

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: P533591

Luminaire Tested: **GLAN-SA9A-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9A-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21351 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

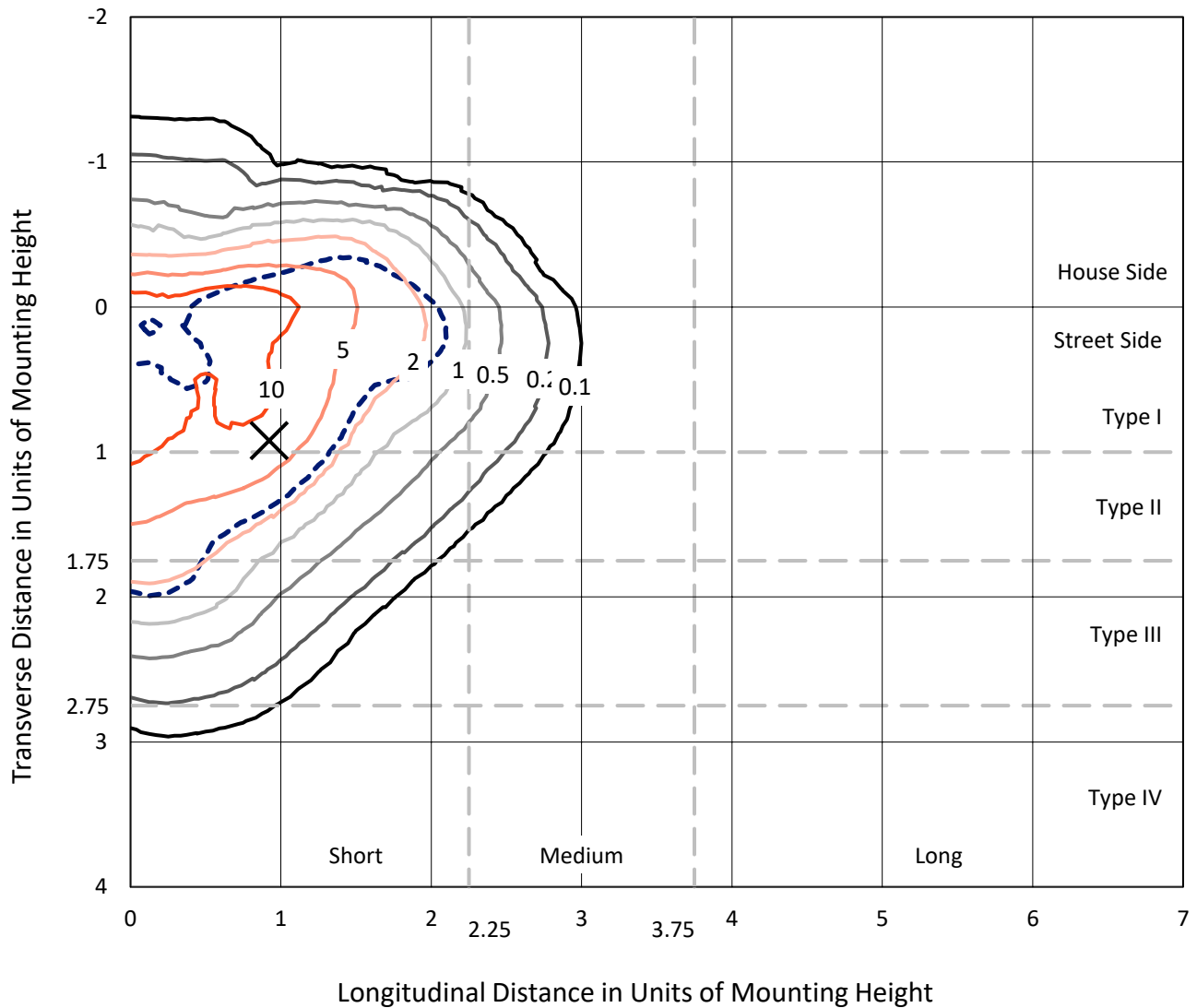
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533591
 CATALOG NUMBER: GLAN-SA9A-735-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

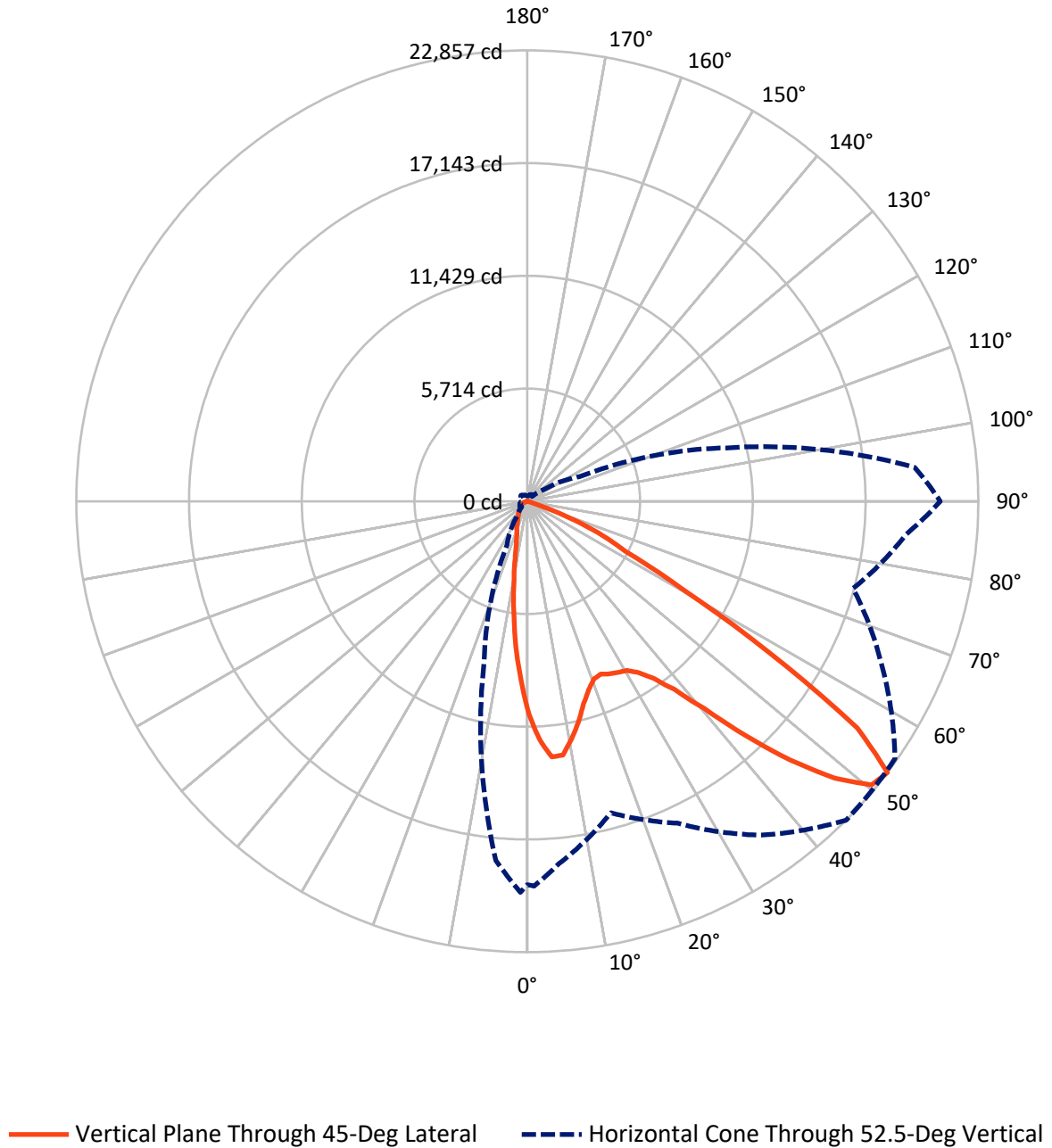
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type III - Short - N/A

REPORT NUMBER: P533591
CATALOG NUMBER: GLAN-SA9A-735-U-SLL-GRSBK

Luminous Intensity Polar Plot



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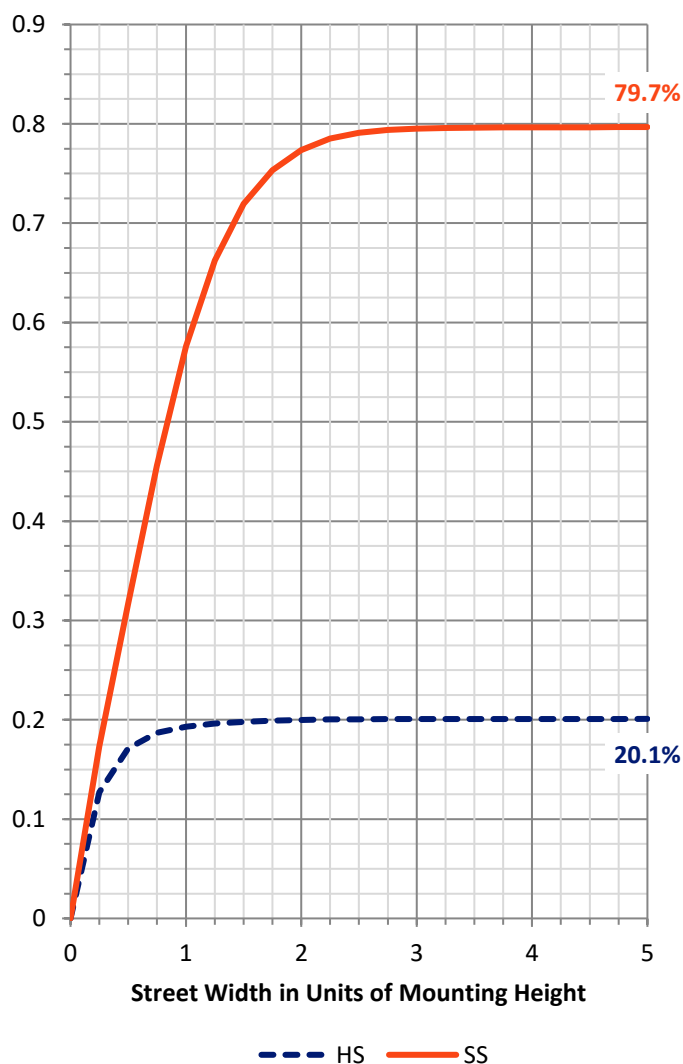
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4333.2	0.0	4333.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	17017.8	0.0	17017.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	21351.0	0.0	21351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.5	3.7
10°-20°	1557.7	7.3
20°-30°	2370.5	11.1
30°-40°	3543.1	16.6
40°-50°	5045.6	23.6
50°-60°	5423.9	25.4
60°-70°	2403.5	11.3
70°-80°	194.5	0.9
80°-90°	22.7	0.1
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°	21351.0	100.0
0°-180°	21351.0	100.0

Coefficient of Utilization

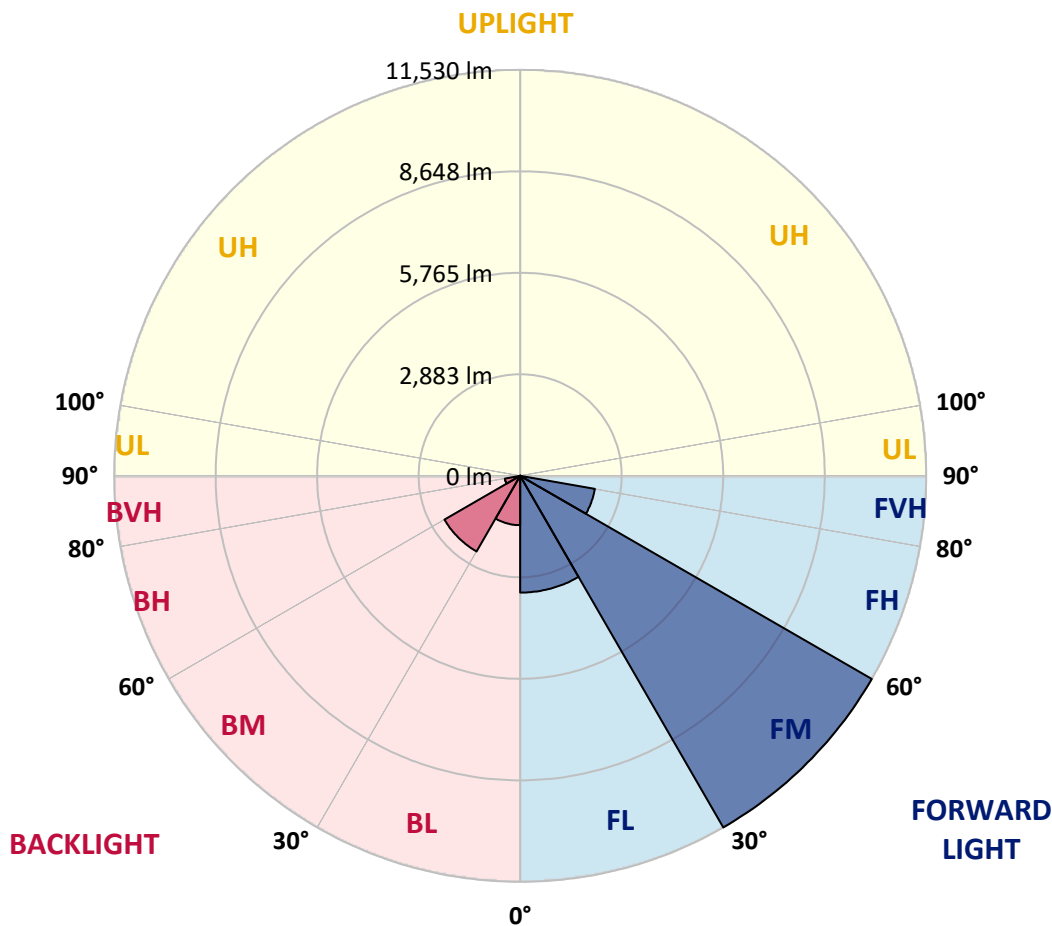


REPORT NUMBER: P533591
 CATALOG NUMBER: GLAN-SA9A-735-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3316.2	15.5			
FM (30°-60°)	11530.2	54.0			
FH (60°-80°)	2154.6	10.1			G2/5000
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	1401.5	6.6	B3/2500		
BM (30°-60°)	2482.4	11.6	B2/2500		
BH (60°-80°)	443.4	2.1	B1/500		G1/500
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





REPORT NUMBER: P533591

CATALOG NUMBER: GLAN-SA9A-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9
2.5°	11455.9	11489.4	11674.2	11905.2	12027.0	12304.1	12111.0	12161.3	12056.4	11686.8	11397.1
5°	11107.3	11103.1	11338.3	11909.4	12451.1	13001.2	13018.0	12724.1	12207.5	11640.6	10830.1
7.5°	10057.5	10221.2	10464.8	11376.1	12379.7	12791.2	12988.6	12644.3	11850.6	11040.1	10162.5
10°	9263.8	9347.8	9759.3	10859.5	11594.4	12144.5	12266.3	12069.0	11460.1	10448.0	9465.4
12.5°	8806.1	8848.1	9331.0	10254.8	11031.7	11439.1	11497.8	11590.2	11153.5	10204.4	9024.4
15°	8810.3	8843.9	9494.8	10267.4	10574.0	10464.8	10658.0	10653.8	10842.7	10158.3	9394.0
17.5°	9444.4	9482.2	10070.1	10452.2	10317.8	10061.7	10049.1	10242.2	10641.2	10733.6	9952.5
20°	10536.2	10624.4	11056.9	11035.9	10280.0	9763.5	9620.7	9767.7	10695.8	11220.7	11077.9
22.5°	12006.0	12127.8	12430.1	11850.6	10452.2	9561.9	9515.7	9801.3	11056.9	12308.3	12354.5
25°	13710.9	13916.7	14063.7	13320.4	11065.3	9910.5	9692.1	10183.4	11544.0	13488.3	13979.7
27.5°	14840.5	15054.7	15021.1	13958.7	11476.9	10002.9	9818.1	10275.8	11968.2	13769.7	14827.9
30°	15722.4	15852.6	16087.7	14303.0	11888.4	10263.2	9948.3	10666.4	12106.8	14256.8	15852.6
32.5°	16751.2	16839.4	16856.2	14911.9	12522.5	10590.8	10351.4	11153.5	12719.9	14723.0	16759.6
35°	17788.5	17918.7	17645.7	15663.6	12913.0	11199.7	11023.3	11997.6	13211.2	15205.9	17759.1
37.5°	18913.9	18981.1	18351.2	15974.4	13471.5	12190.7	12094.2	12908.8	14063.7	16079.3	18867.7
40°	19858.8	19921.8	19102.9	16356.5	14059.5	13576.5	13824.3	14647.4	15222.7	16646.3	19422.0
42.5°	20383.7	20530.7	19354.8	16146.5	15239.5	15147.1	16247.3	16537.1	16566.5	16805.8	19917.6
45°	20526.5	20459.3	18939.1	16318.7	16272.5	17729.7	18729.1	19111.3	17901.9	17099.8	20043.5
47.5°	19867.2	19955.4	18326.0	16167.5	17628.9	19686.6	20980.0	21689.7	18897.1	16843.6	19732.8
50°	19333.9	19220.5	18128.6	16058.4	17994.3	20610.5	22605.2	22764.7	19812.6	17158.6	19392.6
52.5°	19438.8	19510.2	18443.6	16348.1	18002.7	20665.0	22857.1	22747.9	19842.0	17087.2	19270.9
55°	19661.4	19346.5	18309.2	15709.8	16797.4	19140.7	20287.1	20119.1	18313.4	16327.1	18972.7
57.5°	16965.4	17452.5	16835.2	14025.9	13786.5	14420.6	14399.6	14916.1	13660.5	14051.1	17272.0
60°	13769.7	13853.7	14084.7	11997.6	9540.9	9322.6	9020.2	8692.7	9192.4	12014.4	15709.8
62.5°	12111.0	12010.2	12833.2	10914.1	6735.8	5639.7	5589.3	5790.9	7092.7	11460.1	14735.6
65°	8801.9	8927.8	9524.1	8470.1	5056.0	4304.3	4228.8	4825.1	5740.5	9184.0	11245.9
67.5°	5375.2	5618.7	5673.3	5224.0	3430.9	2725.4	2616.2	3157.9	4144.8	5942.1	6593.0
70°	2481.8	2775.8	3052.9	2851.4	1986.3	1121.2	1058.2	1327.0	2091.3	3418.3	3498.1
72.5°	751.7	755.9	1058.2	1104.4	642.5	252.0	222.6	294.0	709.7	1129.6	1188.4
75°	54.6	58.8	142.8	163.8	121.8	63.0	67.2	79.8	151.2	252.0	189.0
77.5°	4.2	4.2	4.2	21.0	37.8	42.0	54.6	63.0	79.8	92.4	84.0
80°	4.2	0.0	4.2	16.8	29.4	42.0	50.4	58.8	63.0	71.4	63.0
82.5°	0.0	0.0	0.0	12.6	29.4	42.0	46.2	63.0	71.4	84.0	71.4
85°	0.0	0.0	0.0	12.6	29.4	46.2	42.0	21.0	0.0	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



REPORT NUMBER: P533591

CATALOG NUMBER: GLAN-SA9A-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9
2.5°	11447.5	11283.7	10909.9	10721.0	10275.8	10212.8	9776.1	9704.7	9557.7	9478.0	9284.8
5°	10473.2	10275.8	9666.9	9154.6	8558.3	8142.6	7823.4	7533.7	7365.7	7210.3	7281.7
7.5°	9679.5	9104.2	8428.1	7571.4	6882.8	6437.6	5950.5	5551.6	5316.4	5156.8	5194.6
10°	8848.1	8474.3	7533.7	6572.0	5740.5	5425.6	5043.4	4736.9	4405.1	4119.6	3985.2
12.5°	8587.7	8033.4	6853.4	5874.9	5245.0	4938.4	4501.7	4149.0	3724.8	3376.3	3254.5
15°	8633.9	8100.6	6668.6	5622.9	4879.7	4350.5	3829.8	3393.1	2927.0	2683.4	2557.4
17.5°	9385.6	8461.7	6790.4	5358.4	4371.5	3636.6	2994.1	2439.8	2091.3	1839.3	1784.7
20°	10309.4	9242.8	7050.7	5165.2	3955.8	2893.4	2187.9	1709.1	1419.4	1377.4	1364.8
22.5°	11661.6	10519.4	7609.2	5035.0	3447.7	2255.1	1499.2	1243.0	1163.2	1154.8	1159.0
25°	13551.3	12119.4	8218.1	4925.8	3065.5	1738.5	1226.2	1054.0	1028.8	1016.2	1037.2
27.5°	14370.2	13085.2	8541.5	4690.7	2717.0	1566.4	1209.4	1045.6	974.3	953.3	965.9
30°	15382.3	13727.7	9049.6	4287.5	2204.7	1289.2	1129.6	1138.0	1104.4	999.4	965.9
32.5°	16726.0	14529.8	9305.8	4002.0	1969.5	1066.6	827.3	760.1	848.3	865.1	894.5
35°	17586.9	15344.5	9436.0	3834.0	1847.7	911.3	701.3	638.3	617.3	621.5	638.3
37.5°	19186.9	16444.7	9599.7	3657.6	1755.3	793.7	634.1	575.3	545.9	545.9	562.7
40°	20144.3	17318.2	9822.3	3561.1	1662.9	722.3	575.3	524.9	499.7	499.7	508.1
42.5°	20383.7	17750.7	9746.7	3527.5	1558.0	705.5	524.9	487.1	457.7	453.5	449.3
45°	20812.0	18410.0	9759.3	3489.7	1448.8	642.5	495.5	453.5	411.5	407.3	403.1
47.5°	21282.4	18884.5	9784.5	3342.7	1343.8	537.5	516.5	419.9	369.5	361.1	361.1
50°	20879.2	19262.5	10002.9	3195.7	1209.4	436.7	508.1	394.7	327.6	315.0	319.2
52.5°	20929.6	19707.6	10464.8	2989.9	1041.4	348.5	411.5	373.7	298.2	277.2	281.4
55°	20123.3	19237.3	10527.8	2771.6	814.7	268.8	315.0	327.6	252.0	243.6	243.6
57.5°	17322.4	16289.3	9289.0	2246.7	537.5	222.6	226.8	285.6	218.4	210.0	214.2
60°	14823.7	13076.8	7474.9	1482.4	335.9	176.4	163.8	289.8	193.2	189.0	201.6
62.5°	13513.5	10746.2	5669.1	919.7	231.0	134.4	113.4	235.2	168.0	168.0	184.8
65°	9763.5	7218.7	3296.5	482.9	163.8	105.0	84.0	134.4	138.6	142.8	151.2
67.5°	6047.1	3645.0	1390.0	235.2	109.2	71.4	54.6	84.0	92.4	92.4	100.8
70°	2985.7	1453.0	461.9	134.4	84.0	58.8	37.8	46.2	46.2	42.0	46.2
72.5°	923.9	436.7	117.6	84.0	58.8	37.8	21.0	16.8	8.4	0.0	4.2
75°	105.0	84.0	75.6	58.8	37.8	16.8	4.2	0.0	0.0	0.0	0.0
77.5°	63.0	71.4	71.4	58.8	37.8	12.6	0.0	0.0	0.0	0.0	0.0
80°	50.4	54.6	58.8	54.6	33.6	16.8	0.0	0.0	0.0	0.0	0.0
82.5°	63.0	71.4	79.8	71.4	46.2	21.0	8.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	12.6	4.2	0.0	0.0	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



REPORT NUMBER: P533591

CATALOG NUMBER: GLAN-SA9A-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9
2.5°	9205.0	9112.6	9242.8	9049.6	9045.4	9049.6	8995.0	8944.6	9024.4	9238.6	9259.6
5°	7025.5	7222.9	7285.9	7491.7	7378.3	7210.3	7243.9	7130.5	7407.7	7529.5	7432.9
7.5°	5114.8	5102.2	5526.4	5551.6	5606.1	5610.3	5601.9	5379.4	5152.6	5203.0	5354.2
10°	3968.4	3754.2	3960.0	3939.0	4073.4	4035.6	4090.2	3850.8	3930.6	3930.6	4027.2
12.5°	3233.5	3006.7	2968.9	2914.4	2968.9	2989.9	3010.9	2964.7	3099.1	3162.1	3229.3
15°	2469.2	2343.2	2309.6	2204.7	2221.5	2280.3	2330.6	2351.6	2309.6	2406.2	2414.6
17.5°	1793.1	1788.9	1809.9	1805.7	1788.9	1776.3	1772.1	1717.5	1700.7	1709.1	1742.7
20°	1360.6	1394.2	1465.6	1537.0	1574.8	1528.6	1465.6	1373.2	1335.4	1343.8	1348.0
22.5°	1163.2	1213.6	1310.2	1390.0	1427.8	1343.8	1230.4	1150.6	1133.8	1129.6	1125.4
25°	1054.0	1112.8	1184.2	1209.4	1205.2	1154.8	1070.8	1037.2	1028.8	1020.4	982.7
27.5°	995.2	1016.2	1028.8	1058.2	1070.8	1037.2	1016.2	965.9	957.5	957.5	932.3
30°	961.7	949.1	965.9	944.9	961.7	936.5	940.7	940.7	919.7	928.1	928.1
32.5°	894.5	898.7	898.7	856.7	869.3	839.9	869.3	894.5	898.7	902.9	936.5
35°	655.1	730.7	768.5	768.5	781.1	760.1	755.9	726.5	688.7	650.9	634.1
37.5°	575.3	604.7	655.1	684.5	705.5	688.7	650.9	604.7	583.7	566.9	550.1
40°	512.3	537.5	571.1	604.7	646.7	625.7	566.9	545.9	520.7	520.7	503.9
42.5°	461.9	474.5	495.5	545.9	592.1	550.1	508.1	491.3	478.7	474.5	470.3
45°	415.7	419.9	440.9	482.9	537.5	495.5	453.5	432.5	436.7	440.9	436.7
47.5°	373.7	382.1	394.7	445.1	478.7	457.7	411.5	398.9	398.9	398.9	403.1
50°	323.4	344.3	369.5	411.5	436.7	424.1	386.3	369.5	361.1	361.1	365.3
52.5°	289.8	306.6	340.1	390.5	424.1	403.1	365.3	340.1	323.4	319.2	327.6
55°	252.0	281.4	335.9	373.7	419.9	398.9	356.9	327.6	298.2	294.0	294.0
57.5°	226.8	273.0	323.4	369.5	407.3	390.5	356.9	319.2	281.4	277.2	277.2
60°	214.2	264.6	315.0	356.9	407.3	382.1	352.7	310.8	268.8	268.8	264.6
62.5°	201.6	247.8	298.2	340.1	390.5	369.5	340.1	298.2	256.2	256.2	247.8
65°	168.0	214.2	247.8	285.6	340.1	319.2	289.8	260.4	226.8	218.4	222.6
67.5°	117.6	147.0	180.6	218.4	252.0	243.6	231.0	210.0	180.6	176.4	172.2
70°	58.8	79.8	109.2	147.0	176.4	168.0	159.6	142.8	126.0	121.8	121.8
72.5°	8.4	25.2	46.2	67.2	92.4	96.6	92.4	88.2	84.0	79.8	84.0
75°	0.0	0.0	0.0	16.8	37.8	46.2	54.6	63.0	63.0	54.6	67.2
77.5°	0.0	0.0	0.0	0.0	4.2	21.0	42.0	54.6	67.2	58.8	79.8
80°	0.0	0.0	0.0	0.0	4.2	25.2	42.0	58.8	67.2	58.8	84.0
82.5°	0.0	0.0	0.0	0.0	4.2	29.4	42.0	54.6	63.0	58.8	75.6
85°	0.0	0.0	0.0	0.0	12.6	25.2	16.8	8.4	4.2	4.2	12.6
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



REPORT NUMBER: P533591

CATALOG NUMBER: GLAN-SA9A-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9	10825.9
2.5°	9377.2	9675.3	9994.5	10116.3	10494.2	10779.8	10972.9	11388.7	11451.7	11455.9
5°	7533.7	7684.8	8230.7	8486.9	9049.6	9486.4	9952.5	10624.4	11073.7	11107.3
7.5°	5354.2	5774.1	6005.1	6672.8	7365.7	8050.2	8743.1	9524.1	10044.9	10057.5
10°	4308.5	4581.5	4993.0	5492.8	6076.5	6773.6	7697.4	8604.5	9133.6	9263.8
12.5°	3468.7	3947.4	4417.7	4934.2	5379.4	5904.3	6899.5	8109.0	8545.7	8806.1
15°	2670.8	3107.5	3661.8	4266.5	4770.5	5471.8	6605.6	7987.2	8722.1	8810.3
17.5°	1969.5	2360.0	2872.4	3443.5	4199.4	5194.6	6656.0	8604.5	9297.4	9444.4
20°	1415.2	1641.9	2045.1	2708.6	3670.2	4871.3	6706.4	9230.2	10284.2	10536.2
22.5°	1121.2	1213.6	1478.2	2066.1	3078.1	4531.1	7063.3	10427.0	11640.6	12006.0
25°	974.3	1024.6	1150.6	1629.4	2704.4	4497.5	7634.4	11863.2	13446.3	13710.9
27.5°	940.7	949.1	1058.2	1495.0	2502.8	4274.9	7852.8	12883.6	14571.8	14840.5
30°	991.0	1125.4	1133.8	1264.0	2129.1	3834.0	7966.2	13870.5	15525.0	15722.4
32.5°	856.7	814.7	844.1	978.5	1872.9	3577.9	8180.4	14731.4	16612.7	16751.2
35°	596.3	625.7	692.9	848.3	1637.8	3309.1	8234.9	15680.4	17645.7	17788.5
37.5°	550.1	566.9	621.5	722.3	1440.4	3157.9	8159.4	16373.3	18716.5	18913.9
40°	512.3	533.3	562.7	655.1	1293.4	2989.9	8054.4	16999.0	19371.6	19858.8
42.5°	482.9	499.7	524.9	625.7	1167.4	2822.0	7907.4	17880.9	19959.6	20383.7
45°	449.3	474.5	503.9	608.9	1096.0	2708.6	7798.2	17826.3	20299.7	20526.5
47.5°	415.7	457.7	491.3	566.9	1075.0	2654.0	7844.4	17620.5	20022.5	19867.2
50°	382.1	436.7	495.5	470.3	1024.6	2544.8	7899.0	17901.9	19363.2	19333.9
52.5°	352.7	415.7	461.9	386.3	911.3	2439.8	8428.1	18271.4	19829.4	19438.8
55°	310.8	373.7	369.5	310.8	739.1	2360.0	8843.9	18279.8	19514.4	19661.4
57.5°	281.4	331.7	289.8	260.4	545.9	1973.7	8167.8	15327.7	16705.1	16965.4
60°	260.4	323.4	218.4	205.8	356.9	1423.6	7130.5	11871.6	13278.4	13769.7
62.5°	239.4	306.6	172.2	168.0	247.8	1012.0	5862.3	9935.7	11443.3	12111.0
65°	210.0	218.4	138.6	130.2	176.4	545.9	3569.5	6840.8	8554.1	8801.9
67.5°	172.2	168.0	113.4	105.0	117.6	264.6	1574.8	3426.7	4959.4	5375.2
70°	138.6	138.6	96.6	84.0	84.0	121.8	411.5	1364.8	2242.5	2481.8
72.5°	100.8	105.0	75.6	67.2	63.0	58.8	67.2	273.0	587.9	751.7
75°	88.2	92.4	75.6	58.8	46.2	37.8	29.4	25.2	33.6	54.6
77.5°	96.6	96.6	79.8	54.6	42.0	29.4	16.8	8.4	8.4	4.2
80°	121.8	126.0	105.0	71.4	50.4	33.6	21.0	8.4	4.2	4.2
82.5°	130.2	142.8	117.6	88.2	63.0	37.8	21.0	4.2	0.0	0.0
85°	33.6	54.6	92.4	79.8	63.0	37.8	21.0	4.2	0.0	0.0
87.5°	0.0	4.2	12.6	12.6	16.8	16.8	12.6	4.2	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)