

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632102

Luminaire Tested: GWS-SA2C-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6389.5 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

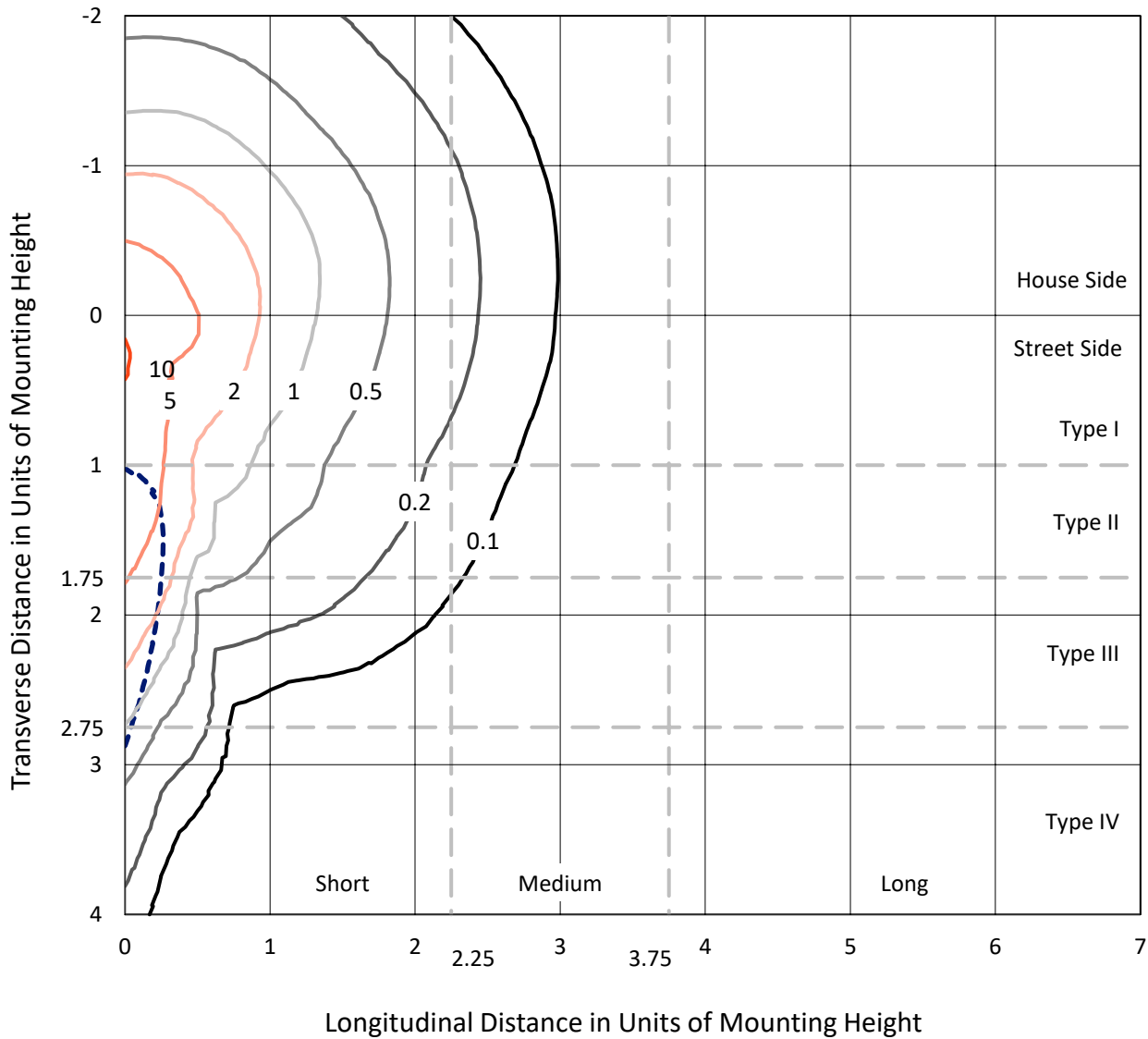
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632102
 CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

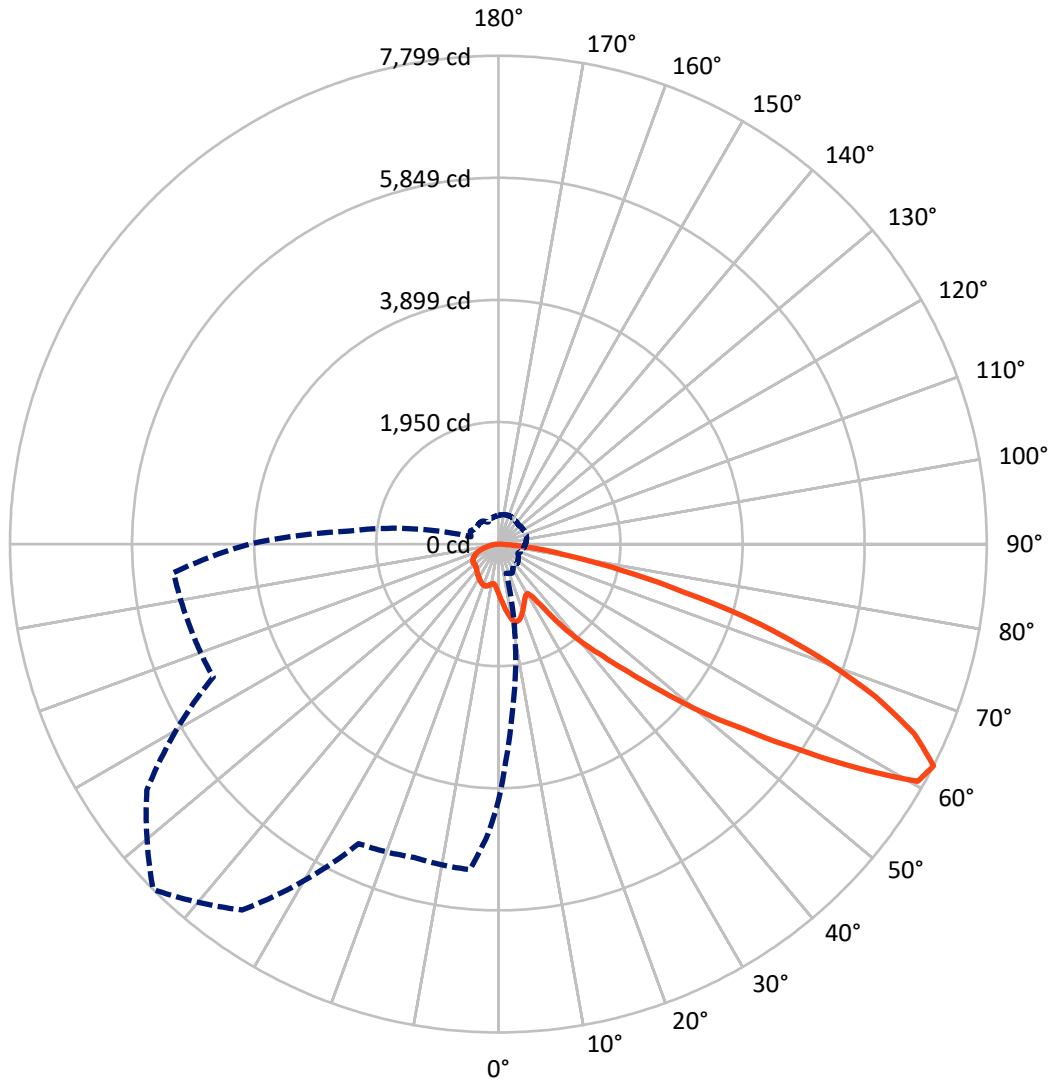
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Short - N/A

REPORT NUMBER: P632102
CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P632102

CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1527.7	0.0	1527.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4861.8	0.0	4861.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	6389.5	0.0	6389.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	1.2
10°-20°	255.1	4.0
20°-30°	401.5	6.3
30°-40°	550.4	8.6
40°-50°	858.7	13.4
50°-60°	1480.6	23.2
60°-70°	1715.9	26.9
70°-80°	905.7	14.2
80°-90°	143.1	2.2
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°	6389.5	100.0
0°-180°	6389.5	100.0

Coefficient of Utilization



REPORT NUMBER: P632102

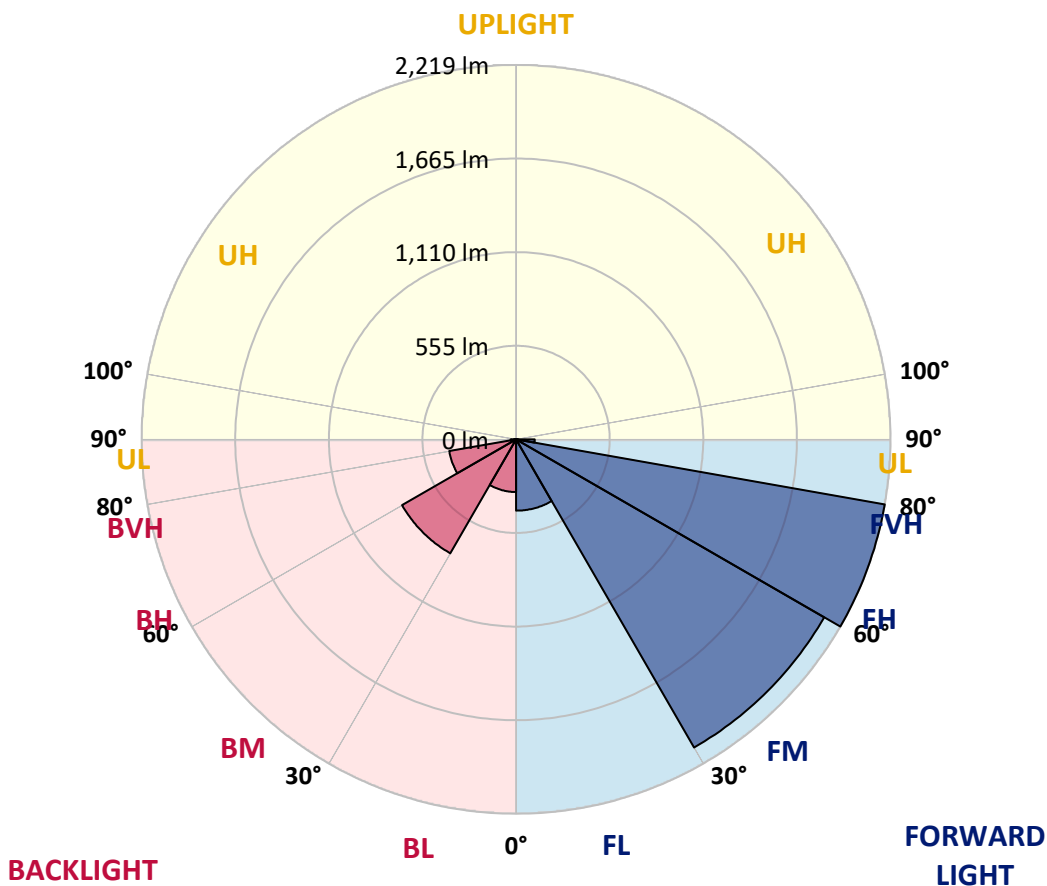
CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.6	6.6			
FM (30°-60°)	2109.4	33.0			
FH (60°-80°)	2219.3	34.7			G2/5000
FVH (80°-90°)	110.4	1.7			G2/225
BL (0°-30°)	312.5	4.9	B1/500		
BM (30°-60°)	780.4	12.2	B1/1000		
BH (60°-80°)	402.3	6.3	B1/500		G1/500
BVH (80°-90°)	32.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P632102
 CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	865.6	862.1	857.2	840.6	830.4	818.6	806.4	792.2	776.1	764.9	753.6
5°	938.9	933.5	921.8	882.2	854.8	825.0	800.1	771.7	743.9	724.8	705.7
7.5°	1009.2	1002.4	984.3	923.7	879.2	836.2	798.6	757.5	716.0	687.7	665.2
10°	1079.6	1065.4	1042.5	963.3	904.6	854.8	811.8	761.4	706.2	667.6	643.7
12.5°	1133.4	1120.2	1095.3	999.5	930.1	867.5	819.1	772.7	725.8	684.7	660.3
15°	1183.7	1166.6	1138.3	1033.2	951.1	867.0	804.5	763.9	757.1	746.8	715.0
17.5°	1219.9	1204.2	1174.9	1060.6	962.8	851.9	763.9	739.9	770.7	802.0	771.7
20°	1251.7	1233.6	1203.8	1079.6	965.3	818.1	714.5	715.0	763.4	806.4	799.1
22.5°	1278.5	1258.5	1232.1	1101.1	964.3	771.2	671.5	700.8	749.2	783.0	783.9
25°	1311.8	1295.1	1273.2	1132.9	964.3	723.3	640.2	683.7	725.3	753.6	752.7
27.5°	1352.3	1341.1	1323.0	1181.3	973.1	683.3	622.6	661.7	694.5	718.9	718.4
30°	1397.8	1387.5	1373.8	1232.6	988.2	653.4	612.9	634.4	658.3	677.9	677.9
32.5°	1444.2	1440.3	1425.6	1273.6	976.5	644.2	604.6	607.0	619.7	635.8	634.4
35°	1508.7	1504.8	1486.2	1305.4	925.7	631.0	591.4	579.2	580.6	590.9	594.3
37.5°	1603.1	1597.2	1569.8	1342.6	848.9	597.7	569.9	549.8	545.4	549.8	556.2
40°	1716.9	1708.1	1671.0	1392.9	760.5	552.8	536.1	519.5	512.2	513.7	521.0
42.5°	1859.6	1841.1	1787.8	1446.2	673.0	513.2	498.5	488.2	479.9	479.0	493.1
45°	2091.3	2040.5	1955.9	1493.6	599.2	492.2	464.8	457.5	450.6	454.5	471.1
47.5°	2496.0	2402.1	2237.4	1534.1	554.2	492.6	437.9	430.1	429.6	437.4	456.0
50°	3052.2	2916.8	2662.6	1561.5	530.8	498.5	421.8	409.1	418.4	426.2	443.8
52.5°	3584.9	3378.1	3075.6	1561.0	520.5	499.5	426.2	389.5	418.4	420.3	436.9
55°	4039.9	3665.5	3187.0	1400.7	505.8	495.6	443.3	374.4	413.0	420.3	433.5
57.5°	4401.5	3848.3	3178.7	1131.4	550.3	474.1	453.5	371.0	397.3	421.3	436.4
60°	4361.5	3764.7	2974.0	694.5	545.9	436.0	452.1	377.3	371.0	408.1	433.0
62.5°	4095.1	3465.1	2621.6	481.9	512.7	414.0	428.1	388.5	346.5	389.0	416.4
65°	3722.2	3078.5	2184.6	369.5	424.7	414.9	387.6	380.7	325.0	358.7	388.1
67.5°	3229.1	2599.1	1724.7	292.8	296.2	359.2	351.9	338.2	305.0	331.9	358.2
70°	2427.5	1896.8	1186.6	235.6	224.3	300.1	316.2	304.0	285.4	293.2	321.1
72.5°	1710.6	1238.5	650.0	186.7	173.0	230.7	274.7	272.7	252.2	258.1	285.4
75°	1271.2	876.3	406.1	147.6	140.8	165.2	230.2	236.1	219.0	225.8	246.8
77.5°	846.0	567.4	225.8	109.5	109.5	120.7	171.5	198.9	186.2	191.6	206.2
80°	466.7	288.8	112.9	71.8	73.8	83.1	125.1	143.2	143.7	156.9	160.8
82.5°	147.6	91.9	50.3	42.0	39.6	47.4	80.6	102.6	95.8	122.2	112.4
85°	33.7	21.5	9.3	9.3	10.3	15.6	30.8	54.7	69.9	84.1	61.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	21.5	31.8	28.3
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: P632102
 CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	746.8	737.0	734.1	725.8	724.8	717.0	714.0	714.0	717.5	717.5	720.9
5°	697.9	685.7	678.9	669.1	666.6	660.8	656.9	657.3	661.7	664.7	670.5
7.5°	654.9	646.6	641.7	637.3	636.3	635.4	631.0	630.5	631.9	636.3	640.7
10°	636.8	631.0	632.4	635.8	641.2	644.2	640.2	638.3	636.8	639.8	643.7
12.5°	654.4	648.6	651.5	657.3	664.7	667.6	666.1	665.7	667.1	678.4	686.7
15°	693.0	681.8	677.9	680.3	686.2	689.1	687.7	689.6	698.9	728.2	749.2
17.5°	740.9	713.6	697.9	693.5	696.0	698.4	698.4	703.3	719.4	762.4	788.8
20°	766.8	731.1	704.8	694.0	695.0	697.4	697.4	704.3	722.4	768.3	785.4
22.5°	760.0	727.2	695.0	683.3	683.7	685.7	685.7	691.6	707.7	748.3	756.1
25°	733.1	704.3	672.5	662.2	663.2	666.6	665.7	669.1	681.3	714.5	718.9
27.5°	700.8	675.4	644.2	636.3	640.7	647.6	641.7	642.2	653.4	681.3	681.8
30°	666.1	645.1	617.3	611.4	619.7	623.1	617.8	617.8	629.0	648.1	647.6
32.5°	628.5	615.3	595.3	588.9	598.2	603.6	596.7	597.7	606.5	619.2	614.3
35°	593.3	586.5	577.2	572.8	578.7	583.5	579.2	581.1	589.4	592.8	586.0
37.5°	559.6	558.6	559.6	559.6	561.1	562.5	559.6	564.5	571.8	567.4	559.6
40°	530.3	534.2	543.5	541.0	539.6	541.0	539.1	547.4	554.7	546.9	537.6
42.5°	505.8	513.2	527.3	527.3	524.4	525.4	524.4	534.7	540.1	529.3	519.0
45°	484.8	495.6	513.7	516.1	511.2	511.2	513.2	525.9	527.8	513.2	502.4
47.5°	470.2	483.4	503.9	508.3	501.0	500.5	505.8	519.5	519.5	502.4	490.2
50°	459.9	474.6	499.0	504.9	497.5	495.6	504.4	517.6	514.6	494.1	481.9
52.5°	453.1	468.2	498.5	506.8	501.9	500.0	508.8	518.1	510.7	488.7	476.0
55°	448.7	465.3	500.0	506.8	501.4	498.0	506.8	515.1	511.2	485.8	473.6
57.5°	451.1	467.7	498.0	501.4	495.1	489.2	499.5	511.2	509.8	486.8	474.6
60°	447.2	462.3	487.3	488.2	477.5	468.2	483.4	501.0	501.0	483.4	472.6
62.5°	429.1	444.3	466.3	467.2	455.0	444.7	462.3	483.4	482.9	468.7	457.5
65°	399.3	413.5	438.4	440.8	428.6	417.9	436.0	455.5	457.0	444.3	434.5
67.5°	366.6	379.3	397.8	407.6	397.3	386.1	402.7	421.3	420.8	405.7	395.4
70°	327.5	339.2	356.3	364.6	358.2	347.5	362.6	372.4	368.0	360.7	353.8
72.5°	288.8	300.1	316.2	316.2	309.4	299.1	303.5	321.1	326.5	321.1	316.7
75°	248.3	258.1	269.3	271.7	256.6	238.0	258.5	273.7	280.0	277.6	272.2
77.5°	206.7	214.1	230.7	226.3	197.9	188.2	204.8	227.3	231.7	230.2	222.9
80°	159.3	163.7	181.3	172.5	150.5	144.2	151.5	169.1	170.1	165.2	155.9
82.5°	107.0	112.9	124.6	107.5	107.0	101.2	95.3	97.3	106.1	105.1	98.7
85°	54.7	57.7	68.9	64.5	55.2	47.9	45.5	48.4	43.5	39.6	34.2
87.5°	23.0	24.9	34.2	19.1	5.9	0.0	0.0	2.9	4.4	6.4	6.8
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: P632102
 CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	728.7	734.1	747.3	763.9	780.0	796.6	814.7	826.0	839.6	857.2	857.7
5°	677.9	690.1	709.2	734.6	761.0	791.3	826.5	855.8	891.0	918.8	930.1
7.5°	646.6	664.2	688.1	720.4	755.1	792.7	838.7	888.0	945.7	982.8	1004.8
10°	649.5	676.4	700.4	727.7	759.0	799.6	858.7	924.2	995.1	1043.9	1071.3
12.5°	701.8	730.2	725.8	724.3	745.3	794.7	874.8	960.9	1047.4	1096.2	1129.0
15°	767.8	778.6	737.0	705.7	718.4	777.1	883.6	993.6	1090.9	1150.5	1182.7
17.5°	801.5	780.0	729.7	682.8	679.3	750.2	888.0	1026.8	1139.7	1199.4	1233.6
20°	785.9	754.6	712.1	667.6	643.2	713.6	885.6	1053.2	1184.2	1250.7	1278.5
22.5°	752.2	724.8	691.6	649.0	613.9	673.5	879.2	1079.6	1223.8	1290.7	1315.2
25°	715.5	695.0	667.6	630.5	597.2	638.3	874.8	1114.8	1269.2	1333.3	1348.9
27.5°	678.9	663.7	641.2	612.4	593.3	613.9	876.3	1160.7	1327.9	1388.5	1382.1
30°	642.7	629.5	613.9	601.1	592.8	608.0	872.4	1209.6	1392.4	1448.6	1411.0
32.5°	608.5	596.3	586.5	588.4	593.3	610.4	852.4	1254.1	1451.5	1499.4	1442.3
35°	579.2	566.4	566.4	573.3	591.4	602.1	800.5	1288.8	1517.0	1564.9	1486.7
37.5°	551.8	540.5	547.9	559.1	576.2	579.6	734.1	1322.5	1612.3	1657.3	1555.6
40°	527.8	516.6	529.8	544.0	552.8	551.3	666.6	1369.4	1724.7	1771.2	1647.0
42.5°	508.8	498.5	510.2	528.3	529.8	531.3	617.3	1414.4	1855.2	1914.4	1804.4
45°	493.1	485.8	491.7	509.8	509.8	532.2	586.5	1452.0	2051.7	2156.3	2093.3
47.5°	480.9	476.5	479.4	485.3	495.1	549.8	566.9	1480.9	2409.5	2614.7	2551.2
50°	474.1	469.7	473.6	461.4	490.7	558.6	560.6	1502.9	2881.1	3202.7	3124.0
52.5°	468.2	466.7	469.2	440.8	500.5	552.8	555.7	1473.5	3197.3	3781.3	3859.1
55°	466.3	467.2	455.5	425.7	512.2	533.2	541.0	1263.9	3283.3	4280.3	4762.7
57.5°	467.2	464.3	434.5	427.2	512.7	494.1	562.0	901.7	3158.2	4497.3	5646.8
60°	463.8	449.1	409.1	440.4	490.2	448.2	546.9	587.9	2828.3	4330.7	5698.2
62.5°	448.7	427.2	387.1	447.7	450.1	420.8	496.6	453.1	2388.4	3973.9	5203.6
65°	426.7	397.8	368.5	432.5	409.6	408.1	373.4	363.1	1920.7	3549.2	4734.4
67.5°	390.5	361.7	354.8	397.8	368.5	361.7	300.1	301.1	1532.7	3096.6	4262.7
70°	349.4	320.6	326.0	359.7	327.9	300.6	242.9	250.7	1162.7	2580.0	3626.9
72.5°	322.6	284.0	284.4	316.7	288.4	243.4	199.9	206.7	738.0	1944.7	2883.5
75°	272.2	250.2	239.5	256.6	244.9	189.6	168.1	166.7	437.4	1393.9	2159.2
77.5°	227.3	210.2	204.8	211.6	182.8	140.3	135.4	132.9	247.8	892.9	1414.9
80°	164.7	160.3	159.8	163.2	140.8	103.1	103.1	103.6	133.4	484.8	797.6
82.5°	104.6	114.4	101.2	112.4	95.8	73.3	68.4	77.7	76.7	206.7	336.2
85°	43.5	59.6	55.7	59.1	45.5	40.1	43.0	46.4	44.5	79.7	131.0
87.5°	8.3	9.8	10.8	10.3	10.3	12.7	14.2	17.1	17.1	23.0	39.6
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: P632102
 CATALOG NUMBER: GWS-SA2C-722-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	876.3	890.5	887.5	893.9	885.6	888.5	871.9	867.5	864.6	865.6
5°	966.2	995.1	1000.4	1011.2	1003.9	1003.9	974.5	952.5	944.7	938.9
7.5°	1057.6	1099.2	1126.5	1129.5	1125.6	1117.7	1075.2	1035.6	1021.5	1009.2
10°	1138.8	1188.6	1219.4	1234.1	1226.7	1214.5	1161.7	1107.5	1090.4	1079.6
12.5°	1200.8	1244.8	1265.3	1275.1	1274.1	1269.7	1226.7	1168.1	1150.0	1133.4
15°	1240.9	1262.9	1255.1	1254.6	1261.4	1279.0	1265.8	1219.9	1198.9	1183.7
17.5°	1266.8	1245.8	1211.1	1195.0	1209.6	1251.2	1281.5	1255.6	1236.5	1219.9
20°	1276.1	1201.3	1151.0	1121.2	1138.3	1198.4	1273.2	1281.5	1265.3	1251.7
22.5°	1265.3	1147.1	1078.6	1043.4	1060.1	1131.9	1248.7	1302.5	1291.7	1278.5
25°	1238.9	1090.4	1008.3	976.5	994.6	1067.9	1205.2	1322.0	1322.5	1311.8
27.5°	1206.2	1038.1	958.9	929.1	946.7	1015.1	1162.7	1339.1	1356.2	1352.3
30°	1173.0	1006.8	935.4	914.4	927.6	988.2	1119.2	1356.7	1390.9	1397.8
32.5°	1157.8	1021.9	990.7	1000.0	982.8	1003.9	1103.6	1381.7	1433.0	1444.2
35°	1177.9	1156.3	1235.5	1272.2	1211.6	1131.9	1123.6	1419.3	1492.1	1508.7
37.5°	1275.1	1444.2	1562.5	1691.5	1586.4	1411.0	1222.8	1483.3	1576.7	1603.1
40°	1486.7	1695.4	1909.0	2075.7	1916.8	1680.8	1411.5	1578.6	1693.0	1716.9
42.5°	1686.1	1931.0	2225.2	2440.7	2234.5	1901.2	1614.8	1738.9	1846.4	1859.6
45°	1881.6	2162.2	2607.9	2907.5	2627.4	2110.8	1822.5	2009.7	2090.8	2091.3
47.5°	2110.8	2422.7	3087.8	3514.5	3148.9	2343.0	2017.5	2438.3	2551.2	2496.0
50°	2385.0	2681.7	3581.9	4220.7	3784.8	2628.4	2265.3	2960.8	3114.7	3052.2
52.5°	2752.1	2967.1	4126.4	4909.3	4477.8	2953.4	2624.5	3650.9	3701.7	3584.9
55°	3268.7	3379.1	4825.3	5759.7	5251.5	3353.7	3149.9	4516.9	4374.7	4039.9
57.5°	4445.0	4031.1	5722.6	6729.9	6126.8	4080.9	4301.4	5471.9	4966.0	4401.5
60°	5429.4	4822.8	6553.0	7692.7	6877.0	4882.5	5382.4	5638.0	4944.0	4361.5
62.5°	5097.5	5024.7	6852.6	7798.7	7133.1	5276.9	5181.6	5219.2	4621.5	4095.1
65°	4472.4	4635.2	6585.2	7295.8	6849.1	4923.5	4687.0	4832.1	4252.5	3722.2
67.5°	4103.4	4223.2	6109.7	6490.9	6333.0	4541.3	4302.3	4197.3	3679.7	3229.1
70°	3726.1	3825.3	5442.1	5480.7	5528.1	3906.0	3517.9	3205.1	2742.8	2427.5
72.5°	3219.8	3225.2	4598.0	4374.2	4464.1	3056.5	2831.7	2396.3	1996.5	1710.6
75°	2701.2	2553.6	3639.6	3057.5	3237.9	2377.7	2351.3	1805.9	1505.8	1271.2
77.5°	2059.5	1887.0	2658.7	2010.7	2274.1	1583.5	1767.8	1224.8	1059.6	846.0
80°	1382.6	1275.1	1469.1	1134.8	1487.7	1091.3	1152.9	694.0	601.6	466.7
82.5°	729.2	622.6	908.1	673.0	897.3	599.7	432.5	214.6	182.8	147.6
85°	282.5	327.0	445.2	239.5	348.0	214.1	125.1	53.3	44.5	33.7
87.5°	54.7	84.6	46.4	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

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