

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: P531923

Luminaire Tested: **GLAN-SA7B-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-730-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21068 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 286
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

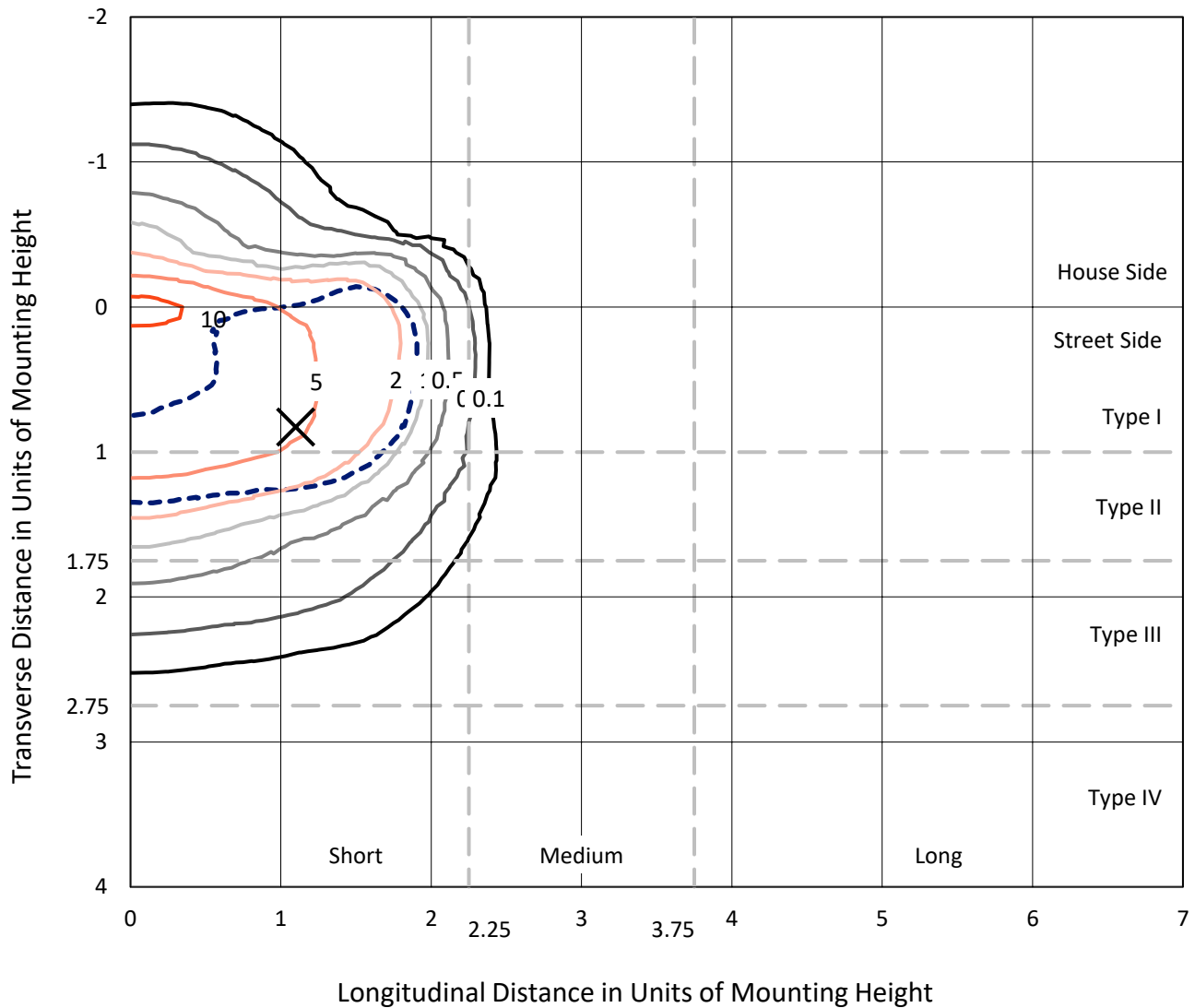


REPORT NUMBER: P531923

CATALOG NUMBER: GLAN-SA7B-730-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

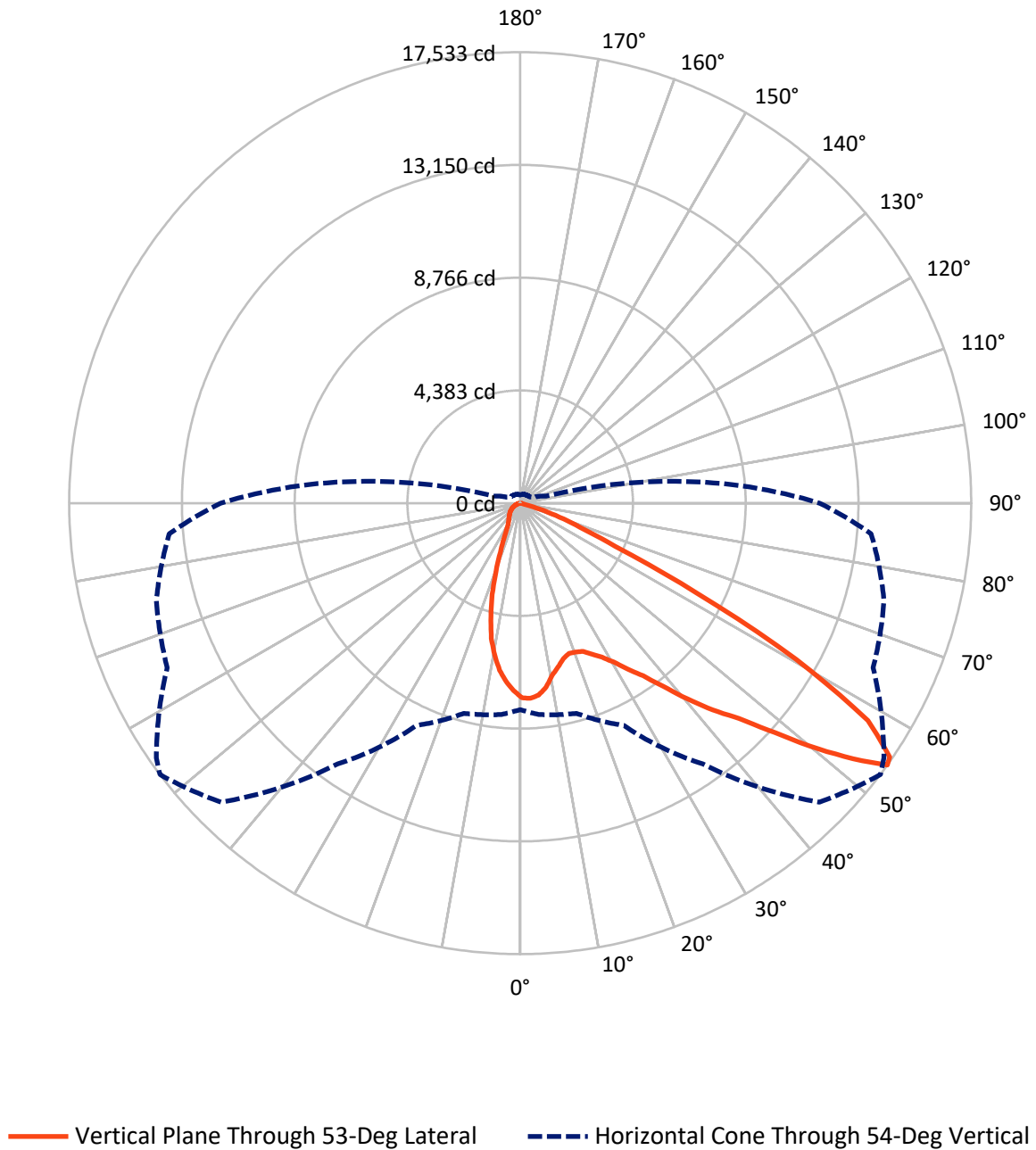


Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

REPORT NUMBER: P531923

CATALOG NUMBER: GLAN-SA7B-730-U-SL2-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P531923

CATALOG NUMBER: GLAN-SA7B-730-U-SL2-GRSBK

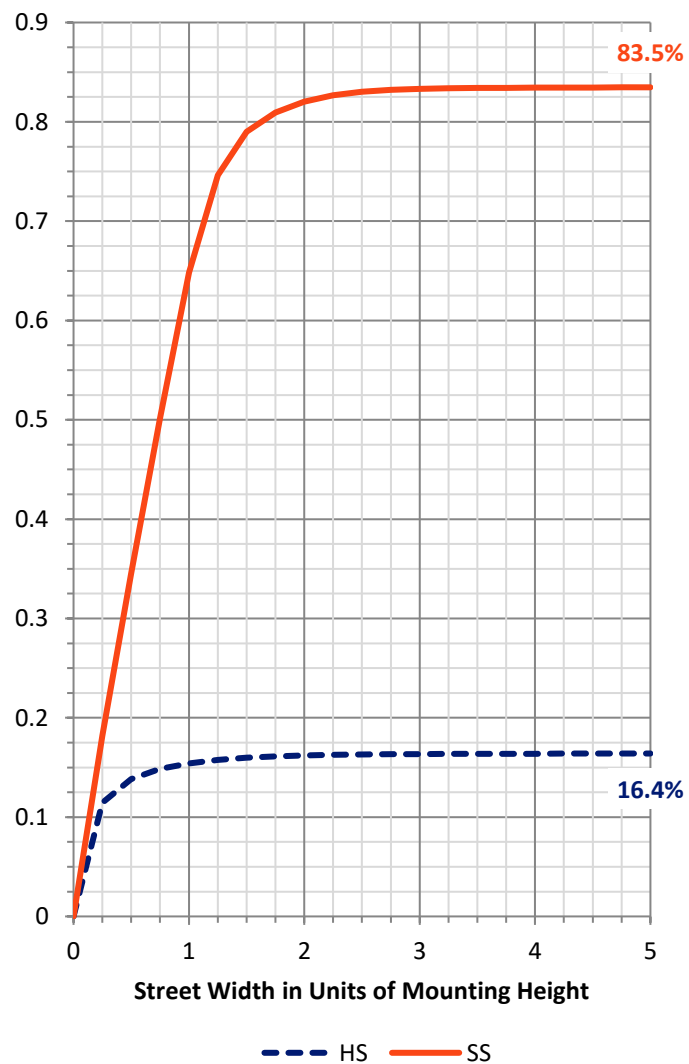
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3485.7	0.0	3485.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	17582.2	0.0	17582.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	21068.0	0.0	21068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.3	3.1
10°-20°	1488.5	7.1
20°-30°	2115.5	10.0
30°-40°	3264.8	15.5
40°-50°	5118.9	24.3
50°-60°	5946.3	28.2
60°-70°	2246.9	10.7
70°-80°	213.6	1.0
80°-90°	24.0	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°	21068.0	100.0
0°-180°	21068.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531923

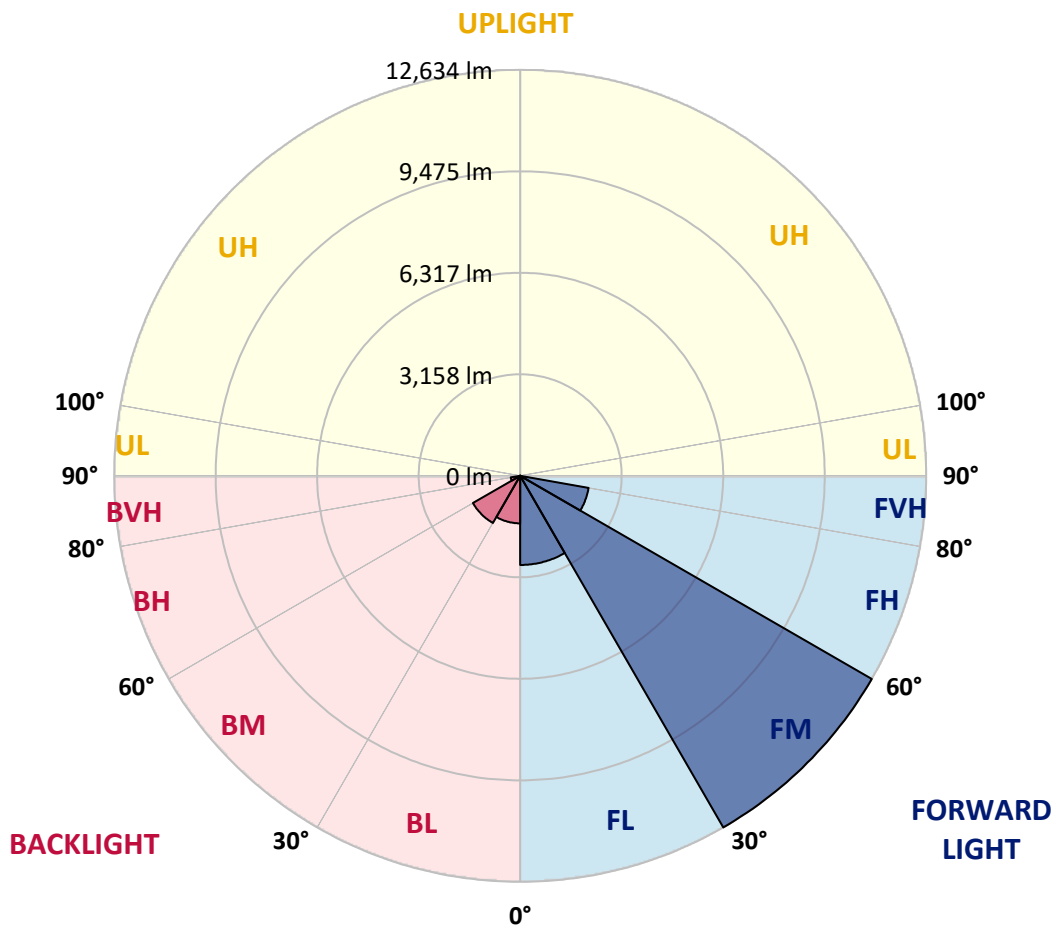
CATALOG NUMBER: GLAN-SA7B-730-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2774.1	13.2			
FM	(30°-60°)	12633.8	60.0			
FH	(60°-80°)	2161.9	10.3			G2/5000
FVH	(80°-90°)	12.4	0.1			G1/100
BL	(0°-30°)	1479.2	7.0	B3/2500		
BM	(30°-60°)	1696.3	8.1	B2/2500		
BH	(60°-80°)	298.6	1.4	B1/500		G1/500
BVH	(80°-90°)	11.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short



REPORT NUMBER: P531923

CATALOG NUMBER: GLAN-SA7B-730-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3
2.5°	7528.0	7461.3	7528.0	7535.9	7583.0	7626.1	7598.7	7661.5	7626.1	7586.9	7575.1
5°	6919.7	7009.9	7013.9	7155.2	7123.8	7382.8	7496.6	7465.2	7657.5	7645.8	7618.3
7.5°	6374.1	6338.8	6385.9	6550.7	6758.7	7057.0	7221.9	7218.0	7492.7	7688.9	7669.3
10°	5867.8	5863.8	5962.0	6091.5	6268.1	6582.1	6809.8	6923.6	7351.4	7649.7	7692.9
12.5°	5526.3	5510.6	5616.6	5722.6	6001.2	6244.6	6535.0	6590.0	7080.6	7512.3	7583.0
15°	5302.6	5337.9	5345.8	5549.9	5726.5	6048.3	6276.0	6389.8	6955.0	7402.4	7673.2
17.5°	5263.3	5310.4	5314.4	5483.1	5671.5	5942.3	6142.5	6295.6	6849.0	7457.4	7677.2
20°	5341.8	5314.4	5337.9	5443.9	5628.4	5887.4	6177.8	6228.9	6813.7	7484.8	7720.3
22.5°	5565.6	5557.7	5498.8	5585.2	5714.7	5985.5	6260.3	6338.8	6915.7	7626.1	7755.7
25°	5812.8	5856.0	5801.1	5789.3	5879.5	6146.4	6511.5	6613.5	7257.2	7881.3	7865.6
27.5°	6276.0	6232.8	6232.8	6177.8	6154.3	6283.8	6782.3	6951.1	7637.9	8211.0	7991.2
30°	6719.5	6766.6	6731.3	6750.9	6593.9	6582.1	7166.9	7374.9	8313.0	8713.4	8258.1
32.5°	7422.0	7359.2	7418.1	7367.1	7159.1	6947.1	7688.9	7904.8	9129.4	9290.3	8658.4
35°	8006.9	7979.4	8230.6	8222.7	7885.2	7677.2	8242.4	8564.2	9698.5	9981.1	9129.4
37.5°	8838.9	8787.9	9074.4	9211.8	8909.6	8599.5	9035.2	9408.1	10228.4	10534.5	9612.2
40°	9694.6	9824.1	10208.8	10436.4	10114.6	9702.4	10004.7	10118.5	10581.6	10895.6	9941.9
42.5°	10777.9	10966.3	11358.8	11555.0	11527.5	11080.1	10989.8	10985.9	10836.7	10793.6	10185.2
45°	11818.0	11747.3	12351.8	12779.6	13125.0	12995.5	11939.6	11821.9	11241.0	10946.6	10248.0
47.5°	12273.3	12249.7	12661.8	13423.3	14600.7	14761.7	13321.2	12865.9	11923.9	11590.3	10589.5
50°	11684.5	11806.2	12214.4	13058.3	14863.7	16092.2	15016.8	14404.5	12720.7	12375.3	11398.0
52.5°	9761.3	9843.7	10232.3	11303.8	13968.8	16877.2	16641.7	16288.5	14184.7	13611.7	12807.1
54°	8026.5	8246.3	8458.2	9533.7	12375.3	16441.5	17532.7	17261.9	15138.5	14640.0	13694.1
55°	6990.3	7119.8	7272.9	8344.4	11272.4	15703.7	17430.6	17454.2	15778.2	14961.8	14290.7
57.5°	5106.3	5196.6	5039.6	5514.5	7740.0	12752.1	15943.1	16578.9	16641.7	15444.6	14655.7
60°	3901.4	3940.6	3764.0	3838.6	4812.0	8752.6	12332.1	13097.5	15012.9	13497.8	12414.6
62.5°	3026.1	3034.0	3030.0	3159.6	3316.6	5149.5	7712.5	8391.5	10350.0	9584.7	8430.8
65°	2229.4	2194.0	2256.8	2649.3	2829.9	3238.1	4062.3	4556.8	5624.4	4749.2	3395.1
67.5°	1444.4	1456.2	1518.9	1970.3	2425.6	2484.5	2500.2	2460.9	2464.9	1358.0	851.7
70°	867.4	887.0	867.4	1114.7	1734.8	1781.9	1628.8	1589.6	1240.3	321.8	317.9
72.5°	514.2	486.7	435.7	478.8	722.2	863.5	777.1	773.2	486.7	188.4	188.4
75°	215.9	196.2	160.9	145.2	192.3	184.5	184.5	164.8	129.5	125.6	117.7
77.5°	43.2	43.2	31.4	35.3	47.1	54.9	66.7	66.7	78.5	78.5	74.6
80°	0.0	3.9	11.8	23.5	35.3	51.0	58.9	58.9	66.7	66.7	54.9
82.5°	0.0	3.9	11.8	23.5	31.4	47.1	58.9	58.9	66.7	70.6	58.9
85°	0.0	3.9	11.8	19.6	31.4	39.2	39.2	35.3	27.5	23.5	15.7
87.5°	0.0	0.0	3.9	7.8	3.9	7.8	7.8	7.8	7.8	7.8	7.8
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: P531923

CATALOG NUMBER: GLAN-SA7B-730-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3	7567.3
2.5°	7602.6	7598.7	7504.5	7351.4	7316.1	7186.6	7170.9	7092.4	7135.5	6990.3	6974.6
5°	7539.8	7492.7	7378.9	7280.8	6994.2	6790.1	6629.2	6433.0	6319.1	6338.8	6264.2
7.5°	7630.1	7508.4	7308.2	6966.8	6617.4	6260.3	6067.9	5667.6	5522.4	5306.5	5275.1
10°	7535.9	7445.6	7135.5	6570.3	6087.6	5573.4	5122.0	4678.5	4341.0	4195.8	4164.4
12.5°	7528.0	7371.0	6852.9	6224.9	5526.3	4788.4	4133.0	3579.5	3245.9	3057.5	3014.3
15°	7406.3	7218.0	6535.0	5691.2	4725.6	3807.2	3092.8	2559.1	2303.9	2194.0	2225.4
17.5°	7418.1	7135.5	6217.1	5126.0	3936.7	2794.6	2111.6	1836.9	1770.1	1797.6	1797.6
20°	7406.3	6951.1	5832.5	4474.4	3014.3	1938.9	1550.3	1452.2	1495.4	1581.7	1562.1
22.5°	7343.5	6864.7	5479.2	3787.6	2217.6	1436.5	1244.2	1248.1	1314.9	1420.8	1444.4
25°	7390.6	6672.4	5031.8	3092.8	1617.1	1146.1	1079.4	1106.8	1177.5	1256.0	1271.7
27.5°	7355.3	6535.0	4564.7	2402.1	1181.4	985.2	981.2	1012.6	1044.0	1102.9	1102.9
30°	7394.6	6409.4	4105.5	1785.8	973.4	902.7	887.0	910.6	942.0	953.8	949.8
32.5°	7539.8	6315.2	3575.6	1334.5	859.6	824.2	824.2	824.2	820.3	836.0	839.9
35°	7857.7	6330.9	3108.5	1032.3	785.0	757.5	745.7	730.0	722.2	730.0	734.0
37.5°	8203.1	6323.1	2625.8	879.2	730.0	706.5	679.0	655.5	651.5	659.4	647.6
40°	8356.2	6397.6	2178.3	788.9	679.0	651.5	608.4	588.7	592.7	600.5	592.7
42.5°	8564.2	6421.2	1887.9	718.3	631.9	588.7	561.3	537.7	533.8	545.6	541.6
45°	8560.3	6287.7	1581.7	679.0	588.7	541.6	506.3	486.7	486.7	494.5	498.5
47.5°	8811.5	6268.1	1358.0	643.7	557.3	510.2	467.1	451.4	447.4	447.4	439.6
50°	9396.3	6542.9	1185.3	604.4	518.1	474.9	439.6	420.0	404.3	396.4	392.5
52.5°	10538.4	7398.5	1051.9	557.3	474.9	439.6	408.2	392.5	372.9	353.2	349.3
54°	11645.3	8281.6	1044.0	518.1	439.6	416.0	388.6	380.7	357.2	329.7	321.8
55°	12143.7	8795.8	1071.5	486.7	416.0	400.3	376.8	368.9	345.4	314.0	310.1
57.5°	12555.9	8995.9	1055.8	404.3	376.8	372.9	353.2	341.5	314.0	270.8	263.0
60°	10106.7	6801.9	757.5	357.2	345.4	337.5	321.8	314.0	278.7	231.6	227.6
62.5°	6385.9	3913.2	482.8	314.0	302.2	290.4	270.8	263.0	231.6	184.5	172.7
65°	2720.0	1621.0	325.8	278.7	259.0	239.4	223.7	211.9	184.5	137.4	133.4
67.5°	706.5	577.0	270.8	243.3	215.9	188.4	176.6	157.0	125.6	94.2	90.3
70°	317.9	290.4	227.6	204.1	172.7	145.2	129.5	109.9	82.4	62.8	58.9
72.5°	188.4	184.5	172.7	153.1	129.5	109.9	94.2	74.6	54.9	35.3	35.3
75°	117.7	113.8	117.7	106.0	90.3	82.4	70.6	51.0	31.4	15.7	15.7
77.5°	70.6	70.6	70.6	66.7	62.8	62.8	51.0	31.4	15.7	3.9	3.9
80°	54.9	54.9	58.9	54.9	54.9	54.9	43.2	23.5	7.8	0.0	0.0
82.5°	54.9	58.9	66.7	62.8	54.9	47.1	39.2	23.5	7.8	0.0	0.0
85°	15.7	11.8	19.6	27.5	39.2	35.3	27.5	19.6	7.8	0.0	0.0
87.5°	7.8	7.8	7.8	7.8	3.9	3.9	3.9	3.9	3.9	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

(END OF REPORT)