

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: P458990

Luminaire Tested: **GLAN-SA5A-735-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5A-735-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18390 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

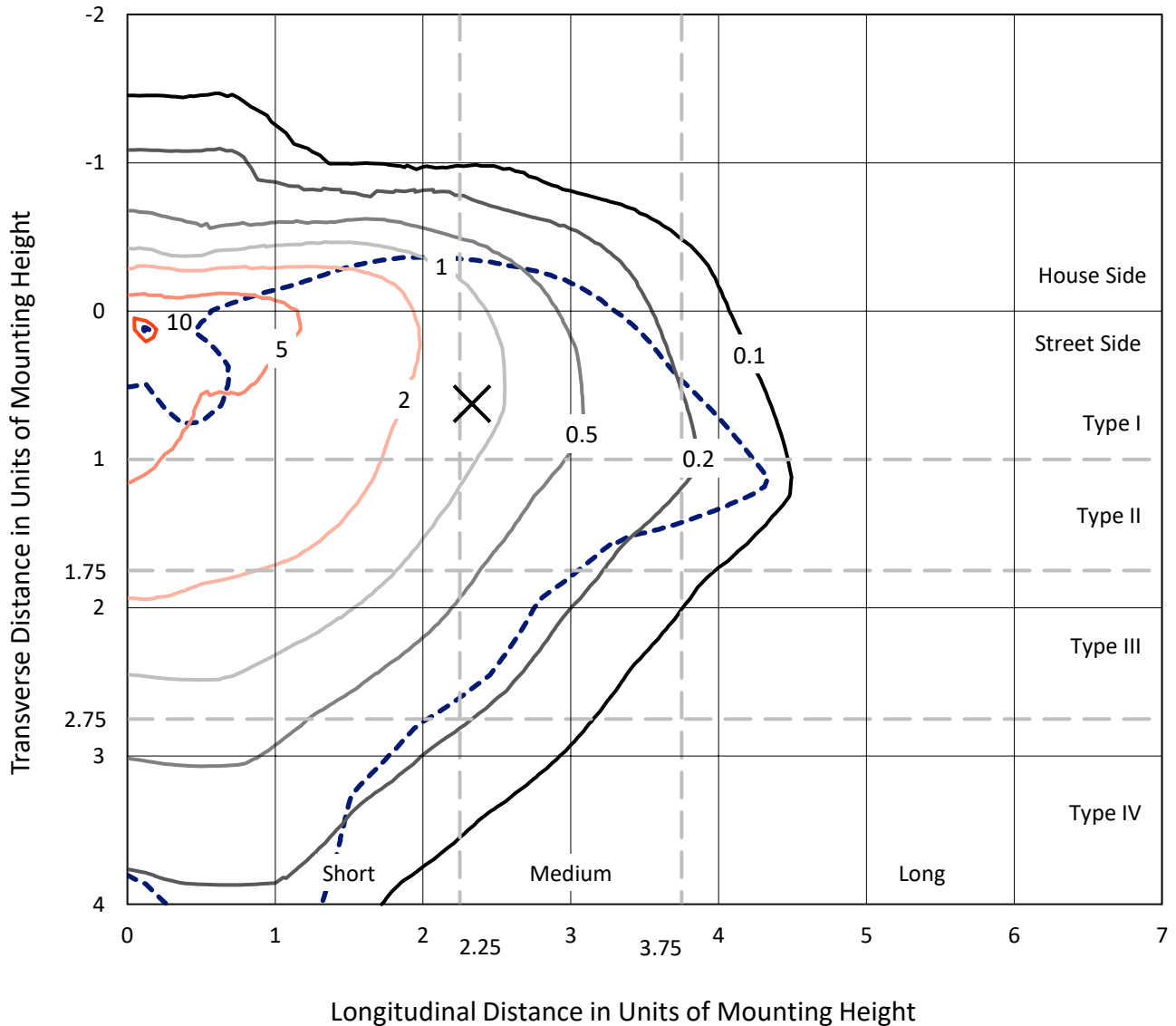
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P458990
 CATALOG NUMBER: GLAN-SA5A-735-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

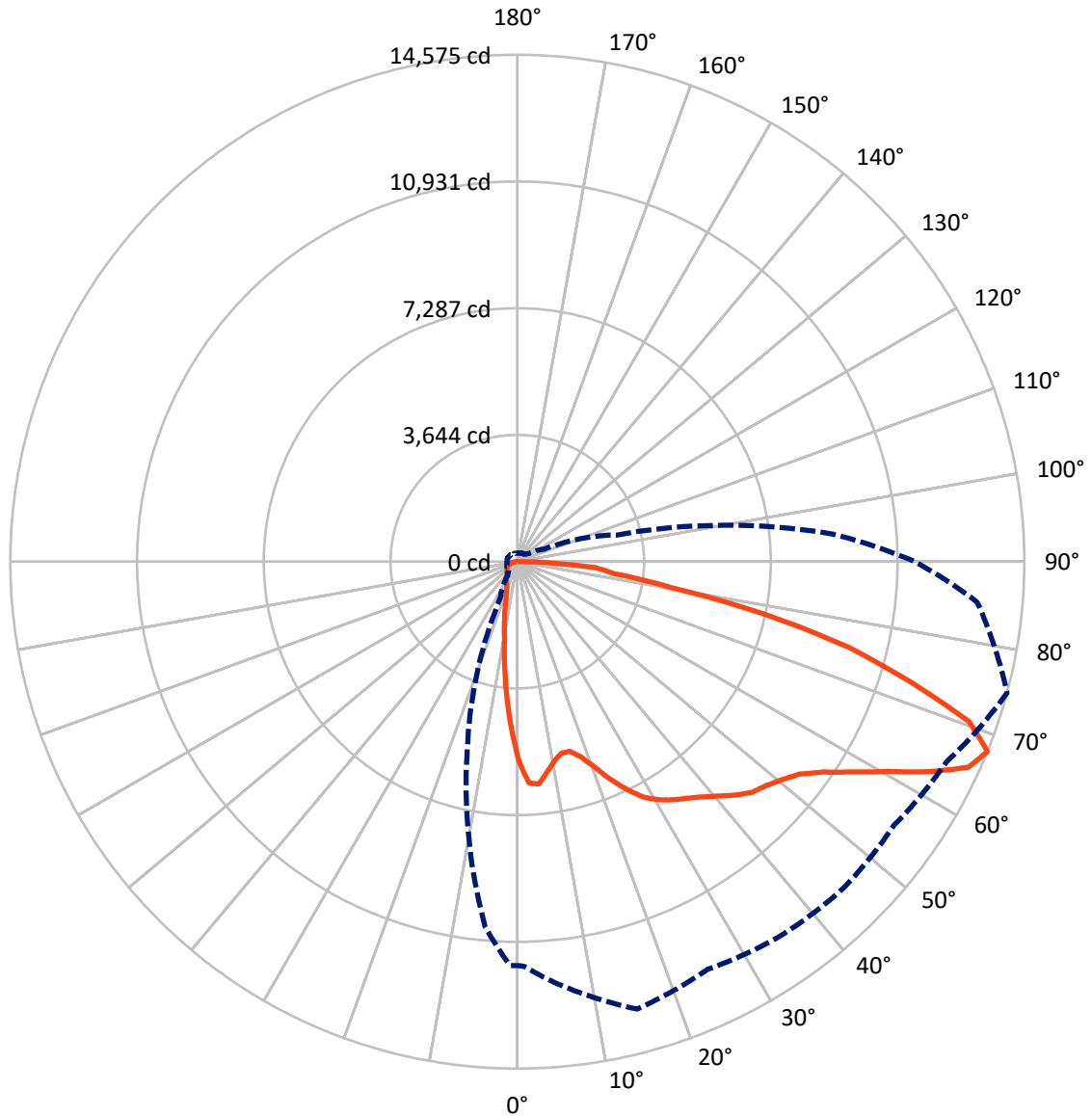
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P458990
CATALOG NUMBER: GLAN-SA5A-735-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P458990

CATALOG NUMBER: GLAN-SA5A-735-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3108.3	0.0	3108.3
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	15281.7	0.0	15281.7
	% Fixture	83.1	0.0	83.1
Total	Lumens	18390.0	0.0	18390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.8	2.4
10°-20°	908.8	4.9
20°-30°	1307.8	7.1
30°-40°	1883.6	10.2
40°-50°	2646.0	14.4
50°-60°	3690.2	20.1
60°-70°	4387.4	23.9
70°-80°	2583.9	14.1
80°-90°	546.4	3.0
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°	18390.0	100.0
0°-180°	18390.0	100.0

Coefficient of Utilization



REPORT NUMBER: P458990

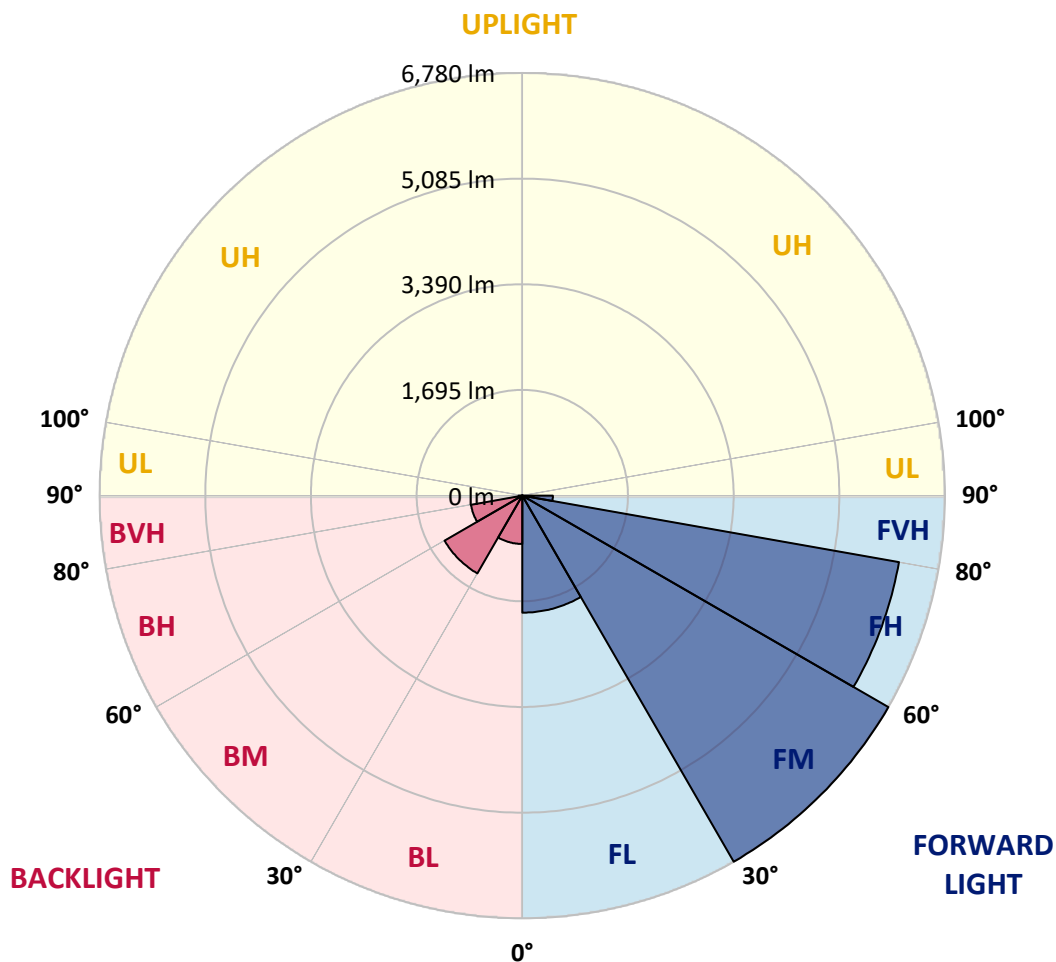
CATALOG NUMBER: GLAN-SA5A-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1877.1	10.2			
FM	(30°-60°)	6779.7	36.9			
FH	(60°-80°)	6135.0	33.4			G3/7500
FVH	(80°-90°)	489.9	2.7			G3/500
BL	(0°-30°)	775.3	4.2	B2/1000		
BM	(30°-60°)	1440.1	7.8	B2/2500		
BH	(60°-80°)	836.4	4.5	B2/1000		G2/1000
BVH	(80°-90°)	56.5	0.3			G1/100
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 Medium





REPORT NUMBER: P458990

CATALOG NUMBER: GLAN-SA5A-735-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5
2.5°	6194.8	6203.0	6256.1	6410.6	6516.7	6555.6	6582.8	6532.1	6482.5	6362.2	6180.6
5°	6175.9	6224.3	6362.2	6708.9	6982.5	7100.5	7135.8	6983.7	6732.5	6423.6	6052.1
7.5°	5815.0	5879.9	6092.2	6673.6	7155.9	7431.8	7395.3	7120.5	6667.7	6116.9	5598.1
10°	5387.0	5458.9	5714.8	6417.7	7039.1	7418.9	7418.9	7084.0	6482.5	5828.0	5230.1
12.5°	5047.3	5122.8	5415.3	6154.7	6796.2	7155.9	7216.0	6928.3	6349.3	5645.2	4988.4
15°	4935.3	5008.4	5323.3	5995.5	6539.1	6758.5	6778.5	6684.2	6284.4	5658.2	4977.8
17.5°	5074.5	5168.8	5487.2	6042.7	6303.3	6316.2	6331.6	6405.9	6291.5	5895.2	5192.4
20°	5476.6	5578.0	5910.6	6194.8	6096.9	5962.5	5970.7	6161.8	6375.2	6286.8	5705.4
22.5°	6056.8	6145.2	6486.1	6462.5	6009.6	5732.5	5674.7	5941.2	6499.0	6775.0	6251.4
25°	6683.0	6786.8	7178.3	6859.9	6034.4	5595.7	5559.1	5811.5	6627.6	7231.4	6882.3
27.5°	7400.0	7501.4	7810.4	7260.9	6164.1	5585.1	5541.5	5799.7	6743.1	7653.6	7484.9
30°	7933.0	8026.2	8236.1	7598.1	6323.3	5655.8	5601.6	5892.9	6842.2	7942.5	8072.2
32.5°	8351.7	8448.4	8562.8	7808.0	6533.2	5784.4	5684.1	6062.7	6971.9	8163.0	8507.4
35°	8788.0	8902.4	8894.2	7994.4	6729.0	5933.0	5835.1	6308.0	7175.9	8355.2	9059.3
37.5°	9341.1	9387.1	9328.1	8161.8	6963.7	6200.7	6146.4	6672.4	7466.0	8587.5	9704.3
40°	9902.4	9994.4	9691.4	8364.7	7249.1	6704.2	6698.3	7211.3	7810.4	8860.0	10329.3
42.5°	10383.6	10461.4	10031.0	8541.6	7594.6	7318.6	7363.4	7934.2	8262.1	9176.0	10831.7
45°	10745.6	10815.2	10344.7	8712.5	8049.8	8028.6	8292.7	8709.0	8831.7	9460.2	11126.5
47.5°	11053.4	11120.6	10562.8	8972.0	8612.3	8876.5	9336.4	9516.8	9318.7	9623.0	11456.7
50°	11312.9	11332.9	10712.6	9281.0	9310.4	9915.4	10361.2	10477.9	9799.8	9856.5	11743.3
52.5°	11582.9	11557.0	10970.9	9670.1	10065.2	10901.3	11225.6	11347.1	10260.9	10144.2	12160.8
55°	12187.9	12212.7	11549.9	10160.7	10828.2	11869.5	12296.4	12179.6	10771.6	10673.7	12691.5
57.5°	12919.1	12897.8	12364.8	10928.4	11605.3	12770.5	13088.9	12901.4	11453.2	11401.3	13229.2
60°	13203.3	13231.6	13046.4	11753.9	12371.9	13559.4	13884.9	13593.6	12270.4	12246.9	13634.9
62.5°	12917.9	13077.1	13202.1	12488.6	13025.2	14139.6	14462.7	14130.2	13123.1	13294.1	13919.1
65°	12349.5	12383.7	12809.4	13111.3	13340.1	14235.1	14403.8	14226.9	13835.4	14248.1	13906.1
67.5°	11611.2	11640.7	12139.5	13315.3	12934.4	13150.2	13268.1	13216.2	13614.8	14574.8	13265.8
70°	10908.4	10884.8	11411.9	12795.2	11259.8	10932.0	11029.8	10867.1	11748.0	13776.4	12009.8
72.5°	9540.4	9625.3	10191.4	11349.4	8915.4	8382.4	8595.8	8174.8	9035.7	11798.7	9748.0
75°	7473.1	7493.2	8437.8	9525.1	6725.5	5884.6	6173.6	5997.8	6921.2	9842.3	6731.4
77.5°	5174.7	5129.9	6145.2	7275.0	4796.1	4307.9	4312.6	4228.9	4832.7	7246.7	4573.3
80°	3286.7	3218.3	3846.8	4494.3	3296.1	3526.1	3410.5	3407.0	3146.3	4470.7	2765.4
82.5°	1776.0	1851.5	2430.5	2817.3	2364.5	2725.3	2497.7	2424.6	2159.3	2798.4	1768.9
85°	809.0	879.7	1296.0	1916.3	1796.0	1816.1	1213.5	1431.7	1786.6	2272.5	944.6
87.5°	79.0	101.4	267.7	904.5	613.2	483.5	180.4	347.9	449.3	807.8	75.5
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: P458990
 CATALOG NUMBER: GLAN-SA5A-735-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5
2.5°	6106.3	6045.0	5836.3	5664.1	5481.3	5342.2	5160.5	5039.1	4955.4	4829.2	4813.8
5°	5825.7	5675.9	5312.7	4942.4	4622.8	4382.2	4138.1	3914.0	3782.0	3740.7	3687.6
7.5°	5352.8	5100.4	4633.4	4208.9	3842.1	3483.6	3207.7	3011.9	2881.0	2804.3	2712.4
10°	4963.6	4671.1	4102.7	3582.7	3280.8	3057.9	2815.0	2605.0	2443.5	2305.5	2230.0
12.5°	4701.8	4371.6	3732.4	3310.2	3076.8	2839.7	2555.5	2319.7	2081.4	1924.6	1857.4
15°	4622.8	4273.7	3618.0	3174.6	2839.7	2529.6	2211.2	1903.4	1667.5	1518.9	1469.4
17.5°	4816.2	4394.0	3616.9	2994.2	2561.4	2191.1	1783.1	1494.2	1252.4	1141.5	1106.2
20°	5177.1	4625.2	3627.5	2816.1	2259.5	1738.3	1297.2	1060.2	944.6	897.4	879.7
22.5°	5680.6	4977.8	3659.3	2640.4	1929.3	1334.9	971.7	851.4	810.2	801.9	798.4
25°	6300.9	5414.1	3766.6	2482.4	1651.0	1018.9	812.5	758.3	734.7	726.4	725.3
27.5°	6871.7	5977.8	3896.4	2346.8	1382.1	878.6	734.7	688.7	665.1	663.9	666.3
30°	7387.0	6449.5	4004.8	2194.6	1178.1	780.7	684.0	638.0	615.6	614.4	621.5
32.5°	7832.8	6837.5	4085.0	2044.9	1064.9	720.5	638.0	588.5	569.6	566.1	569.6
35°	8309.2	7224.3	4048.5	1928.1	1000.0	671.0	603.8	555.4	533.0	522.4	522.4
37.5°	8852.9	7622.9	3986.0	1831.4	970.6	629.7	574.3	527.1	504.7	494.1	492.9
40°	9446.1	8021.5	3899.9	1745.3	941.1	605.0	554.3	504.7	477.6	467.0	464.6
42.5°	9969.7	8362.3	3829.1	1688.7	892.7	609.7	536.6	488.2	454.0	439.9	438.7
45°	10424.9	8705.5	3816.2	1655.7	852.6	602.6	531.9	475.3	435.2	419.8	417.5
47.5°	10781.0	9062.8	3890.5	1636.8	809.0	564.9	562.5	467.0	418.6	402.1	399.8
50°	11215.0	9569.9	4060.3	1597.9	768.9	529.5	594.4	465.8	405.7	384.4	378.6
52.5°	11792.8	10230.3	4290.2	1528.4	711.1	496.5	567.2	465.8	390.3	369.1	362.0
55°	12666.7	11072.3	4515.5	1430.5	629.7	452.8	511.8	451.7	367.9	349.1	344.4
57.5°	13245.7	11687.9	4659.4	1294.9	528.3	421.0	441.1	429.3	345.5	325.5	325.5
60°	13275.2	11853.0	4591.0	1123.9	464.6	391.5	383.3	432.8	325.5	304.3	301.9
62.5°	12935.6	11448.5	4234.8	970.6	430.4	359.7	346.7	379.7	305.4	284.2	280.7
65°	12404.9	10416.6	3616.9	897.4	411.6	331.4	312.5	311.3	284.2	264.2	259.4
67.5°	11429.6	9102.9	2971.8	855.0	402.1	299.5	281.8	276.0	259.4	242.9	240.6
70°	9992.1	7624.1	2383.3	837.3	397.4	266.5	252.4	245.3	231.1	218.2	217.0
72.5°	7773.8	6184.2	1967.0	825.5	395.1	235.9	220.5	211.1	202.8	191.0	191.0
75°	5583.9	4549.7	1501.2	744.1	365.6	202.8	186.3	180.4	168.6	159.2	161.6
77.5°	3520.2	3063.8	988.2	547.2	283.0	162.7	148.6	145.1	135.6	122.6	130.9
80°	2377.4	2154.6	576.7	344.4	178.1	119.1	114.4	113.2	102.6	88.4	89.6
82.5°	1618.0	1587.3	299.5	195.8	102.6	69.6	67.2	69.6	57.8	47.2	47.2
85°	632.1	863.2	141.5	76.7	33.0	10.6	15.3	16.5	9.4	4.7	5.9
87.5°	11.8	88.4	3.5	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: P458990
 CATALOG NUMBER: GLAN-SA5A-735-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5
2.5°	4790.3	4779.6	4797.3	4721.9	4737.2	4765.5	4779.6	4787.9	4904.6	4877.5	4951.8
5°	3737.2	3726.5	3794.9	3804.4	3839.7	3832.7	3866.9	3875.1	3917.6	3932.9	4036.7
7.5°	2718.2	2764.2	2842.1	2882.2	2942.3	2961.2	2943.5	2987.1	2898.7	2962.4	2981.2
10°	2184.0	2128.6	2095.6	2187.6	2199.4	2286.6	2251.3	2223.0	2274.8	2277.2	2326.7
12.5°	1818.5	1699.3	1620.3	1646.3	1674.6	1712.3	1718.2	1774.8	1812.6	1847.9	1877.4
15°	1425.8	1384.5	1312.5	1277.2	1317.3	1332.6	1369.1	1416.3	1456.4	1467.0	1507.1
17.5°	1094.4	1101.5	1089.7	1068.4	1093.2	1105.0	1107.3	1108.5	1119.1	1112.1	1171.0
20°	880.9	905.7	935.2	939.9	948.1	954.0	943.4	903.3	904.5	929.3	948.1
22.5°	797.2	801.9	834.9	845.5	871.5	860.9	830.2	811.3	809.0	814.9	824.3
25°	731.2	738.2	761.8	778.3	798.4	779.5	757.1	739.4	737.1	742.9	752.4
27.5°	672.2	682.8	704.0	720.5	739.4	721.7	700.5	685.2	684.0	682.8	688.7
30°	625.0	636.8	652.1	671.0	684.0	668.7	648.6	640.4	639.2	636.8	639.2
32.5°	577.8	596.7	612.0	621.5	634.5	622.7	607.3	602.6	594.4	587.3	583.7
35°	524.8	544.8	568.4	580.2	593.2	581.4	570.8	550.7	536.6	535.4	537.8
37.5°	494.1	502.4	521.2	541.3	554.3	548.4	528.3	508.3	504.7	504.7	507.1
40°	467.0	470.5	478.8	504.7	528.3	510.6	485.9	480.0	480.0	478.8	480.0
42.5°	439.9	443.4	443.4	463.5	501.2	472.9	454.0	454.0	454.0	455.2	458.7
45°	415.1	416.3	415.1	429.3	464.6	441.1	428.1	431.6	434.0	436.3	438.7
47.5°	393.9	395.1	393.9	405.7	423.4	413.9	406.9	411.6	416.3	419.8	422.2
50°	375.0	373.8	376.2	383.3	391.5	393.9	389.2	396.2	398.6	403.3	409.2
52.5°	358.5	357.3	359.7	363.2	375.0	375.0	375.0	380.9	385.6	390.3	398.6
55°	339.6	340.8	344.4	349.1	364.4	362.0	363.2	367.9	372.7	379.7	384.4
57.5°	321.9	324.3	329.0	336.1	351.4	350.2	351.4	353.8	359.7	363.2	367.9
60°	301.9	306.6	312.5	317.2	332.6	331.4	337.3	342.0	345.5	345.5	347.9
62.5°	281.8	288.9	294.8	298.4	314.9	316.0	324.3	327.8	330.2	327.8	331.4
65°	261.8	272.4	274.8	279.5	296.0	297.2	306.6	314.9	312.5	310.2	316.0
67.5°	241.8	254.7	253.5	259.4	276.0	278.3	286.6	300.7	296.0	293.6	298.4
70°	219.3	228.8	230.0	233.5	255.9	252.4	265.3	278.3	274.8	276.0	276.0
72.5°	194.6	202.8	202.8	209.9	233.5	227.6	238.2	252.4	252.4	251.2	251.2
75°	165.1	169.8	174.5	185.1	209.9	202.8	209.9	222.9	225.2	222.9	222.9
77.5°	133.3	140.3	142.7	156.8	174.5	173.4	180.4	186.3	191.0	188.7	188.7
80°	94.3	101.4	110.9	126.2	136.8	140.3	143.9	148.6	150.9	150.9	153.3
82.5°	53.1	63.7	71.9	87.3	92.0	109.7	108.5	112.0	108.5	95.5	106.1
85°	11.8	22.4	31.8	40.1	46.0	63.7	67.2	75.5	62.5	57.8	57.8
87.5°	0.0	0.0	0.0	0.0	0.0	9.4	18.9	25.9	22.4	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: P458990
 CATALOG NUMBER: GLAN-SA5A-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5	5745.5
2.5°	5014.3	5116.9	5240.7	5454.2	5604.0	5765.5	5928.3	6101.6	6147.6	6194.8
5°	4065.0	4266.6	4376.3	4662.9	4963.6	5345.7	5658.2	6000.2	6142.9	6175.9
7.5°	3079.1	3215.9	3503.7	3793.8	4166.4	4567.4	5046.2	5579.2	5745.5	5815.0
10°	2441.1	2627.4	2879.8	3191.1	3517.8	3949.4	4489.5	5112.2	5348.1	5387.0
12.5°	2077.9	2285.5	2560.2	2889.2	3198.2	3523.7	4068.5	4711.2	4963.6	5047.3
15°	1661.6	1912.8	2230.0	2576.7	2912.8	3269.0	3820.9	4546.1	4837.4	4935.3
17.5°	1305.5	1508.3	1851.5	2227.7	2626.3	3076.8	3769.0	4625.2	4983.7	5074.5
20°	998.9	1143.9	1432.8	1830.2	2297.2	2886.9	3782.0	4923.5	5352.8	5476.6
22.5°	863.2	937.5	1113.2	1491.8	2014.2	2721.8	3835.0	5332.7	5850.4	6056.8
25°	781.9	820.8	919.8	1167.5	1744.2	2561.4	3956.5	5883.4	6546.2	6683.0
27.5°	712.3	740.6	801.9	980.0	1498.9	2412.8	4098.0	6494.3	7196.0	7400.0
30°	646.2	684.0	741.8	870.3	1342.0	2277.2	4276.1	6989.6	7743.2	7933.0
32.5°	595.5	633.3	686.3	793.7	1208.8	2134.5	4382.2	7424.8	8190.1	8351.7
35°	554.3	586.1	641.5	732.3	1107.3	2026.0	4361.0	7770.3	8622.9	8788.0
37.5°	524.8	551.9	607.3	674.6	1030.7	1912.8	4350.4	8226.7	9150.1	9341.1
40°	497.7	526.0	576.7	636.8	954.0	1779.5	4356.3	8679.5	9711.4	9902.4
42.5°	476.4	508.3	549.5	626.2	875.0	1672.2	4356.3	9073.4	10199.6	10383.6
45°	458.7	492.9	533.0	625.0	812.5	1590.9	4326.8	9411.9	10588.8	10745.6
47.5°	443.4	481.1	538.9	603.8	797.2	1531.9	4300.8	9683.1	10906.0	11053.4
50°	432.8	477.6	573.1	579.0	801.9	1514.2	4425.9	10025.1	11185.5	11312.9
52.5°	424.5	478.8	572.0	542.5	793.7	1526.0	4686.5	10559.3	11573.5	11582.9
55°	408.0	477.6	542.5	501.2	759.5	1546.0	5021.4	11335.3	12180.8	12187.9
57.5°	391.5	464.6	503.6	465.8	689.9	1546.0	5424.7	12070.0	12913.2	12919.1
60°	375.0	483.5	442.2	435.2	599.1	1517.7	5850.4	12393.1	13143.1	13203.3
62.5°	358.5	487.0	395.1	408.0	533.0	1449.3	6167.7	12035.8	12831.8	12917.9
65°	339.6	392.7	364.4	379.7	498.8	1334.9	6067.4	11381.3	12246.9	12349.5
67.5°	317.2	332.6	331.4	350.2	487.0	1166.3	5539.1	10553.4	11617.1	11611.2
70°	290.1	298.4	301.9	321.9	464.6	1035.4	4615.7	9479.1	10776.3	10908.4
72.5°	261.8	268.9	272.4	290.1	442.2	961.1	3582.7	7999.1	9334.0	9540.4
75°	231.1	235.9	240.6	255.9	418.6	851.4	2552.0	6106.3	7148.8	7473.1
77.5°	199.3	199.3	205.2	220.5	352.6	702.9	1712.3	4283.2	4843.3	5174.7
80°	161.6	162.7	160.4	176.9	259.4	481.1	972.9	2860.9	3223.0	3286.7
82.5°	123.8	120.3	121.5	129.7	193.4	327.8	518.9	1777.2	1811.4	1776.0
85°	77.8	77.8	75.5	84.9	123.8	171.0	283.0	1088.5	850.3	809.0
87.5°	31.8	25.9	29.5	34.2	59.0	69.6	110.9	224.1	86.1	79.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)