

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: P527744

Luminaire Tested: **GLAN-SA2D-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527744
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-SA2D-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 10793 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

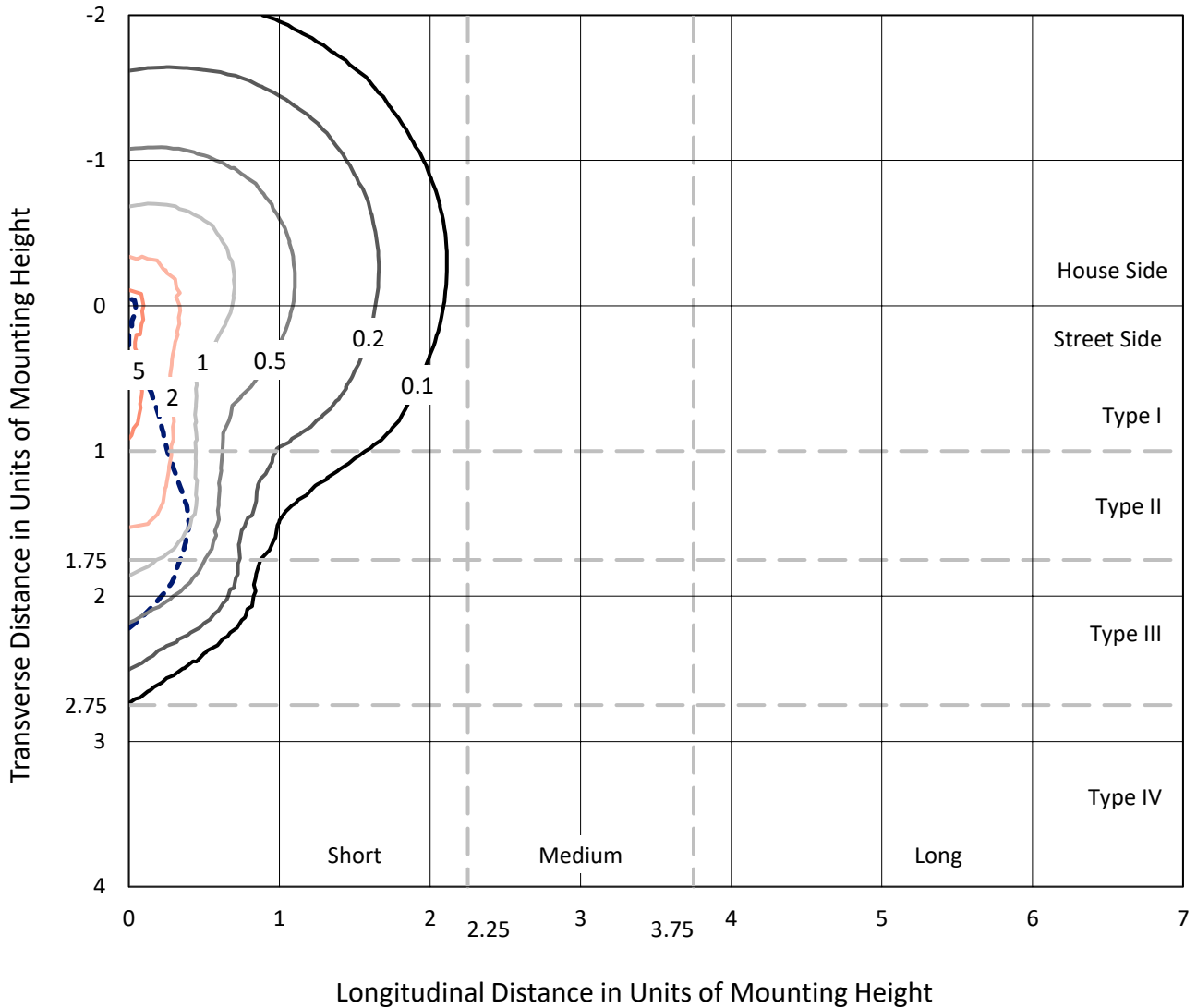
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

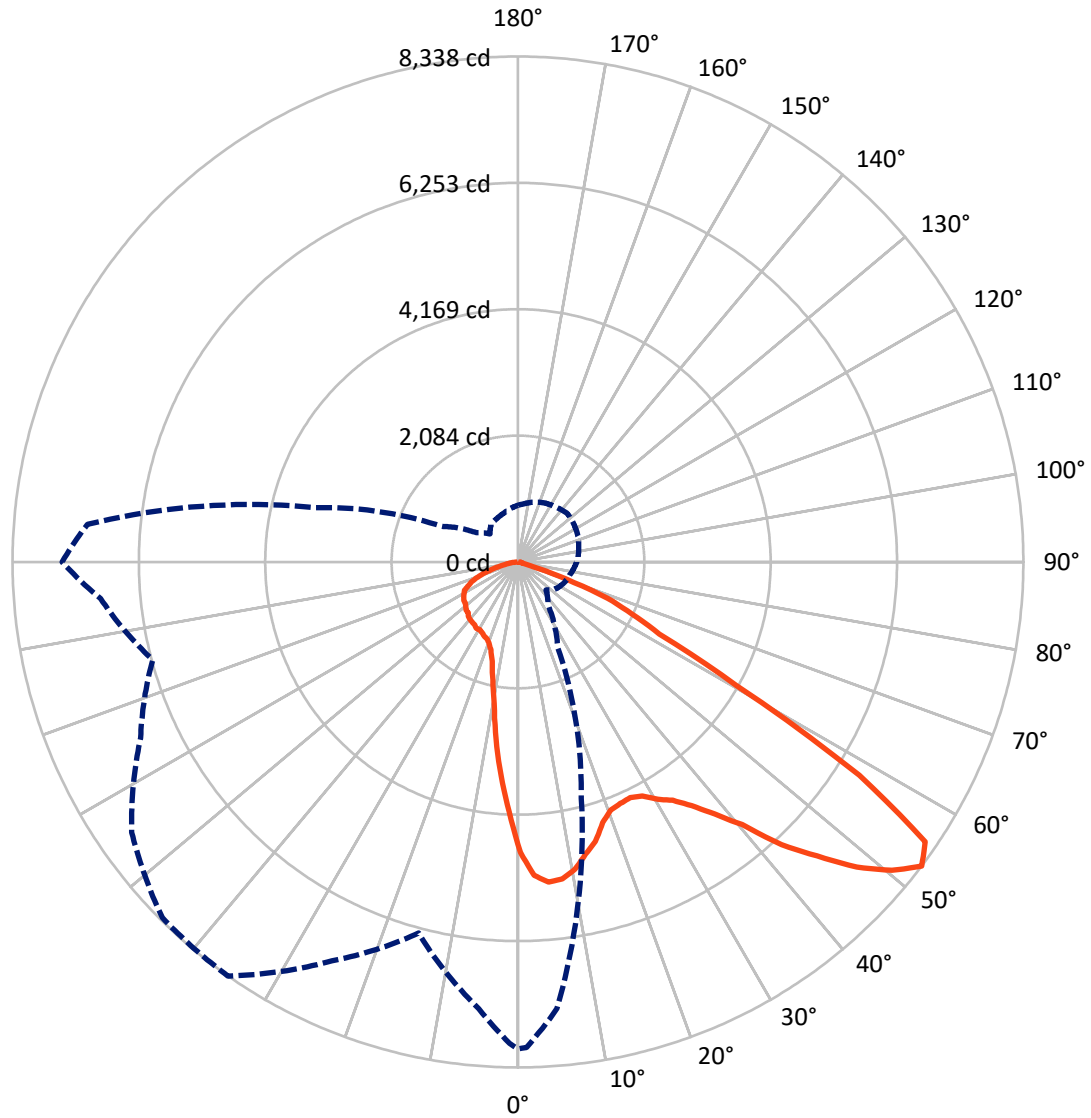
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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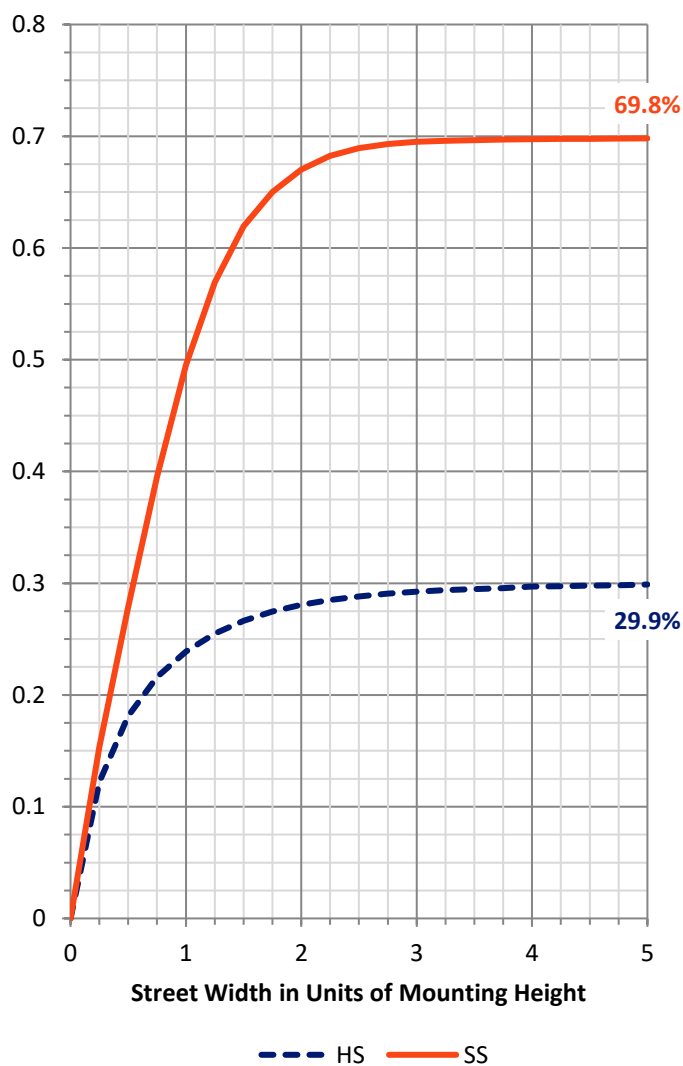
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3253.6	0.0	3253.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	7539.4	0.0	7539.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	10793.0	0.0	10793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.4	3.4
10°-20°	792.2	7.3
20°-30°	1197.0	11.1
30°-40°	1729.7	16.0
40°-50°	2301.9	21.3
50°-60°	2574.7	23.9
60°-70°	1451.1	13.4
70°-80°	323.5	3.0
80°-90°	57.6	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°	10793.0	100.0
0°-180°	10793.0	100.0

Coefficient of Utilization



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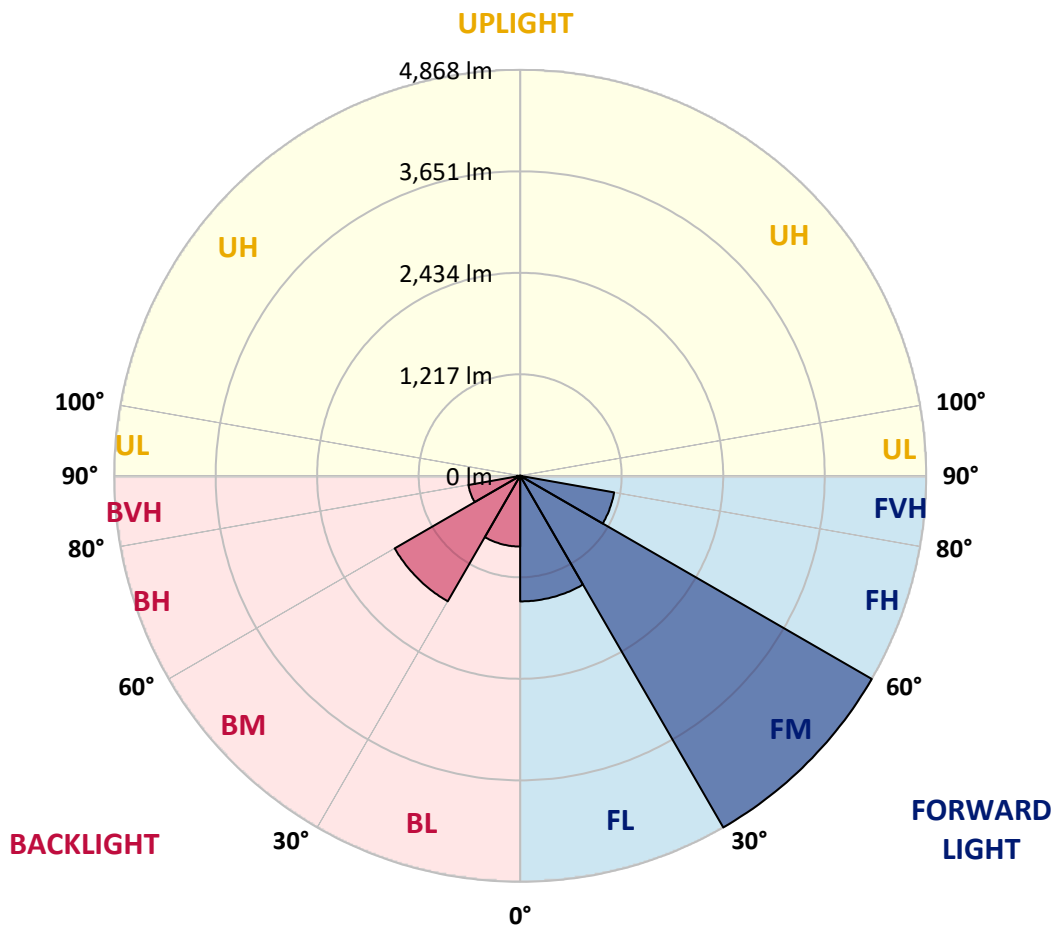
CATALOG NUMBER: GLAN-SA2D-735-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1506.1	14.0			
FM (30°-60°)	4868.5	45.1			
FH (60°-80°)	1143.9	10.6			G1/1800
FVH (80°-90°)	20.9	0.2			G1/100
BL (0°-30°)	848.5	7.9	B2/1000		
BM (30°-60°)	1737.8	16.1	B2/2500		
BH (60°-80°)	630.7	5.8	B2/1000		G2/1000
BVH (80°-90°)	36.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0
2.5°	4869.8	4948.0	4863.5	4713.3	4607.0	4510.0	4408.3	4388.0	4255.0	4231.5	4134.5
5°	4592.9	4575.7	4472.4	4275.3	4057.9	3860.8	3715.3	3574.5	3479.1	3368.0	3360.2
7.5°	4256.6	4156.4	4097.0	3798.2	3529.1	3219.4	3086.4	2872.1	2804.9	2704.7	2653.1
10°	3956.2	3882.7	3743.5	3444.7	3069.2	2864.3	2721.9	2606.2	2528.0	2424.7	2294.9
12.5°	3807.6	3777.9	3621.4	3158.4	2879.9	2660.9	2560.8	2448.2	2315.2	2149.4	2085.3
15°	3834.2	3734.1	3615.2	3103.6	2718.8	2507.6	2348.1	2207.3	2036.8	1878.8	1786.5
17.5°	4032.9	3956.2	3718.4	3138.1	2657.8	2352.8	2063.4	1855.3	1702.0	1559.6	1495.5
20°	4423.9	4312.9	4045.4	3181.9	2526.4	2136.9	1805.2	1548.7	1384.4	1309.4	1287.4
22.5°	4857.3	4791.6	4364.5	3280.4	2421.6	1936.6	1531.5	1274.9	1213.9	1193.6	1234.3
25°	5384.4	5213.9	4860.4	3441.5	2340.2	1766.1	1300.0	1157.6	1126.3	1146.7	1193.6
27.5°	5784.9	5739.6	5207.7	3593.3	2229.2	1561.2	1170.1	1076.3	1085.6	1106.0	1149.8
30°	6260.5	6030.5	5544.0	3698.1	2129.1	1420.4	1079.4	1054.4	1063.7	1098.2	1120.1
32.5°	6546.8	6460.7	5755.2	3856.1	2013.3	1298.4	1009.0	985.5	999.6	1051.2	1102.9
35°	6911.2	6740.7	6016.4	3896.8	1932.0	1249.9	958.9	941.7	974.6	1010.6	1068.4
37.5°	7336.7	7219.4	6377.8	3868.6	1888.2	1199.8	916.7	908.9	932.3	982.4	1049.7
40°	7588.6	7552.6	6567.1	3885.8	1819.3	1156.0	868.2	877.6	926.1	965.2	1030.9
42.5°	7831.1	7596.4	6847.1	3879.6	1775.5	1096.6	872.9	861.9	899.5	944.9	1007.4
45°	7884.3	7651.2	6912.8	3835.8	1722.3	1038.7	836.9	841.6	887.0	943.3	984.0
47.5°	7849.8	7677.8	7034.8	3823.2	1672.3	998.0	783.7	840.0	866.6	912.0	969.9
50°	7826.4	7817.0	7138.1	3882.7	1605.0	933.9	719.6	819.7	846.3	891.7	954.2
52.5°	8032.9	8012.5	7396.2	4039.1	1551.8	865.1	653.9	768.1	832.2	876.0	937.0
55°	8158.0	8068.8	7838.9	4231.5	1462.7	774.3	608.5	704.0	797.8	836.9	899.5
57.5°	7338.3	7277.3	7091.1	3950.0	1312.5	655.5	552.2	638.2	750.9	811.9	876.0
60°	6105.6	6010.2	5533.1	3357.1	968.3	510.0	517.8	586.6	738.4	761.8	836.9
62.5°	5756.8	5520.5	4871.3	2701.6	743.1	438.0	464.6	539.7	672.7	711.8	786.9
65°	4567.9	4392.7	3485.3	1950.7	497.5	380.1	423.9	486.5	580.4	657.0	725.9
67.5°	2859.6	2692.2	1860.0	923.0	347.3	325.4	378.6	444.3	520.9	589.8	666.4
70°	1493.9	1310.9	858.8	333.2	239.3	265.9	316.0	378.6	453.7	510.0	569.4
72.5°	556.9	452.1	280.0	143.9	165.8	203.4	256.6	301.9	355.1	423.9	456.8
75°	86.0	73.5	72.0	87.6	112.6	147.0	183.0	228.4	275.3	319.1	341.0
77.5°	40.7	39.1	43.8	57.9	75.1	104.8	133.0	176.8	214.3	242.5	255.0
80°	26.6	25.0	28.2	39.1	56.3	78.2	106.4	136.1	170.5	194.0	190.8
82.5°	15.6	17.2	17.2	26.6	39.1	56.3	76.7	103.2	126.7	147.0	134.5
85°	9.4	7.8	7.8	15.6	26.6	45.4	64.1	43.8	45.4	45.4	51.6
87.5°	3.1	3.1	3.1	1.6	3.1	3.1	4.7	7.8	9.4	11.0	14.1
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°	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0
2.5°	4131.4	4179.9	4162.7	4101.7	4148.6	4156.4	4125.2	4233.1	4253.4	4220.6	4230.0
5°	3349.2	3361.8	3389.9	3449.4	3491.6	3541.7	3541.7	3544.8	3502.6	3608.9	3577.6
7.5°	2609.3	2617.1	2650.0	2776.7	2812.7	2908.1	2948.8	2920.6	2836.1	2800.2	2829.9
10°	2252.6	2207.3	2196.3	2212.0	2293.3	2334.0	2368.4	2359.0	2344.9	2316.8	2285.5
12.5°	2014.9	1982.0	1955.4	1917.9	1922.6	1961.7	1988.3	1966.4	1972.6	1978.9	1988.3
15°	1756.8	1733.3	1719.2	1662.9	1656.6	1683.2	1692.6	1705.1	1728.6	1730.2	1719.2
17.5°	1483.0	1462.7	1493.9	1525.2	1503.3	1504.9	1522.1	1533.1	1526.8	1498.6	1484.6
20°	1295.3	1317.2	1348.5	1378.2	1401.6	1415.7	1422.0	1404.8	1384.4	1326.6	1325.0
22.5°	1240.5	1268.7	1295.3	1340.6	1362.5	1398.5	1365.7	1326.6	1298.4	1270.2	1237.4
25°	1199.8	1223.3	1276.5	1293.7	1335.9	1365.7	1342.2	1303.1	1254.6	1213.9	1188.9
27.5°	1170.1	1196.7	1231.1	1278.1	1310.9	1328.1	1304.7	1289.0	1239.0	1190.5	1154.5
30°	1151.4	1179.5	1242.1	1281.2	1309.4	1323.4	1282.8	1264.0	1228.0	1187.3	1156.0
32.5°	1138.8	1163.9	1217.1	1267.1	1285.9	1285.9	1292.1	1270.2	1220.2	1151.4	1124.8
35°	1098.2	1132.6	1176.4	1234.3	1268.7	1289.0	1257.7	1232.7	1199.8	1129.5	1081.0
37.5°	1074.7	1098.2	1154.5	1209.2	1239.0	1260.9	1248.3	1204.5	1160.7	1102.9	1063.7
40°	1049.7	1087.2	1137.3	1188.9	1221.7	1243.6	1234.3	1182.6	1129.5	1074.7	1048.1
42.5°	1032.5	1057.5	1109.1	1167.0	1206.1	1248.3	1220.2	1156.0	1118.5	1043.4	1013.7
45°	1018.4	1059.1	1113.8	1137.3	1177.9	1221.7	1171.7	1132.6	1088.8	1034.0	1009.0
47.5°	1001.2	1038.7	1074.7	1137.3	1156.0	1176.4	1167.0	1104.4	1066.9	1007.4	990.2
50°	994.9	1009.0	1074.7	1109.1	1135.7	1156.0	1131.0	1084.1	1048.1	987.1	949.6
52.5°	969.9	996.5	1038.7	1084.1	1116.9	1142.0	1101.3	1071.6	1023.1	958.9	935.5
55°	938.6	954.2	1029.3	1076.3	1093.5	1110.7	1095.0	1046.5	996.5	930.8	907.3
57.5°	897.9	933.9	994.9	1060.6	1082.5	1091.9	1066.9	1027.8	965.2	907.3	869.8
60°	855.7	893.2	960.5	1013.7	1035.6	1070.0	1032.5	1009.0	937.0	872.9	832.2
62.5°	813.5	855.7	905.8	973.0	991.8	1005.9	996.5	963.6	905.8	833.8	783.7
65°	763.4	794.7	857.3	891.7	904.2	937.0	904.2	891.7	840.0	771.2	729.0
67.5°	688.3	714.9	769.7	802.5	811.9	826.0	824.4	810.3	752.4	705.5	668.0
70°	602.3	625.7	660.2	699.3	704.0	721.2	705.5	702.4	664.8	600.7	580.4
72.5°	483.4	505.3	550.6	567.9	569.4	575.7	567.9	556.9	547.5	480.3	459.9
75°	370.7	383.3	405.2	420.8	420.8	428.6	423.9	413.0	388.0	345.7	325.4
77.5°	258.1	270.6	298.8	308.2	306.6	309.7	295.7	284.7	247.2	225.3	208.1
80°	187.7	195.5	209.6	215.9	217.4	222.1	204.9	195.5	173.6	148.6	140.8
82.5°	136.1	140.8	142.4	150.2	150.2	142.4	137.7	128.3	112.6	97.0	90.7
85°	56.3	57.9	59.4	68.8	70.4	84.5	78.2	73.5	64.1	54.8	50.1
87.5°	14.1	15.6	20.3	17.2	20.3	20.3	21.9	25.0	25.0	20.3	20.3
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°	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0
2.5°	4265.9	4278.5	4438.0	4458.4	4536.6	4616.4	4777.5	4893.2	4987.1	5048.1	5065.3
5°	3610.5	3690.3	3763.8	3882.7	3990.6	4143.9	4320.7	4539.7	4815.0	4955.8	5012.1
7.5°	2826.8	2920.6	3027.0	3142.8	3300.8	3576.1	3812.3	4065.7	4417.7	4563.2	4783.7
10°	2307.4	2412.2	2553.0	2642.2	2833.0	3095.8	3371.1	3663.7	4000.0	4209.6	4464.6
12.5°	2039.9	2125.9	2255.8	2443.5	2585.8	2756.4	2961.3	3330.5	3812.3	4011.0	4186.2
15°	1744.2	1839.7	1989.8	2197.9	2368.4	2571.8	2801.7	3203.8	3716.9	4023.5	4172.1
17.5°	1500.2	1569.0	1727.0	1906.9	2102.5	2324.6	2654.7	3197.5	3817.0	4209.6	4452.1
20°	1331.3	1340.6	1426.7	1580.0	1845.9	2135.3	2563.9	3166.2	4137.7	4530.3	4836.9
22.5°	1224.9	1215.5	1217.1	1346.9	1533.1	1949.2	2421.6	3272.6	4502.2	5040.3	5246.8
25°	1171.7	1146.7	1131.0	1159.2	1328.1	1728.6	2313.7	3413.4	4894.8	5461.1	5714.5
27.5°	1143.5	1099.7	1068.4	1073.1	1196.7	1617.5	2246.4	3474.4	5284.3	6047.7	6136.9
30°	1132.6	1077.8	1032.5	1016.8	1098.2	1462.7	2102.5	3579.2	5633.2	6370.0	6446.6
32.5°	1093.5	1026.2	982.4	968.3	1001.2	1326.6	1999.2	3654.3	5941.4	6720.4	6693.8
35°	1048.1	991.8	937.0	910.4	933.9	1239.0	1916.3	3618.3	6304.3	6992.6	6978.5
37.5°	1043.4	969.9	924.5	880.7	879.2	1131.0	1803.7	3652.7	6535.8	7480.7	7288.2
40°	1002.7	955.8	896.4	860.4	840.0	1076.3	1694.2	3571.4	6875.3	7677.8	7488.5
42.5°	1004.3	933.9	882.3	840.0	819.7	996.5	1619.1	3549.5	6994.2	7998.5	7582.3
45°	979.3	910.4	866.6	816.6	805.6	935.5	1547.1	3447.8	7203.8	8014.1	7465.0
47.5°	954.2	893.2	846.3	786.9	761.8	913.6	1490.8	3363.3	7094.3	7867.1	7302.3
50°	937.0	866.6	822.8	780.6	710.2	876.0	1417.3	3343.0	6941.0	7668.4	7000.4
52.5°	907.3	844.7	799.4	766.5	653.9	841.6	1389.1	3461.9	7128.7	7519.8	6912.8
55°	879.2	815.0	757.1	693.0	607.0	750.9	1310.9	3572.9	7402.4	7862.4	7310.1
57.5°	849.4	788.4	725.9	649.2	561.6	657.0	1229.6	3593.3	6889.3	7266.3	6939.4
60°	810.3	732.1	685.2	585.1	513.1	544.4	974.6	3167.8	5343.8	6068.1	6079.0
62.5°	766.5	682.1	641.4	524.1	463.0	469.3	794.7	2662.5	4334.8	5023.1	5321.9
65°	708.6	627.3	578.8	484.9	427.1	406.7	581.9	1950.7	3292.9	4075.1	4414.6
67.5°	633.6	556.9	495.9	422.4	381.7	348.8	397.3	1098.2	1944.5	2736.0	2839.3
70°	553.8	488.1	423.9	362.9	317.6	294.1	291.0	486.5	929.2	1472.0	1675.4
72.5°	436.5	389.5	337.9	292.5	262.8	228.4	208.1	201.8	314.4	599.1	827.5
75°	312.9	273.8	244.0	214.3	192.4	173.6	158.0	143.9	131.4	150.2	206.5
77.5°	197.1	183.0	159.6	151.7	139.2	134.5	128.3	120.5	111.1	104.8	104.8
80°	133.0	123.6	115.8	114.2	109.5	107.9	109.5	101.7	92.3	84.5	87.6
82.5°	89.2	87.6	86.0	84.5	86.0	87.6	90.7	89.2	81.3	76.7	78.2
85°	53.2	56.3	59.4	62.6	68.8	61.0	50.1	42.2	37.5	34.4	32.9
87.5°	20.3	28.2	25.0	23.5	25.0	23.5	21.9	20.3	17.2	15.6	15.6
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: P527744

CATALOG NUMBER: GLAN-SA2D-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0	4790.0
2.5°	5179.5	5210.8	5237.4	5231.1	5176.4	5102.9	5073.1	4921.4	4890.1	4869.8
5°	5249.9	5431.4	5470.5	5447.0	5304.7	5124.8	4949.6	4727.4	4597.6	4592.9
7.5°	5120.1	5343.8	5414.2	5467.4	5278.1	4965.2	4664.9	4331.6	4250.3	4256.6
10°	4790.0	5146.7	5320.3	5375.1	5157.6	4887.0	4470.9	4133.0	3959.3	3956.2
12.5°	4607.0	4887.0	4935.5	5012.1	4948.0	4674.2	4358.2	3979.7	3810.7	3807.6
15°	4444.3	4628.9	4643.0	4750.9	4785.3	4600.7	4388.0	3984.4	3848.3	3834.2
17.5°	4586.6	4458.4	4405.2	4419.3	4520.9	4588.2	4560.0	4250.3	4111.1	4032.9
20°	4682.1	4395.8	4234.7	4250.3	4370.8	4616.4	4816.6	4635.1	4414.6	4423.9
22.5°	4937.0	4405.2	4153.3	4136.1	4327.0	4763.4	5106.0	5121.6	4908.9	4857.3
25°	5318.7	4513.1	4128.3	4123.6	4306.6	4921.4	5443.9	5697.3	5479.9	5384.4
27.5°	5625.4	4682.1	4206.5	4222.1	4370.8	5049.7	5731.7	6068.1	5902.2	5784.9
30°	5894.4	4857.3	4316.0	4244.0	4542.8	5116.9	5855.3	6490.4	6357.5	6260.5
32.5°	6005.5	5106.0	4489.6	4370.8	4685.2	5198.3	6111.9	6900.3	6786.1	6546.8
35°	6193.2	5245.2	4583.5	4574.1	4933.9	5393.8	6232.3	7170.9	7124.0	6911.2
37.5°	6343.4	5386.0	4916.7	4813.5	5274.9	5722.3	6426.3	7544.8	7436.9	7336.7
40°	6459.1	5637.9	5228.0	5364.1	5694.2	6021.1	6604.6	7568.3	7879.6	7588.6
42.5°	6352.8	5863.1	5739.6	6064.9	6377.8	6362.2	6625.0	7749.7	7982.8	7831.1
45°	6326.2	6244.8	6548.3	6844.0	6915.9	6645.3	6479.5	7549.5	7951.5	7884.3
47.5°	6262.0	6620.3	7149.0	7630.8	7521.3	6834.6	6305.8	7513.5	7970.3	7849.8
50°	6240.1	6701.6	7593.3	8062.6	7996.9	6998.8	6224.5	7282.0	7837.3	7826.4
52.5°	6238.6	6869.0	7777.9	8297.2	8337.9	7258.5	6335.6	7399.3	7940.6	8032.9
55°	6309.0	6815.8	7754.4	8167.4	8151.8	7142.8	6348.1	7477.5	8067.3	8158.0
57.5°	5950.7	6105.6	6399.7	6726.6	6642.2	5916.3	5669.2	6912.8	7404.0	7338.3
60°	5138.8	4653.9	4322.3	4306.6	4142.4	3915.5	4639.8	6169.7	6169.7	6105.6
62.5°	4500.6	3055.2	2625.0	2502.9	2620.3	2881.5	4475.6	6000.8	5830.3	5756.8
65°	3935.9	2332.4	1897.5	1863.1	2066.5	2460.7	4046.9	5112.3	4811.9	4567.9
67.5°	2532.7	1708.3	1411.0	1350.0	1595.6	1806.8	2693.8	3144.3	2955.0	2859.6
70°	1633.2	1112.2	785.3	736.8	832.2	1113.8	1720.8	1833.4	1558.1	1493.9
72.5°	772.8	480.3	275.3	226.8	255.0	425.5	680.5	732.1	608.5	556.9
75°	245.6	176.8	112.6	97.0	92.3	109.5	156.4	120.5	87.6	86.0
77.5°	109.5	104.8	89.2	75.1	65.7	54.8	45.4	37.5	39.1	40.7
80°	90.7	82.9	73.5	65.7	54.8	42.2	32.9	25.0	25.0	26.6
82.5°	79.8	72.0	64.1	54.8	46.9	34.4	25.0	17.2	15.6	15.6
85°	34.4	40.7	43.8	46.9	37.5	28.2	17.2	11.0	9.4	9.4
87.5°	14.1	12.5	11.0	9.4	7.8	7.8	6.3	4.7	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)