	26.0	26.0	21.2	21.2	18.9	16.5	11.8	11.8
85°	0.0	0.0	0.0	4.7	11.8	21.2	21.2	18.9	16.5	14.2	14.2
87.5°	0.0	0.0	0.0	0.0	2.4	4.7	9.4	11.8	14.2	14.2	14.2
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°	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3
2.5°	5210.1	5299.8	5469.7	5639.5	5743.4	5866.1	6087.9	6205.9	6359.2	6434.7	6583.4
5°	4197.8	4410.2	4485.7	4679.2	4886.8	5094.5	5424.8	5788.2	6090.2	6297.9	6566.9
7.5°	3062.8	3112.4	3405.0	3534.7	3874.5	4252.1	4702.8	5160.5	5542.8	5882.6	6087.9
10°	2295.9	2477.6	2661.7	2909.4	3183.2	3572.5	4004.3	4509.3	5004.8	5344.6	5604.2
12.5°	1845.2	1989.2	2234.6	2501.2	2838.7	3095.9	3530.0	4030.3	4672.1	5004.8	5347.0
15°	1396.9	1581.0	1859.4	2135.5	2491.8	2763.1	3202.0	3832.1	4657.9	5115.7	5410.7
17.5°	1035.9	1160.9	1411.1	1720.2	2083.6	2465.8	3058.1	3810.8	4816.0	5361.1	5665.5
20°	792.8	835.3	993.4	1269.5	1663.5	2163.8	2824.5	3902.9	5283.2	5958.1	6267.2
22.5°	641.8	660.7	722.1	913.2	1295.4	1899.5	2713.6	3966.6	5809.4	6673.1	7086.0
25°	559.2	554.5	594.6	677.2	1012.3	1651.8	2572.0	4207.2	6453.6	7513.1	7883.6
27.5°	509.7	509.7	528.6	587.6	840.0	1491.3	2482.3	4379.5	7102.5	8251.7	8452.2
30°	483.7	488.4	542.7	561.6	698.5	1300.2	2333.7	4554.1	7723.1	8723.6	8999.7
32.5°	448.3	429.5	417.7	464.8	587.6	1127.9	2185.0	4627.3	8225.7	9301.7	9537.7
35°	344.5	335.1	349.2	384.6	505.0	981.6	2019.9	4709.8	8803.8	9971.9	10019.0
37.5°	311.5	309.1	318.6	349.2	424.7	854.2	1901.9	4688.6	9245.1	10526.4	10399.0
40°	287.9	287.9	295.0	320.9	379.9	764.5	1779.2	4669.7	9672.2	11149.3	10776.5
42.5°	269.0	269.0	280.8	297.3	361.0	705.5	1687.1	4643.8	10030.8	11531.6	10998.3
45°	243.0	250.1	269.0	285.5	365.7	665.4	1618.7	4544.7	10153.5	11526.9	10892.1
47.5°	224.2	233.6	252.5	276.1	330.4	653.6	1571.5	4457.4	10111.1	11243.7	10559.4
50°	202.9	214.7	240.7	280.8	280.8	630.0	1522.0	4535.2	10080.4	11024.3	10240.9
52°	188.8	198.2	231.2	273.7	245.4	580.5	1491.3	4686.3	10205.5	10995.9	10099.3
52.5°	186.4	193.5	224.2	269.0	233.6	571.0	1470.1	4721.6	10245.6	10925.2	10196.0
55°	165.2	174.6	205.3	210.0	191.1	469.6	1401.6	4801.9	10047.4	10785.9	10104.0
57.5°	155.7	160.5	181.7	172.3	165.2	353.9	1205.8	4676.8	8924.2	9580.2	9400.8
60°	143.9	148.7	169.9	134.5	139.2	247.8	906.1	4060.9	7166.2	7982.7	8305.9
62.5°	139.2	136.9	160.5	108.5	118.0	179.3	639.5	3301.1	5521.6	6571.6	7130.8
65°	122.7	120.3	115.6	92.0	101.5	139.2	382.3	2154.4	3891.1	4971.8	5278.5
67.5°	94.4	99.1	84.9	73.1	84.9	108.5	212.4	965.1	2041.1	2982.6	3230.4
70°	66.1	70.8	68.4	63.7	75.5	89.7	122.7	330.4	844.8	1566.8	1727.3
72.5°	40.1	49.6	51.9	54.3	66.1	77.9	87.3	106.2	224.2	554.5	689.0
75°	23.6	33.0	40.1	47.2	54.3	66.1	73.1	75.5	77.9	103.8	167.5
77.5°	16.5	23.6	35.4	44.8	54.3	66.1	77.9	82.6	77.9	73.1	77.9
80°	14.2	23.6	33.0	42.5	56.6	68.4	77.9	77.9	75.5	66.1	70.8
82.5°	14.2	23.6	35.4	44.8	54.3	66.1	75.5	77.9	70.8	66.1	68.4
85°	16.5	26.0	37.8	47.2	59.0	54.3	49.6	40.1	37.8	30.7	33.0
87.5°	16.5	23.6	23.6	26.0	28.3	28.3	28.3	26.0	21.2	18.9	18.9
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: P528679

CATALOG NUMBER: GLAN-SA3D-735-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3	6031.3
2.5°	6590.5	6779.3	6772.2	6776.9	6748.6	6557.5	6465.4	6231.8	6297.9	6269.6
5°	6843.0	7029.4	7189.8	7171.0	6953.9	6694.3	6309.7	5946.3	5847.2	5700.9
7.5°	6590.5	7038.8	7187.5	7166.2	6845.3	6512.6	5899.1	5535.7	5363.5	5266.7
10°	6189.3	6708.5	6892.5	6930.3	6713.2	6208.2	5644.3	5061.4	4969.4	4801.9
12.5°	5960.5	6338.0	6451.3	6552.7	6477.2	6099.7	5450.8	4891.5	4764.1	4653.2
15°	5774.0	5998.2	6045.4	6161.0	6205.9	6002.9	5552.2	5075.6	4761.8	4750.0
17.5°	5946.3	5854.3	5682.0	5717.4	5859.0	6005.3	5814.2	5439.0	5134.6	5096.8
20°	6231.8	5826.0	5436.6	5523.9	5641.9	6090.2	6210.6	5946.3	5771.7	5674.9
22.5°	6559.8	5875.5	5358.8	5401.2	5625.4	6281.4	6852.4	6706.1	6380.5	6241.3
25°	7166.2	6012.4	5420.1	5448.4	5755.2	6548.0	7432.9	7541.4	7347.9	7319.6
27.5°	7758.5	6366.3	5554.6	5490.9	5821.2	6807.6	7784.5	8367.3	8027.5	7961.4
30°	8060.5	6654.2	5755.2	5646.6	6095.0	6965.7	7996.8	8905.3	8608.0	8577.3
32.5°	8523.0	6916.1	5910.9	5771.7	6248.3	7161.5	8393.3	9492.8	9205.0	9051.6
35°	8716.5	7201.6	6253.1	6090.2	6687.2	7435.2	8596.2	10016.7	9927.0	9778.4
37.5°	9089.3	7508.4	6656.6	6647.1	7218.2	7791.5	8961.9	10729.3	10712.8	10455.6
40°	9120.0	7843.5	7293.7	7591.0	8039.3	8412.1	9282.8	10927.5	11196.5	11021.9
42.5°	9167.2	8431.0	8395.6	8641.0	9025.6	8945.4	9294.6	10974.7	11385.3	11281.5
45°	9188.5	9018.6	9516.4	9969.5	10130.0	9643.9	9183.7	10885.0	11484.4	11224.8
47.5°	9018.6	9523.5	10422.5	11298.0	11345.2	10073.3	9136.5	10793.0	11543.4	11371.1
50°	9042.2	9839.7	11205.9	11989.4	11817.1	10453.2	9063.4	10736.4	11512.7	11397.1
52°	8985.5	9846.8	11316.9	11975.2	11854.9	10243.2	8938.3	10519.3	11484.4	11567.0
52.5°	9049.2	9804.3	11201.2	11984.6	11828.9	10347.0	8921.8	10639.6	11500.9	11333.4
55°	8829.8	9299.4	10524.0	10856.7	10833.1	9391.4	8414.5	10240.9	11069.1	11071.4
57.5°	7980.3	8060.5	8254.0	8247.0	8138.4	7383.3	7196.9	9417.3	9868.0	9622.6
60°	7031.7	5901.5	5380.0	5167.6	5047.3	4924.6	6366.3	8615.1	8657.5	8553.7
62.5°	6076.1	4091.6	3397.9	3338.9	3367.2	3815.5	6154.0	8296.5	8041.7	7817.5
65°	4903.3	2982.6	2468.2	2390.3	2666.4	3150.1	4981.2	6361.6	5969.9	5783.5
67.5°	3079.3	2175.6	1668.3	1522.0	1854.7	2168.5	3272.8	3997.2	3558.3	3301.1
70°	1826.4	1215.2	755.1	677.2	762.2	1156.2	1833.4	1993.9	1649.4	1517.3
72.5°	719.7	446.0	210.0	179.3	186.4	405.9	674.9	658.3	497.9	443.6
75°	193.5	134.5	73.1	59.0	49.6	75.5	108.5	70.8	26.0	33.0
77.5°	89.7	80.2	63.7	49.6	37.8	28.3	14.2	4.7	4.7	2.4
80°	77.9	68.4	59.0	49.6	37.8	23.6	11.8	2.4	2.4	2.4
82.5°	73.1	63.7	54.3	44.8	35.4	23.6	11.8	2.4	0.0	0.0
85°	30.7	40.1	44.8	42.5	37.8	23.6	11.8	2.4	0.0	0.0
87.5°	16.5	14.2	11.8	9.4	7.1	4.7	4.7	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)