

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: P531696

Luminaire Tested: **GLAN-SA7A-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531696
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-SA7A-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA 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: 21605 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 215
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



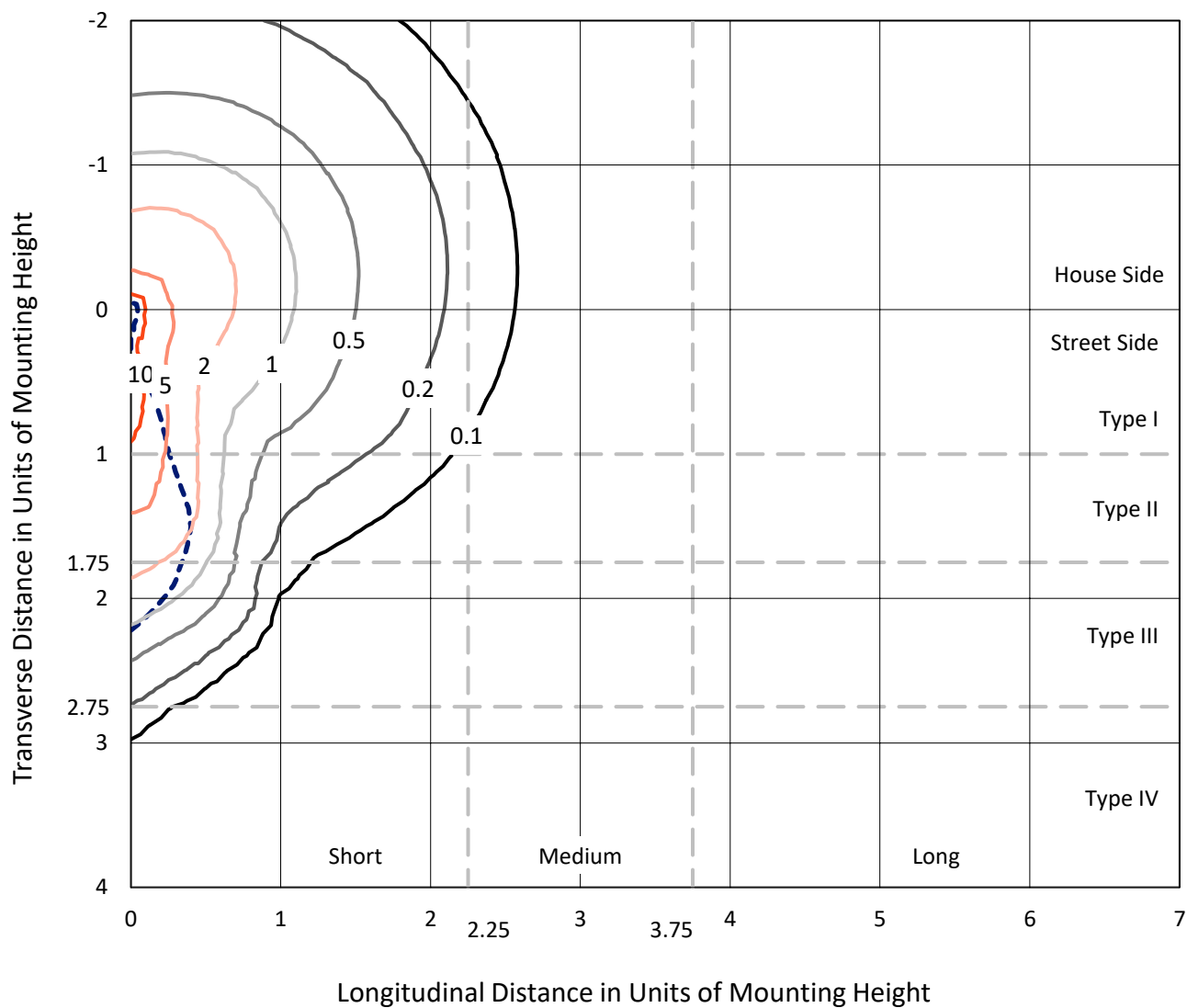
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

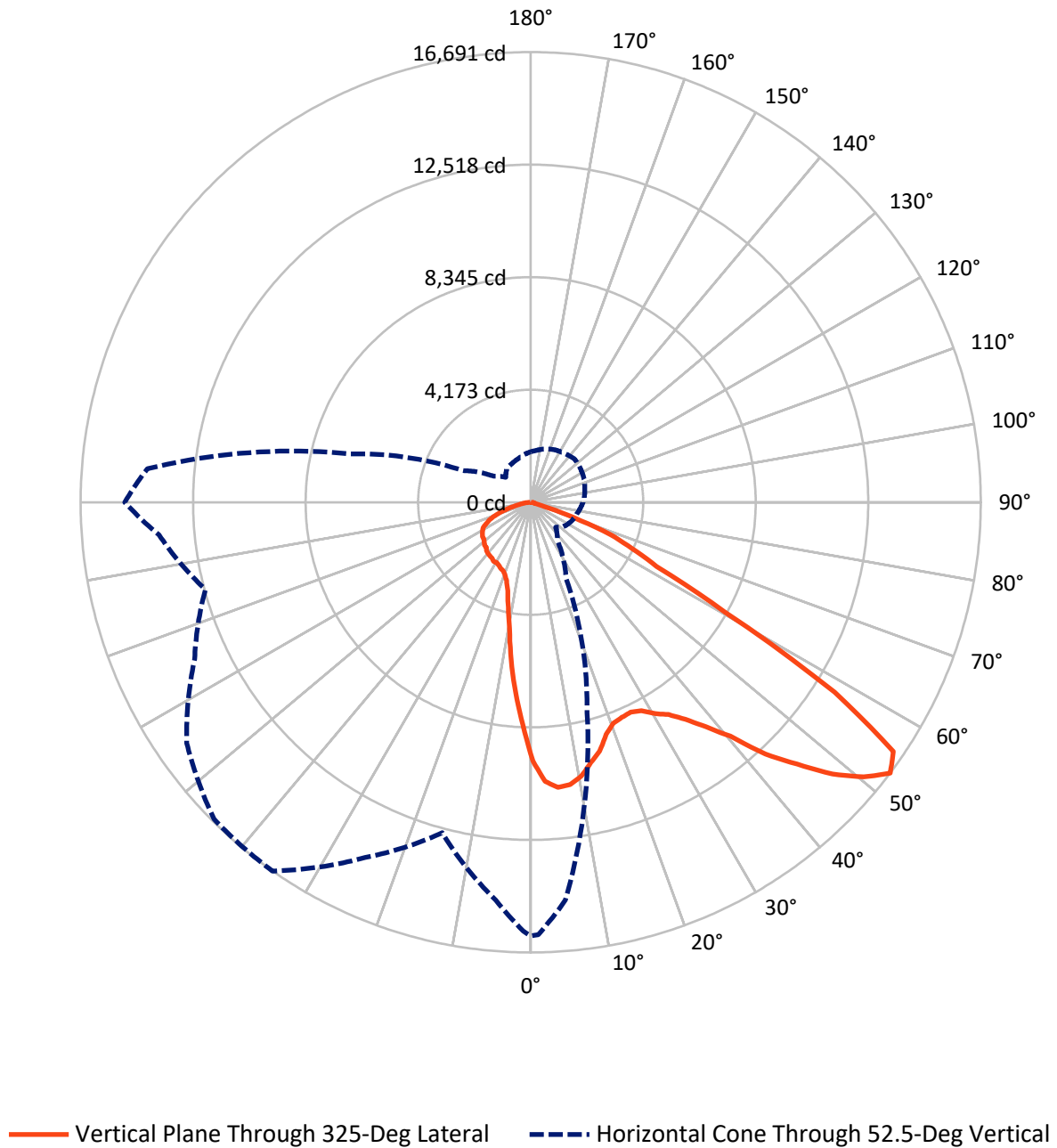


Based on 25 foot mounting height. Maximum calculated value = 15.3 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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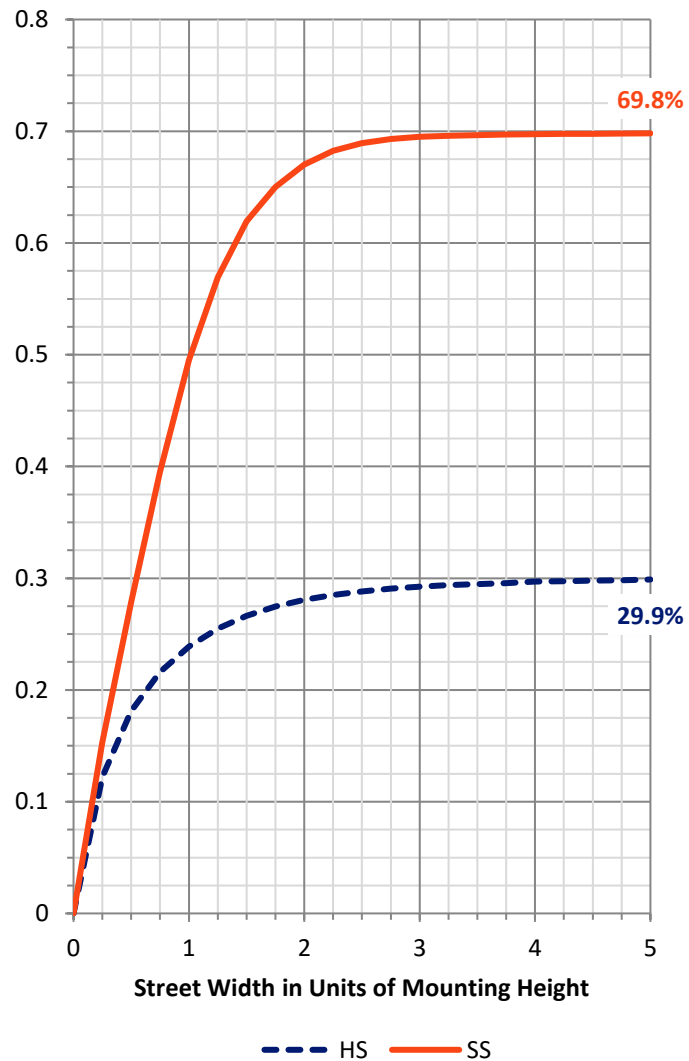
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6513.0	0.0	6513.0
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	15092.0	0.0	15092.0
	% Fixture	69.9	0.0	69.9
Total	Lumens	21605.0	0.0	21605.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.5	3.4
10°-20°	1585.8	7.3
20°-30°	2396.0	11.1
30°-40°	3462.4	16.0
40°-50°	4607.8	21.3
50°-60°	5153.9	23.9
60°-70°	2904.7	13.4
70°-80°	647.5	3.0
80°-90°	115.3	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°	21605.0	100.0
0°-180°	21605.0	100.0

Coefficient of Utilization



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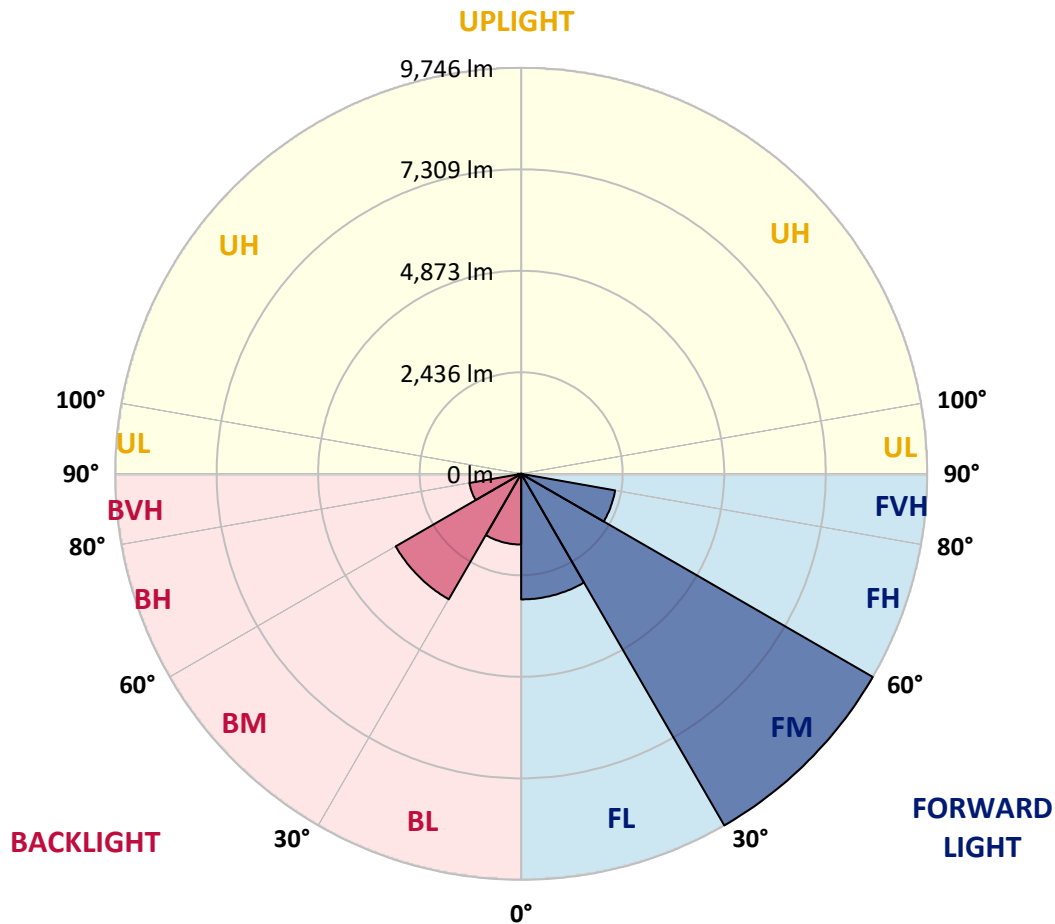
CATALOG NUMBER: GLAN-SA7A-730-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3014.9	14.0			
FM	(30°-60°)	9745.5	45.1			
FH	(60°-80°)	2289.8	10.6			G2/5000
FVH	(80°-90°)	41.8	0.2			G1/100
BL	(0°-30°)	1698.4	7.9	B3/2500		
BM	(30°-60°)	3478.6	16.1	B3/5000		
BH	(60°-80°)	1262.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	73.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4
2.5°	9748.1	9904.7	9735.6	9435.0	9222.1	9027.9	8824.4	8783.7	8517.5	8470.5	8276.4
5°	9193.9	9159.4	8952.8	8558.2	8122.9	7728.4	7437.1	7155.3	6964.3	6742.0	6726.3
7.5°	8520.6	8320.2	8201.2	7603.1	7064.5	6444.5	6178.3	5749.3	5614.6	5414.2	5310.9
10°	7919.4	7772.2	7493.5	6895.4	6143.9	5733.6	5448.7	5217.0	5060.4	4853.7	4593.8
12.5°	7621.9	7562.4	7249.3	6322.4	5765.0	5326.6	5126.1	4900.7	4634.5	4302.6	4174.2
15°	7675.1	7474.7	7236.7	6212.8	5442.4	5019.7	4700.3	4418.4	4077.1	3760.8	3576.1
17.5°	8072.8	7919.4	7443.4	6281.6	5320.3	4709.7	4130.4	3713.9	3407.0	3122.0	2993.6
20°	8855.7	8633.3	8097.9	6369.3	5057.3	4277.5	3613.7	3100.1	2771.3	2621.0	2577.2
22.5°	9723.1	9591.6	8736.7	6566.6	4847.5	3876.7	3065.7	2552.1	2430.0	2389.3	2470.7
25°	10778.4	10437.0	9729.3	6889.1	4684.6	3535.4	2602.2	2317.3	2254.6	2295.3	2389.3
27.5°	11580.0	11489.2	10424.5	7192.9	4462.3	3125.2	2342.3	2154.4	2173.2	2213.9	2301.6
30°	12532.0	12071.7	11097.8	7402.7	4261.9	2843.3	2160.7	2110.6	2129.4	2198.3	2242.1
32.5°	13105.0	12932.8	11520.5	7719.0	4030.1	2599.1	2019.8	1972.8	2001.0	2104.3	2207.7
35°	13834.6	13493.3	12043.5	7800.4	3867.3	2502.0	1919.6	1885.1	1950.9	2022.9	2138.8
37.5°	14686.4	14451.5	12766.8	7744.0	3779.6	2401.8	1835.0	1819.4	1866.3	1966.5	2101.2
40°	15190.6	15118.5	13145.7	7778.5	3641.9	2314.1	1737.9	1756.7	1853.8	1932.1	2063.6
42.5°	15675.9	15206.2	13706.3	7765.9	3554.2	2195.1	1747.3	1725.4	1800.6	1891.4	2016.6
45°	15782.4	15315.8	13837.8	7678.3	3447.7	2079.3	1675.3	1684.7	1775.5	1888.3	1969.7
47.5°	15713.5	15369.0	14082.0	7653.2	3347.5	1997.9	1568.8	1681.6	1734.8	1825.6	1941.5
50°	15666.5	15647.7	14288.7	7772.2	3212.8	1869.5	1440.5	1640.9	1694.1	1784.9	1910.2
52.5°	16079.9	16039.2	14805.4	8085.3	3106.4	1731.7	1308.9	1537.5	1665.9	1753.6	1875.7
55°	16330.4	16151.9	15691.6	8470.5	2927.9	1550.1	1218.1	1409.1	1597.0	1675.3	1800.6
57.5°	14689.5	14567.4	14194.8	7906.9	2627.3	1312.1	1105.4	1277.6	1503.1	1625.2	1753.6
60°	12222.0	12030.9	11075.9	6720.0	1938.4	1020.8	1036.5	1174.3	1478.0	1525.0	1675.3
62.5°	11523.7	11050.8	9751.3	5408.0	1487.4	876.8	930.0	1080.3	1346.5	1424.8	1575.1
65°	9143.8	8793.0	6976.8	3904.9	995.8	760.9	848.6	973.9	1161.8	1315.2	1453.0
67.5°	5724.2	5389.2	3723.3	1847.5	695.2	651.3	757.8	889.3	1042.8	1180.5	1334.0
70°	2990.5	2624.1	1719.2	667.0	479.1	532.3	632.5	757.8	908.1	1020.8	1139.8
72.5°	1114.8	905.0	560.5	288.1	331.9	407.1	513.6	604.4	710.8	848.6	914.4
75°	172.2	147.2	144.0	175.4	225.5	294.4	366.4	457.2	551.1	638.8	682.7
77.5°	81.4	78.3	87.7	115.9	150.3	209.8	266.2	353.9	429.0	485.4	510.4
80°	53.2	50.1	56.4	78.3	112.7	156.6	212.9	272.4	341.3	388.3	382.0
82.5°	31.3	34.4	34.4	53.2	78.3	112.7	153.4	206.7	253.6	294.4	269.3
85°	18.8	15.7	15.7	31.3	53.2	90.8	128.4	87.7	90.8	90.8	103.3
87.5°	6.3	6.3	6.3	3.1	6.3	6.3	9.4	15.7	18.8	21.9	28.2
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°	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4
2.5°	8270.1	8367.2	8332.7	8210.6	8304.5	8320.2	8257.6	8473.6	8514.4	8448.6	8467.4
5°	6704.4	6729.4	6785.8	6904.8	6989.3	7089.6	7089.6	7095.8	7011.3	7224.2	7161.6
7.5°	5223.2	5238.9	5304.6	5558.3	5630.3	5821.3	5902.7	5846.4	5677.3	5605.3	5664.8
10°	4509.3	4418.4	4396.5	4427.8	4590.7	4672.1	4741.0	4722.2	4694.0	4637.6	4575.0
12.5°	4033.3	3967.5	3914.3	3839.1	3848.5	3926.8	3980.0	3936.2	3948.7	3961.3	3980.0
15°	3516.6	3469.6	3441.4	3328.7	3316.2	3369.4	3388.2	3413.3	3460.2	3463.4	3441.4
17.5°	2968.6	2927.9	2990.5	3053.1	3009.3	3012.4	3046.9	3068.8	3056.3	2999.9	2971.7
20°	2592.8	2636.7	2699.3	2758.8	2805.8	2833.9	2846.5	2812.0	2771.3	2655.5	2652.3
22.5°	2483.2	2539.6	2592.8	2683.6	2727.5	2799.5	2733.7	2655.5	2599.1	2542.7	2477.0
25°	2401.8	2448.8	2555.2	2589.7	2674.2	2733.7	2686.8	2608.5	2511.4	2430.0	2379.9
27.5°	2342.3	2395.5	2464.4	2558.4	2624.1	2658.6	2611.6	2580.3	2480.1	2383.0	2311.0
30°	2304.7	2361.1	2486.4	2564.6	2621.0	2649.2	2567.8	2530.2	2458.2	2376.8	2314.1
32.5°	2279.7	2329.8	2436.3	2536.5	2574.0	2574.0	2586.6	2542.7	2442.5	2304.7	2251.5
35°	2198.3	2267.2	2354.8	2470.7	2539.6	2580.3	2517.7	2467.6	2401.8	2260.9	2163.8
37.5°	2151.3	2198.3	2311.0	2420.6	2480.1	2523.9	2498.9	2411.2	2323.5	2207.7	2129.4
40°	2101.2	2176.3	2276.5	2379.9	2445.6	2489.5	2470.7	2367.4	2260.9	2151.3	2098.1
42.5°	2066.7	2116.8	2220.2	2336.0	2414.3	2498.9	2442.5	2314.1	2239.0	2088.7	2029.2
45°	2038.6	2120.0	2229.6	2276.5	2358.0	2445.6	2345.4	2267.2	2179.5	2069.9	2019.8
47.5°	2004.1	2079.3	2151.3	2276.5	2314.1	2354.8	2336.0	2210.8	2135.6	2016.6	1982.2
50°	1991.6	2019.8	2151.3	2220.2	2273.4	2314.1	2264.0	2170.1	2098.1	1975.9	1900.8
52.5°	1941.5	1994.7	2079.3	2170.1	2235.8	2285.9	2204.5	2145.0	2048.0	1919.6	1872.6
55°	1878.9	1910.2	2060.5	2154.4	2188.9	2223.3	2192.0	2094.9	1994.7	1863.2	1816.2
57.5°	1797.4	1869.5	1991.6	2123.1	2166.9	2185.7	2135.6	2057.3	1932.1	1816.2	1741.1
60°	1712.9	1788.0	1922.7	2029.2	2073.0	2141.9	2066.7	2019.8	1875.7	1747.3	1665.9
62.5°	1628.3	1712.9	1813.1	1947.7	1985.3	2013.5	1994.7	1929.0	1813.1	1669.1	1568.8
65°	1528.1	1590.8	1716.0	1784.9	1810.0	1875.7	1810.0	1784.9	1681.6	1543.8	1459.2
67.5°	1377.8	1431.1	1540.7	1606.4	1625.2	1653.4	1650.3	1622.1	1506.2	1412.3	1337.1
70°	1205.6	1252.6	1321.5	1399.7	1409.1	1443.6	1412.3	1406.0	1330.9	1202.5	1161.8
72.5°	967.6	1011.5	1102.3	1136.7	1139.8	1152.4	1136.7	1114.8	1096.0	961.3	920.6
75°	742.1	767.2	811.0	842.4	842.4	858.0	848.6	826.7	776.6	692.0	651.3
77.5°	516.7	541.7	598.1	616.9	613.8	620.0	591.8	569.9	494.8	450.9	416.5
80°	375.8	391.4	419.6	432.1	435.3	444.7	410.2	391.4	347.6	297.5	281.8
82.5°	272.4	281.8	285.0	300.6	300.6	285.0	275.6	256.8	225.5	194.1	181.6
85°	112.7	115.9	119.0	137.8	140.9	169.1	156.6	147.2	128.4	109.6	100.2
87.5°	28.2	31.3	40.7	34.4	40.7	40.7	43.8	50.1	50.1	40.7	40.7
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°	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4
2.5°	8539.4	8564.5	8883.9	8924.6	9081.1	9240.8	9563.4	9795.1	9983.0	10105.1	10139.6
5°	7227.3	7387.0	7534.2	7772.2	7988.3	8295.2	8649.0	9087.4	9638.5	9920.4	10033.1
7.5°	5658.5	5846.4	6059.3	6291.0	6607.3	7158.4	7631.3	8138.6	8843.2	9134.4	9575.9
10°	4618.9	4828.7	5110.5	5289.0	5671.0	6197.1	6748.2	7333.8	8007.1	8426.7	8937.1
12.5°	4083.4	4255.6	4515.5	4891.3	5176.3	5517.6	5927.8	6666.8	7631.3	8029.0	8379.7
15°	3491.5	3682.6	3983.2	4399.7	4741.0	5148.1	5608.4	6413.2	7440.3	8054.0	8351.5
17.5°	3003.0	3140.8	3457.1	3817.2	4208.6	4653.3	5314.0	6400.6	7640.7	8426.7	8912.0
20°	2664.8	2683.6	2855.9	3162.7	3695.1	4274.4	5132.4	6338.0	8282.6	9068.6	9682.4
22.5°	2451.9	2433.1	2436.3	2696.2	3068.8	3901.8	4847.5	6550.9	9012.2	10089.5	10502.8
25°	2345.4	2295.3	2264.0	2320.4	2658.6	3460.2	4631.4	6832.8	9798.2	10931.8	11439.1
27.5°	2289.1	2201.4	2138.8	2148.2	2395.5	3237.9	4496.7	6954.9	10578.0	12106.1	12284.6
30°	2267.2	2157.6	2066.7	2035.4	2198.3	2927.9	4208.6	7164.7	11276.3	12751.2	12904.6
32.5°	2188.9	2054.2	1966.5	1938.4	2004.1	2655.5	4002.0	7315.0	11893.2	13452.6	13399.4
35°	2098.1	1985.3	1875.7	1822.5	1869.5	2480.1	3836.0	7243.0	12619.7	13997.5	13969.3
37.5°	2088.7	1941.5	1850.7	1763.0	1759.9	2264.0	3610.5	7311.9	13083.1	14974.5	14589.3
40°	2007.2	1913.3	1794.3	1722.3	1681.6	2154.4	3391.3	7149.0	13762.6	15369.0	14990.1
42.5°	2010.4	1869.5	1766.1	1681.6	1640.9	1994.7	3241.0	7105.2	14000.6	16011.0	15178.0
45°	1960.3	1822.5	1734.8	1634.6	1612.7	1872.6	3097.0	6901.7	14420.2	16042.3	14943.2
47.5°	1910.2	1788.0	1694.1	1575.1	1525.0	1828.8	2984.3	6732.6	14201.0	15748.0	14617.5
50°	1875.7	1734.8	1647.1	1562.6	1421.7	1753.6	2837.1	6691.9	13894.1	15350.3	14013.1
52.5°	1816.2	1691.0	1600.2	1534.4	1308.9	1684.7	2780.7	6929.8	14269.9	15052.8	13837.8
55°	1759.9	1631.5	1515.6	1387.2	1215.0	1503.1	2624.1	7152.2	14817.9	15738.6	14633.2
57.5°	1700.4	1578.2	1453.0	1299.5	1124.2	1315.2	2461.3	7192.9	13790.8	14545.5	13891.0
60°	1622.1	1465.5	1371.6	1171.2	1027.1	1089.7	1950.9	6341.1	10697.0	12146.8	12168.7
62.5°	1534.4	1365.3	1283.9	1049.0	926.9	939.4	1590.8	5329.7	8677.2	10055.0	10653.1
65°	1418.5	1255.7	1158.6	970.7	854.9	814.2	1164.9	3904.9	6591.7	8157.4	8836.9
67.5°	1268.2	1114.8	992.7	845.5	764.1	698.3	795.4	2198.3	3892.4	5476.9	5683.5
70°	1108.5	977.0	848.6	726.5	635.7	588.7	582.4	973.9	1860.1	2946.7	3353.8
72.5°	873.7	779.7	676.4	585.6	526.1	457.2	416.5	404.0	629.4	1199.3	1656.5
75°	626.3	548.0	488.5	429.0	385.2	347.6	316.3	288.1	263.0	300.6	413.3
77.5°	394.6	366.4	319.4	303.7	278.7	269.3	256.8	241.1	222.3	209.8	209.8
80°	266.2	247.4	231.7	228.6	219.2	216.1	219.2	203.5	184.8	169.1	175.4
82.5°	178.5	175.4	172.2	169.1	172.2	175.4	181.6	178.5	162.8	153.4	156.6
85°	106.5	112.7	119.0	125.3	137.8	122.1	100.2	84.5	75.2	68.9	65.8
87.5°	40.7	56.4	50.1	47.0	50.1	47.0	43.8	40.7	34.4	31.3	31.3
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: P531696

CATALOG NUMBER: GLAN-SA7A-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4	9588.4
2.5°	10368.2	10430.8	10484.0	10471.5	10361.9	10214.7	10155.2	9851.5	9788.8	9748.1
5°	10509.1	10872.3	10950.6	10903.6	10618.7	10258.6	9907.8	9463.2	9203.3	9193.9
7.5°	10249.2	10697.0	10837.9	10944.3	10565.4	9939.2	9337.9	8670.9	8508.1	8520.6
10°	9588.4	10302.4	10650.0	10759.6	10324.3	9782.6	8949.6	8273.2	7925.6	7919.4
12.5°	9222.1	9782.6	9879.7	10033.1	9904.7	9356.7	8724.2	7966.4	7628.2	7621.9
15°	8896.4	9265.9	9294.1	9510.1	9579.0	9209.5	8783.7	7975.7	7703.3	7675.1
17.5°	9181.3	8924.6	8818.1	8846.3	9049.8	9184.5	9128.1	8508.1	8229.4	8072.8
20°	9372.4	8799.3	8476.8	8508.1	8749.2	9240.8	9641.7	9278.4	8836.9	8855.7
22.5°	9882.8	8818.1	8313.9	8279.5	8661.5	9535.2	10221.0	10252.3	9826.4	9723.1
25°	10646.9	9034.2	8263.8	8254.4	8620.8	9851.5	10897.4	11404.7	10969.4	10778.4
27.5°	11260.6	9372.4	8420.4	8451.7	8749.2	10108.2	11473.6	12146.8	11814.9	11580.0
30°	11799.2	9723.1	8639.6	8495.6	9093.7	10242.9	11720.9	12992.3	12726.1	12532.0
32.5°	12021.6	10221.0	8987.2	8749.2	9378.6	10405.7	12234.5	13812.7	13584.1	13105.0
35°	12397.3	10499.7	9175.1	9156.3	9876.5	10797.2	12475.6	14354.5	14260.5	13834.6
37.5°	12697.9	10781.5	9842.1	9635.4	10559.2	11454.8	12863.9	15102.9	14886.8	14686.4
40°	12929.7	11285.7	10465.2	10737.7	11398.4	12052.9	13220.9	15149.8	15773.0	15190.6
42.5°	12716.7	11736.6	11489.2	12140.5	12766.8	12735.5	13261.6	15513.1	15979.7	15675.9
45°	12663.5	12500.7	13108.2	13700.0	13844.0	13302.3	12970.4	15112.3	15917.0	15782.4
47.5°	12535.1	13252.2	14310.6	15275.1	15055.9	13681.2	12622.8	15040.2	15954.6	15713.5
50°	12491.3	13415.0	15200.0	16139.4	16007.9	14010.0	12460.0	14576.8	15688.5	15666.5
52.5°	12488.1	13750.1	15569.5	16609.1	16690.5	14529.8	12682.3	14811.7	15895.1	16079.9
55°	12629.0	13643.6	15522.5	16349.2	16317.9	14298.1	12707.3	14968.2	16148.8	16330.4
57.5°	11912.0	12222.0	12810.7	13465.1	13296.0	11843.1	11348.3	13837.8	14821.0	14689.5
60°	10286.7	9316.0	8652.1	8620.8	8292.0	7838.0	9287.8	12350.4	12350.4	12222.0
62.5°	9009.1	6115.7	5254.5	5010.3	5245.1	5768.1	8959.0	12012.2	11670.8	11523.7
65°	7878.7	4669.0	3798.4	3729.5	4136.6	4925.7	8101.0	10233.5	9632.3	9143.8
67.5°	5069.8	3419.5	2824.5	2702.4	3194.1	3616.8	5392.3	6294.2	5915.3	5724.2
70°	3269.2	2226.4	1572.0	1474.9	1665.9	2229.6	3444.6	3670.0	3118.9	2990.5
72.5°	1546.9	961.3	551.1	454.1	510.4	851.7	1362.2	1465.5	1218.1	1114.8
75°	491.6	353.9	225.5	194.1	184.8	219.2	313.1	241.1	175.4	172.2
77.5°	219.2	209.8	178.5	150.3	131.5	109.6	90.8	75.2	78.3	81.4
80°	181.6	166.0	147.2	131.5	109.6	84.5	65.8	50.1	50.1	53.2
82.5°	159.7	144.0	128.4	109.6	93.9	68.9	50.1	34.4	31.3	31.3
85°	68.9	81.4	87.7	93.9	75.2	56.4	34.4	21.9	18.8	18.8
87.5°	28.2	25.1	21.9	18.8	15.7	15.7	12.5	9.4	6.3	6.3
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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