

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: P533100

Luminaire Tested: **GLAN-SA8C-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533100
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-SA8C-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA 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: 38505 lumens
Efficiency: N/A
Efficacy: 89.8 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): 429
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



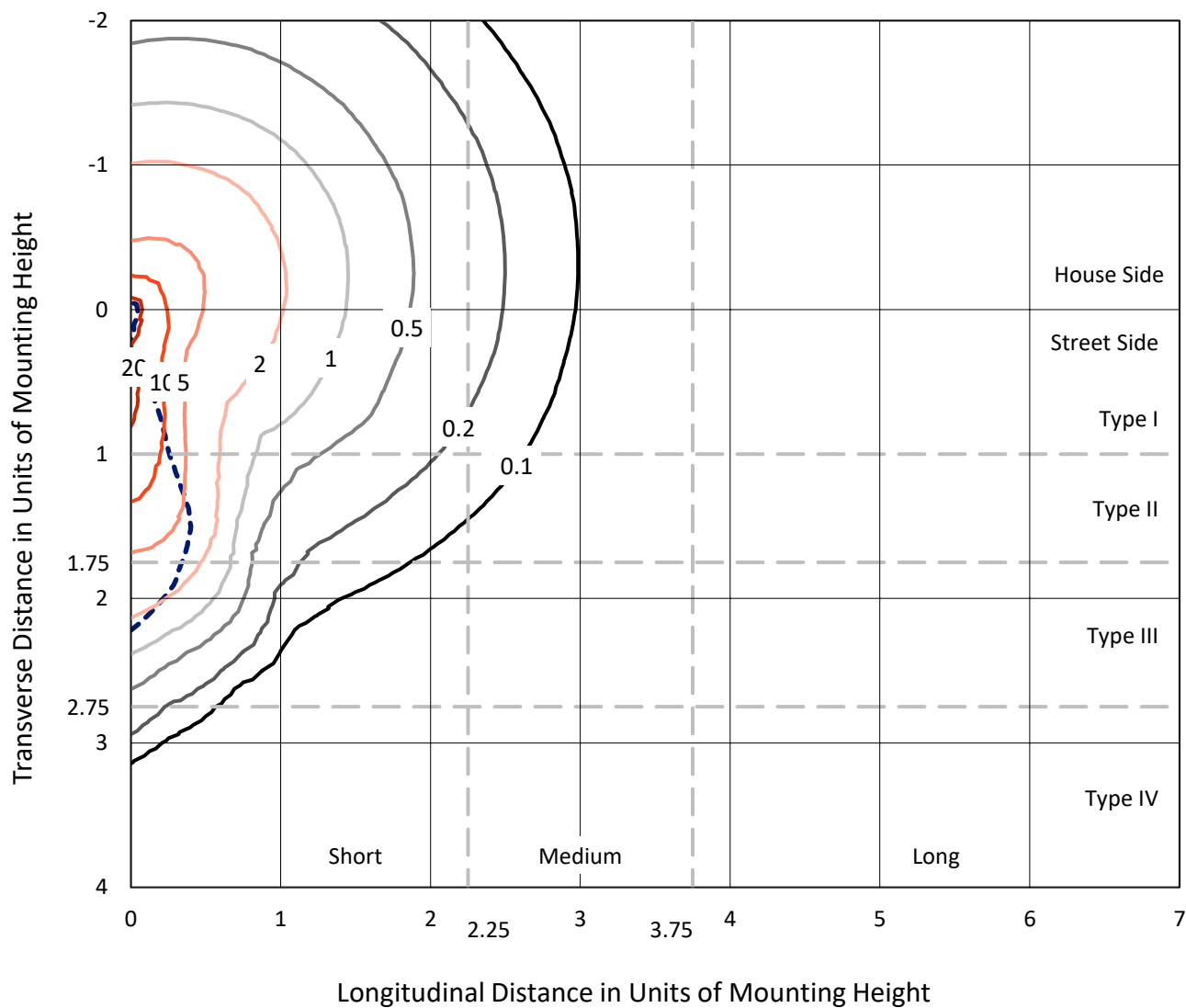
REPORT NUMBER: P533100

CATALOG NUMBER: GLAN-SA8C-730-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

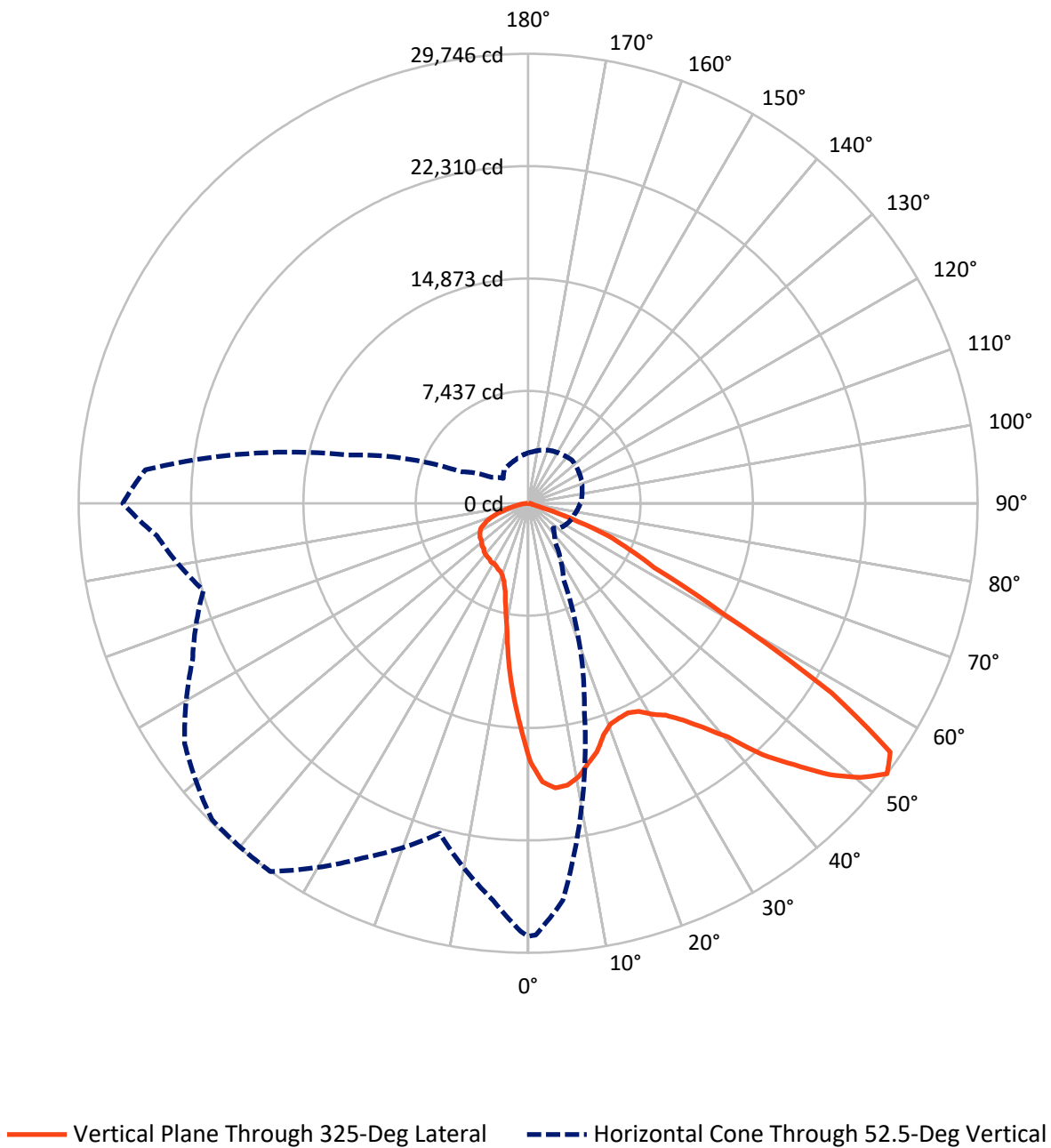


Based on 25 foot mounting height. Maximum calculated value = 27.3 fc
 Type III - Short - N/A

REPORT NUMBER: P533100

CATALOG NUMBER: GLAN-SA8C-730-U-SLR-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533100

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11607.6	0.0	11607.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	26897.4	0.0	26897.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	38505.0	0.0	38505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1303.7	3.4
10°-20°	2826.3	7.3
20°-30°	4270.3	11.1
30°-40°	6170.7	16.0
40°-50°	8212.1	21.3
50°-60°	9185.5	23.9
60°-70°	5176.9	13.4
70°-80°	1154.0	3.0
80°-90°	205.5	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°	38505.0	100.0
0°-180°	38505.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533100

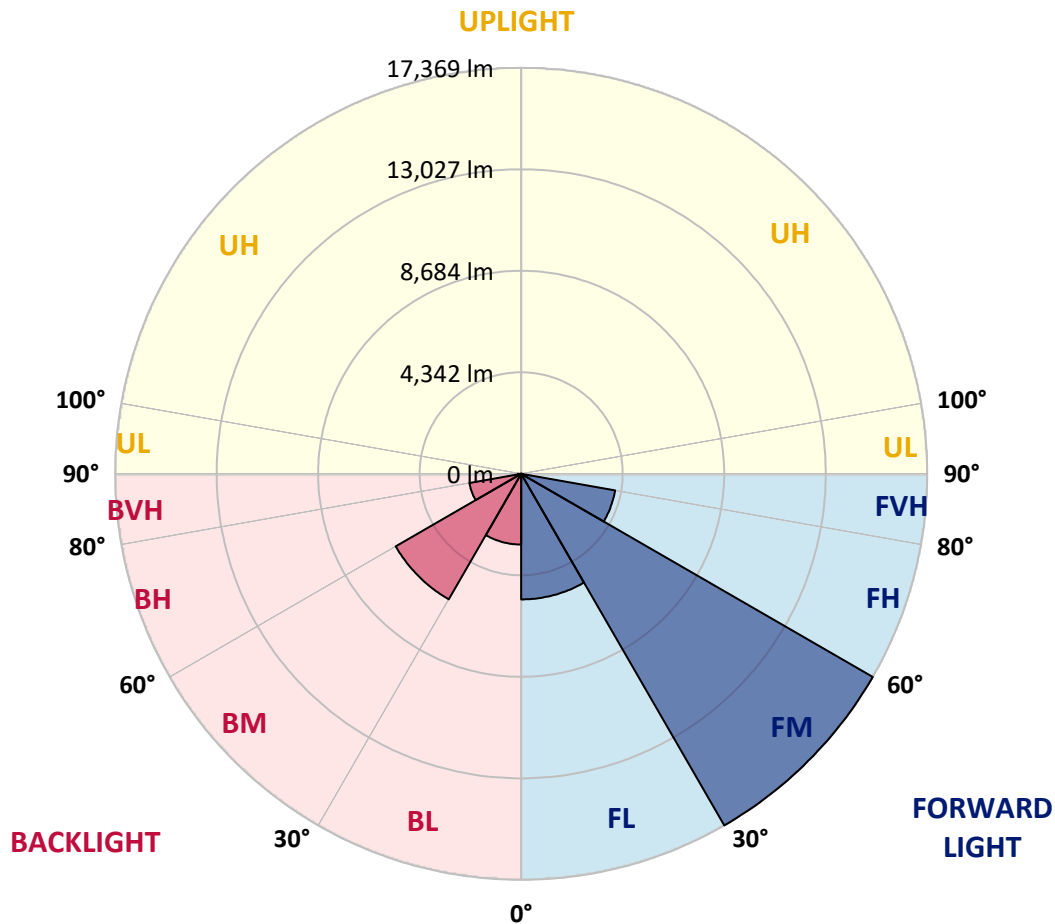
CATALOG NUMBER: GLAN-SA8C-730-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5373.3	14.0			
FM	(30°-60°)	17368.7	45.1			
FH	(60°-80°)	4081.0	10.6			G2/5000
FVH	(80°-90°)	74.4	0.2			G1/100
BL	(0°-30°)	3027.0	7.9	B4/5000		
BM	(30°-60°)	6199.6	16.1	B4/8500		
BH	(60°-80°)	2249.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	131.1	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



REPORT NUMBER: P533100

CATALOG NUMBER: GLAN-SA8C-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8
2.5°	17373.4	17652.4	17351.1	16815.3	16435.8	16089.8	15727.0	15654.5	15180.1	15096.4	14750.4
5°	16385.6	16324.2	15955.8	15252.6	14476.9	13773.7	13254.7	12752.4	12412.0	12015.7	11987.8
7.5°	15185.7	14828.5	14616.4	13550.5	12590.5	11485.5	11011.1	10246.6	10006.6	9649.4	9465.2
10°	14114.1	13851.8	13355.1	12289.2	10949.8	10218.7	9710.8	9297.8	9018.8	8650.4	8187.2
12.5°	13583.9	13477.9	12919.8	11267.9	10274.5	9493.1	9136.0	8734.1	8259.8	7668.2	7439.4
15°	13678.8	13321.6	12897.5	11072.5	9699.6	8946.2	8377.0	7874.7	7266.3	6702.7	6373.4
17.5°	14387.6	14114.1	13265.8	11195.3	9482.0	8393.7	7361.2	6619.0	6072.0	5564.2	5335.4
20°	15782.8	15386.6	14432.2	11351.6	9013.2	7623.5	6440.4	5525.1	4939.1	4671.2	4593.1
22.5°	17328.7	17094.3	15570.7	11703.2	8639.3	6909.2	5463.7	4548.4	4330.8	4258.2	4403.3
25°	19209.5	18601.2	17339.9	12278.0	8349.0	6300.9	4637.7	4129.9	4018.3	4090.8	4258.2
27.5°	20638.2	20476.4	18578.9	12819.4	7952.8	5569.8	4174.5	3839.7	3873.2	3945.7	4102.0
30°	22334.8	21514.4	19778.8	13193.3	7595.6	5067.5	3850.8	3761.5	3795.0	3917.8	3995.9
32.5°	23356.1	23049.2	20532.2	13757.0	7182.6	4632.2	3599.7	3516.0	3566.2	3750.4	3934.5
35°	24656.5	24048.2	21464.2	13902.1	6892.4	4459.1	3421.1	3359.7	3476.9	3605.3	3811.8
37.5°	26174.5	25755.9	22753.4	13801.6	6736.2	4280.6	3270.4	3242.5	3326.2	3504.8	3744.8
40°	27073.0	26944.6	23428.7	13863.0	6490.6	4124.3	3097.4	3130.9	3303.9	3443.4	3677.8
42.5°	27938.1	27100.9	24427.7	13840.7	6334.3	3912.2	3114.1	3075.1	3209.0	3370.9	3594.1
45°	28127.8	27296.2	24662.1	13684.4	6144.6	3705.7	2985.8	3002.5	3164.4	3365.3	3510.4
47.5°	28005.0	27391.1	25097.4	13639.8	5966.0	3560.6	2796.0	2997.0	3091.8	3253.7	3460.2
50°	27921.3	27887.8	25465.7	13851.8	5726.0	3331.8	2567.2	2924.4	3019.3	3181.1	3404.4
52.5°	28658.0	28585.4	26386.6	14409.9	5536.3	3086.2	2332.8	2740.2	2969.0	3125.3	3343.0
55°	29104.5	28786.3	27966.0	15096.4	5218.2	2762.6	2171.0	2511.4	2846.3	2985.8	3209.0
57.5°	26180.1	25962.4	25298.3	14091.8	4682.4	2338.4	1970.1	2277.0	2678.8	2896.5	3125.3
60°	21782.3	21441.9	19739.7	11976.6	3454.6	1819.4	1847.3	2092.8	2634.2	2717.9	2985.8
62.5°	20537.8	19695.0	17379.0	9638.2	2650.9	1562.7	1657.5	1925.4	2399.8	2539.3	2807.2
65°	16296.3	15671.2	12434.3	6959.4	1774.7	1356.2	1512.4	1735.7	2070.5	2344.0	2589.5
67.5°	10201.9	9604.8	6635.7	3292.7	1239.0	1160.8	1350.6	1585.0	1858.4	2104.0	2377.5
70°	5329.8	4676.8	3063.9	1188.7	853.9	948.8	1127.3	1350.6	1618.5	1819.4	2031.5
72.5°	1986.8	1612.9	999.0	513.4	591.6	725.5	915.3	1077.1	1266.9	1512.4	1629.6
75°	307.0	262.3	256.7	312.5	401.8	524.6	653.0	814.8	982.2	1138.5	1216.6
77.5°	145.1	139.5	156.3	206.5	267.9	373.9	474.4	630.6	764.6	865.0	909.7
80°	94.9	89.3	100.5	139.5	200.9	279.0	379.5	485.5	608.3	692.0	680.9
82.5°	55.8	61.4	61.4	94.9	139.5	200.9	273.5	368.3	452.1	524.6	480.0
85°	33.5	27.9	27.9	55.8	94.9	161.8	228.8	156.3	161.8	161.8	184.2
87.5°	11.2	11.2	11.2	5.6	11.2	11.2	16.7	27.9	33.5	39.1	50.2
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: P533100

CATALOG NUMBER: GLAN-SA8C-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8
2.5°	14739.2	14912.2	14850.8	14633.2	14800.6	14828.5	14716.9	15102.0	15174.5	15057.3	15090.8
5°	11948.7	11993.4	12093.8	12305.9	12456.6	12635.2	12635.2	12646.3	12495.7	12875.2	12763.5
7.5°	9309.0	9336.9	9454.1	9906.1	10034.5	10374.9	10520.0	10419.6	10118.2	9989.8	10095.9
10°	8036.5	7874.7	7835.6	7891.4	8181.6	8326.7	8449.5	8416.0	8365.8	8265.3	8153.7
12.5°	7188.2	7071.0	6976.1	6842.2	6858.9	6998.5	7093.3	7015.2	7037.5	7059.9	7093.3
15°	6267.4	6183.7	6133.4	5932.5	5910.2	6005.1	6038.5	6083.2	6166.9	6172.5	6133.4
17.5°	5290.7	5218.2	5329.8	5441.4	5363.3	5368.8	5430.2	5469.3	5447.0	5346.5	5296.3
20°	4621.0	4699.1	4810.7	4916.8	5000.5	5050.7	5073.0	5011.7	4939.1	4732.6	4727.0
22.5°	4425.7	4526.1	4621.0	4782.8	4861.0	4989.3	4872.1	4732.6	4632.2	4531.7	4414.5
25°	4280.6	4364.3	4554.0	4615.4	4766.1	4872.1	4788.4	4648.9	4475.9	4330.8	4241.5
27.5°	4174.5	4269.4	4392.2	4559.6	4676.8	4738.2	4654.5	4598.7	4420.1	4247.1	4118.7
30°	4107.6	4208.0	4431.2	4570.8	4671.2	4721.5	4576.3	4509.4	4381.0	4235.9	4124.3
32.5°	4062.9	4152.2	4342.0	4520.5	4587.5	4587.5	4609.8	4531.7	4353.1	4107.6	4012.7
35°	3917.8	4040.6	4196.8	4403.3	4526.1	4598.7	4487.1	4397.8	4280.6	4029.4	3856.4
37.5°	3834.1	3917.8	4118.7	4314.0	4420.1	4498.2	4453.6	4297.3	4141.0	3934.5	3795.0
40°	3744.8	3878.7	4057.3	4241.5	4358.7	4436.8	4403.3	4219.2	4029.4	3834.1	3739.2
42.5°	3683.4	3772.7	3956.9	4163.4	4302.9	4453.6	4353.1	4124.3	3990.4	3722.5	3616.4
45°	3633.2	3778.3	3973.6	4057.3	4202.4	4358.7	4180.1	4040.6	3884.3	3689.0	3599.7
47.5°	3571.8	3705.7	3834.1	4057.3	4124.3	4196.8	4163.4	3940.1	3806.2	3594.1	3532.7
50°	3549.5	3599.7	3834.1	3956.9	4051.7	4124.3	4035.0	3867.6	3739.2	3521.6	3387.6
52.5°	3460.2	3555.0	3705.7	3867.6	3984.8	4074.1	3929.0	3822.9	3649.9	3421.1	3337.4
55°	3348.5	3404.4	3672.2	3839.7	3901.1	3962.4	3906.6	3733.6	3555.0	3320.6	3236.9
57.5°	3203.4	3331.8	3549.5	3783.9	3862.0	3895.5	3806.2	3666.7	3443.4	3236.9	3103.0
60°	3052.8	3186.7	3426.7	3616.4	3694.6	3817.3	3683.4	3599.7	3343.0	3114.1	2969.0
62.5°	2902.1	3052.8	3231.3	3471.3	3538.3	3588.5	3555.0	3437.8	3231.3	2974.6	2796.0
65°	2723.5	2835.1	3058.3	3181.1	3225.8	3343.0	3225.8	3181.1	2997.0	2751.4	2600.7
67.5°	2455.6	2550.5	2745.8	2863.0	2896.5	2946.7	2941.1	2890.9	2684.4	2517.0	2383.0
70°	2148.7	2232.4	2355.1	2494.7	2511.4	2572.8	2517.0	2505.8	2371.9	2143.1	2070.5
72.5°	1724.5	1802.6	1964.5	2025.9	2031.5	2053.8	2025.9	1986.8	1953.3	1713.3	1640.8
75°	1322.7	1367.3	1445.5	1501.3	1501.3	1529.2	1512.4	1473.4	1384.1	1233.4	1160.8
77.5°	920.9	965.5	1066.0	1099.4	1093.9	1105.0	1054.8	1015.7	881.8	803.7	742.3
80°	669.7	697.6	747.8	770.2	775.7	792.5	731.1	697.6	619.5	530.2	502.3
82.5°	485.5	502.3	507.9	535.8	535.8	507.9	491.1	457.6	401.8	346.0	323.7
85°	200.9	206.5	212.1	245.6	251.1	301.4	279.0	262.3	228.8	195.3	178.6
87.5°	50.2	55.8	72.6	61.4	72.6	72.6	78.1	89.3	89.3	72.6	72.6
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: P533100

CATALOG NUMBER: GLAN-SA8C-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8
2.5°	15219.1	15263.8	15833.1	15905.6	16184.6	16469.3	17044.1	17457.1	17792.0	18009.6	18071.0
5°	12880.7	13165.4	13427.7	13851.8	14236.9	14783.8	15414.5	16195.8	17178.1	17680.3	17881.2
7.5°	10084.7	10419.6	10799.1	11212.1	11775.7	12758.0	13600.7	14504.8	15760.5	16279.5	17066.4
10°	8231.8	8605.8	9108.1	9426.2	10107.0	11044.6	12026.9	13070.5	14270.4	15018.2	15927.9
12.5°	7277.5	7584.5	8047.7	8717.4	9225.2	9833.6	10564.7	11881.8	13600.7	14309.5	14934.5
15°	6222.7	6563.2	7098.9	7841.2	8449.5	9175.0	9995.4	11429.7	13260.2	14354.1	14884.3
17.5°	5352.1	5597.7	6161.3	6803.1	7500.7	8293.2	9470.8	11407.4	13617.4	15018.2	15883.3
20°	4749.4	4782.8	5089.8	5636.7	6585.5	7617.9	9147.1	11295.8	14761.5	16162.3	17256.2
22.5°	4369.9	4336.4	4342.0	4805.2	5469.3	6953.8	8639.3	11675.3	16061.9	17981.7	18718.4
25°	4180.1	4090.8	4035.0	4135.5	4738.2	6166.9	8254.2	12177.6	17462.7	19483.0	20387.1
27.5°	4079.6	3923.4	3811.8	3828.5	4269.4	5770.7	8014.2	12395.2	18852.3	21575.8	21893.9
30°	4040.6	3845.2	3683.4	3627.6	3917.8	5218.2	7500.7	12769.1	20096.9	22725.5	22998.9
32.5°	3901.1	3661.1	3504.8	3454.6	3571.8	4732.6	7132.4	13037.0	21196.3	23975.6	23880.7
35°	3739.2	3538.3	3343.0	3248.1	3331.8	4420.1	6836.6	12908.7	22491.1	24946.7	24896.5
37.5°	3722.5	3460.2	3298.3	3142.1	3136.5	4035.0	6434.8	13031.4	23317.1	26687.9	26001.5
40°	3577.4	3409.9	3197.9	3069.5	2997.0	3839.7	6044.1	12741.2	24528.1	27391.1	26715.8
42.5°	3582.9	3331.8	3147.6	2997.0	2924.4	3555.0	5776.2	12663.1	24952.3	28535.2	27050.7
45°	3493.7	3248.1	3091.8	2913.2	2874.2	3337.4	5519.5	12300.3	25700.1	28591.0	26632.1
47.5°	3404.4	3186.7	3019.3	2807.2	2717.9	3259.3	5318.6	11999.0	25309.4	28066.4	26051.7
50°	3343.0	3091.8	2935.6	2784.9	2533.7	3125.3	5056.3	11926.4	24762.5	27357.6	24974.6
52.5°	3236.9	3013.7	2851.8	2734.6	2332.8	3002.5	4955.9	12350.6	25432.2	26827.4	24662.1
55°	3136.5	2907.7	2701.2	2472.3	2165.4	2678.8	4676.8	12746.8	26408.9	28049.7	26079.6
57.5°	3030.4	2812.8	2589.5	2316.1	2003.5	2344.0	4386.6	12819.4	24578.3	25923.3	24756.9
60°	2890.9	2611.9	2444.4	2087.3	1830.5	1942.2	3476.9	11301.3	19064.4	21648.4	21687.4
62.5°	2734.6	2433.3	2288.2	1869.6	1652.0	1674.3	2835.1	9498.7	15464.7	17920.3	18986.3
65°	2528.2	2237.9	2064.9	1730.1	1523.6	1451.0	2076.1	6959.4	11747.8	14538.3	15749.3
67.5°	2260.3	1986.8	1769.1	1506.8	1361.7	1244.5	1417.6	3917.8	6937.1	9761.0	10129.4
70°	1975.6	1741.2	1512.4	1294.8	1132.9	1049.2	1038.0	1735.7	3315.1	5251.6	5977.2
72.5°	1557.1	1389.6	1205.5	1043.6	937.6	814.8	742.3	719.9	1121.8	2137.5	2952.3
75°	1116.2	976.7	870.6	764.6	686.5	619.5	563.7	513.4	468.8	535.8	736.7
77.5°	703.2	653.0	569.3	541.3	496.7	480.0	457.6	429.7	396.2	373.9	373.9
80°	474.4	440.9	413.0	407.4	390.7	385.1	390.7	362.8	329.3	301.4	312.5
82.5°	318.1	312.5	307.0	301.4	307.0	312.5	323.7	318.1	290.2	273.5	279.0
85°	189.8	200.9	212.1	223.2	245.6	217.7	178.6	150.7	133.9	122.8	117.2
87.5°	72.6	100.5	89.3	83.7	89.3	83.7	78.1	72.6	61.4	55.8	55.8
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: P533100

CATALOG NUMBER: GLAN-SA8C-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8	17088.8
2.5°	18478.4	18590.0	18684.9	18662.6	18467.2	18204.9	18098.9	17557.6	17445.9	17373.4
5°	18729.5	19376.9	19516.5	19432.7	18924.9	18283.1	17658.0	16865.5	16402.3	16385.6
7.5°	18266.3	19064.4	19315.5	19505.3	18830.0	17713.8	16642.3	15453.5	15163.3	15185.7
10°	17088.8	18361.2	18980.7	19176.0	18400.3	17434.8	15950.2	14744.8	14125.3	14114.1
12.5°	16435.8	17434.8	17607.8	17881.2	17652.4	16675.8	15548.4	14197.8	13595.1	13583.9
15°	15855.4	16513.9	16564.1	16949.2	17072.0	16413.5	15654.5	14214.6	13729.0	13678.8
17.5°	16363.2	15905.6	15715.9	15766.1	16128.8	16368.8	16268.4	15163.3	14666.6	14387.6
20°	16703.7	15682.4	15107.5	15163.3	15593.1	16469.3	17183.6	16536.2	15749.3	15782.8
22.5°	17613.4	15715.9	14817.3	14755.9	15436.8	16993.9	18216.1	18271.9	17512.9	17328.7
25°	18975.1	16100.9	14728.0	14711.3	15364.3	17557.6	19421.6	20325.7	19549.9	19209.5
27.5°	20069.0	16703.7	15007.1	15062.9	15593.1	18015.2	20448.5	21648.4	21056.8	20638.2
30°	21028.9	17328.7	15397.7	15141.0	16207.0	18255.2	20889.4	23155.2	22680.8	22334.8
32.5°	21425.1	18216.1	16017.2	15593.1	16714.8	18545.4	21804.6	24617.4	24210.0	23356.1
35°	22094.8	18712.8	16352.1	16318.6	17602.2	19243.0	22234.4	25582.9	25415.5	24656.5
37.5°	22630.6	19215.1	17540.8	17172.5	18818.8	20415.0	22926.4	26916.7	26531.7	26174.5
40°	23043.6	20113.6	18651.4	19137.0	20314.5	21480.9	23562.6	27000.5	28111.1	27073.0
42.5°	22664.1	20917.3	20476.4	21637.2	22753.4	22697.6	23635.2	27647.8	28479.4	27938.1
45°	22569.2	22279.0	23361.7	24416.5	24673.2	23707.7	23116.1	26933.5	28367.8	28127.8
47.5°	22340.4	23618.4	25504.8	27223.7	26833.0	24383.0	22496.7	26805.1	28434.8	28005.0
50°	22262.3	23908.6	27089.8	28764.0	28529.6	24969.0	22206.5	25979.2	27960.4	27921.3
52.5°	22256.7	24505.8	27748.3	29601.2	29746.3	25895.4	22602.7	26397.7	28328.7	28658.0
55°	22507.8	24316.0	27664.6	29137.9	29082.1	25482.4	22647.3	26676.8	28780.8	29104.5
57.5°	21229.8	21782.3	22831.5	23997.9	23696.6	21107.0	20225.2	24662.1	26414.5	26180.1
60°	18333.3	16603.2	15420.1	15364.3	14778.3	13969.0	16553.0	22011.1	22011.1	21782.3
62.5°	16056.3	10899.5	9364.8	8929.5	9348.0	10280.0	15967.0	21408.4	20800.1	20537.8
65°	14041.6	8321.1	6769.6	6646.9	7372.4	8778.8	14437.8	18238.4	17166.9	16296.3
67.5°	9035.5	6094.4	5034.0	4816.3	5692.5	6446.0	9610.3	11217.6	10542.3	10201.9
70°	5826.5	3968.0	2801.6	2628.6	2969.0	3973.6	6139.0	6540.8	5558.6	5329.8
72.5°	2757.0	1713.3	982.2	809.2	909.7	1518.0	2427.7	2611.9	2171.0	1986.8
75°	876.2	630.6	401.8	346.0	329.3	390.7	558.1	429.7	312.5	307.0
77.5°	390.7	373.9	318.1	267.9	234.4	195.3	161.8	133.9	139.5	145.1
80°	323.7	295.8	262.3	234.4	195.3	150.7	117.2	89.3	89.3	94.9
82.5°	284.6	256.7	228.8	195.3	167.4	122.8	89.3	61.4	55.8	55.8
85°	122.8	145.1	156.3	167.4	133.9	100.5	61.4	39.1	33.5	33.5
87.5°	50.2	44.6	39.1	33.5	27.9	27.9	22.3	16.7	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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