

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: P528627

Luminaire Tested: **GLAN-SA3D-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528627
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-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 10677 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

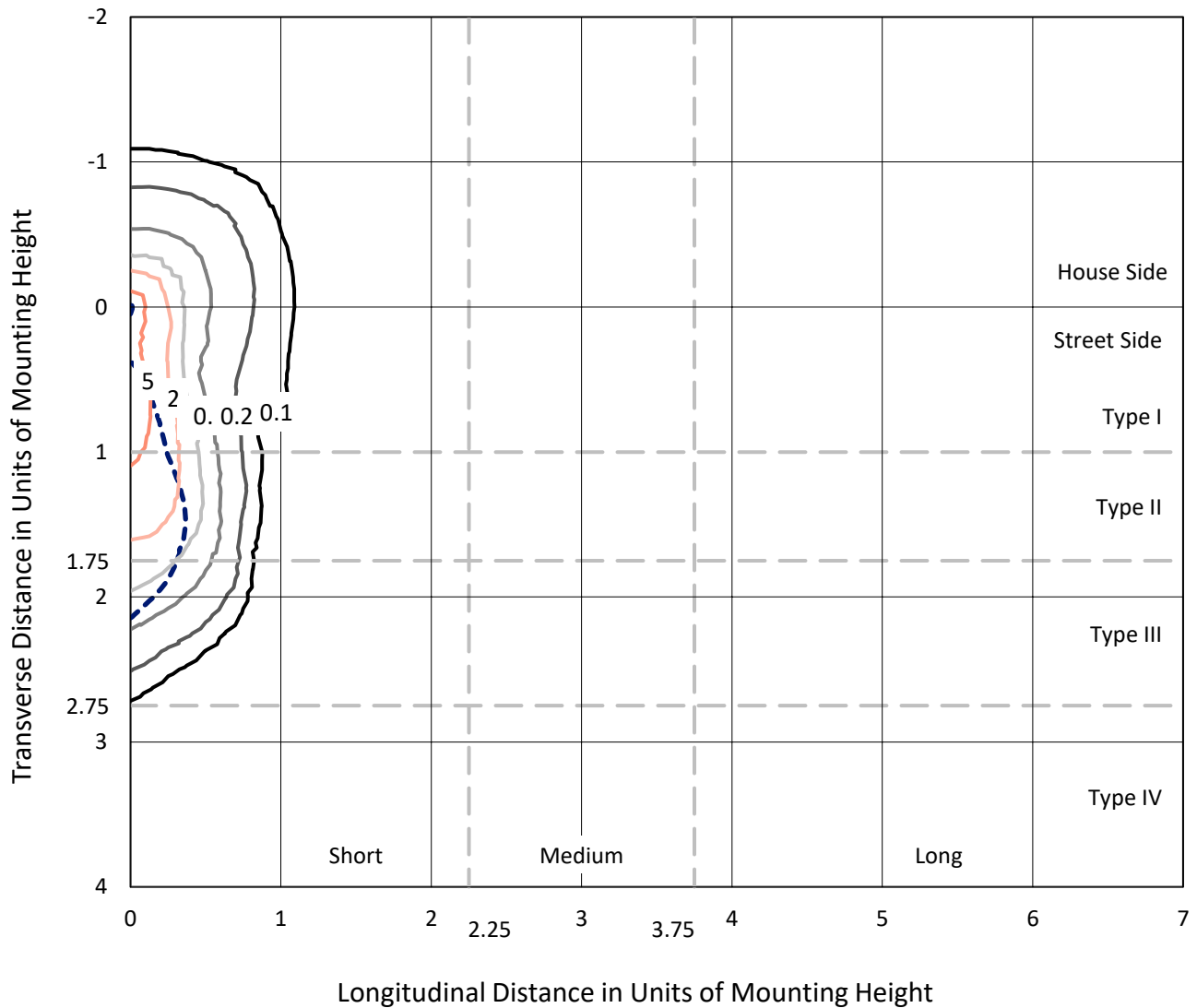
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

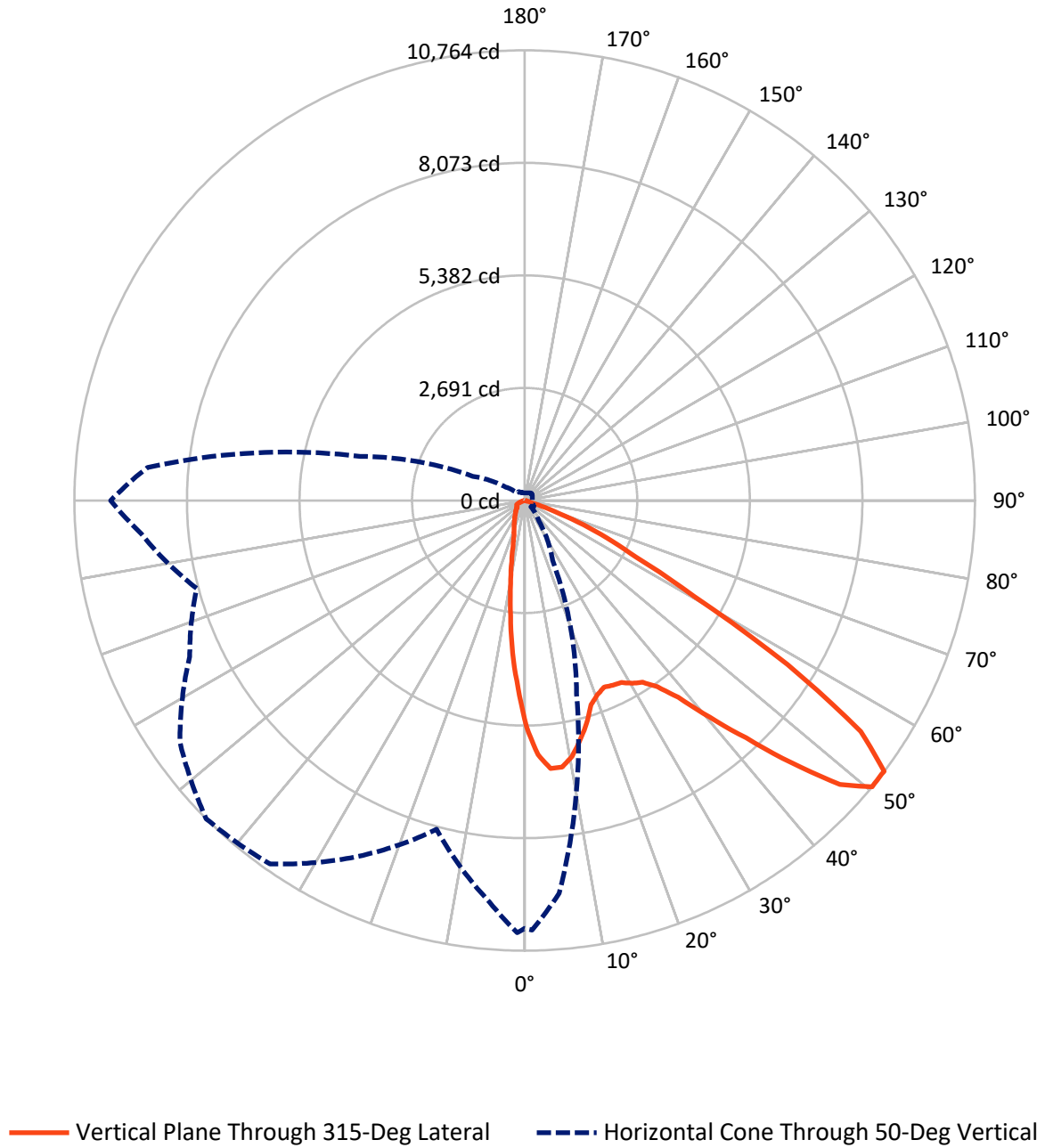
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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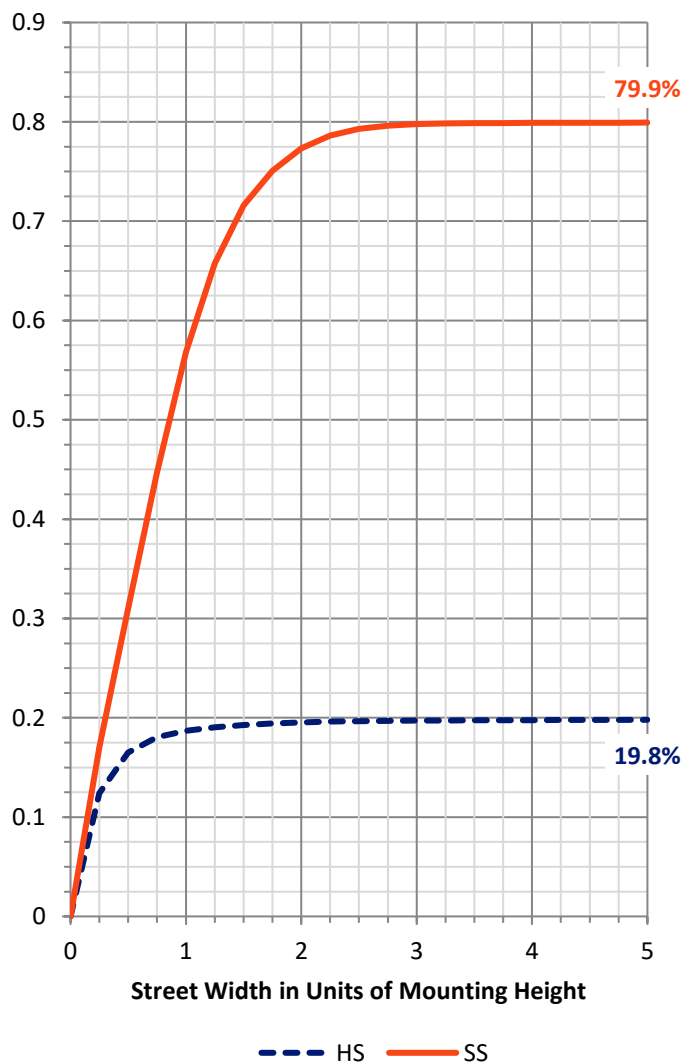
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2138.6	0.0	2138.6
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	8538.4	0.0	8538.4
	% Fixture	80.0	0.0	80.0
Total	Lumens	10677.0	0.0	10677.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.7	3.7
10°-20°	784.4	7.3
20°-30°	1178.4	11.0
30°-40°	1768.7	16.6
40°-50°	2485.8	23.3
50°-60°	2681.4	25.1
60°-70°	1245.0	11.7
70°-80°	117.1	1.1
80°-90°	21.6	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°	10677.0	100.0
0°-180°	10677.0	100.0

Coefficient of Utilization



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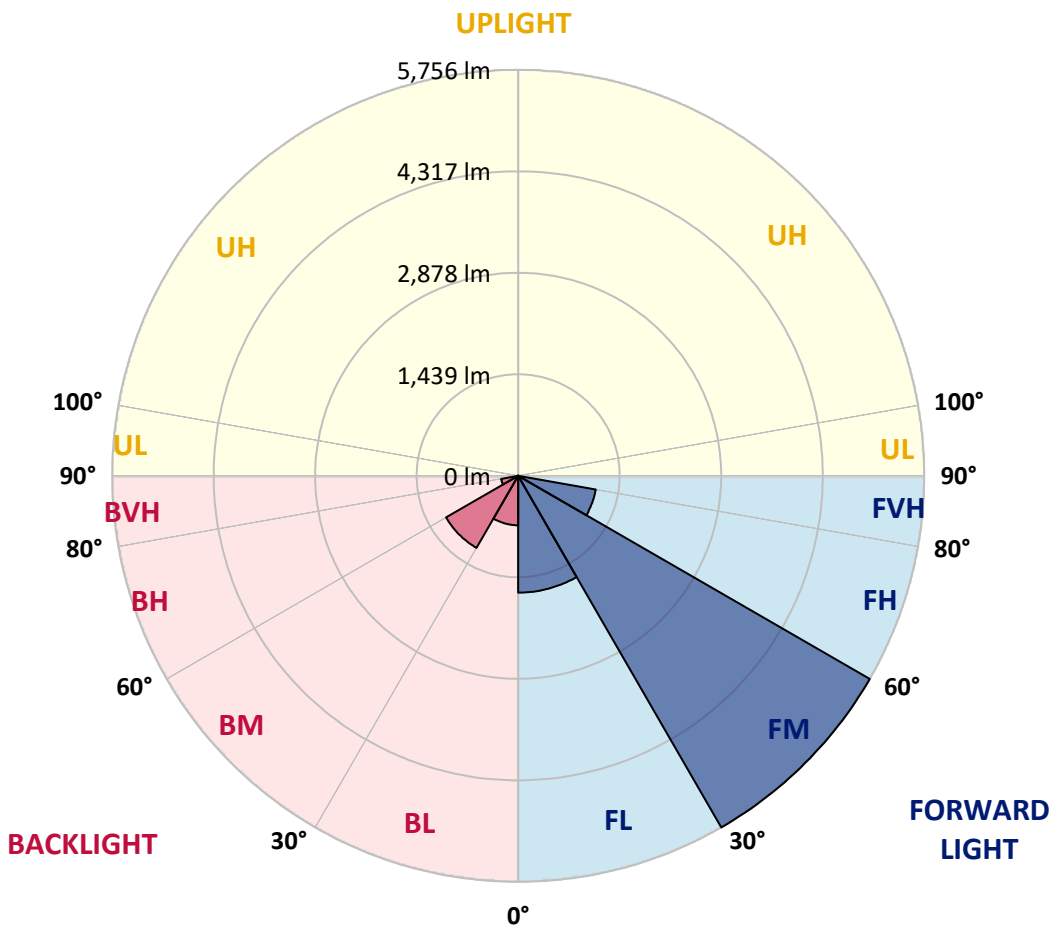
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1656.4	15.5			
FM (30°-60°)	5755.7	53.9			
FH (60°-80°)	1116.5	10.5			G1/1800
FVH (80°-90°)	9.7	0.1			G0/10
BL (0°-30°)	701.0	6.6	B2/1000		
BM (30°-60°)	1180.2	11.1	B2/2500		
BH (60°-80°)	245.6	2.3	B1/500		G1/500
BVH (80°-90°)	11.9	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°	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6
2.5°	5628.5	5541.7	5431.5	5340.4	5204.9	4931.6	4857.5	4768.5	4694.3	4594.8	4455.0
5°	5118.0	5090.5	5039.6	4696.5	4448.6	4118.1	3847.0	3732.6	3582.2	3459.3	3370.3
7.5°	4728.2	4618.1	4457.1	4111.8	3715.6	3361.9	3061.1	2885.2	2686.1	2618.3	2497.6
10°	4310.9	4336.3	4099.1	3614.0	3135.2	2849.2	2662.8	2493.3	2313.3	2194.6	2023.1
12.5°	4177.4	4094.8	3912.7	3313.1	2904.3	2637.4	2410.7	2201.0	2010.3	1819.7	1654.5
15°	4264.3	4137.2	3883.0	3249.6	2726.4	2393.8	2109.9	1826.0	1650.2	1406.6	1235.0
17.5°	4575.7	4474.0	4133.0	3317.4	2635.3	2160.7	1739.2	1446.9	1177.8	957.5	870.7
20°	5094.7	4950.7	4522.7	3404.2	2499.7	1879.0	1410.8	1050.7	796.5	703.3	654.6
22.5°	5603.1	5524.7	4984.6	3571.6	2378.9	1629.0	1059.2	707.5	595.3	578.3	546.5
25°	6571.2	6336.1	5690.0	3874.5	2285.7	1393.9	798.6	569.8	504.2	491.5	495.7
27.5°	7147.4	6950.4	6342.4	4075.8	2181.9	1213.8	675.8	523.2	478.8	451.2	440.6
30°	7700.3	7471.5	6666.5	4194.4	1959.5	1023.2	599.5	502.1	491.5	451.2	438.5
32.5°	8126.1	7901.6	7134.7	4372.3	1868.4	900.3	493.6	391.9	364.4	360.1	398.3
35°	8778.6	8539.2	7535.1	4469.8	1798.5	836.8	427.9	349.5	317.8	305.0	307.2
37.5°	9386.6	9223.4	7905.8	4507.9	1724.4	817.7	383.4	313.5	286.0	277.5	275.4
40°	9895.0	9530.6	8257.5	4548.2	1692.6	781.7	355.9	286.0	266.9	254.2	254.2
42.5°	10128.0	9757.3	8651.5	4524.9	1684.1	724.5	355.9	262.7	247.9	235.1	233.0
45°	10077.1	9926.7	8827.3	4514.3	1684.1	667.3	324.1	256.3	235.1	218.2	214.0
47.5°	10208.5	10011.5	9047.6	4558.8	1650.2	627.0	273.3	269.0	222.4	201.2	197.0
50°	10231.8	10269.9	9431.0	4789.7	1576.1	576.2	214.0	264.8	214.0	182.2	177.9
52°	10384.3	10147.1	9547.5	4912.5	1497.7	538.1	180.1	226.7	205.5	169.5	165.2
52.5°	10174.6	10329.2	9575.1	4957.0	1506.2	512.6	173.7	222.4	201.2	169.5	158.9
55°	9939.4	10087.7	9462.8	5052.3	1381.2	402.5	135.6	161.0	182.2	148.3	141.9
57.5°	8638.8	8789.2	8223.6	4626.5	1124.9	283.9	112.3	120.7	161.0	137.7	131.3
60°	7679.1	7571.1	6901.7	3859.7	798.6	158.9	89.0	93.2	175.8	127.1	125.0
62.5°	7018.2	6787.3	5768.4	2980.6	487.2	105.9	69.9	72.0	135.6	118.6	118.6
65°	5192.2	4933.7	3832.2	1802.7	239.4	74.1	53.0	57.2	84.7	101.7	101.7
67.5°	2963.6	2864.1	1851.5	813.5	99.6	46.6	40.2	44.5	65.7	82.6	78.4
70°	1362.1	1222.3	711.8	171.6	46.6	31.8	31.8	36.0	53.0	61.4	57.2
72.5°	398.3	377.1	173.7	27.5	19.1	19.1	21.2	27.5	40.2	46.6	42.4
75°	29.7	19.1	12.7	8.5	8.5	12.7	16.9	27.5	40.2	44.5	36.0
77.5°	2.1	4.2	2.1	2.1	6.4	12.7	19.1	33.9	53.0	55.1	40.2
80°	2.1	2.1	0.0	2.1	6.4	12.7	21.2	38.1	59.3	63.6	33.9
82.5°	0.0	0.0	0.0	2.1	8.5	16.9	25.4	40.2	55.1	67.8	36.0
85°	0.0	0.0	0.0	2.1	12.7	23.3	29.7	10.6	6.4	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°	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6
2.5°	4554.5	4499.4	4478.3	4497.3	4491.0	4484.6	4601.1	4575.7	4571.5	4609.6	4601.1
5°	3419.1	3321.6	3588.5	3480.5	3592.8	3660.6	3673.3	3679.6	3758.0	3675.4	3783.4
7.5°	2436.1	2461.6	2459.4	2531.5	2660.7	2775.1	2842.9	2789.9	2785.7	2775.1	2728.5
10°	1946.8	1902.3	1893.8	1876.9	1917.1	2014.6	2097.2	2031.5	1984.9	2048.5	2029.4
12.5°	1590.9	1529.5	1495.6	1427.8	1429.9	1495.6	1495.6	1495.6	1542.2	1578.2	1605.7
15°	1220.2	1169.3	1169.3	1101.6	1086.7	1088.8	1122.7	1127.0	1201.1	1222.3	1232.9
17.5°	853.7	826.2	857.9	885.5	868.5	872.8	885.5	889.7	900.3	891.8	913.0
20°	656.7	652.5	660.9	709.7	745.7	766.9	752.0	730.8	718.1	688.5	688.5
22.5°	557.1	565.6	580.4	620.7	667.3	680.0	663.1	614.3	576.2	572.0	574.1
25°	495.7	504.2	527.5	552.9	578.3	599.5	582.6	546.5	525.4	506.3	506.3
27.5°	457.6	461.8	474.5	493.6	514.8	531.7	525.4	506.3	483.0	474.5	455.5
30°	427.9	434.3	449.1	453.3	472.4	480.9	470.3	466.0	451.2	440.6	434.3
32.5°	413.1	411.0	421.6	425.8	427.9	434.3	421.6	427.9	425.8	408.8	402.5
35°	311.4	328.3	355.9	379.2	385.5	394.0	391.9	383.4	360.1	341.1	317.8
37.5°	279.6	290.2	305.0	324.1	349.5	360.1	355.9	334.7	307.2	294.5	290.2
40°	258.4	264.8	277.5	290.2	315.6	334.7	319.9	300.8	279.6	269.0	262.7
42.5°	239.4	241.5	247.9	260.6	279.6	309.3	283.9	258.4	250.0	243.6	239.4
45°	218.2	218.2	226.7	233.0	254.2	281.7	256.3	233.0	228.8	224.5	222.4
47.5°	201.2	203.4	207.6	216.1	233.0	252.1	235.1	216.1	205.5	203.4	199.1
50°	180.1	182.2	190.7	199.1	220.3	230.9	220.3	199.1	188.5	182.2	182.2
52°	163.1	169.5	177.9	194.9	209.7	226.7	214.0	190.7	177.9	171.6	167.4
52.5°	161.0	165.2	173.7	192.8	209.7	224.5	211.8	188.5	173.7	169.5	165.2
55°	144.0	150.4	165.2	188.5	207.6	224.5	207.6	186.4	165.2	154.6	150.4
57.5°	137.7	141.9	161.0	190.7	205.5	224.5	207.6	186.4	165.2	146.2	141.9
60°	131.3	139.8	161.0	184.3	203.4	226.7	209.7	184.3	161.0	137.7	137.7
62.5°	125.0	131.3	158.9	180.1	194.9	218.2	201.2	180.1	154.6	131.3	129.2
65°	108.0	118.6	139.8	150.4	167.4	188.5	171.6	156.8	135.6	116.5	114.4
67.5°	82.6	86.9	103.8	116.5	127.1	146.2	137.7	118.6	103.8	89.0	89.0
70°	57.2	61.4	74.1	80.5	91.1	101.7	95.3	80.5	69.9	61.4	59.3
72.5°	40.2	42.4	46.6	50.8	55.1	59.3	57.2	46.6	40.2	38.1	36.0
75°	31.8	36.0	38.1	36.0	33.9	31.8	31.8	27.5	23.3	21.2	21.2
77.5°	31.8	33.9	31.8	27.5	23.3	21.2	19.1	16.9	12.7	10.6	12.7
80°	27.5	27.5	27.5	23.3	21.2	19.1	16.9	14.8	12.7	10.6	10.6
82.5°	29.7	29.7	27.5	23.3	23.3	19.1	19.1	16.9	14.8	10.6	10.6
85°	0.0	0.0	0.0	4.2	10.6	19.1	19.1	16.9	14.8	12.7	12.7
87.5°	0.0	0.0	0.0	0.0	2.1	4.2	8.5	10.6	12.7	12.7	12.7
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°	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6
2.5°	4677.4	4757.9	4910.4	5062.9	5156.1	5266.3	5465.4	5571.3	5709.0	5776.8	5910.3
5°	3768.6	3959.3	4027.0	4200.8	4387.2	4573.6	4870.2	5196.4	5467.5	5654.0	5895.5
7.5°	2749.7	2794.1	3056.8	3173.3	3478.4	3817.3	4221.9	4632.9	4976.1	5281.1	5465.4
10°	2061.2	2224.3	2389.5	2612.0	2857.7	3207.2	3594.9	4048.2	4493.1	4798.1	5031.2
12.5°	1656.6	1785.8	2006.1	2245.5	2548.4	2779.3	3169.1	3618.2	4194.4	4493.1	4800.3
15°	1254.1	1419.3	1669.3	1917.1	2237.0	2480.6	2874.6	3440.3	4181.7	4592.7	4857.5
17.5°	930.0	1042.2	1266.8	1544.3	1870.5	2213.7	2745.4	3421.2	4323.6	4813.0	5086.2
20°	711.8	749.9	891.8	1139.7	1493.5	1942.6	2535.7	3503.8	4743.1	5348.9	5626.4
22.5°	576.2	593.1	648.2	819.8	1163.0	1705.3	2436.1	3561.0	5215.5	5990.8	6361.5
25°	502.1	497.8	533.8	608.0	908.8	1482.9	2309.0	3777.1	5793.8	6744.9	7077.5
27.5°	457.6	457.6	474.5	527.5	754.1	1338.8	2228.5	3931.7	6376.3	7408.0	7588.0
30°	434.3	438.5	487.2	504.2	627.0	1167.2	2095.1	4088.5	6933.5	7831.7	8079.5
32.5°	402.5	385.5	375.0	417.3	527.5	1012.6	1961.6	4154.1	7384.7	8350.7	8562.5
35°	309.3	300.8	313.5	345.3	453.3	881.2	1813.3	4228.3	7903.7	8952.3	8994.7
37.5°	279.6	277.5	286.0	313.5	381.3	766.9	1707.4	4209.2	8299.8	9450.1	9335.7
40°	258.4	258.4	264.8	288.1	341.1	686.4	1597.3	4192.3	8683.2	10009.4	9674.7
42.5°	241.5	241.5	252.1	266.9	324.1	633.4	1514.6	4169.0	9005.2	10352.5	9873.8
45°	218.2	224.5	241.5	256.3	328.3	597.4	1453.2	4080.0	9115.4	10348.3	9778.5
47.5°	201.2	209.7	226.7	247.9	296.6	586.8	1410.8	4001.6	9077.3	10094.1	9479.8
50°	182.2	192.8	216.1	252.1	252.1	565.6	1366.4	4071.5	9049.7	9897.1	9193.8
52°	169.5	177.9	207.6	245.7	220.3	521.1	1338.8	4207.1	9162.0	9871.7	9066.7
52.5°	167.4	173.7	201.2	241.5	209.7	512.6	1319.8	4238.9	9198.0	9808.1	9153.5
55°	148.3	156.8	184.3	188.5	171.6	421.6	1258.3	4310.9	9020.1	9683.1	9070.9
57.5°	139.8	144.0	163.1	154.6	148.3	317.8	1082.5	4198.6	8011.7	8600.6	8439.6
60°	129.2	133.5	152.5	120.7	125.0	222.4	813.5	3645.7	6433.5	7166.5	7456.7
62.5°	125.0	122.9	144.0	97.4	105.9	161.0	574.1	2963.6	4957.0	5899.7	6401.8
65°	110.2	108.0	103.8	82.6	91.1	125.0	343.2	1934.1	3493.2	4463.4	4738.8
67.5°	84.7	89.0	76.3	65.7	76.3	97.4	190.7	866.4	1832.4	2677.6	2900.1
70°	59.3	63.6	61.4	57.2	67.8	80.5	110.2	296.6	758.4	1406.6	1550.7
72.5°	36.0	44.5	46.6	48.7	59.3	69.9	78.4	95.3	201.2	497.8	618.6
75°	21.2	29.7	36.0	42.4	48.7	59.3	65.7	67.8	69.9	93.2	150.4
77.5°	14.8	21.2	31.8	40.2	48.7	59.3	69.9	74.1	69.9	65.7	69.9
80°	12.7	21.2	29.7	38.1	50.8	61.4	69.9	69.9	67.8	59.3	63.6
82.5°	12.7	21.2	31.8	40.2	48.7	59.3	67.8	69.9	63.6	59.3	61.4
85°	14.8	23.3	33.9	42.4	53.0	48.7	44.5	36.0	33.9	27.5	29.7
87.5°	14.8	21.2	21.2	23.3	25.4	25.4	25.4	23.3	19.1	16.9	16.9
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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CATALOG NUMBER: GLAN-SA3D-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6	5414.6
2.5°	5916.6	6086.1	6079.8	6084.0	6058.6	5887.0	5804.4	5594.6	5654.0	5628.5
5°	6143.3	6310.7	6454.7	6437.8	6242.9	6009.9	5664.6	5338.3	5249.4	5118.0
7.5°	5916.6	6319.1	6452.6	6433.5	6145.4	5846.7	5296.0	4969.7	4815.1	4728.2
10°	5556.5	6022.6	6187.8	6221.7	6026.8	5573.5	5067.2	4543.9	4461.3	4310.9
12.5°	5351.0	5690.0	5791.7	5882.7	5815.0	5476.0	4893.5	4391.4	4277.0	4177.4
15°	5183.7	5384.9	5427.3	5531.1	5571.3	5389.2	4984.6	4556.6	4274.9	4264.3
17.5°	5338.3	5255.7	5101.1	5132.8	5259.9	5391.3	5219.7	4882.9	4609.6	4575.7
20°	5594.6	5230.3	4880.8	4959.1	5065.1	5467.5	5575.6	5338.3	5181.6	5094.7
22.5°	5889.1	5274.8	4810.8	4849.0	5050.2	5639.1	6151.8	6020.4	5728.1	5603.1
25°	6433.5	5397.6	4865.9	4891.3	5166.7	5878.5	6672.9	6770.3	6596.6	6571.2
27.5°	6965.2	5715.4	4986.7	4929.5	5226.0	6111.5	6988.5	7511.8	7206.7	7147.4
30°	7236.4	5973.8	5166.7	5069.3	5471.8	6253.5	7179.2	7994.8	7727.9	7700.3
32.5°	7651.6	6209.0	5306.5	5181.6	5609.5	6429.3	7535.1	8522.3	8263.8	8126.1
35°	7825.3	6465.3	5613.7	5467.5	6003.5	6675.0	7717.3	8992.5	8912.0	8778.6
37.5°	8160.0	6740.7	5976.0	5967.5	6480.1	6994.9	8045.6	9632.3	9617.5	9386.6
40°	8187.5	7041.5	6547.9	6814.8	7217.3	7552.0	8333.7	9810.2	10051.7	9895.0
42.5°	8229.9	7569.0	7537.2	7757.5	8102.8	8030.8	8344.3	9852.6	10221.2	10128.0
45°	8249.0	8096.5	8543.4	8950.2	9094.2	8657.8	8244.7	9772.1	10310.2	10077.1
47.5°	8096.5	8549.8	9356.9	10142.8	10185.2	9043.4	8202.4	9689.5	10363.1	10208.5
50°	8117.6	8833.7	10060.2	10763.5	10608.9	9384.4	8136.7	9638.6	10335.6	10231.8
52°	8066.8	8840.0	10159.8	10750.8	10642.8	9195.9	8024.4	9443.7	10310.2	10384.3
52.5°	8124.0	8801.9	10056.0	10759.3	10619.4	9289.1	8009.6	9551.8	10325.0	10174.6
55°	7927.0	8348.5	9448.0	9746.7	9725.5	8431.2	7554.2	9193.8	9937.3	9939.4
57.5°	7164.4	7236.4	7410.1	7403.7	7306.3	6628.4	6461.1	8454.5	8859.1	8638.8
60°	6312.8	5298.1	4829.9	4639.3	4531.2	4421.1	5715.4	7734.2	7772.3	7679.1
62.5°	5454.8	3673.3	3050.5	2997.5	3022.9	3425.4	5524.7	7448.2	7219.4	7018.2
65°	4402.0	2677.6	2215.8	2145.9	2393.8	2828.0	4471.9	5711.2	5359.5	5192.2
67.5°	2764.5	1953.1	1497.7	1366.4	1665.0	1946.8	2938.2	3588.5	3194.5	2963.6
70°	1639.6	1091.0	677.9	608.0	684.2	1038.0	1646.0	1790.0	1480.7	1362.1
72.5°	646.1	400.4	188.5	161.0	167.4	364.4	605.9	591.0	447.0	398.3
75°	173.7	120.7	65.7	53.0	44.5	67.8	97.4	63.6	23.3	29.7
77.5°	80.5	72.0	57.2	44.5	33.9	25.4	12.7	4.2	4.2	2.1
80°	69.9	61.4	53.0	44.5	33.9	21.2	10.6	2.1	2.1	2.1
82.5°	65.7	57.2	48.7	40.2	31.8	21.2	10.6	2.1	0.0	0.0
85°	27.5	36.0	40.2	38.1	33.9	21.2	10.6	2.1	0.0	0.0
87.5°	14.8	12.7	10.6	8.5	6.4	4.2	4.2	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)