

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: P634577

Luminaire Tested: GWS-SA3C-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634577
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-SA3C-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9630.3 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

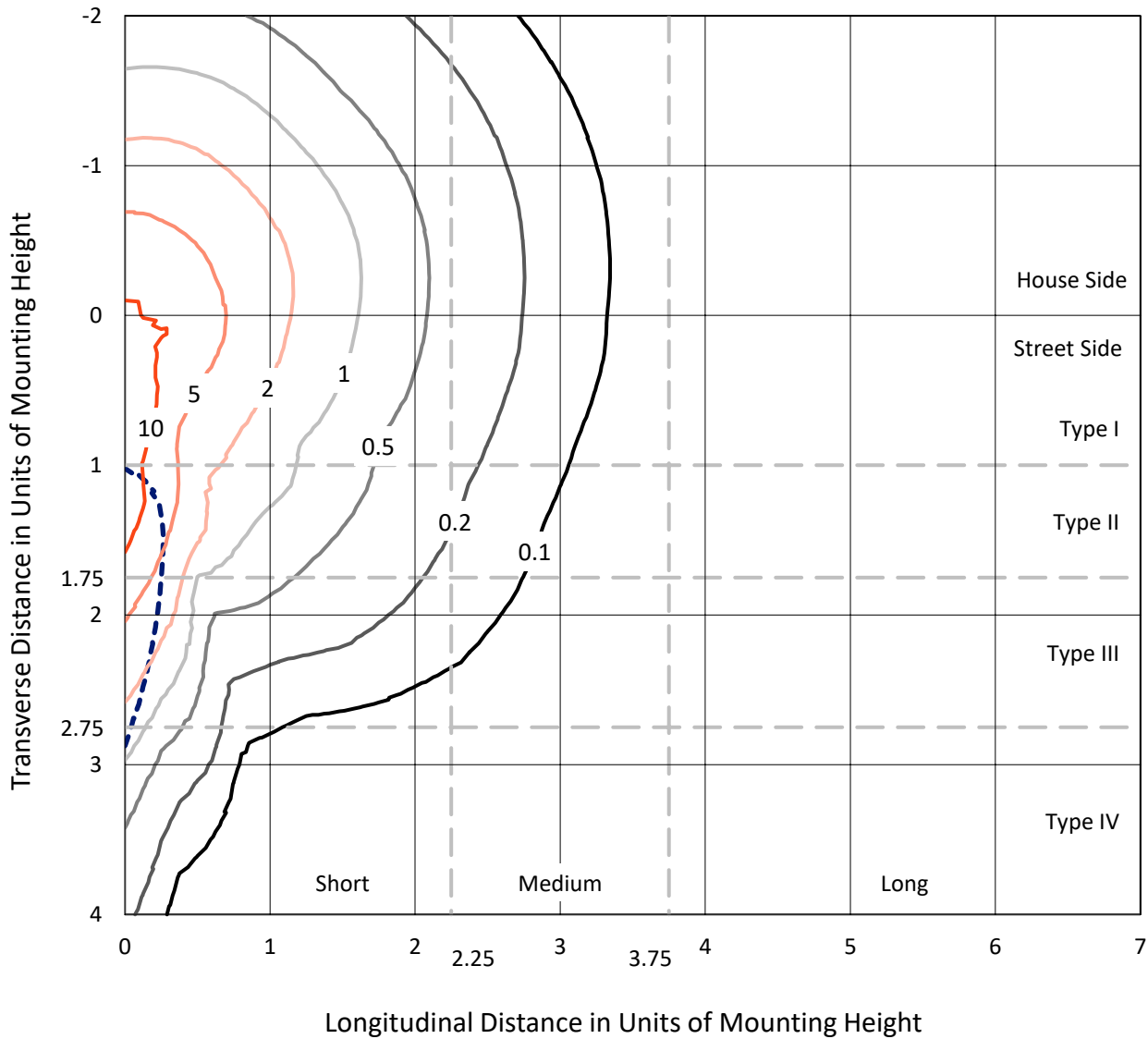
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634577
 CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

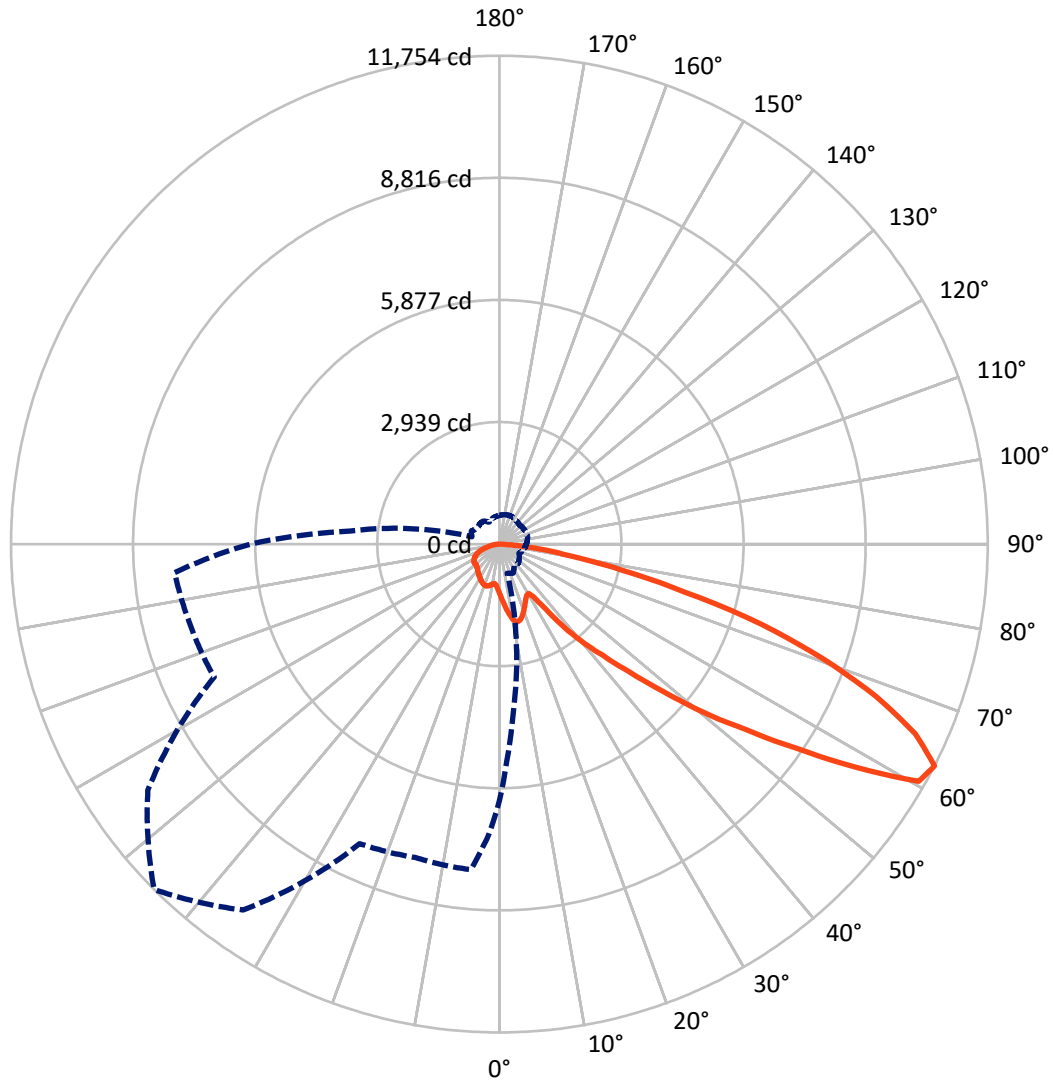
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type III - Short - N/A

REPORT NUMBER: P634577
CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634577

CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

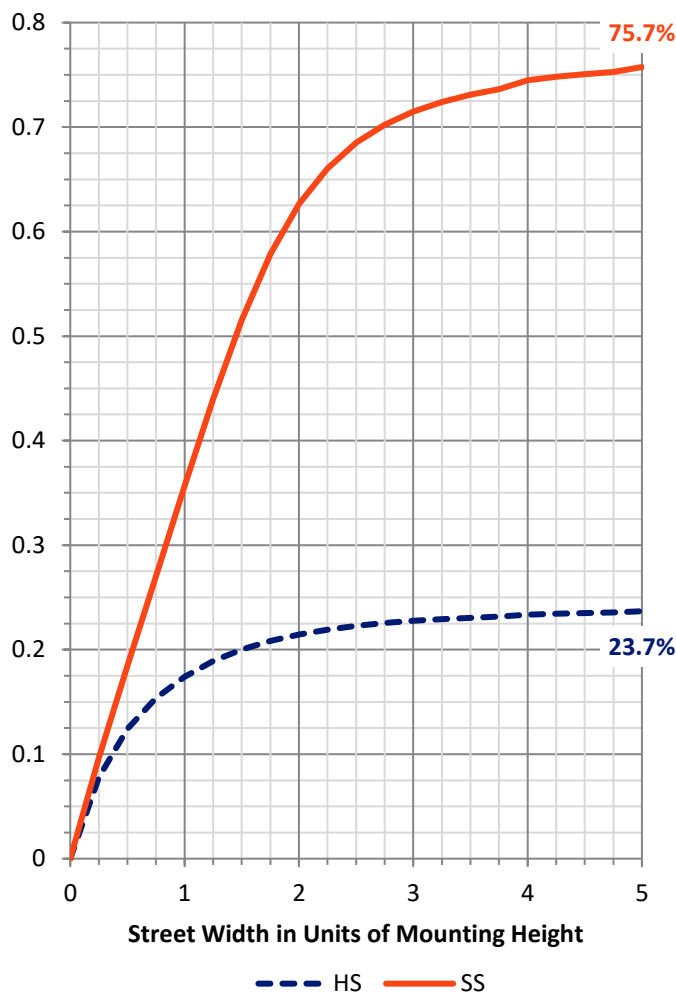
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2302.6	0.0	2302.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7327.7	0.0	7327.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	9630.3	0.0	9630.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	1.2
10°-20°	384.4	4.0
20°-30°	605.2	6.3
30°-40°	829.5	8.6
40°-50°	1294.3	13.4
50°-60°	2231.6	23.2
60°-70°	2586.2	26.9
70°-80°	1365.1	14.2
80°-90°	215.6	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°	9630.3	100.0
0°-180°	9630.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634577

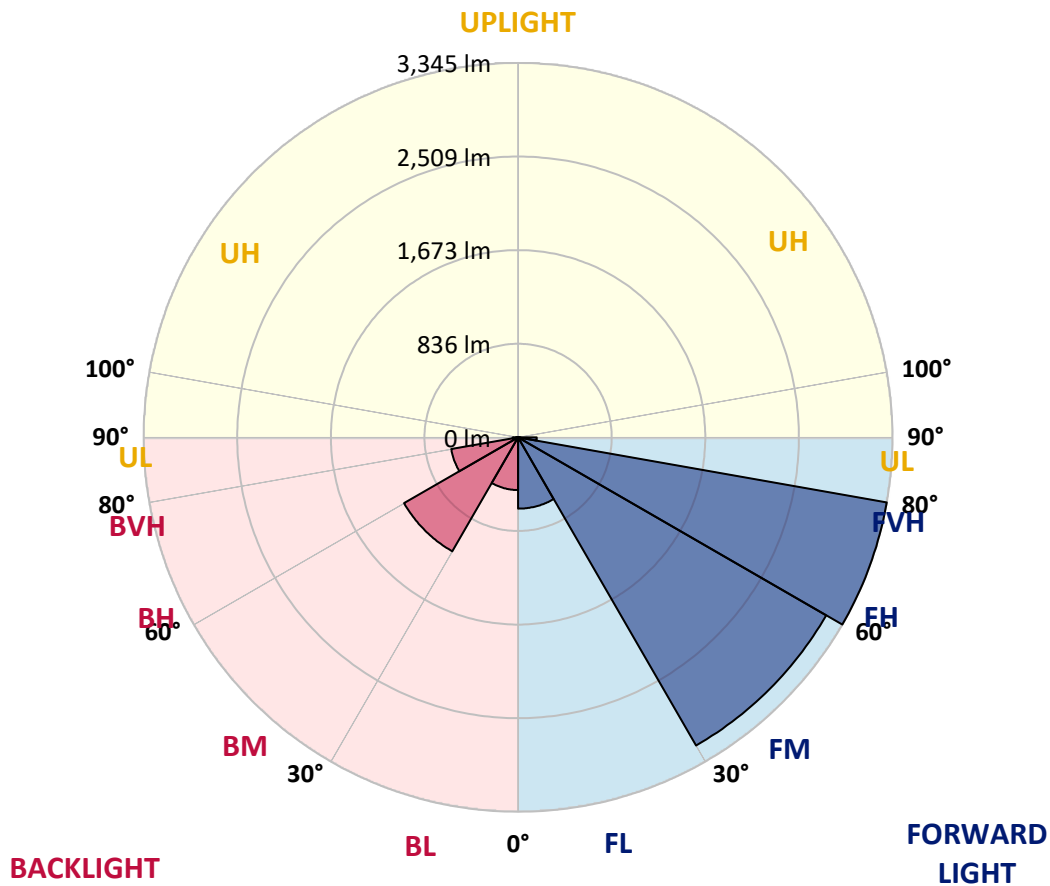
CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.9	6.6			
FM (30°-60°)	3179.3	33.0			
FH (60°-80°)	3345.0	34.7			G2/5000
FVH (80°-90°)	166.4	1.7			G2/225
BL (0°-30°)	471.0	4.9	B1/500		
BM (30°-60°)	1176.2	12.2	B2/2500		
BH (60°-80°)	606.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	49.2	0.5			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





REPORT NUMBER: P634577
 CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7
2.5°	1304.6	1299.4	1292.0	1267.0	1251.5	1233.8	1215.4	1194.1	1169.8	1152.8	1135.9
5°	1415.1	1407.0	1389.3	1329.6	1288.4	1243.4	1205.9	1163.1	1121.1	1092.4	1063.7
7.5°	1521.1	1510.8	1483.6	1392.2	1325.2	1260.4	1203.6	1141.8	1079.2	1036.4	1002.5
10°	1627.2	1605.8	1571.2	1451.9	1363.5	1288.4	1223.5	1147.7	1064.4	1006.2	970.1
12.5°	1708.2	1688.3	1650.8	1506.4	1401.8	1307.5	1234.6	1164.6	1093.9	1032.0	995.2
15°	1784.1	1758.3	1715.6	1557.2	1433.5	1306.8	1212.5	1151.3	1141.0	1125.6	1077.7
17.5°	1838.6	1815.0	1770.8	1598.5	1451.2	1283.9	1151.3	1115.3	1161.7	1208.8	1163.1
20°	1886.5	1859.2	1814.3	1627.2	1454.8	1233.1	1076.9	1077.7	1150.6	1215.4	1204.4
22.5°	1927.0	1896.8	1857.0	1659.6	1453.4	1162.4	1012.1	1056.3	1129.2	1180.1	1181.5
25°	1977.1	1952.1	1918.9	1707.5	1453.4	1090.2	965.0	1030.5	1093.2	1135.9	1134.4
27.5°	2038.2	2021.3	1994.0	1780.4	1466.6	1029.8	938.5	997.4	1046.7	1083.6	1082.8
30°	2106.7	2091.3	2070.7	1857.8	1489.5	984.9	923.7	956.1	992.2	1021.7	1021.7
32.5°	2176.7	2170.8	2148.7	1919.6	1471.8	970.9	911.2	914.9	934.0	958.3	956.1
35°	2274.0	2268.1	2240.1	1967.5	1395.2	951.0	891.3	872.9	875.1	890.6	895.7
37.5°	2416.1	2407.3	2366.0	2023.5	1279.5	900.9	858.9	828.7	822.1	828.7	838.3
40°	2587.8	2574.5	2518.5	2099.4	1146.2	833.1	808.1	783.0	772.0	774.2	785.2
42.5°	2802.9	2774.9	2694.6	2179.7	1014.3	773.5	751.4	735.9	723.4	721.9	743.3
45°	3152.0	3075.4	2948.0	2251.1	903.1	741.8	700.5	689.5	679.2	685.1	710.1
47.5°	3761.9	3620.5	3372.3	2312.3	835.3	742.5	660.0	648.2	647.5	659.3	687.3
50°	4600.2	4396.2	4013.1	2353.5	800.0	751.4	635.7	616.6	630.6	642.3	668.9
52.5°	5403.1	5091.6	4635.6	2352.8	784.5	752.8	642.3	587.1	630.6	633.5	658.5
55°	6088.9	5524.7	4803.5	2111.2	762.4	746.9	668.1	564.3	622.4	633.5	653.4
57.5°	6634.0	5800.2	4791.0	1705.3	829.4	714.5	683.6	559.1	598.9	635.0	657.8
60°	6573.6	5674.2	4482.4	1046.7	822.8	657.1	681.4	568.7	559.1	615.1	652.6
62.5°	6172.2	5222.7	3951.3	726.3	772.7	623.9	645.3	585.6	522.3	586.4	627.6
65°	5610.1	4640.0	3292.7	556.9	640.1	625.4	584.1	573.8	489.9	540.7	584.9
67.5°	4866.9	3917.4	2599.6	441.2	446.4	541.4	530.4	509.7	459.7	500.2	539.9
70°	3658.8	2858.8	1788.5	355.1	338.1	452.3	476.6	458.2	430.2	442.0	484.0
72.5°	2578.2	1866.6	979.7	281.4	260.8	347.7	414.0	411.0	380.1	388.9	430.2
75°	1916.0	1320.8	612.1	222.5	212.1	249.0	347.0	355.8	330.0	340.3	372.0
77.5°	1275.1	855.2	340.3	165.0	165.0	181.9	258.6	299.8	280.7	288.8	310.9
80°	703.5	435.3	170.2	108.3	111.2	125.2	188.6	215.8	216.6	236.5	242.3
82.5°	222.5	138.5	75.9	63.3	59.7	71.5	121.5	154.7	144.4	184.2	169.4
85°	50.8	32.4	14.0	14.0	15.5	23.6	46.4	82.5	105.3	126.7	92.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	32.4	47.9	42.7
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: P634577

CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7
2.5°	1125.6	1110.8	1106.4	1093.9	1092.4	1080.6	1076.2	1076.2	1081.4	1081.4	1086.5
5°	1051.9	1033.5	1023.2	1008.4	1004.8	995.9	990.0	990.8	997.4	1001.8	1010.6
7.5°	987.1	974.6	967.2	960.6	959.1	957.6	951.0	950.2	952.5	959.1	965.7
10°	959.8	951.0	953.2	958.3	966.5	970.9	965.0	962.0	959.8	964.2	970.1
12.5°	986.3	977.5	981.9	990.8	1001.8	1006.2	1004.0	1003.3	1005.5	1022.4	1035.0
15°	1044.5	1027.6	1021.7	1025.4	1034.2	1038.6	1036.4	1039.4	1053.4	1097.6	1129.2
17.5°	1116.7	1075.5	1051.9	1045.3	1049.0	1052.6	1052.6	1060.0	1084.3	1149.1	1188.9
20°	1155.8	1102.0	1062.2	1046.0	1047.5	1051.2	1051.2	1061.5	1088.7	1158.0	1183.8
22.5°	1145.5	1096.1	1047.5	1029.8	1030.5	1033.5	1033.5	1042.3	1066.6	1127.8	1139.6
25°	1104.9	1061.5	1013.6	998.1	999.6	1004.8	1003.3	1008.4	1026.9	1076.9	1083.6
27.5°	1056.3	1018.0	970.9	959.1	965.7	976.0	967.2	967.9	984.9	1026.9	1027.6
30°	1004.0	972.3	930.4	921.5	934.0	939.2	931.1	931.1	948.0	976.8	976.0
32.5°	947.3	927.4	897.2	887.6	901.6	909.7	899.4	900.9	914.2	933.3	925.9
35°	894.3	884.0	870.0	863.3	872.2	879.5	872.9	875.8	888.4	893.5	883.2
37.5°	843.4	842.0	843.4	843.4	845.6	847.9	843.4	850.8	861.9	855.2	843.4
40°	799.2	805.1	819.1	815.4	813.2	815.4	812.5	825.0	836.1	824.3	810.3
42.5°	762.4	773.5	794.8	794.8	790.4	791.9	790.4	805.9	814.0	797.8	782.3
45°	730.7	746.9	774.2	777.9	770.5	770.5	773.5	792.6	795.6	773.5	757.3
47.5°	708.6	728.5	759.5	766.1	755.0	754.3	762.4	783.0	783.0	757.3	738.8
50°	693.2	715.3	752.1	760.9	749.9	746.9	760.2	780.1	775.7	744.7	726.3
52.5°	682.9	705.7	751.4	763.9	756.5	753.6	766.8	780.8	769.8	736.6	717.5
55°	676.2	701.3	753.6	763.9	755.8	750.6	763.9	776.4	770.5	732.2	713.8
57.5°	679.9	705.0	750.6	755.8	746.2	737.4	752.8	770.5	768.3	733.7	715.3
60°	674.0	696.8	734.4	735.9	719.7	705.7	728.5	755.0	755.0	728.5	712.3
62.5°	646.8	669.6	702.7	704.2	685.8	670.3	696.8	728.5	727.8	706.4	689.5
65°	601.8	623.2	660.8	664.4	646.0	629.8	657.1	686.5	688.7	669.6	654.9
67.5°	552.5	571.6	599.6	614.3	598.9	581.9	607.0	635.0	634.2	611.4	595.9
70°	493.5	511.2	537.0	549.5	539.9	523.7	546.6	561.3	554.7	543.6	533.3
72.5°	435.3	452.3	476.6	476.6	466.3	450.8	457.4	484.0	492.1	484.0	477.3
75°	374.2	388.9	405.9	409.6	386.7	358.7	389.7	412.5	422.1	418.4	410.3
77.5°	311.6	322.6	347.7	341.1	298.3	283.6	308.6	342.5	349.2	347.0	335.9
80°	240.1	246.8	273.3	260.0	226.9	217.3	228.4	254.9	256.3	249.0	235.0
82.5°	161.3	170.2	187.8	162.1	161.3	152.5	143.6	146.6	159.8	158.4	148.8
85°	82.5	86.9	103.9	97.2	83.2	72.2	68.5	72.9	65.6	59.7	51.6
87.5°	34.6	37.6	51.6	28.7	8.8	0.0	0.0	4.4	6.6	9.6	10.3
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: P634577
 CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7
2.5°	1098.3	1106.4	1126.3	1151.3	1175.7	1200.7	1228.0	1244.9	1265.5	1292.0	1292.8
5°	1021.7	1040.1	1068.8	1107.1	1146.9	1192.6	1245.6	1289.8	1342.9	1384.9	1401.8
7.5°	974.6	1001.1	1037.2	1085.8	1138.1	1194.8	1264.0	1338.4	1425.4	1481.4	1514.5
10°	979.0	1019.5	1055.6	1096.8	1144.0	1205.1	1294.3	1393.0	1499.8	1573.4	1614.7
12.5°	1057.8	1100.5	1093.9	1091.7	1123.4	1197.8	1318.6	1448.2	1578.6	1652.3	1701.6
15°	1157.2	1173.4	1110.8	1063.7	1082.8	1171.2	1331.8	1497.6	1644.1	1734.0	1782.6
17.5°	1208.1	1175.7	1099.8	1029.1	1023.9	1130.7	1338.4	1547.6	1717.8	1807.7	1859.2
20°	1184.5	1137.3	1073.3	1006.2	969.4	1075.5	1334.8	1587.4	1784.8	1885.0	1927.0
22.5°	1133.7	1092.4	1042.3	978.2	925.2	1015.1	1325.2	1627.2	1844.5	1945.4	1982.3
25°	1078.4	1047.5	1006.2	950.2	900.2	962.0	1318.6	1680.2	1913.0	2009.5	2033.1
27.5°	1023.2	1000.3	966.5	923.0	894.3	925.2	1320.8	1749.5	2001.4	2092.8	2083.2
30°	968.7	948.8	925.2	906.0	893.5	916.4	1314.9	1823.1	2098.6	2183.4	2126.6
32.5°	917.1	898.7	884.0	886.9	894.3	920.0	1284.7	1890.2	2187.8	2260.0	2173.8
35°	872.9	853.7	853.7	864.1	891.3	907.5	1206.6	1942.5	2286.5	2358.7	2240.8
37.5°	831.6	814.7	825.8	842.7	868.5	873.6	1106.4	1993.3	2430.1	2497.9	2344.7
40°	795.6	778.6	798.5	819.9	833.1	830.9	1004.8	2064.0	2599.6	2669.5	2482.4
42.5°	766.8	751.4	769.0	796.3	798.5	800.7	930.4	2131.8	2796.2	2885.4	2719.6
45°	743.3	732.2	741.0	768.3	768.3	802.2	884.0	2188.5	3092.4	3250.0	3155.0
47.5°	724.8	718.2	722.6	731.5	746.2	828.7	854.5	2232.0	3631.6	3940.9	3845.2
50°	714.5	707.9	713.8	695.4	739.6	842.0	844.9	2265.1	4342.4	4827.1	4708.5
52.5°	705.7	703.5	707.2	664.4	754.3	833.1	837.5	2220.9	4819.0	5699.3	5816.4
55°	702.7	704.2	686.5	641.6	772.0	803.7	815.4	1904.9	4948.6	6451.4	7178.4
57.5°	704.2	699.8	654.9	643.8	772.7	744.7	847.1	1359.1	4760.1	6778.4	8511.0
60°	699.1	677.0	616.6	663.7	738.8	675.5	824.3	886.2	4262.8	6527.2	8588.3
62.5°	676.2	643.8	583.4	674.7	678.4	634.2	748.4	682.9	3599.9	5989.5	7842.8
65°	643.1	599.6	555.4	651.9	617.3	615.1	562.8	547.3	2894.9	5349.4	7135.7
67.5°	588.6	545.1	534.8	599.6	555.4	545.1	452.3	453.8	2310.1	4667.3	6424.8
70°	526.7	483.2	491.3	542.2	494.3	453.0	366.1	377.9	1752.4	3888.6	5466.5
72.5°	486.2	428.0	428.7	477.3	434.6	366.8	301.3	311.6	1112.3	2931.0	4346.1
75°	410.3	377.2	360.9	386.7	369.0	285.8	253.4	251.2	659.3	2100.9	3254.4
77.5°	342.5	316.7	308.6	319.0	275.5	211.4	204.0	200.4	373.5	1345.8	2132.5
80°	248.2	241.6	240.9	246.0	212.1	155.4	155.4	156.2	201.1	730.7	1202.2
82.5°	157.6	172.4	152.5	169.4	144.4	110.5	103.1	117.1	115.7	311.6	506.8
85°	65.6	89.9	84.0	89.1	68.5	60.4	64.8	70.0	67.0	120.1	197.4
87.5°	12.5	14.7	16.2	15.5	15.5	19.2	21.4	25.8	25.8	34.6	59.7
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: P634577
 CATALOG NUMBER: GWS-SA3C-722-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7	1200.7
2.5°	1320.8	1342.1	1337.7	1347.3	1334.8	1339.2	1314.1	1307.5	1303.1	1304.6
5°	1456.3	1499.8	1507.9	1524.1	1513.0	1513.0	1468.8	1435.7	1423.9	1415.1
7.5°	1594.1	1656.7	1697.9	1702.3	1696.4	1684.7	1620.6	1560.9	1539.5	1521.1
10°	1716.3	1791.5	1837.9	1860.0	1848.9	1830.5	1751.0	1669.2	1643.4	1627.2
12.5°	1809.9	1876.2	1907.1	1921.9	1920.4	1913.8	1848.9	1760.5	1733.3	1708.2
15°	1870.3	1903.4	1891.7	1890.9	1901.2	1927.7	1907.9	1838.6	1806.9	1784.1
17.5°	1909.3	1877.7	1825.4	1801.0	1823.1	1885.8	1931.4	1892.4	1863.7	1838.6
20°	1923.3	1810.6	1734.8	1689.8	1715.6	1806.2	1918.9	1931.4	1907.1	1886.5
22.5°	1907.1	1728.9	1625.7	1572.7	1597.7	1706.0	1882.1	1963.1	1946.9	1927.0
25°	1867.3	1643.4	1519.7	1471.8	1499.0	1609.5	1816.5	1992.6	1993.3	1977.1
27.5°	1818.0	1564.6	1445.3	1400.3	1426.8	1530.0	1752.4	2018.4	2044.1	2038.2
30°	1767.9	1517.4	1409.9	1378.2	1398.1	1489.5	1686.9	2044.9	2096.4	2106.7
32.5°	1745.1	1540.3	1493.1	1507.1	1481.4	1513.0	1663.3	2082.4	2159.8	2176.7
35°	1775.3	1742.9	1862.2	1917.4	1826.1	1706.0	1693.5	2139.2	2248.9	2274.0
37.5°	1921.9	2176.7	2355.0	2549.5	2391.1	2126.6	1843.0	2235.7	2376.4	2416.1
40°	2240.8	2555.4	2877.3	3128.4	2889.0	2533.3	2127.4	2379.3	2551.7	2587.8
42.5°	2541.4	2910.4	3353.9	3678.7	3367.9	2865.5	2433.8	2620.9	2783.0	2802.9
45°	2836.0	3258.8	3930.6	4382.2	3960.1	3181.5	2746.9	3029.0	3151.3	3152.0
47.5°	3181.5	3651.5	4654.0	5297.1	4746.1	3531.4	3040.8	3675.0	3845.2	3761.9
50°	3594.7	4041.9	5398.7	6361.5	5704.4	3961.6	3414.3	4462.5	4694.5	4600.2
52.5°	4147.9	4472.1	6219.3	7399.4	6749.0	4451.4	3955.7	5502.6	5579.2	5403.1
55°	4926.5	5093.0	7272.7	8681.1	7915.0	5054.7	4747.5	6807.9	6593.5	6088.9
57.5°	6699.6	6075.7	8625.1	10143.3	9234.3	6150.8	6483.0	8247.3	7484.8	6634.0
60°	8183.2	7269.0	9876.7	11594.5	10365.1	7358.9	8112.5	8497.7	7451.7	6573.6
62.5°	7683.0	7573.2	10328.2	11754.3	10751.0	7953.3	7809.7	7866.4	6965.5	6172.2
65°	6740.9	6986.2	9925.3	10996.3	10323.1	7420.8	7064.2	7283.0	6409.4	5610.1
67.5°	6184.7	6365.2	9208.6	9783.1	9545.2	6844.7	6484.5	6326.1	5546.1	4866.9
70°	5616.0	5765.6	8202.3	8260.5	8332.0	5887.1	5302.2	4830.8	4133.9	3658.8
72.5°	4852.9	4861.0	6930.2	6592.8	6728.3	4606.9	4268.0	3611.7	3009.1	2578.2
75°	4071.3	3848.9	5485.6	4608.3	4880.1	3583.7	3543.9	2721.8	2269.5	1916.0
77.5°	3104.1	2844.1	4007.2	3030.5	3427.5	2386.7	2664.4	1846.0	1597.0	1275.1
80°	2083.9	1921.9	2214.3	1710.4	2242.3	1644.9	1737.7	1046.0	906.8	703.5
82.5°	1099.0	938.5	1368.6	1014.3	1352.4	903.8	651.9	323.4	275.5	222.5
85°	425.8	492.8	671.1	360.9	524.5	322.6	188.6	80.3	67.0	50.8
87.5°	82.5	127.4	70.0	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

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