

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: P528680

Luminaire Tested: **GLAN-SA3D-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528680
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-SA3D-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1200mA 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: 16022 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

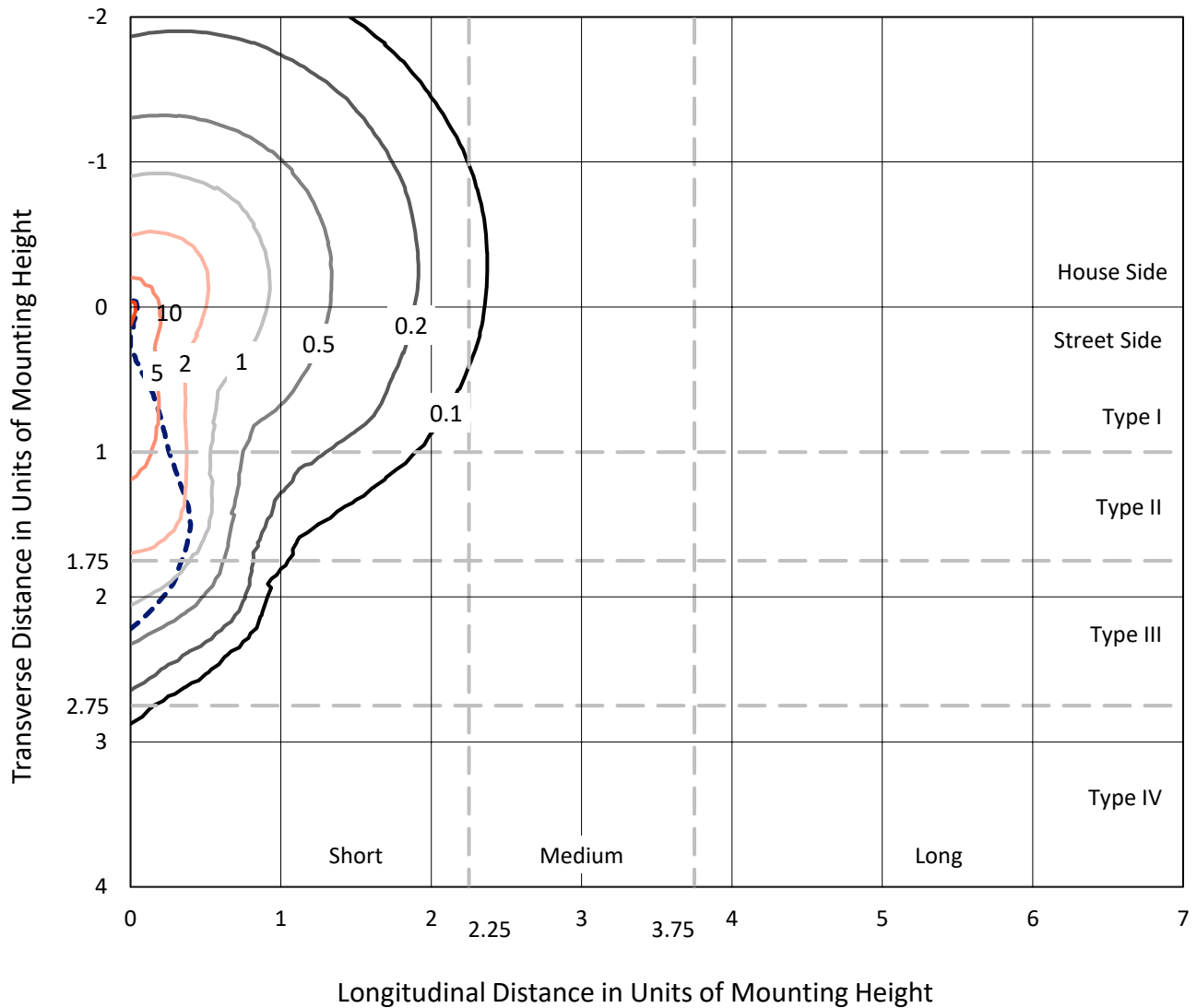
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

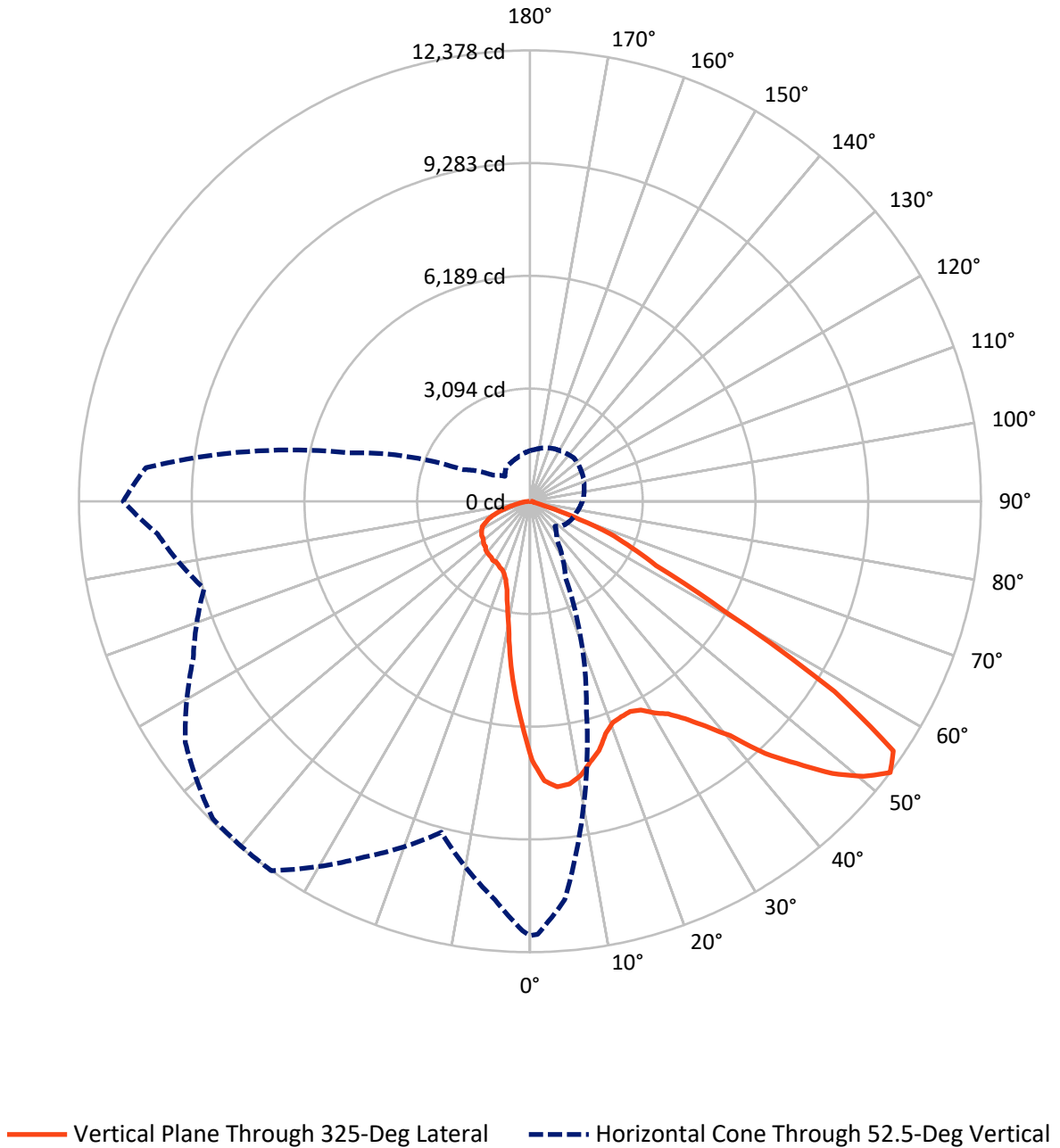
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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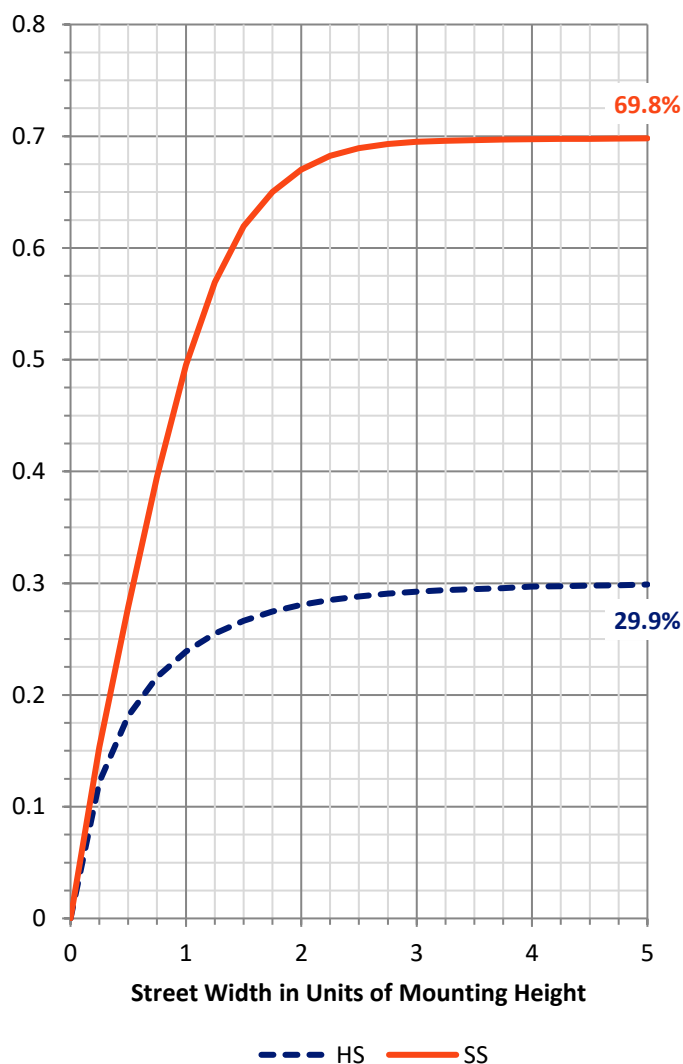
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4830.0	0.0	4830.0
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	11192.0	0.0	11192.0
	% Fixture	69.9	0.0	69.9
Total	Lumens	16022.0	0.0	16022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.5	3.4
10°-20°	1176.0	7.3
20°-30°	1776.9	11.1
30°-40°	2567.6	16.0
40°-50°	3417.1	21.3
50°-60°	3822.1	23.9
60°-70°	2154.1	13.4
70°-80°	480.2	3.0
80°-90°	85.5	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°	16022.0	100.0
0°-180°	16022.0	100.0

Coefficient of Utilization



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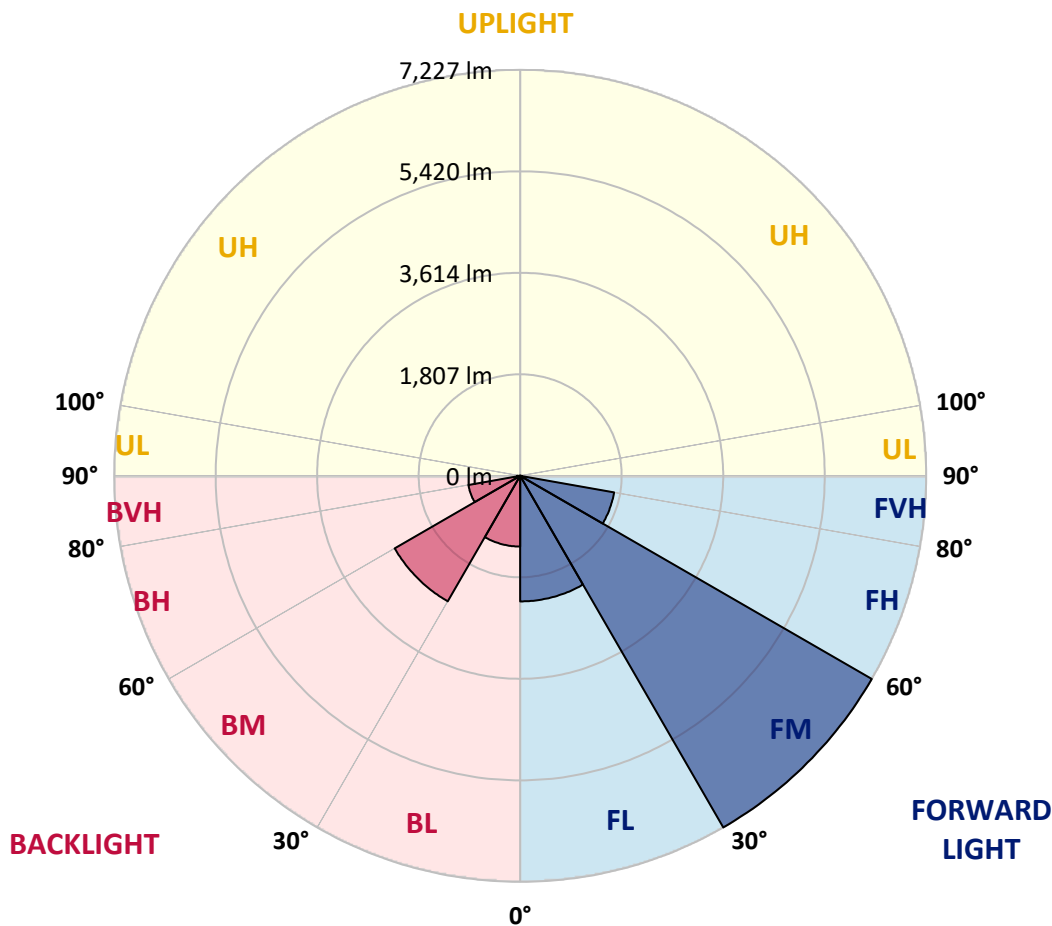
CATALOG NUMBER: GLAN-SA3D-735-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2235.8	14.0			
FM (30°-60°)	7227.1	45.1			
FH (60°-80°)	1698.1	10.6			G1/1800
FVH (80°-90°)	31.0	0.2			G1/100
BL (0°-30°)	1259.5	7.9	B3/2500		
BM (30°-60°)	2579.7	16.1	B3/5000		
BH (60°-80°)	936.2	5.8	B2/1000		G2/1000
BVH (80°-90°)	54.5	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7
2.5°	7229.1	7345.2	7219.8	6996.9	6839.0	6695.0	6544.0	6513.8	6316.5	6281.6	6137.6
5°	6818.1	6792.5	6639.2	6346.6	6023.9	5731.3	5515.3	5306.3	5164.6	4999.8	4988.1
7.5°	6318.8	6170.2	6081.9	5638.4	5238.9	4779.1	4581.8	4263.6	4163.8	4015.1	3938.5
10°	5872.9	5763.8	5557.1	5113.5	4556.2	4252.0	4040.7	3868.8	3752.7	3599.5	3406.7
12.5°	5652.3	5608.2	5376.0	4688.6	4275.2	3950.1	3801.5	3634.3	3436.9	3190.7	3095.5
15°	5691.8	5543.2	5366.7	4607.3	4036.0	3722.5	3485.7	3276.7	3023.5	2789.0	2652.0
17.5°	5986.7	5872.9	5519.9	4658.4	3945.5	3492.6	3063.0	2754.2	2526.6	2315.3	2220.0
20°	6567.3	6402.4	6005.3	4723.4	3750.4	3172.2	2679.9	2299.0	2055.2	1943.7	1911.2
22.5°	7210.5	7113.0	6479.0	4869.7	3594.8	2874.9	2273.5	1892.6	1802.0	1771.9	1832.2
25°	7993.1	7740.0	7215.2	5108.9	3474.1	2621.8	1929.8	1718.4	1672.0	1702.2	1771.9
27.5°	8587.6	8520.3	7730.7	5334.2	3309.2	2317.6	1737.0	1597.7	1611.6	1641.8	1706.8
30°	9293.6	8952.2	8230.0	5489.7	3160.6	2108.6	1602.3	1565.2	1579.1	1630.2	1662.7
32.5°	9718.5	9590.8	8543.5	5724.3	2988.7	1927.4	1497.8	1463.0	1483.9	1560.5	1637.2
35°	10259.6	10006.5	8931.3	5784.7	2868.0	1855.5	1423.5	1398.0	1446.7	1500.2	1586.1
37.5°	10891.2	10717.1	9467.7	5742.9	2802.9	1781.1	1360.8	1349.2	1384.0	1458.4	1558.2
40°	11265.1	11211.7	9748.7	5768.4	2700.8	1716.1	1288.8	1302.8	1374.8	1432.8	1530.3
42.5°	11625.1	11276.7	10164.4	5759.1	2635.7	1627.9	1295.8	1279.5	1335.3	1402.6	1495.5
45°	11704.0	11358.0	10261.9	5694.1	2556.8	1542.0	1242.4	1249.4	1316.7	1400.3	1460.7
47.5°	11652.9	11397.5	10443.1	5675.5	2482.5	1481.6	1163.4	1247.0	1286.5	1353.9	1439.8
50°	11618.1	11604.2	10596.3	5763.8	2382.6	1386.4	1068.2	1216.8	1256.3	1323.7	1416.6
52.5°	11924.6	11894.5	10979.5	5996.0	2303.7	1284.2	970.7	1140.2	1235.4	1300.4	1391.0
55°	12110.4	11978.1	11636.7	6281.6	2171.3	1149.5	903.3	1045.0	1184.3	1242.4	1335.3
57.5°	10893.6	10803.0	10526.7	5863.6	1948.3	973.0	819.7	947.5	1114.7	1205.2	1300.4
60°	9063.7	8922.0	8213.7	4983.5	1437.5	757.0	768.7	870.8	1096.1	1130.9	1242.4
62.5°	8545.8	8195.1	7231.4	4010.5	1103.1	650.2	689.7	801.2	998.6	1056.6	1168.1
65°	6780.9	6520.8	5173.9	2895.8	738.5	564.3	629.3	722.2	861.5	975.3	1077.5
67.5°	4245.0	3996.6	2761.1	1370.1	515.5	483.0	562.0	659.5	773.3	875.5	989.3
70°	2217.7	1946.0	1274.9	494.6	355.3	394.8	469.1	562.0	673.4	757.0	845.3
72.5°	826.7	671.1	415.7	213.6	246.2	301.9	380.8	448.2	527.1	629.3	678.1
75°	127.7	109.1	106.8	130.0	167.2	218.3	271.7	339.0	408.7	473.7	506.2
77.5°	60.4	58.1	65.0	85.9	111.5	155.6	197.4	262.4	318.1	359.9	378.5
80°	39.5	37.2	41.8	58.1	83.6	116.1	157.9	202.0	253.1	288.0	283.3
82.5°	23.2	25.5	25.5	39.5	58.1	83.6	113.8	153.3	188.1	218.3	199.7
85°	13.9	11.6	11.6	23.2	39.5	67.3	95.2	65.0	67.3	67.3	76.6
87.5°	4.6	4.6	4.6	2.3	4.6	4.6	7.0	11.6	13.9	16.3	20.9
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°	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7
2.5°	6133.0	6205.0	6179.4	6088.9	6158.5	6170.2	6123.7	6283.9	6314.1	6265.4	6279.3
5°	4971.9	4990.5	5032.3	5120.5	5183.2	5257.5	5257.5	5262.2	5199.5	5357.4	5310.9
7.5°	3873.5	3885.1	3933.9	4122.0	4175.4	4317.0	4377.4	4335.6	4210.2	4156.8	4200.9
10°	3344.0	3276.7	3260.4	3283.6	3404.4	3464.8	3515.9	3501.9	3481.0	3439.2	3392.8
12.5°	2991.0	2942.3	2902.8	2847.1	2854.0	2912.1	2951.6	2919.0	2928.3	2937.6	2951.6
15°	2607.9	2573.0	2552.1	2468.5	2459.2	2498.7	2512.7	2531.2	2566.1	2568.4	2552.1
17.5°	2201.5	2171.3	2217.7	2264.2	2231.7	2234.0	2259.5	2275.8	2266.5	2224.7	2203.8
20°	1922.8	1955.3	2001.8	2045.9	2080.7	2101.6	2110.9	2085.4	2055.2	1969.2	1966.9
22.5°	1841.5	1883.3	1922.8	1990.1	2022.7	2076.1	2027.3	1969.2	1927.4	1885.6	1836.9
25°	1781.1	1816.0	1894.9	1920.5	1983.2	2027.3	1992.5	1934.4	1862.4	1802.0	1764.9
27.5°	1737.0	1776.5	1827.6	1897.3	1946.0	1971.6	1936.7	1913.5	1839.2	1767.2	1713.8
30°	1709.2	1751.0	1843.8	1901.9	1943.7	1964.6	1904.2	1876.4	1822.9	1762.6	1716.1
32.5°	1690.6	1727.7	1806.7	1881.0	1908.9	1908.9	1918.2	1885.6	1811.3	1709.2	1669.7
35°	1630.2	1681.3	1746.3	1832.2	1883.3	1913.5	1867.1	1829.9	1781.1	1676.6	1604.7
37.5°	1595.4	1630.2	1713.8	1795.1	1839.2	1871.7	1853.1	1788.1	1723.1	1637.2	1579.1
40°	1558.2	1613.9	1688.3	1764.9	1813.7	1846.2	1832.2	1755.6	1676.6	1595.4	1555.9
42.5°	1532.7	1569.8	1646.5	1732.4	1790.4	1853.1	1811.3	1716.1	1660.4	1548.9	1504.8
45°	1511.8	1572.1	1653.4	1688.3	1748.6	1813.7	1739.3	1681.3	1616.3	1535.0	1497.8
47.5°	1486.2	1542.0	1595.4	1688.3	1716.1	1746.3	1732.4	1639.5	1583.8	1495.5	1470.0
50°	1476.9	1497.8	1595.4	1646.5	1685.9	1716.1	1679.0	1609.3	1555.9	1465.3	1409.6
52.5°	1439.8	1479.3	1542.0	1609.3	1658.1	1695.2	1634.8	1590.7	1518.7	1423.5	1388.7
55°	1393.3	1416.6	1528.0	1597.7	1623.2	1648.8	1625.6	1553.6	1479.3	1381.7	1346.9
57.5°	1333.0	1386.4	1476.9	1574.5	1607.0	1620.9	1583.8	1525.7	1432.8	1346.9	1291.2
60°	1270.3	1326.0	1425.8	1504.8	1537.3	1588.4	1532.7	1497.8	1391.0	1295.8	1235.4
62.5°	1207.6	1270.3	1344.6	1444.4	1472.3	1493.2	1479.3	1430.5	1344.6	1237.7	1163.4
65°	1133.2	1179.7	1272.6	1323.7	1342.2	1391.0	1342.2	1323.7	1247.0	1144.9	1082.2
67.5°	1021.8	1061.3	1142.5	1191.3	1205.2	1226.1	1223.8	1202.9	1117.0	1047.3	991.6
70°	894.1	928.9	980.0	1038.0	1045.0	1070.5	1047.3	1042.7	986.9	891.7	861.5
72.5°	717.6	750.1	817.4	843.0	845.3	854.6	843.0	826.7	812.8	712.9	682.7
75°	550.4	568.9	601.5	624.7	624.7	636.3	629.3	613.1	575.9	513.2	483.0
77.5°	383.2	401.7	443.5	457.5	455.2	459.8	438.9	422.6	366.9	334.4	308.9
80°	278.7	290.3	311.2	320.5	322.8	329.8	304.2	290.3	257.8	220.6	209.0
82.5°	202.0	209.0	211.3	222.9	222.9	211.3	204.4	190.4	167.2	144.0	134.7
85°	83.6	85.9	88.2	102.2	104.5	125.4	116.1	109.1	95.2	81.3	74.3
87.5°	20.9	23.2	30.2	25.5	30.2	30.2	32.5	37.2	37.2	30.2	30.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7
2.5°	6332.7	6351.3	6588.2	6618.3	6734.5	6852.9	7092.1	7263.9	7403.3	7493.8	7519.4
5°	5359.7	5478.1	5587.3	5763.8	5924.0	6151.6	6414.0	6739.1	7147.8	7356.8	7440.4
7.5°	4196.3	4335.6	4493.5	4665.4	4899.9	5308.6	5659.3	6035.5	6558.0	6773.9	7101.4
10°	3425.3	3580.9	3789.9	3922.2	4205.6	4595.7	5004.4	5438.7	5937.9	6249.1	6627.6
12.5°	3028.2	3155.9	3348.7	3627.3	3838.6	4091.8	4396.0	4944.0	5659.3	5954.2	6214.3
15°	2589.3	2730.9	2953.9	3262.7	3515.9	3817.7	4159.1	4755.9	5517.6	5972.8	6193.4
17.5°	2227.0	2329.2	2563.7	2830.8	3121.1	3450.8	3940.8	4746.6	5666.2	6249.1	6609.1
20°	1976.2	1990.1	2117.9	2345.5	2740.2	3169.8	3806.1	4700.2	6142.3	6725.2	7180.3
22.5°	1818.3	1804.4	1806.7	1999.4	2275.8	2893.5	3594.8	4858.1	6683.4	7482.2	7788.8
25°	1739.3	1702.2	1679.0	1720.8	1971.6	2566.1	3434.6	5067.1	7266.3	8106.9	8483.1
27.5°	1697.5	1632.5	1586.1	1593.0	1776.5	2401.2	3334.7	5157.7	7844.5	8977.7	9110.1
30°	1681.3	1600.0	1532.7	1509.4	1630.2	2171.3	3121.1	5313.3	8362.3	9456.1	9569.9
32.5°	1623.2	1523.4	1458.4	1437.5	1486.2	1969.2	2967.8	5424.7	8819.8	9976.3	9936.8
35°	1555.9	1472.3	1391.0	1351.5	1386.4	1839.2	2844.7	5371.3	9358.6	10380.4	10359.5
37.5°	1548.9	1439.8	1372.4	1307.4	1305.1	1679.0	2677.5	5422.4	9702.3	11104.9	10819.3
40°	1488.5	1418.9	1330.6	1277.2	1247.0	1597.7	2515.0	5301.6	10206.2	11397.5	11116.5
42.5°	1490.9	1386.4	1309.7	1247.0	1216.8	1479.3	2403.5	5269.1	10382.7	11873.6	11255.8
45°	1453.7	1351.5	1286.5	1212.2	1195.9	1388.7	2296.7	5118.2	10693.9	11896.8	11081.7
47.5°	1416.6	1326.0	1256.3	1168.1	1130.9	1356.2	2213.1	4992.8	10531.3	11678.5	10840.2
50°	1391.0	1286.5	1221.5	1158.8	1054.3	1300.4	2103.9	4962.6	10303.7	11383.6	10392.0
52.5°	1346.9	1254.0	1186.7	1137.9	970.7	1249.4	2062.1	5139.1	10582.4	11162.9	10261.9
55°	1305.1	1209.9	1124.0	1028.7	901.0	1114.7	1946.0	5304.0	10988.8	11671.5	10851.8
57.5°	1261.0	1170.4	1077.5	963.7	833.7	975.3	1825.3	5334.2	10227.1	10786.7	10301.4
60°	1202.9	1086.8	1017.1	868.5	761.7	808.1	1446.7	4702.5	7932.7	9007.9	9024.2
62.5°	1137.9	1012.5	952.1	777.9	687.4	696.7	1179.7	3952.4	6434.9	7456.7	7900.2
65°	1052.0	931.2	859.2	719.9	634.0	603.8	863.9	2895.8	4888.3	6049.4	6553.3
67.5°	940.5	826.7	736.1	627.0	566.6	517.9	589.8	1630.2	2886.5	4061.6	4214.8
70°	822.1	724.5	629.3	538.8	471.4	436.6	431.9	722.2	1379.4	2185.2	2487.1
72.5°	647.9	578.2	501.6	434.3	390.1	339.0	308.9	299.6	466.8	889.4	1228.5
75°	464.4	406.4	362.3	318.1	285.6	257.8	234.5	213.6	195.1	222.9	306.5
77.5°	292.6	271.7	236.9	225.3	206.7	199.7	190.4	178.8	164.9	155.6	155.6
80°	197.4	183.5	171.8	169.5	162.6	160.2	162.6	150.9	137.0	125.4	130.0
82.5°	132.4	130.0	127.7	125.4	127.7	130.0	134.7	132.4	120.8	113.8	116.1
85°	79.0	83.6	88.2	92.9	102.2	90.6	74.3	62.7	55.7	51.1	48.8
87.5°	30.2	41.8	37.2	34.8	37.2	34.8	32.5	30.2	25.5	23.2	23.2
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: P528680

CATALOG NUMBER: GLAN-SA3D-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7	7110.7
2.5°	7688.9	7735.3	7774.8	7765.5	7684.3	7575.1	7531.0	7305.7	7259.3	7229.1
5°	7793.4	8062.8	8120.8	8086.0	7874.7	7607.6	7347.5	7017.8	6825.0	6818.1
7.5°	7600.7	7932.7	8037.2	8116.2	7835.2	7370.8	6924.9	6430.2	6309.5	6318.8
10°	7110.7	7640.1	7897.9	7979.2	7656.4	7254.6	6636.9	6135.3	5877.6	5872.9
12.5°	6839.0	7254.6	7326.6	7440.4	7345.2	6938.8	6469.7	5907.7	5656.9	5652.3
15°	6597.4	6871.5	6892.4	7052.6	7103.7	6829.7	6513.8	5914.7	5712.7	5691.8
17.5°	6808.8	6618.3	6539.4	6560.3	6711.2	6811.1	6769.3	6309.5	6102.8	5986.7
20°	6950.4	6525.5	6286.3	6309.5	6488.3	6852.9	7150.1	6880.8	6553.3	6567.3
22.5°	7329.0	6539.4	6165.5	6140.0	6423.3	7071.2	7579.8	7603.0	7287.2	7210.5
25°	7895.6	6699.6	6128.4	6121.4	6393.1	7305.7	8081.4	8457.6	8134.8	7993.1
27.5°	8350.7	6950.4	6244.5	6267.7	6488.3	7496.2	8508.6	9007.9	8761.8	8587.6
30°	8750.2	7210.5	6407.0	6300.2	6743.8	7596.0	8692.1	9634.9	9437.5	9293.6
32.5°	8915.0	7579.8	6664.8	6488.3	6955.1	7716.8	9072.9	10243.3	10073.8	9718.5
35°	9193.7	7786.4	6804.1	6790.2	7324.3	8007.0	9251.8	10645.1	10575.4	10259.6
37.5°	9416.6	7995.4	7298.8	7145.5	7830.6	8494.7	9539.7	11200.1	11039.9	10891.2
40°	9588.5	8369.3	7760.9	7962.9	8452.9	8938.3	9804.4	11234.9	11697.1	11265.1
42.5°	9430.6	8703.7	8520.3	9003.3	9467.7	9444.5	9834.6	11504.3	11850.3	11625.1
45°	9391.1	9270.3	9720.8	10159.7	10266.6	9864.8	9618.7	11207.1	11803.9	11704.0
47.5°	9295.9	9827.7	10612.6	11327.8	11165.3	10145.8	9360.9	11153.7	11831.8	11652.9
50°	9263.4	9948.4	11272.1	11968.8	11871.2	10389.6	9240.1	10810.0	11634.4	11618.1
52.5°	9261.0	10196.9	11546.1	12317.1	12377.5	10775.1	9405.0	10984.1	11787.6	11924.6
55°	9365.5	10117.9	11511.3	12124.4	12101.1	10603.3	9423.6	11100.2	11975.7	12110.4
57.5°	8833.8	9063.7	9500.2	9985.6	9860.2	8782.7	8415.8	10261.9	10991.1	10893.6
60°	7628.5	6908.6	6416.3	6393.1	6149.3	5812.5	6887.7	9158.9	9158.9	9063.7
62.5°	6681.0	4535.3	3896.7	3715.6	3889.7	4277.5	6643.9	8908.1	8654.9	8545.8
65°	5842.7	3462.4	2816.9	2765.8	3067.7	3652.9	6007.6	7589.0	7143.2	6780.9
67.5°	3759.7	2535.9	2094.6	2004.1	2368.7	2682.2	3998.9	4667.7	4386.7	4245.0
70°	2424.4	1651.1	1165.8	1093.8	1235.4	1653.4	2554.5	2721.7	2312.9	2217.7
72.5°	1147.2	712.9	408.7	336.7	378.5	631.6	1010.2	1086.8	903.3	826.7
75°	364.6	262.4	167.2	144.0	137.0	162.6	232.2	178.8	130.0	127.7
77.5°	162.6	155.6	132.4	111.5	97.5	81.3	67.3	55.7	58.1	60.4
80°	134.7	123.1	109.1	97.5	81.3	62.7	48.8	37.2	37.2	39.5
82.5°	118.4	106.8	95.2	81.3	69.7	51.1	37.2	25.5	23.2	23.2
85°	51.1	60.4	65.0	69.7	55.7	41.8	25.5	16.3	13.9	13.9
87.5°	20.9	18.6	16.3	13.9	11.6	11.6	9.3	7.0	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)