

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: P632099

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3655.6 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

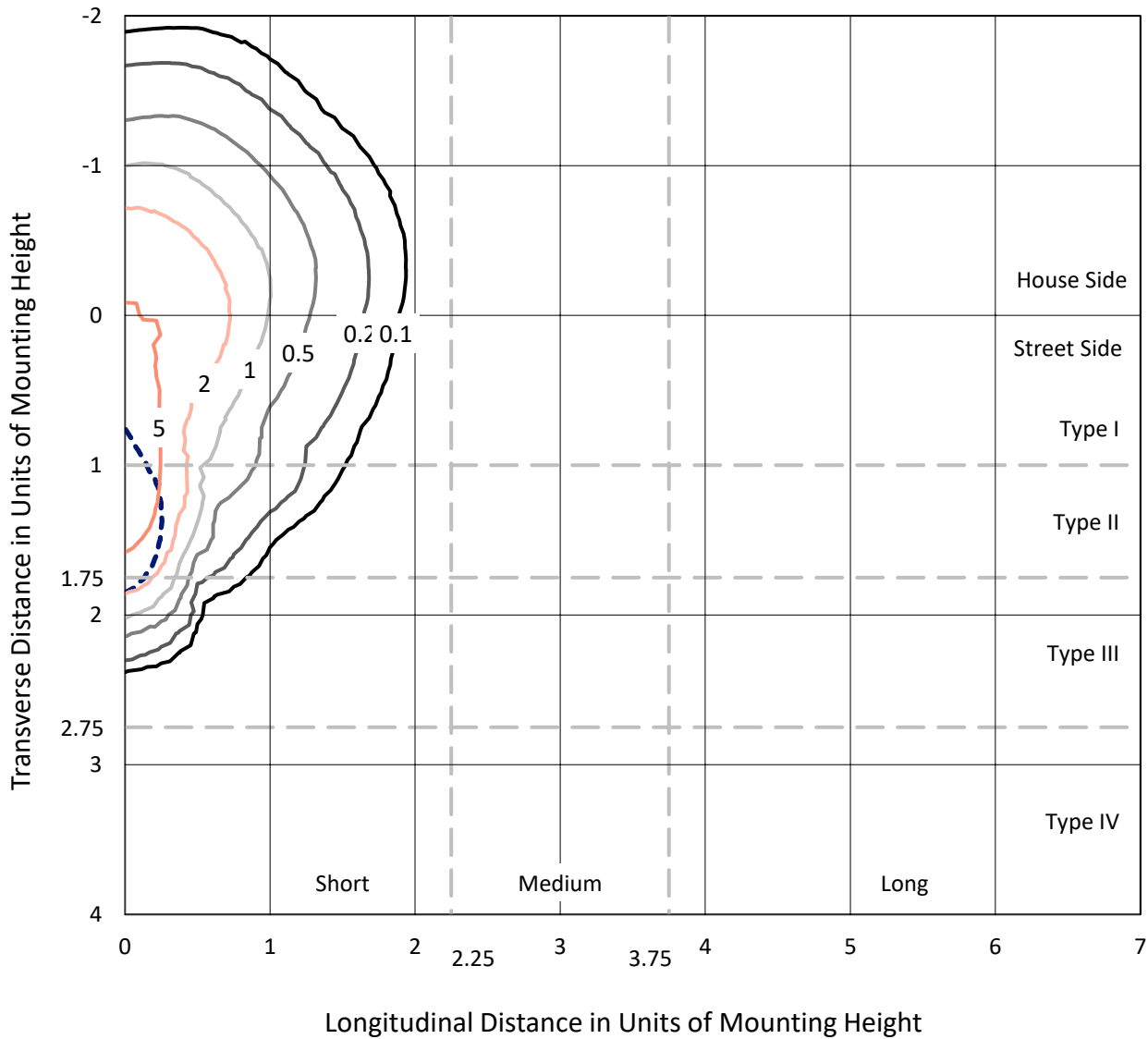
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632099
 CATALOG NUMBER: GWS-SA2C-722-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

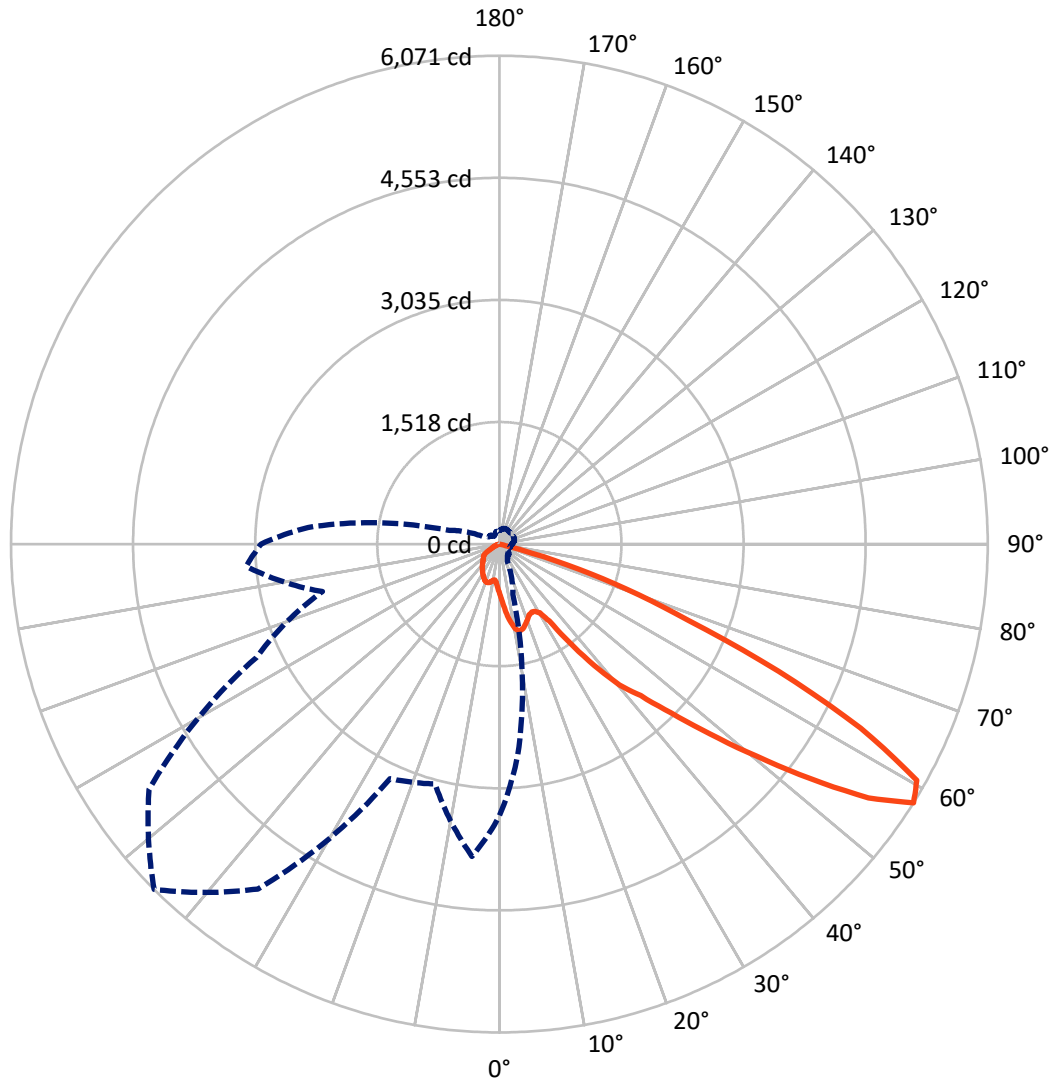
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Short - N/A

REPORT NUMBER: P632099
CATALOG NUMBER: GWS-SA2C-722-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632099
 CATALOG NUMBER: GWS-SA2C-722-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.5	0.0	787.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2868.1	0.0	2868.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	3655.6	0.0	3655.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.7
10°-20°	202.0	5.5
20°-30°	327.8	9.0
30°-40°	503.2	13.8
40°-50°	803.6	22.0
50°-60°	1125.2	30.8
60°-70°	576.9	15.8
70°-80°	55.5	1.5
80°-90°	0.0	0.0
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°	3655.6	100.0
0°-180°	3655.6	100.0

Coefficient of Utilization



REPORT NUMBER: P632099

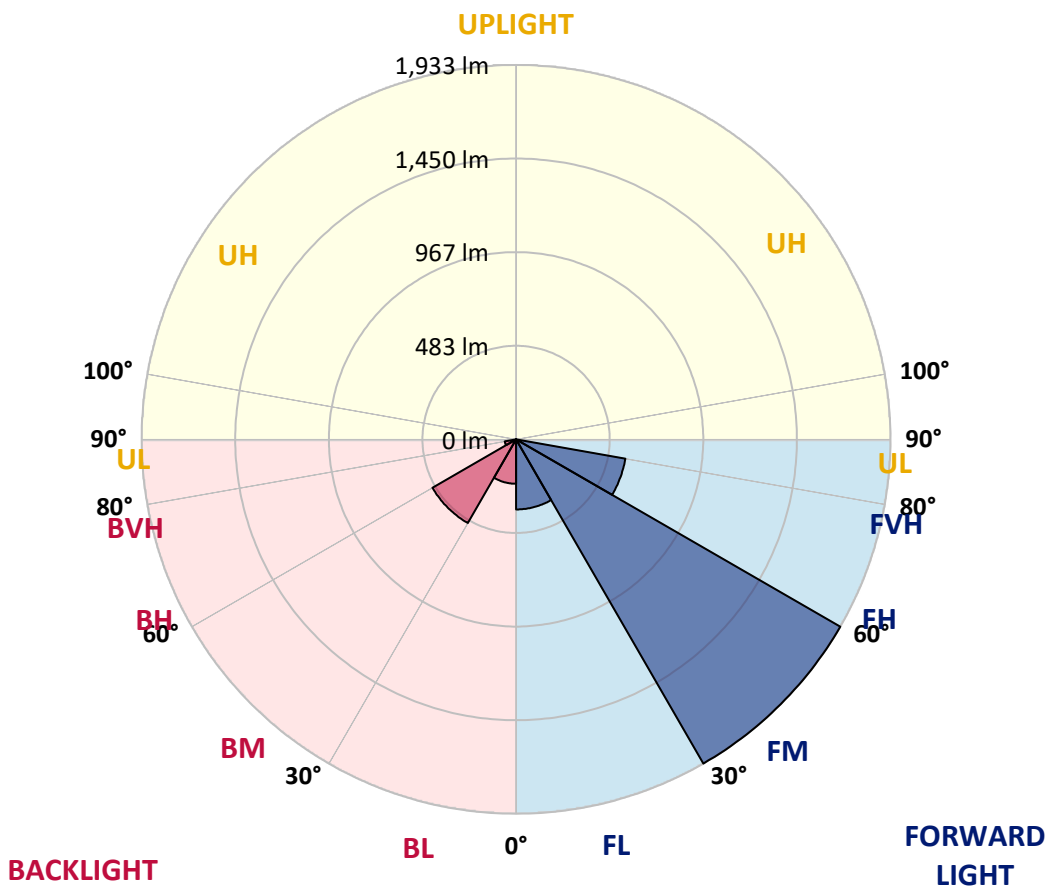
CATALOG NUMBER: GWS-SA2C-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.9	9.9			
FM (30°-60°)	1933.2	52.9			
FH (60°-80°)	573.0	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	229.3	6.3	B1/500		
BM (30°-60°)	498.7	13.6	B1/1000		
BH (60°-80°)	59.5	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





REPORT NUMBER: P632099

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	690.0	688.6	683.7	667.1	656.8	640.7	629.0	613.8	597.2	586.9	576.7
5°	763.4	759.4	746.2	708.1	678.8	647.0	621.6	593.8	564.0	544.4	526.3
7.5°	833.7	827.9	810.3	745.8	701.3	655.8	619.7	579.1	537.1	507.8	485.3
10°	902.6	889.4	861.6	782.4	722.3	667.6	625.1	578.6	529.3	492.1	467.2
12.5°	959.3	949.5	911.4	817.1	739.9	670.0	617.7	574.7	541.5	516.6	493.6
15°	1008.2	997.4	961.3	848.4	755.0	660.2	586.9	549.3	554.7	564.5	544.9
17.5°	1053.2	1041.9	1002.8	874.3	760.9	636.3	543.9	525.8	555.7	592.3	585.0
20°	1099.6	1086.9	1039.0	895.3	759.0	598.7	500.4	505.8	547.8	589.9	593.8
22.5°	1153.8	1140.6	1084.9	922.2	757.5	553.7	462.8	488.2	533.2	568.8	575.7
25°	1225.7	1210.0	1148.9	961.8	761.4	512.6	435.9	471.1	508.3	540.5	544.4
27.5°	1320.5	1300.4	1222.7	1010.6	769.7	480.4	424.2	447.7	476.5	505.3	508.7
30°	1444.1	1418.7	1307.3	1053.2	765.8	457.9	416.4	424.2	441.3	464.8	465.2
32.5°	1588.8	1554.1	1402.1	1089.8	732.1	441.3	405.6	400.2	404.2	422.2	425.7
35°	1758.8	1713.9	1506.7	1124.5	670.5	409.0	386.1	368.0	366.5	375.3	383.6
37.5°	1953.8	1900.1	1638.6	1169.0	597.7	375.3	357.2	339.2	331.3	335.7	348.4
40°	2133.7	2074.1	1776.4	1222.7	523.4	345.0	323.5	305.0	295.7	297.1	312.8
42.5°	2344.8	2283.2	1945.0	1293.1	461.8	324.5	288.3	269.3	257.1	263.9	282.0
45°	2665.4	2595.5	2190.9	1354.2	413.0	319.6	257.5	230.7	224.8	236.5	258.0
47.5°	3103.3	3017.7	2528.5	1391.3	371.4	324.0	236.0	199.4	200.9	214.1	235.6
50°	3537.7	3445.4	2919.0	1342.5	337.2	315.2	225.3	175.0	184.2	196.0	215.5
52.5°	3836.3	3716.1	3109.1	1201.2	305.9	282.0	224.3	152.0	169.6	173.5	190.1
55°	3848.0	3700.0	3011.9	947.1	263.4	238.0	214.1	132.9	153.5	154.9	169.1
57.5°	3373.0	3239.1	2632.2	650.5	234.1	174.5	170.6	116.3	126.1	138.3	147.1
60°	2566.2	2452.3	1968.5	298.1	177.9	110.9	116.8	100.2	94.3	112.4	121.2
62.5°	1571.7	1498.8	1180.7	131.9	113.4	59.1	70.9	79.7	70.9	77.7	85.0
65°	624.1	591.8	448.1	56.2	46.4	29.8	32.3	46.4	49.8	54.7	61.6
67.5°	108.5	102.6	75.3	24.9	19.1	18.1	15.6	21.5	30.3	33.7	39.1
70°	14.2	13.7	12.2	10.3	9.8	8.8	6.8	13.7	20.5	21.5	24.9
72.5°	3.4	2.9	2.9	2.4	2.9	1.0	1.0	7.3	14.7	15.1	17.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.3	10.3	12.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P632099

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	568.4	558.6	555.2	550.3	543.9	545.9	537.1	534.2	538.5	544.4	542.9
5°	516.6	505.8	498.5	487.2	485.3	480.9	478.0	474.0	478.9	485.8	487.2
7.5°	475.5	466.2	458.9	455.5	453.0	451.1	445.2	442.3	442.3	445.2	447.7
10°	457.9	451.1	449.6	450.6	454.5	454.0	448.6	444.7	439.8	437.4	440.3
12.5°	482.3	471.1	469.2	469.6	474.5	474.0	468.2	463.3	462.3	463.3	472.6
15°	523.9	506.8	494.1	491.6	494.1	493.1	488.7	485.8	487.2	501.4	517.0
17.5°	561.0	534.6	511.7	502.9	502.4	500.9	496.5	495.5	502.9	529.3	552.2
20°	571.8	545.9	513.1	501.9	499.5	498.0	493.1	494.6	503.9	535.6	555.2
22.5°	557.6	532.7	498.5	487.2	485.3	484.8	479.9	481.9	489.7	517.5	533.7
25°	530.7	509.7	474.0	464.3	464.3	463.3	458.9	459.9	464.8	489.2	504.8
27.5°	498.0	478.0	448.1	438.4	439.8	441.3	435.9	434.5	438.4	461.3	470.6
30°	460.4	446.2	422.7	413.9	413.4	419.3	412.0	410.0	415.4	433.5	435.4
32.5°	423.7	416.9	400.2	393.4	393.9	394.9	391.0	391.0	395.8	405.6	405.1
35°	388.0	383.6	380.7	375.8	375.3	373.4	373.4	374.3	379.7	383.1	376.8
37.5°	353.8	358.2	361.6	356.8	352.8	352.8	352.8	357.2	362.1	360.7	349.9
40°	323.5	332.8	343.6	338.2	328.9	328.4	330.4	337.7	345.0	336.2	326.5
42.5°	297.6	309.3	324.5	321.6	311.3	309.8	311.3	320.6	326.5	315.2	304.5
45°	272.2	286.9	305.0	305.0	293.7	292.2	292.7	305.0	308.4	295.2	281.5
47.5°	250.7	266.8	285.9	285.9	276.6	273.7	276.1	288.8	291.3	272.7	260.0
50°	230.2	247.8	268.8	267.3	261.0	258.5	262.9	276.6	273.7	253.1	240.0
52.5°	204.3	222.8	251.7	253.1	249.7	250.2	255.6	264.4	256.1	231.2	219.9
55°	180.8	199.9	228.7	236.5	236.5	236.0	238.5	245.3	238.5	208.7	195.0
57.5°	155.4	171.5	195.5	197.4	198.9	193.5	196.9	206.2	202.8	177.4	169.6
60°	127.6	141.2	154.9	156.4	150.0	138.8	145.1	155.9	158.3	139.3	130.5
62.5°	90.4	103.6	119.7	119.7	113.4	102.1	110.4	119.7	116.3	96.8	91.4
65°	67.4	79.7	91.9	97.3	91.9	84.1	90.4	97.3	91.9	75.7	67.9
67.5°	43.5	51.8	59.1	63.5	64.5	63.5	66.5	64.5	58.2	47.4	43.0
70°	26.4	30.8	34.7	38.6	41.5	43.0	44.5	40.1	33.7	27.9	26.4
72.5°	19.1	23.0	26.4	29.3	32.7	33.7	33.7	30.8	24.9	19.5	18.1
75°	13.2	16.6	19.5	21.5	24.4	25.4	25.4	23.0	18.6	14.2	12.7
77.5°	0.5	3.4	3.4	2.9	3.9	4.9	4.9	5.9	5.4	3.9	3.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P632099

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	545.9	563.5	568.4	586.4	602.6	618.7	638.2	650.0	667.6	679.8	686.6
5°	492.1	506.8	524.4	551.3	579.1	609.9	647.0	679.3	719.9	749.7	759.4
7.5°	453.0	472.1	492.6	526.3	564.5	605.5	657.8	710.6	772.6	813.2	839.1
10°	445.7	465.2	492.6	525.8	565.9	612.8	676.9	745.3	823.0	872.3	901.7
12.5°	480.9	501.9	513.6	528.8	559.1	611.4	693.5	780.5	871.8	925.6	956.9
15°	532.7	551.3	532.2	513.1	532.7	595.7	702.8	809.8	914.9	976.9	1009.2
17.5°	568.4	569.8	528.3	487.7	493.1	567.4	706.2	839.1	960.8	1025.8	1059.5
20°	564.9	553.2	511.2	466.2	449.6	530.7	702.3	865.0	1007.2	1075.1	1108.4
22.5°	538.5	524.9	489.2	445.2	413.0	487.2	695.4	888.5	1049.7	1126.9	1158.2
25°	506.8	492.1	462.8	424.2	389.5	445.2	690.0	920.7	1103.5	1194.4	1218.8
27.5°	469.6	456.9	432.0	404.2	379.7	413.4	688.6	963.2	1168.5	1276.5	1293.6
30°	433.5	421.8	402.2	386.1	375.8	394.9	683.7	1008.7	1246.2	1370.8	1389.4
32.5°	398.8	387.1	374.8	372.4	372.9	388.0	667.1	1053.6	1338.6	1507.6	1521.3
35°	369.0	355.3	350.4	356.3	367.0	376.3	620.2	1090.8	1437.8	1656.7	1667.9
37.5°	340.6	326.9	326.5	340.6	352.4	358.2	564.9	1127.4	1571.7	1808.2	1822.4
40°	314.7	301.0	305.9	323.0	332.3	335.2	498.0	1183.1	1713.4	1968.0	1960.2
42.5°	292.7	278.6	281.5	303.5	311.8	319.6	436.4	1229.6	1849.7	2119.5	2117.1
45°	271.2	260.5	258.5	282.5	289.8	321.1	391.5	1265.3	2025.2	2312.5	2316.4
47.5°	250.2	241.9	242.4	252.7	270.7	328.4	353.3	1288.7	2279.8	2618.5	2550.5
50°	231.2	224.8	230.2	218.4	258.5	319.1	320.6	1283.8	2564.2	2911.7	2775.3
52.5°	210.1	208.7	211.1	182.8	239.0	281.5	289.8	1218.8	2697.6	3112.1	3034.4
55°	188.6	188.2	168.6	146.1	199.9	224.8	248.3	1017.0	2693.2	3218.6	3312.9
57.5°	163.2	159.3	128.0	119.2	155.4	156.4	226.3	666.1	2386.8	2963.5	3159.0
60°	123.6	120.7	93.8	96.8	108.5	100.2	180.3	331.8	1783.8	2308.6	2529.0
62.5°	85.5	81.6	69.9	74.8	69.9	57.2	110.4	164.2	1080.5	1457.8	1657.7
65°	62.6	58.2	47.9	41.1	32.7	32.7	42.0	63.0	418.3	619.7	747.2
67.5°	38.6	36.7	28.3	20.5	20.0	21.5	22.0	31.3	67.4	107.5	131.5
70°	24.9	23.0	19.1	13.2	12.2	12.7	13.2	14.7	17.1	18.6	22.5
72.5°	17.1	16.1	13.7	7.3	5.9	6.4	6.8	6.8	8.3	7.8	9.3
75°	12.2	11.2	9.8	3.4	2.0	2.4	2.9	2.4	2.9	2.0	2.4
77.5°	3.4	3.4	2.4	0.5	0.0	0.5	1.0	1.0	0.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P632099

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	704.2	715.5	719.9	713.5	718.9	710.1	706.7	693.5	692.5	690.0
5°	799.0	824.4	839.6	848.9	838.1	826.4	808.8	778.5	769.2	763.4
7.5°	892.4	932.0	957.9	970.1	967.1	943.2	911.4	860.6	842.5	833.7
10°	973.5	1021.9	1053.2	1068.3	1062.0	1040.9	995.5	932.0	908.0	902.6
12.5°	1030.2	1074.7	1096.2	1109.4	1109.8	1101.5	1058.5	994.5	966.2	959.3
15°	1065.9	1084.9	1085.4	1093.2	1106.9	1125.5	1105.4	1048.8	1018.5	1008.2
17.5°	1088.3	1067.3	1045.8	1047.8	1070.3	1119.6	1140.1	1096.6	1064.4	1053.2
20°	1104.5	1038.0	997.9	998.4	1021.4	1096.2	1164.1	1143.1	1109.8	1099.6
22.5°	1114.7	1012.1	954.9	953.5	977.9	1068.3	1186.1	1198.3	1165.6	1153.8
25°	1135.7	999.9	929.0	937.3	958.8	1059.5	1215.9	1271.6	1241.3	1225.7
27.5°	1173.4	1012.1	926.6	945.6	970.1	1085.4	1267.7	1369.3	1338.1	1320.5
30°	1238.4	1058.0	964.2	990.6	1019.9	1153.3	1354.7	1505.7	1460.7	1444.1
32.5°	1343.0	1153.3	1080.5	1137.2	1165.6	1264.8	1485.2	1658.7	1622.0	1588.8
35°	1487.1	1370.8	1362.5	1494.5	1487.6	1475.9	1645.5	1846.3	1791.1	1758.8
37.5°	1685.5	1720.7	1782.3	1913.3	1908.9	1819.4	1856.1	2023.7	1995.4	1953.8
40°	1933.3	2008.1	2112.7	2300.3	2241.7	2129.3	2114.6	2205.5	2182.5	2133.7
42.5°	2079.4	2208.4	2407.8	2576.4	2529.5	2333.1	2316.4	2448.4	2398.1	2344.8
45°	2147.4	2371.7	2762.6	2990.9	2848.6	2468.4	2462.1	2765.1	2736.7	2665.4
47.5°	2178.6	2536.4	3178.0	3523.5	3257.7	2587.2	2564.2	3224.5	3187.3	3103.3
50°	2213.3	2763.6	3678.5	4140.8	3751.8	2721.6	2738.2	3652.6	3636.9	3537.7
52.5°	2289.6	3004.1	4294.7	4846.5	4350.9	2932.2	3036.8	4056.2	3950.7	3836.3
55°	2403.9	3266.0	4935.9	5567.3	4962.3	3215.2	3359.8	4270.8	3974.6	3848.0
57.5°	2277.4	3331.5	5315.6	6070.7	5233.5	3216.1	3086.6	3898.9	3495.7	3373.0
60°	1807.2	3099.3	5169.5	5961.7	5002.4	2856.0	2363.4	3044.1	2648.3	2566.2
62.5°	1221.8	2599.4	4550.8	5041.9	4281.5	2246.6	1536.0	1979.7	1639.6	1571.7
65°	669.5	1939.2	3677.0	3814.3	3351.0	1569.2	790.2	859.1	654.4	624.1
67.5°	184.7	1349.8	2705.5	2530.5	2351.1	1021.9	204.3	153.5	109.5	108.5
70°	46.4	892.9	1621.0	1670.9	1441.7	654.4	39.1	18.6	14.7	14.2
72.5°	19.5	384.1	769.2	884.1	737.9	303.0	14.2	5.4	4.4	3.4
75°	2.4	30.8	65.5	99.2	67.9	32.7	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)