

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: P533308

Luminaire Tested: **GLAN-SA8D-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38908 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

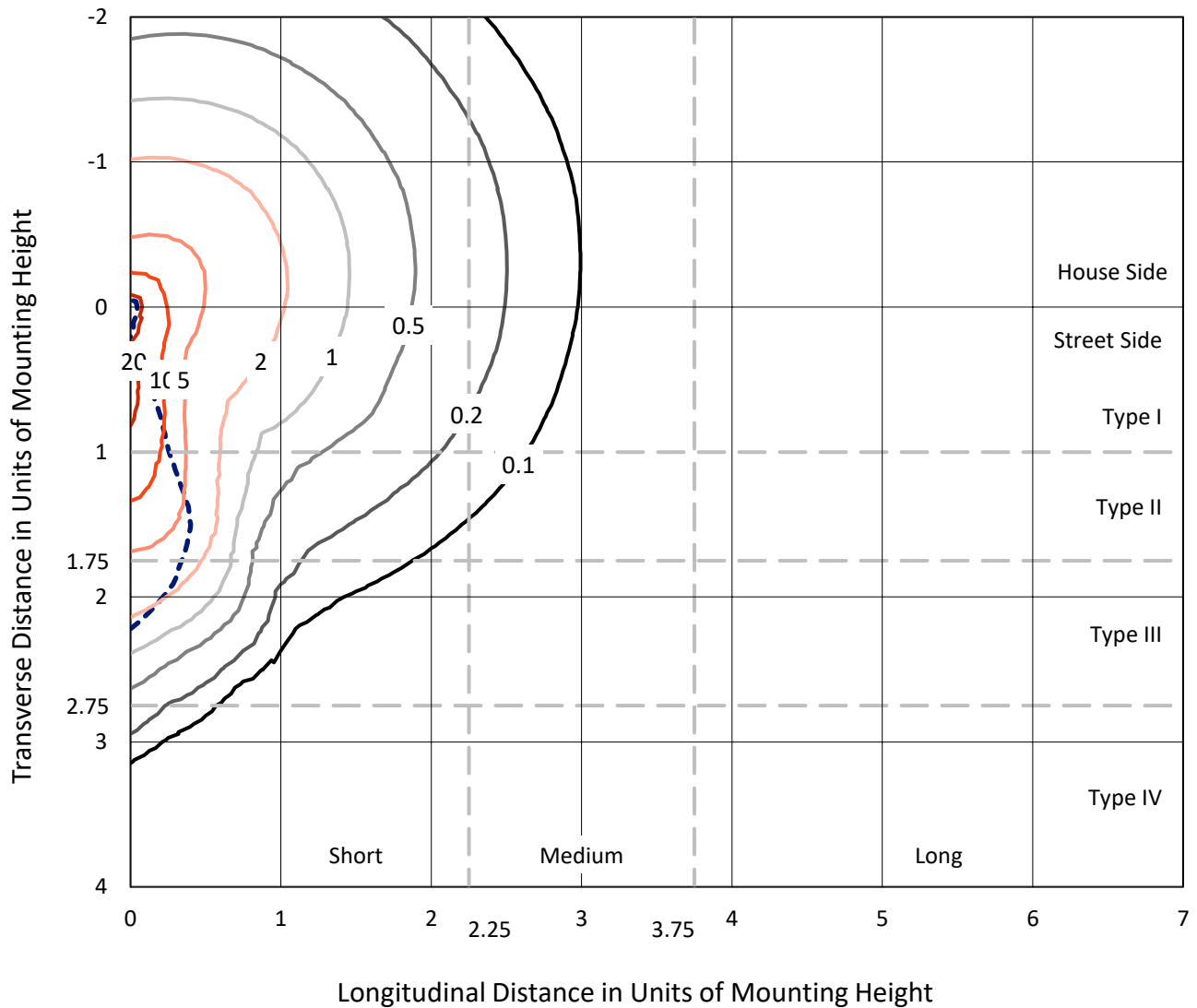
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

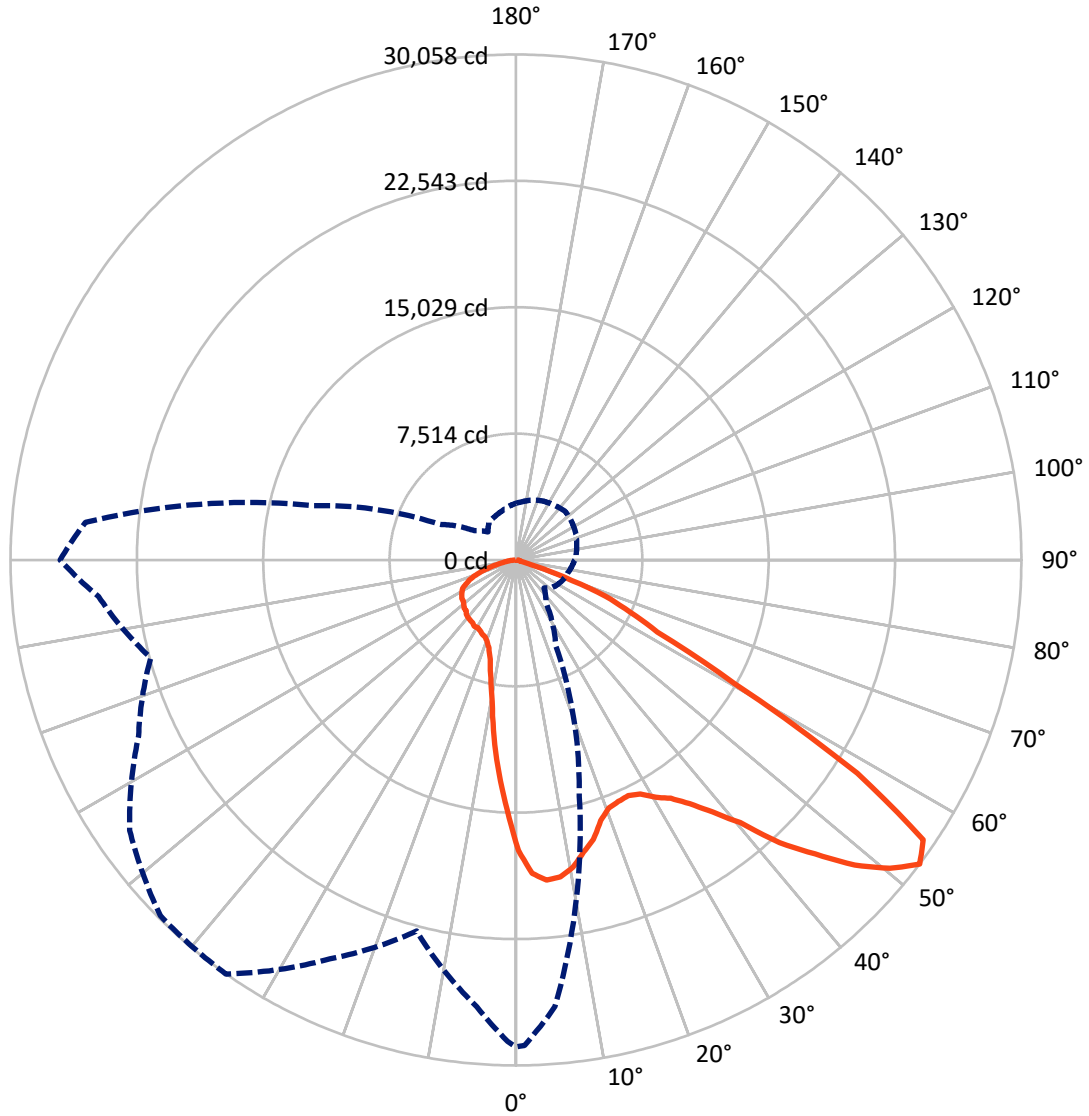
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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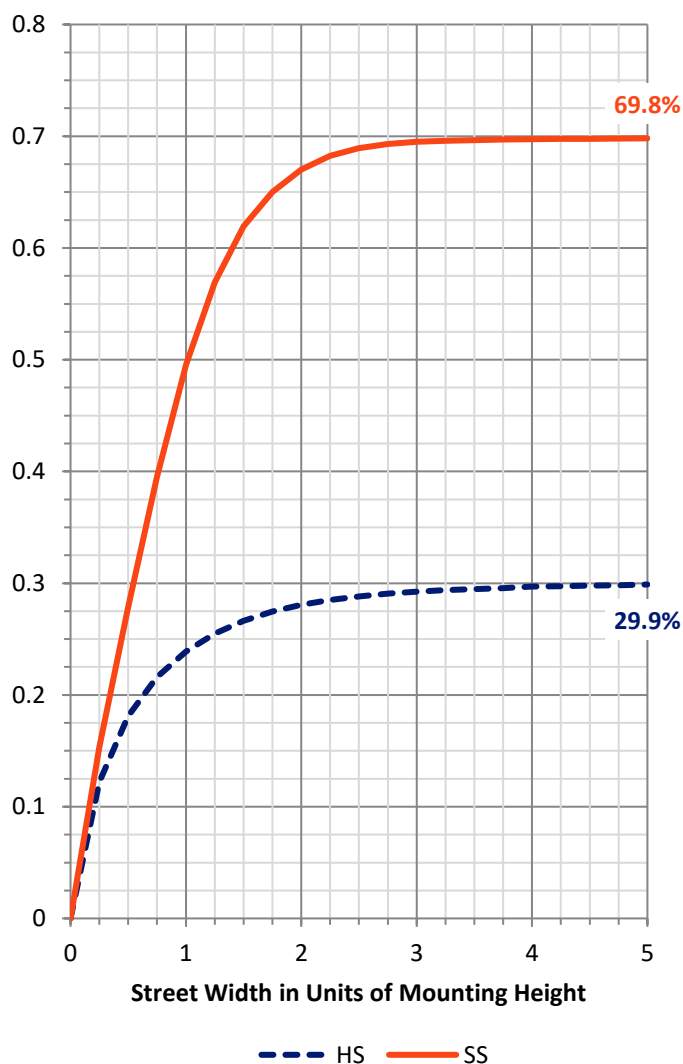
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11729.1	0.0	11729.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	27178.9	0.0	27178.9
	% Fixture	69.9	0.0	69.9
Total	Lumens	38908.0	0.0	38908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1317.4	3.4
10°-20°	2855.9	7.3
20°-30°	4315.0	11.1
30°-40°	6235.3	16.0
40°-50°	8298.1	21.3
50°-60°	9281.6	23.9
60°-70°	5231.1	13.4
70°-80°	1166.1	3.0
80°-90°	207.6	0.5
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°	38908.0	100.0
0°-180°	38908.0	100.0

Coefficient of Utilization



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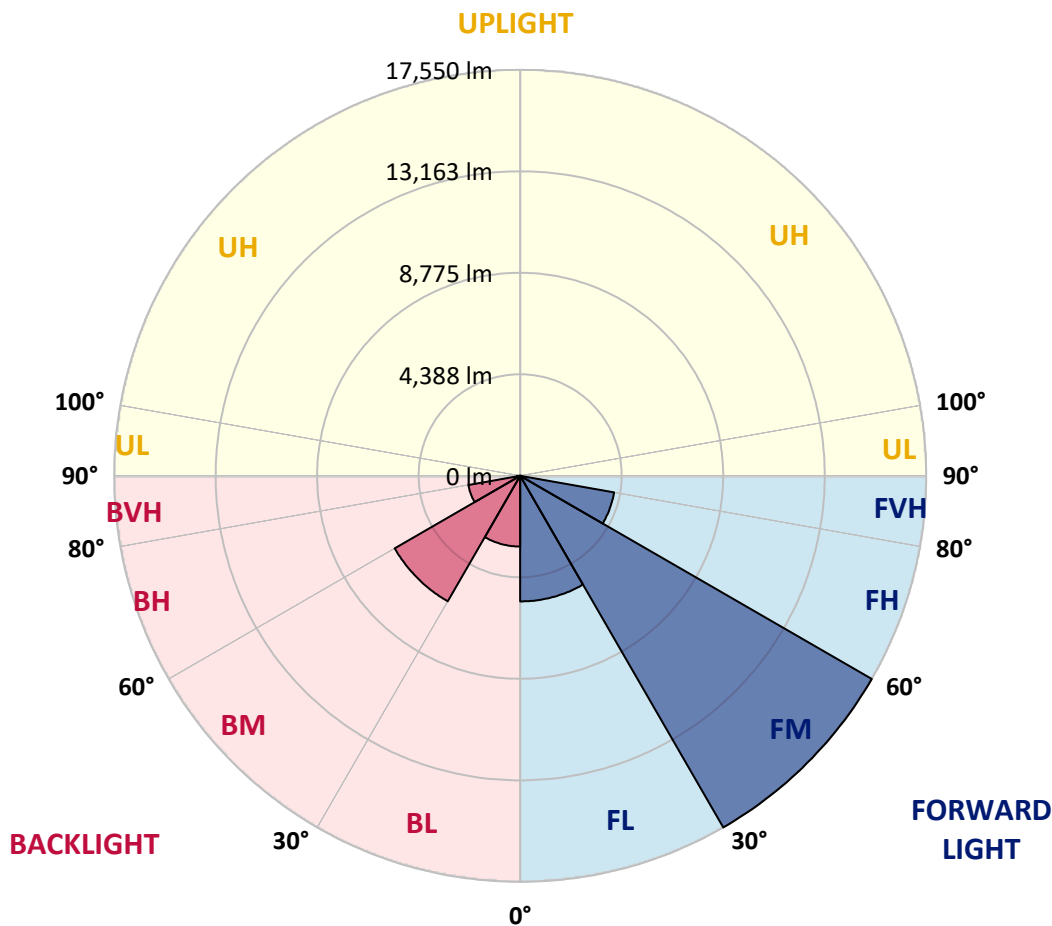
CATALOG NUMBER: GLAN-SA8D-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5429.5	14.0			
FM (30°-60°)	17550.5	45.1			
FH (60°-80°)	4123.7	10.6			G2/5000
FVH (80°-90°)	75.2	0.2			G1/100
BL (0°-30°)	3058.7	7.9	B4/5000		
BM (30°-60°)	6264.5	16.1	B4/8500		
BH (60°-80°)	2273.5	5.8	B3/2500		G3/2500
BVH (80°-90°)	132.4	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6
2.5°	17555.2	17837.2	17532.7	16991.3	16607.8	16258.2	15891.6	15818.3	15339.0	15254.4	14904.7
5°	16557.1	16495.0	16122.8	15412.3	14628.4	13917.9	13393.4	12885.9	12541.9	12141.5	12113.3
7.5°	15344.6	14983.7	14769.4	13692.3	12722.3	11605.7	11126.4	10353.8	10111.3	9750.4	9564.3
10°	14261.8	13996.8	13494.9	12417.8	11064.4	10325.6	9812.4	9395.1	9113.1	8741.0	8272.9
12.5°	13726.1	13619.0	13055.0	11385.8	10382.0	9592.5	9231.6	8825.5	8346.2	7748.4	7517.2
15°	13822.0	13461.1	13032.5	11188.4	9801.1	9039.8	8464.6	7957.1	7342.4	6772.8	6440.1
17.5°	14538.2	14261.8	13404.7	11312.5	9581.2	8481.5	7438.3	6688.2	6135.6	5622.4	5391.2
20°	15948.0	15547.6	14583.3	11470.4	9107.5	7703.3	6507.8	5582.9	4990.8	4720.1	4641.2
22.5°	17510.1	17273.2	15733.7	11825.7	8729.7	6981.5	5520.9	4596.0	4376.1	4302.8	4449.4
25°	19410.6	18795.9	17521.4	12406.5	8436.4	6366.8	4686.3	4173.1	4060.3	4133.6	4302.8
27.5°	20854.2	20690.7	18773.3	12953.5	8036.0	5628.0	4218.2	3879.9	3913.7	3987.0	4144.9
30°	22568.6	21739.6	19985.8	13331.4	7675.1	5120.5	3891.1	3800.9	3834.7	3958.8	4037.8
32.5°	23600.6	23290.4	20747.1	13900.9	7257.8	4680.6	3637.4	3552.8	3603.5	3789.6	3975.7
35°	24914.5	24299.8	21688.8	14047.6	6964.6	4505.8	3456.9	3394.9	3513.3	3643.0	3851.7
37.5°	26448.4	26025.5	22991.5	13946.0	6806.7	4325.4	3304.6	3276.4	3361.0	3541.5	3784.0
40°	27356.4	27226.7	23673.9	14008.1	6558.5	4167.5	3129.8	3163.7	3338.5	3479.5	3716.3
42.5°	28230.5	27384.6	24683.3	13985.5	6400.6	3953.2	3146.7	3107.3	3242.6	3406.2	3631.7
45°	28422.2	27581.9	24920.2	13827.6	6208.9	3744.5	3017.0	3034.0	3197.5	3400.5	3547.1
47.5°	28298.1	27677.8	25360.0	13782.5	6028.4	3597.9	2825.3	3028.3	3124.2	3287.7	3496.4
50°	28213.5	28179.7	25732.2	13996.8	5785.9	3366.7	2594.1	2955.0	3050.9	3214.4	3440.0
52.5°	28957.9	28884.6	26662.7	14560.7	5594.2	3118.5	2357.2	2768.9	3000.1	3158.0	3378.0
55°	29409.1	29087.6	28258.7	15254.4	5272.8	2791.5	2193.7	2537.7	2876.1	3017.0	3242.6
57.5°	26454.1	26234.1	25563.1	14239.3	4731.4	2362.9	1990.7	2300.8	2706.9	2926.8	3158.0
60°	22010.3	21666.3	19946.3	12102.0	3490.7	1838.4	1866.6	2114.7	2661.8	2746.4	3017.0
62.5°	20752.7	19901.2	17560.9	9739.1	2678.7	1579.0	1674.9	1945.6	2424.9	2565.9	2836.6
65°	16466.8	15835.2	12564.4	7032.2	1793.3	1370.4	1528.3	1753.8	2092.2	2368.5	2616.6
67.5°	10308.7	9705.3	6705.2	3327.2	1251.9	1173.0	1364.7	1601.6	1877.9	2126.0	2402.4
70°	5385.6	4725.8	3096.0	1201.2	862.8	958.7	1139.1	1364.7	1635.4	1838.4	2052.7
72.5°	2007.6	1629.8	1009.4	518.8	597.8	733.1	924.8	1088.4	1280.1	1528.3	1646.7
75°	310.2	265.0	259.4	315.8	406.0	530.1	659.8	823.3	992.5	1150.4	1229.4
77.5°	146.6	141.0	157.9	208.7	270.7	377.8	479.3	637.2	772.6	874.1	919.2
80°	95.9	90.2	101.5	141.0	203.0	282.0	383.5	490.6	614.7	699.3	688.0
82.5°	56.4	62.0	62.0	95.9	141.0	203.0	276.3	372.2	456.8	530.1	485.0
85°	33.8	28.2	28.2	56.4	95.9	163.5	231.2	157.9	163.5	163.5	186.1
87.5°	11.3	11.3	11.3	5.6	11.3	11.3	16.9	28.2	33.8	39.5	50.8
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°	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6
2.5°	14893.5	15068.3	15006.2	14786.3	14955.5	14983.7	14870.9	15260.0	15333.3	15214.9	15248.7
5°	12073.8	12118.9	12220.4	12434.7	12587.0	12767.4	12767.4	12778.7	12626.4	13009.9	12897.1
7.5°	9406.4	9434.6	9553.0	10009.8	10139.5	10483.5	10630.1	10528.6	10224.1	10094.4	10201.5
10°	8120.6	7957.1	7917.6	7974.0	8267.2	8413.9	8537.9	8504.1	8453.3	8351.8	8239.1
12.5°	7263.4	7145.0	7049.2	6913.8	6930.7	7071.7	7167.6	7088.6	7111.2	7133.7	7167.6
15°	6333.0	6248.4	6197.6	5994.6	5972.0	6067.9	6101.7	6146.9	6231.5	6237.1	6197.6
17.5°	5346.1	5272.8	5385.6	5498.3	5419.4	5425.0	5487.1	5526.5	5504.0	5402.5	5351.7
20°	4669.4	4748.3	4861.1	4968.2	5052.8	5103.6	5126.1	5064.1	4990.8	4782.1	4776.5
22.5°	4472.0	4573.5	4669.4	4832.9	4911.9	5041.6	4923.1	4782.1	4680.6	4579.1	4460.7
25°	4325.4	4410.0	4601.7	4663.7	4816.0	4923.1	4838.5	4697.6	4522.7	4376.1	4285.9
27.5°	4218.2	4314.1	4438.1	4607.3	4725.8	4787.8	4703.2	4646.8	4466.3	4291.5	4161.8
30°	4150.5	4252.1	4477.6	4618.6	4720.1	4770.9	4624.2	4556.6	4426.9	4280.2	4167.5
32.5°	4105.4	4195.7	4387.4	4567.9	4635.5	4635.5	4658.1	4579.1	4398.7	4150.5	4054.7
35°	3958.8	4082.9	4240.8	4449.4	4573.5	4646.8	4534.0	4443.8	4325.4	4071.6	3896.8
37.5°	3874.2	3958.8	4161.8	4359.2	4466.3	4545.3	4500.2	4342.3	4184.4	3975.7	3834.7
40°	3784.0	3919.3	4099.8	4285.9	4404.3	4483.3	4449.4	4263.3	4071.6	3874.2	3778.3
42.5°	3722.0	3812.2	3998.3	4206.9	4347.9	4500.2	4398.7	4167.5	4032.1	3761.4	3654.3
45°	3671.2	3817.8	4015.2	4099.8	4246.4	4404.3	4223.9	4082.9	3925.0	3727.6	3637.4
47.5°	3609.2	3744.5	3874.2	4099.8	4167.5	4240.8	4206.9	3981.4	3846.0	3631.7	3569.7
50°	3586.6	3637.4	3874.2	3998.3	4094.1	4167.5	4077.2	3908.1	3778.3	3558.4	3423.1
52.5°	3496.4	3592.2	3744.5	3908.1	4026.5	4116.7	3970.1	3862.9	3688.1	3456.9	3372.3
55°	3383.6	3440.0	3710.7	3879.9	3941.9	4003.9	3947.5	3772.7	3592.2	3355.4	3270.8
57.5°	3237.0	3366.7	3586.6	3823.5	3902.4	3936.2	3846.0	3705.0	3479.5	3270.8	3135.5
60°	3084.7	3220.1	3462.5	3654.3	3733.2	3857.3	3722.0	3637.4	3378.0	3146.7	3000.1
62.5°	2932.4	3084.7	3265.2	3507.7	3575.3	3626.1	3592.2	3473.8	3265.2	3005.8	2825.3
65°	2752.0	2864.8	3090.3	3214.4	3259.5	3378.0	3259.5	3214.4	3028.3	2780.2	2627.9
67.5°	2481.3	2577.2	2774.5	2893.0	2926.8	2977.6	2971.9	2921.2	2712.5	2543.3	2408.0
70°	2171.1	2255.7	2379.8	2520.8	2537.7	2599.7	2543.3	2532.1	2396.7	2165.5	2092.2
72.5°	1742.6	1821.5	1985.0	2047.1	2052.7	2075.3	2047.1	2007.6	1973.8	1731.3	1658.0
75°	1336.5	1381.6	1460.6	1517.0	1517.0	1545.2	1528.3	1488.8	1398.6	1246.3	1173.0
77.5°	930.5	975.6	1077.1	1110.9	1105.3	1116.6	1065.8	1026.4	891.0	812.1	750.0
80°	676.7	704.9	755.7	778.2	783.9	800.8	738.8	704.9	626.0	535.7	507.5
82.5°	490.6	507.5	513.2	541.4	541.4	513.2	496.3	462.4	406.0	349.6	327.1
85°	203.0	208.7	214.3	248.1	253.8	304.5	282.0	265.0	231.2	197.4	180.5
87.5°	50.8	56.4	73.3	62.0	73.3	73.3	79.0	90.2	90.2	73.3	73.3
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°	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6
2.5°	15378.4	15423.6	15998.8	16072.1	16354.0	16641.6	17222.5	17639.8	17978.2	18198.1	18260.1
5°	13015.6	13303.2	13568.2	13996.8	14385.9	14938.6	15575.8	16365.3	17357.8	17865.4	18068.4
7.5°	10190.3	10528.6	10912.1	11329.4	11899.0	12891.5	13743.0	14656.6	15925.5	16449.9	17245.1
10°	8318.0	8695.8	9203.4	9524.8	10212.8	11160.2	12152.7	13207.3	14419.8	15175.4	16094.6
12.5°	7353.7	7663.8	8131.9	8808.6	9321.8	9936.5	10675.2	12006.1	13743.0	14459.2	15090.8
15°	6287.8	6631.8	7173.2	7923.2	8537.9	9271.0	10100.0	11549.3	13399.0	14504.3	15040.1
17.5°	5408.1	5656.2	6225.8	6874.3	7579.3	8380.0	9569.9	11526.8	13760.0	15175.4	16049.5
20°	4799.1	4832.9	5143.1	5695.7	6654.4	7697.7	9242.9	11414.0	14916.0	16331.5	17436.8
22.5°	4415.6	4381.8	4387.4	4855.5	5526.5	7026.6	8729.7	11797.5	16230.0	18169.9	18914.3
25°	4223.9	4133.6	4077.2	4178.7	4787.8	6231.5	8340.6	12305.0	17645.4	19686.9	20600.4
27.5°	4122.3	3964.4	3851.7	3868.6	4314.1	5831.1	8098.1	12524.9	19049.6	21801.6	22123.1
30°	4082.9	3885.5	3722.0	3665.6	3958.8	5272.8	7579.3	12902.8	20307.2	22963.3	23239.7
32.5°	3941.9	3699.4	3541.5	3490.7	3609.2	4782.1	7207.1	13173.5	21418.2	24226.5	24130.7
35°	3778.3	3575.3	3378.0	3282.1	3366.7	4466.3	6908.2	13043.8	22726.5	25207.8	25157.0
37.5°	3761.4	3496.4	3332.8	3174.9	3169.3	4077.2	6502.1	13167.8	23561.1	26967.2	26273.6
40°	3614.8	3445.6	3231.3	3101.6	3028.3	3879.9	6107.4	12874.6	24784.8	27677.8	26995.4
42.5°	3620.4	3366.7	3180.6	3028.3	2955.0	3592.2	5836.7	12795.6	25213.4	28833.9	27333.8
45°	3530.2	3282.1	3124.2	2943.7	2904.3	3372.3	5577.3	12429.1	25969.1	28890.3	26910.9
47.5°	3440.0	3220.1	3050.9	2836.6	2746.4	3293.4	5374.3	12124.5	25574.3	28360.2	26324.4
50°	3378.0	3124.2	2966.3	2814.0	2560.3	3158.0	5109.2	12051.2	25021.7	27644.0	25236.0
52.5°	3270.8	3045.2	2881.7	2763.3	2357.2	3034.0	5007.7	12479.8	25698.4	27108.2	24920.2
55°	3169.3	2938.1	2729.4	2498.2	2188.1	2706.9	4725.8	12880.2	26685.3	28343.2	26352.6
57.5°	3062.2	2842.2	2616.6	2340.3	2024.5	2368.5	4432.5	12953.5	24835.6	26194.7	25016.0
60°	2921.2	2639.2	2470.0	2109.1	1849.7	1962.5	3513.3	11419.6	19263.9	21874.9	21914.4
62.5°	2763.3	2458.7	2312.1	1889.2	1669.2	1691.8	2864.8	9598.1	15626.6	18107.9	19185.0
65°	2554.6	2261.4	2086.5	1748.2	1539.5	1466.2	2097.8	7032.2	11870.8	14690.4	15914.2
67.5°	2283.9	2007.6	1787.7	1522.6	1376.0	1257.6	1432.4	3958.8	7009.7	9863.2	10235.4
70°	1996.3	1759.5	1528.3	1308.3	1144.8	1060.2	1048.9	1753.8	3349.8	5306.6	6039.7
72.5°	1573.4	1404.2	1218.1	1054.6	947.4	823.3	750.0	727.5	1133.5	2159.9	2983.2
75°	1127.9	986.9	879.7	772.6	693.6	626.0	569.6	518.8	473.7	541.4	744.4
77.5°	710.6	659.8	575.2	547.0	501.9	485.0	462.4	434.2	400.4	377.8	377.8
80°	479.3	445.5	417.3	411.7	394.8	389.1	394.8	366.6	332.7	304.5	315.8
82.5°	321.4	315.8	310.2	304.5	310.2	315.8	327.1	321.4	293.2	276.3	282.0
85°	191.7	203.0	214.3	225.6	248.1	219.9	180.5	152.3	135.3	124.1	118.4
87.5°	73.3	101.5	90.2	84.6	90.2	84.6	79.0	73.3	62.0	56.4	56.4
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: P533308

CATALOG NUMBER: GLAN-SA8D-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6	17267.6
2.5°	18671.8	18784.6	18880.5	18857.9	18660.5	18395.5	18288.3	17741.3	17628.5	17555.2
5°	18925.6	19579.7	19720.7	19636.1	19122.9	18474.4	17842.8	17042.0	16574.0	16557.1
7.5°	18457.5	19263.9	19517.7	19709.4	19027.1	17899.2	16816.5	15615.3	15322.0	15344.6
10°	17267.6	18553.4	19179.3	19376.7	18592.9	17617.2	16117.2	14899.1	14273.1	14261.8
12.5°	16607.8	17617.2	17792.1	18068.4	17837.2	16850.3	15711.2	14346.4	13737.4	13726.1
15°	16021.3	16686.8	16737.5	17126.6	17250.7	16585.3	15818.3	14363.4	13872.7	13822.0
17.5°	16534.5	16072.1	15880.3	15931.1	16297.6	16540.1	16438.6	15322.0	14820.1	14538.2
20°	16878.5	15846.5	15265.6	15322.0	15756.3	16641.6	17363.5	16709.3	15914.2	15948.0
22.5°	17797.7	15880.3	14972.4	14910.4	15598.4	17171.7	18406.8	18463.1	17696.2	17510.1
25°	19173.7	16269.4	14882.2	14865.3	15525.1	17741.3	19624.8	20538.4	19754.6	19410.6
27.5°	20279.0	16878.5	15164.1	15220.5	15756.3	18203.7	20662.5	21874.9	21277.2	20854.2
30°	21249.0	17510.1	15558.9	15299.5	16376.6	18446.2	21108.0	23397.6	22918.2	22568.6
32.5°	21649.4	18406.8	16184.9	15756.3	16889.8	18739.5	22032.8	24875.1	24463.4	23600.6
35°	22326.1	18908.7	16523.2	16489.4	17786.4	19444.4	22467.1	25850.7	25681.5	24914.5
37.5°	22867.5	19416.2	17724.4	17352.2	19015.8	20628.6	23166.3	27198.5	26809.3	26448.4
40°	23284.8	20324.1	18846.6	19337.2	20527.1	21705.8	23809.2	27283.0	28405.3	27356.4
42.5°	22901.3	21136.2	20690.7	21863.7	22991.5	22935.1	23882.5	27937.2	28777.5	28230.5
45°	22805.4	22512.2	23606.2	24672.0	24931.5	23955.8	23358.1	27215.4	28664.7	28422.2
47.5°	22574.2	23865.6	25771.7	27508.6	27113.9	24638.2	22732.1	27085.7	28732.4	28298.1
50°	22495.3	24158.9	27373.3	29065.1	28828.2	25230.3	22438.9	26251.1	28253.0	28213.5
52.5°	22489.6	24762.3	28038.7	29911.0	30057.6	26166.5	22839.3	26674.0	28625.2	28957.9
55°	22743.4	24570.5	27954.1	29442.9	29386.5	25749.2	22884.4	26956.0	29082.0	29409.1
57.5°	21452.0	22010.3	23070.5	24249.1	23944.6	21327.9	20436.9	24920.2	26690.9	26454.1
60°	18525.2	16777.0	15581.5	15525.1	14932.9	14115.2	16726.2	22241.5	22241.5	22010.3
62.5°	16224.3	11013.6	9462.8	9022.9	9445.9	10387.6	16134.1	21632.4	21017.8	20752.7
65°	14188.5	8408.2	6840.5	6716.4	7449.5	8870.7	14588.9	18429.3	17346.6	16466.8
67.5°	9130.1	6158.1	5086.7	4866.7	5752.1	6513.4	9710.9	11335.0	10652.7	10308.7
70°	5887.5	4009.6	2830.9	2656.1	3000.1	4015.2	6203.3	6609.3	5616.8	5385.6
72.5°	2785.8	1731.3	992.5	817.7	919.2	1533.9	2453.1	2639.2	2193.7	2007.6
75°	885.4	637.2	406.0	349.6	332.7	394.8	563.9	434.2	315.8	310.2
77.5°	394.8	377.8	321.4	270.7	236.9	197.4	163.5	135.3	141.0	146.6
80°	327.1	298.9	265.0	236.9	197.4	152.3	118.4	90.2	90.2	95.9
82.5°	287.6	259.4	231.2	197.4	169.2	124.1	90.2	62.0	56.4	56.4
85°	124.1	146.6	157.9	169.2	135.3	101.5	62.0	39.5	33.8	33.8
87.5°	50.8	45.1	39.5	33.8	28.2	28.2	22.6	16.9	11.3	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)