

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: P531227

Luminaire Tested: **GLAN-SA6C-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20990 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 321
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



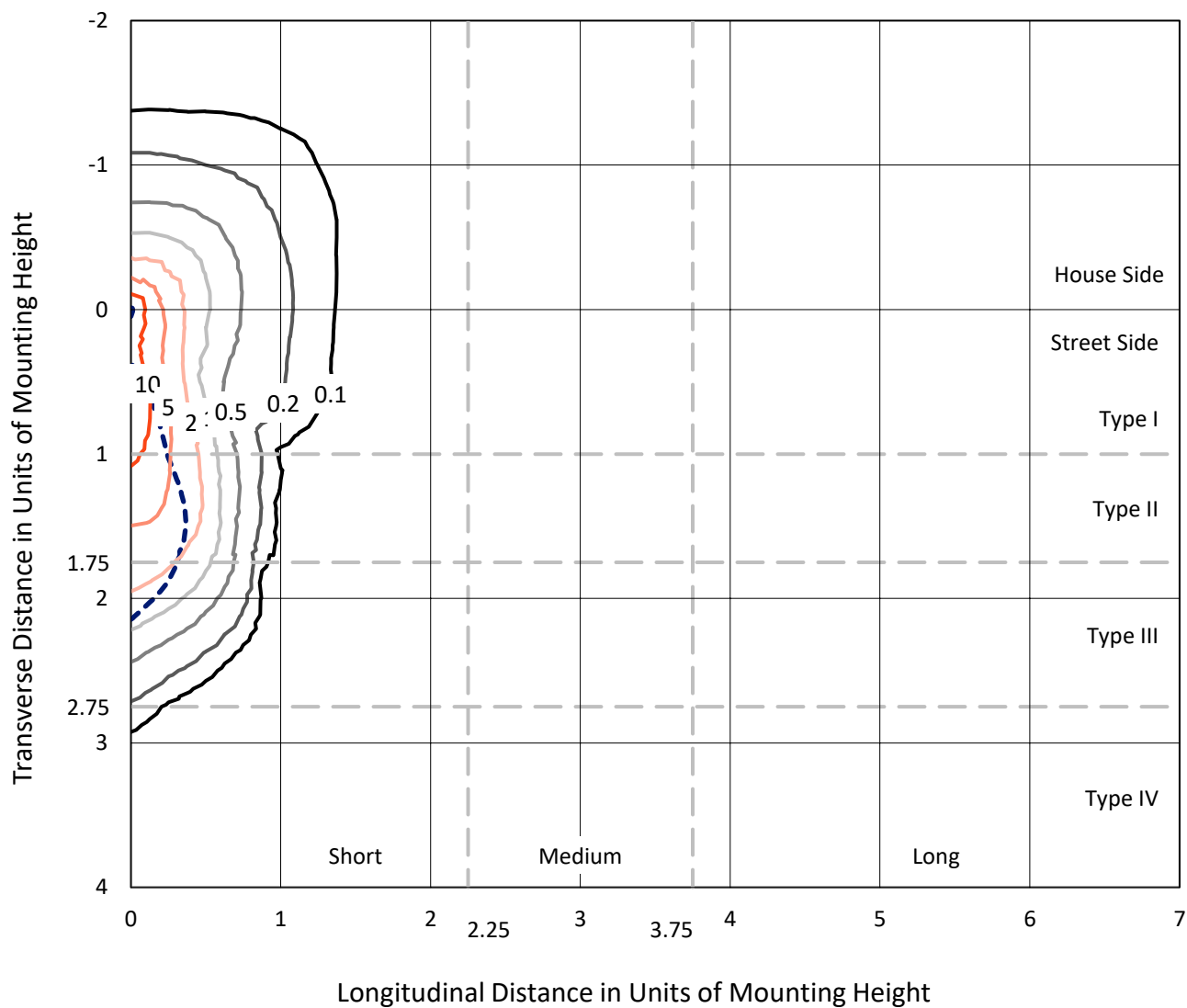
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



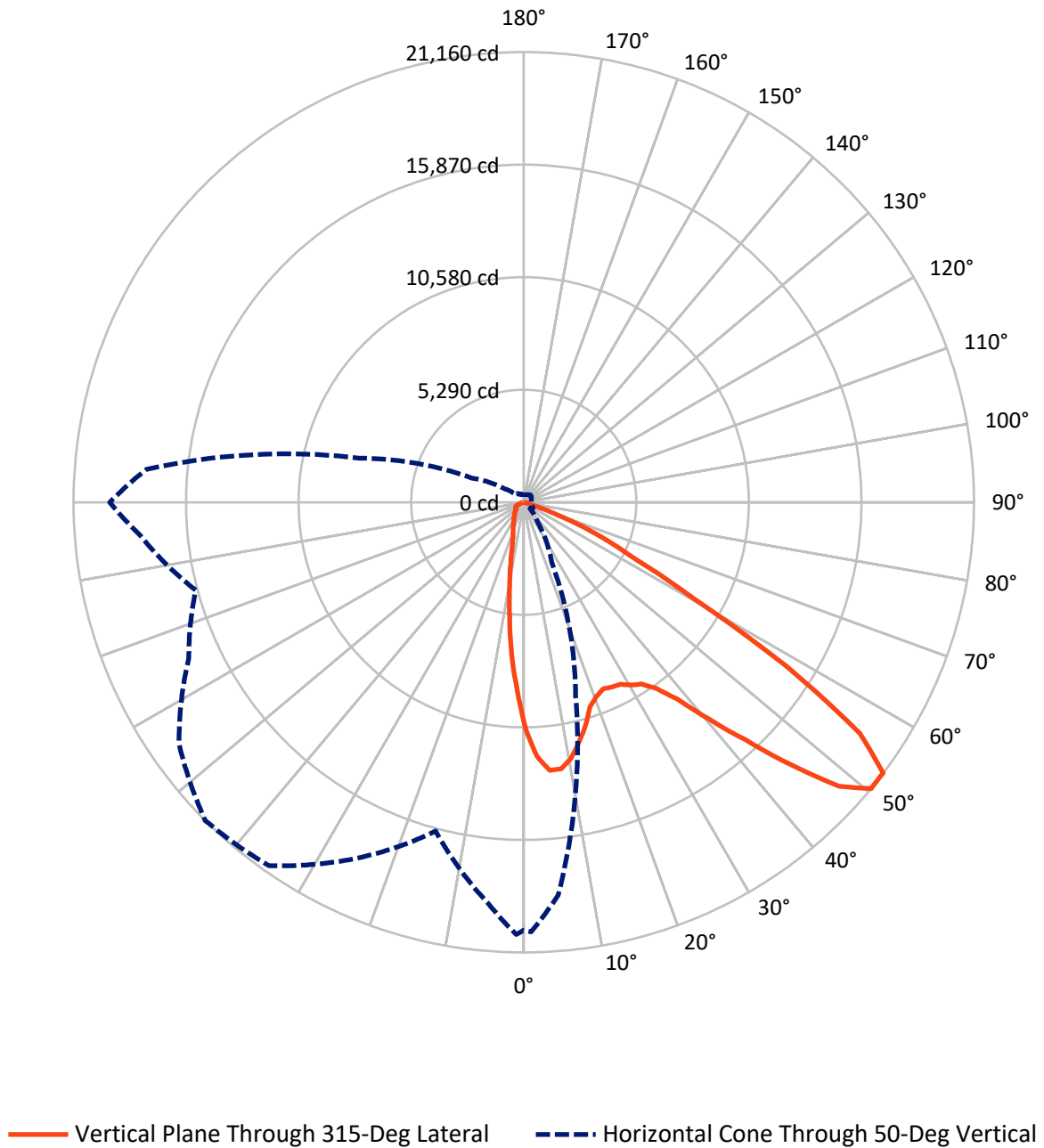
Based on 25 foot mounting height. Maximum calculated value = 17 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4204.3	0.0	4204.3
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	16785.7	0.0	16785.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	20990.0	0.0	20990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.9	3.7
10°-20°	1542.0	7.3
20°-30°	2316.6	11.0
30°-40°	3477.1	16.6
40°-50°	4886.9	23.3
50°-60°	5271.3	25.1
60°-70°	2447.5	11.7
70°-80°	230.3	1.1
80°-90°	42.4	0.2
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°	20990.0	100.0
0°-180°	20990.0	100.0

Coefficient of Utilization



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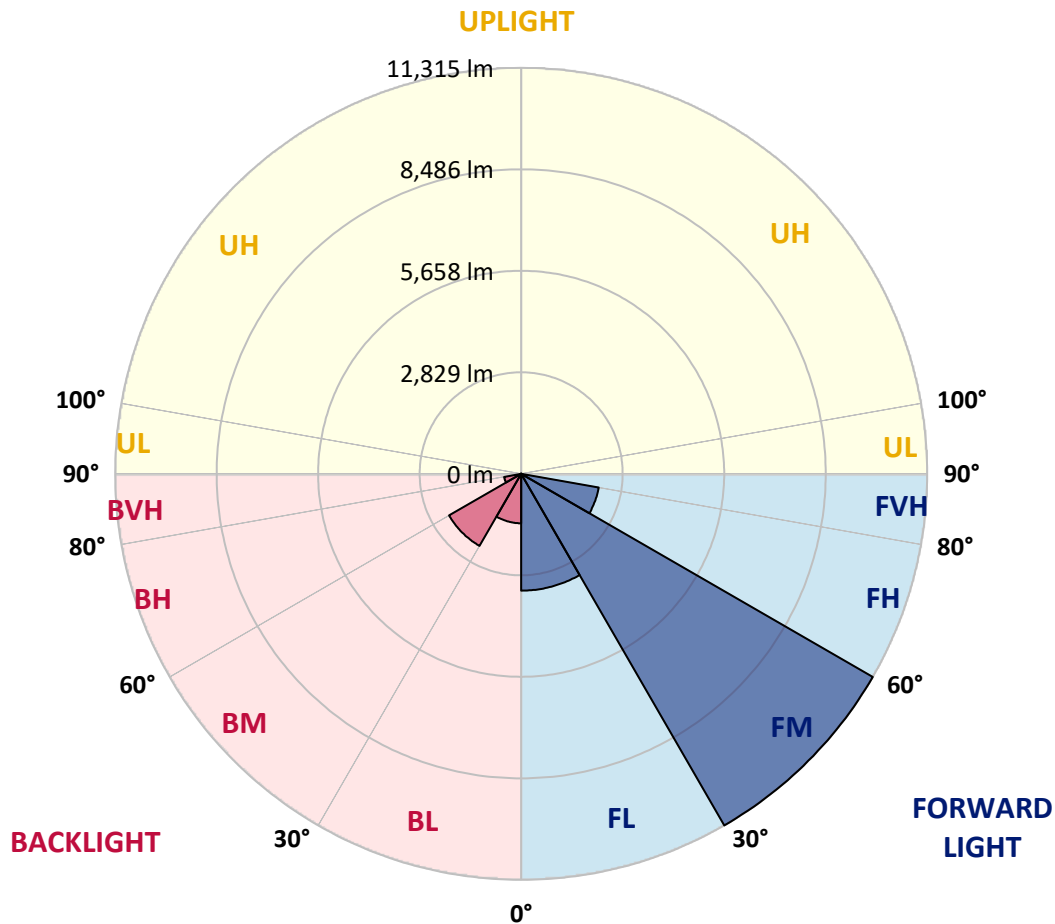
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3256.4	15.5			
FM	(30°-60°)	11315.2	53.9			
FH	(60°-80°)	2195.0	10.5			G2/5000
FVH	(80°-90°)	19.1	0.1			G1/100
BL	(0°-30°)	1378.1	6.6	B3/2500		
BM	(30°-60°)	2320.1	11.1	B2/2500		
BH	(60°-80°)	482.8	2.3	B1/500		G1/500
BVH	(80°-90°)	23.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6
2.5°	11065.2	10894.4	10677.9	10498.8	10232.3	9695.1	9549.3	9374.4	9228.6	9032.9	8758.0
5°	10061.5	10007.4	9907.5	9232.8	8745.5	8095.9	7562.8	7337.9	7042.2	6800.7	6625.8
7.5°	9295.3	9078.7	8762.2	8083.4	7304.6	6609.1	6017.8	5672.1	5280.6	5147.4	4910.0
10°	8474.8	8524.8	8058.4	7104.7	6163.5	5601.3	5234.8	4901.7	4547.7	4314.5	3977.1
12.5°	8212.5	8050.1	7691.9	6513.3	5709.6	5184.9	4739.3	4327.0	3952.2	3577.3	3252.5
15°	8383.2	8133.4	7633.6	6388.4	5359.8	4705.9	4147.9	3589.8	3244.2	2765.3	2427.9
17.5°	8995.4	8795.5	8125.0	6521.7	5180.7	4247.8	3419.1	2844.4	2315.5	1882.4	1711.6
20°	10015.7	9732.5	8891.3	6692.4	4914.2	3694.0	2773.6	2065.6	1565.9	1382.6	1286.8
22.5°	11015.2	10861.1	9799.2	7021.4	4676.8	3202.5	2082.3	1391.0	1170.2	1136.9	1074.5
25°	12918.4	12456.2	11186.0	7617.0	4493.5	2740.3	1570.0	1120.3	991.2	966.2	974.5
27.5°	14051.2	13663.9	12468.6	8012.6	4289.5	2386.3	1328.5	1028.6	941.2	887.0	866.2
30°	15138.1	14688.3	13105.8	8245.8	3852.2	2011.5	1178.6	987.0	966.2	887.0	862.1
32.5°	15975.2	15533.8	14026.2	8595.6	3673.1	1769.9	970.3	770.4	716.3	708.0	782.9
35°	17257.9	16787.3	14813.3	8787.2	3535.7	1645.0	841.2	687.1	624.7	599.7	603.9
37.5°	18453.1	18132.4	15542.1	8862.2	3389.9	1607.5	753.8	616.4	562.2	545.6	541.4
40°	19452.6	18736.3	16233.4	8941.3	3327.5	1536.7	699.6	562.2	524.7	499.7	499.7
42.5°	19910.7	19181.9	17008.0	8895.5	3310.8	1424.3	699.6	516.4	487.3	462.3	458.1
45°	19810.7	19515.1	17353.7	8874.6	3310.8	1311.8	637.2	503.9	462.3	428.9	420.6
47.5°	20068.9	19681.6	17786.8	8962.1	3244.2	1232.7	537.2	528.9	437.3	395.6	387.3
50°	20114.8	20189.7	18540.6	9416.0	3098.4	1132.8	420.6	520.6	420.6	358.2	349.8
52°	20414.6	19948.2	18769.6	9657.6	2944.3	1057.8	354.0	445.6	404.0	333.2	324.8
52.5°	20002.3	20306.3	18823.7	9745.0	2961.0	1007.8	341.5	437.3	395.6	333.2	312.3
55°	19540.0	19831.6	18603.0	9932.4	2715.3	791.3	266.5	316.5	358.2	291.5	279.0
57.5°	16983.0	17278.7	16166.8	9095.4	2211.4	558.0	220.7	237.4	316.5	270.7	258.2
60°	15096.5	14884.1	13568.1	7587.8	1570.0	312.3	174.9	183.2	345.7	249.9	245.7
62.5°	13797.1	13343.2	11340.1	5859.5	957.8	208.2	137.4	141.6	266.5	233.2	233.2
65°	10207.3	9699.2	7533.7	3544.0	470.6	145.8	104.1	112.4	166.6	199.9	199.9
67.5°	5826.2	5630.5	3639.8	1599.2	195.7	91.6	79.1	87.5	129.1	162.4	154.1
70°	2677.8	2402.9	1399.3	337.3	91.6	62.5	62.5	70.8	104.1	120.8	112.4
72.5°	782.9	741.3	341.5	54.1	37.5	37.5	41.6	54.1	79.1	91.6	83.3
75°	58.3	37.5	25.0	16.7	16.7	25.0	33.3	54.1	79.1	87.5	70.8
77.5°	4.2	8.3	4.2	4.2	12.5	25.0	37.5	66.6	104.1	108.3	79.1
80°	4.2	4.2	0.0	4.2	12.5	25.0	41.6	75.0	116.6	124.9	66.6
82.5°	0.0	0.0	0.0	4.2	16.7	33.3	50.0	79.1	108.3	133.3	70.8
85°	0.0	0.0	0.0	4.2	25.0	45.8	58.3	20.8	12.5	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6
2.5°	8953.8	8845.5	8803.8	8841.3	8828.8	8816.3	9045.4	8995.4	8987.1	9062.0	9045.4
5°	6721.6	6530.0	7054.7	6842.3	7063.1	7196.3	7221.3	7233.8	7387.9	7225.5	7437.9
7.5°	4789.2	4839.2	4835.0	4976.6	5230.7	5455.6	5588.8	5484.7	5476.4	5455.6	5363.9
10°	3827.2	3739.8	3723.1	3689.8	3768.9	3960.5	4122.9	3993.8	3902.2	4027.1	3989.6
12.5°	3127.6	3006.8	2940.2	2806.9	2811.1	2940.2	2940.2	2940.2	3031.8	3102.6	3156.7
15°	2398.8	2298.8	2298.8	2165.6	2136.4	2140.6	2207.2	2215.5	2361.3	2402.9	2423.8
17.5°	1678.3	1624.2	1686.6	1740.8	1707.5	1715.8	1740.8	1749.1	1769.9	1753.3	1794.9
20°	1291.0	1282.7	1299.3	1395.1	1465.9	1507.6	1478.4	1436.8	1411.8	1353.5	1353.5
22.5°	1095.3	1111.9	1141.1	1220.2	1311.8	1336.8	1303.5	1207.7	1132.8	1124.4	1128.6
25°	974.5	991.2	1037.0	1086.9	1136.9	1178.6	1145.2	1074.5	1032.8	995.3	995.3
27.5°	899.5	907.9	932.9	970.3	1012.0	1045.3	1032.8	995.3	949.5	932.9	895.4
30°	841.2	853.7	882.9	891.2	928.7	945.4	924.5	916.2	887.0	866.2	853.7
32.5°	812.1	807.9	828.7	837.1	841.2	853.7	828.7	841.2	837.1	803.8	791.3
35°	612.2	645.5	699.6	745.5	757.9	774.6	770.4	753.8	708.0	670.5	624.7
37.5°	549.7	570.5	599.7	637.2	687.1	708.0	699.6	658.0	603.9	578.9	570.5
40°	508.1	520.6	545.6	570.5	620.5	658.0	628.8	591.4	549.7	528.9	516.4
42.5°	470.6	474.8	487.3	512.2	549.7	608.0	558.0	508.1	491.4	478.9	470.6
45°	428.9	428.9	445.6	458.1	499.7	553.9	503.9	458.1	449.8	441.4	437.3
47.5°	395.6	399.8	408.1	424.8	458.1	495.6	462.3	424.8	404.0	399.8	391.5
50°	354.0	358.2	374.8	391.5	433.1	453.9	433.1	391.5	370.6	358.2	358.2
52°	320.7	333.2	349.8	383.1	412.3	445.6	420.6	374.8	349.8	337.3	329.0
52.5°	316.5	324.8	341.5	379.0	412.3	441.4	416.5	370.6	341.5	333.2	324.8
55°	283.2	295.7	324.8	370.6	408.1	441.4	408.1	366.5	324.8	304.0	295.7
57.5°	270.7	279.0	316.5	374.8	404.0	441.4	408.1	366.5	324.8	287.4	279.0
60°	258.2	274.9	316.5	362.3	399.8	445.6	412.3	362.3	316.5	270.7	270.7
62.5°	245.7	258.2	312.3	354.0	383.1	428.9	395.6	354.0	304.0	258.2	254.0
65°	212.4	233.2	274.9	295.7	329.0	370.6	337.3	308.2	266.5	229.0	224.9
67.5°	162.4	170.7	204.1	229.0	249.9	287.4	270.7	233.2	204.1	174.9	174.9
70°	112.4	120.8	145.8	158.3	179.1	199.9	187.4	158.3	137.4	120.8	116.6
72.5°	79.1	83.3	91.6	99.9	108.3	116.6	112.4	91.6	79.1	75.0	70.8
75°	62.5	70.8	75.0	70.8	66.6	62.5	62.5	54.1	45.8	41.6	41.6
77.5°	62.5	66.6	62.5	54.1	45.8	41.6	37.5	33.3	25.0	20.8	25.0
80°	54.1	54.1	54.1	45.8	41.6	37.5	33.3	29.2	25.0	20.8	20.8
82.5°	58.3	58.3	54.1	45.8	45.8	37.5	37.5	33.3	29.2	20.8	20.8
85°	0.0	0.0	0.0	8.3	20.8	37.5	37.5	33.3	29.2	25.0	25.0
87.5°	0.0	0.0	0.0	0.0	4.2	8.3	16.7	20.8	25.0	25.0	25.0
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°	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6
2.5°	9195.3	9353.6	9653.4	9953.3	10136.5	10353.1	10744.5	10952.8	11223.4	11356.7	11619.1
5°	7408.7	7783.5	7916.8	8258.3	8624.8	8991.3	9574.3	10215.6	10748.7	11115.2	11589.9
7.5°	5405.6	5493.0	6009.4	6238.5	6838.2	7504.5	8299.9	9107.9	9782.5	10382.2	10744.5
10°	4052.1	4372.8	4697.6	5134.9	5618.0	6305.1	7067.2	7958.4	8833.0	9432.7	9890.8
12.5°	3256.7	3510.7	3943.8	4414.4	5009.9	5463.9	6230.2	7113.0	8245.8	8833.0	9436.9
15°	2465.4	2790.2	3281.7	3768.9	4397.8	4876.7	5651.3	6763.2	8220.8	9028.7	9549.3
17.5°	1828.2	2049.0	2490.4	3036.0	3677.3	4351.9	5397.2	6725.7	8499.8	9461.8	9999.1
20°	1399.3	1474.2	1753.3	2240.5	2936.0	3818.9	4985.0	6888.2	9324.4	10515.5	11061.0
22.5°	1132.8	1166.1	1274.4	1611.7	2286.3	3352.5	4789.2	7000.6	10253.1	11777.3	12506.1
25°	987.0	978.7	1049.5	1195.2	1786.6	2915.2	4539.4	7425.4	11390.0	13259.9	13913.7
27.5°	899.5	899.5	932.9	1037.0	1482.6	2632.0	4381.1	7729.4	12535.3	14563.4	14917.4
30°	853.7	862.1	957.8	991.2	1232.7	2294.7	4118.7	8037.6	13630.6	15396.3	15883.6
32.5°	791.3	757.9	737.1	820.4	1037.0	1990.7	3856.4	8166.7	14517.6	16416.6	16833.1
35°	608.0	591.4	616.4	678.8	891.2	1732.5	3564.9	8312.4	15537.9	17599.4	17682.7
37.5°	549.7	545.6	562.2	616.4	749.6	1507.6	3356.6	8275.0	16316.7	18578.0	18353.1
40°	508.1	508.1	520.6	566.4	670.5	1349.3	3140.1	8241.6	17070.5	19677.5	19019.5
42.5°	474.8	474.8	495.6	524.7	637.2	1245.2	2977.6	8195.8	17703.5	20352.1	19410.9
45°	428.9	441.4	474.8	503.9	645.5	1174.4	2856.9	8020.9	17920.0	20343.8	19223.5
47.5°	395.6	412.3	445.6	487.3	583.0	1153.6	2773.6	7866.8	17845.1	19844.1	18636.3
50°	358.2	379.0	424.8	495.6	495.6	1111.9	2686.1	8004.3	17790.9	19456.8	18074.1
52°	333.2	349.8	408.1	483.1	433.1	1024.5	2632.0	8270.8	18011.7	19406.8	17824.3
52.5°	329.0	341.5	395.6	474.8	412.3	1007.8	2594.5	8333.3	18082.5	19281.8	17995.0
55°	291.5	308.2	362.3	370.6	337.3	828.7	2473.7	8474.8	17732.6	19036.1	17832.6
57.5°	274.9	283.2	320.7	304.0	291.5	624.7	2128.1	8254.1	15750.3	16908.1	16591.5
60°	254.0	262.4	299.8	237.4	245.7	437.3	1599.2	7167.2	12647.7	14088.7	14659.2
62.5°	245.7	241.5	283.2	191.6	208.2	316.5	1128.6	5826.2	9745.0	11598.3	12585.3
65°	216.6	212.4	204.1	162.4	179.1	245.7	674.7	3802.2	6867.3	8774.7	9316.1
67.5°	166.6	174.9	149.9	129.1	149.9	191.6	374.8	1703.3	3602.3	5264.0	5701.3
70°	116.6	124.9	120.8	112.4	133.3	158.3	216.6	583.0	1490.9	2765.3	3048.4
72.5°	70.8	87.5	91.6	95.8	116.6	137.4	154.1	187.4	395.6	978.7	1216.0
75°	41.6	58.3	70.8	83.3	95.8	116.6	129.1	133.3	137.4	183.2	295.7
77.5°	29.2	41.6	62.5	79.1	95.8	116.6	137.4	145.8	137.4	129.1	137.4
80°	25.0	41.6	58.3	75.0	99.9	120.8	137.4	137.4	133.3	116.6	124.9
82.5°	25.0	41.6	62.5	79.1	95.8	116.6	133.3	137.4	124.9	116.6	120.8
85°	29.2	45.8	66.6	83.3	104.1	95.8	87.5	70.8	66.6	54.1	58.3
87.5°	29.2	41.6	41.6	45.8	50.0	50.0	50.0	45.8	37.5	33.3	33.3
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: P531227

CATALOG NUMBER: GLAN-SA6C-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6	10644.6
2.5°	11631.6	11964.7	11952.2	11960.6	11910.6	11573.3	11410.9	10998.6	11115.2	11065.2
5°	12077.2	12406.2	12689.4	12656.1	12272.9	11814.8	11136.0	10494.7	10319.7	10061.5
7.5°	11631.6	12422.8	12685.2	12647.7	12081.3	11494.1	10411.4	9770.0	9466.0	9295.3
10°	10923.6	11839.8	12164.6	12231.3	11848.1	10956.9	9961.6	8932.9	8770.5	8474.8
12.5°	10519.6	11186.0	11385.9	11564.9	11431.7	10765.3	9620.1	8633.1	8408.2	8212.5
15°	10190.6	10586.3	10669.6	10873.6	10952.8	10594.6	9799.2	8957.9	8404.1	8383.2
17.5°	10494.7	10332.2	10028.2	10090.7	10340.6	10598.8	10261.4	9599.3	9062.0	8995.4
20°	10998.6	10282.3	9595.1	9749.2	9957.4	10748.7	10961.1	10494.7	10186.5	10015.7
22.5°	11577.4	10369.7	9457.7	9532.6	9928.3	11086.0	12093.8	11835.6	11260.9	11015.2
25°	12647.7	10611.3	9566.0	9615.9	10157.3	11556.6	13118.3	13309.9	12968.4	12918.4
27.5°	13693.0	11235.9	9803.3	9690.9	10273.9	12014.7	13738.8	14767.5	14167.8	14051.2
30°	14226.1	11744.0	10157.3	9965.8	10757.0	12293.7	14113.6	15717.0	15192.3	15138.1
32.5°	15042.3	12206.3	10432.2	10186.5	11027.7	12639.4	14813.3	16754.0	16245.9	15975.2
35°	15383.8	12710.2	11036.0	10748.7	11802.3	13122.5	15171.4	17678.5	17520.2	17257.9
37.5°	16041.8	13251.6	11748.2	11731.5	12739.3	13751.3	15816.9	18936.2	18907.0	18453.1
40°	16096.0	13842.9	12872.6	13397.3	14188.6	14846.6	16383.3	19286.0	19760.8	19452.6
42.5°	16179.3	14879.9	14817.4	15250.6	15929.4	15787.8	16404.1	19369.3	20093.9	19910.7
45°	16216.7	15916.9	16795.6	17595.2	17878.4	17020.5	16208.4	19211.0	20268.8	19810.7
47.5°	15916.9	16808.1	18394.8	19939.8	20023.1	17778.4	16125.1	19048.6	20373.0	20068.9
50°	15958.5	17366.2	19777.4	21160.1	20856.0	18448.9	15996.0	18948.7	20318.8	20114.8
52°	15858.6	17378.6	19973.2	21135.1	20922.7	18078.3	15775.3	18565.5	20268.8	20414.6
52.5°	15971.0	17303.7	19769.1	21151.7	20876.9	18261.5	15746.1	18777.9	20298.0	20002.3
55°	15583.7	16412.5	18573.9	19161.1	19119.4	16574.9	14850.8	18074.1	19535.9	19540.0
57.5°	14084.5	14226.1	14567.6	14555.1	14363.5	13030.9	12701.9	16620.7	17416.1	16983.0
60°	12410.3	10415.5	9495.2	9120.4	8908.0	8691.4	11235.9	15204.8	15279.7	15096.5
62.5°	10723.7	7221.3	5996.9	5892.8	5942.8	6734.1	10861.1	14642.5	14192.8	13797.1
65°	8653.9	5264.0	4356.1	4218.7	4705.9	5559.7	8791.4	11227.6	10536.3	10207.3
67.5°	5434.7	3839.7	2944.3	2686.1	3273.3	3827.2	5776.2	7054.7	6280.1	5826.2
70°	3223.4	2144.7	1332.7	1195.2	1345.1	2040.6	3235.9	3519.0	2911.0	2677.8
72.5°	1270.2	787.1	370.6	316.5	329.0	716.3	1191.1	1161.9	878.7	782.9
75°	341.5	237.4	129.1	104.1	87.5	133.3	191.6	124.9	45.8	58.3
77.5°	158.3	141.6	112.4	87.5	66.6	50.0	25.0	8.3	8.3	4.2
80°	137.4	120.8	104.1	87.5	66.6	41.6	20.8	4.2	4.2	4.2
82.5°	129.1	112.4	95.8	79.1	62.5	41.6	20.8	4.2	0.0	0.0
85°	54.1	70.8	79.1	75.0	66.6	41.6	20.8	4.2	0.0	0.0
87.5°	29.2	25.0	20.8	16.7	12.5	8.3	8.3	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

(END OF REPORT)