

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: P634302

Luminaire Tested: GWS-SA3B-740-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634302
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-SA3B-740-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9748.6 lumens
Efficiency: N/A
Efficacy: 142.7 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

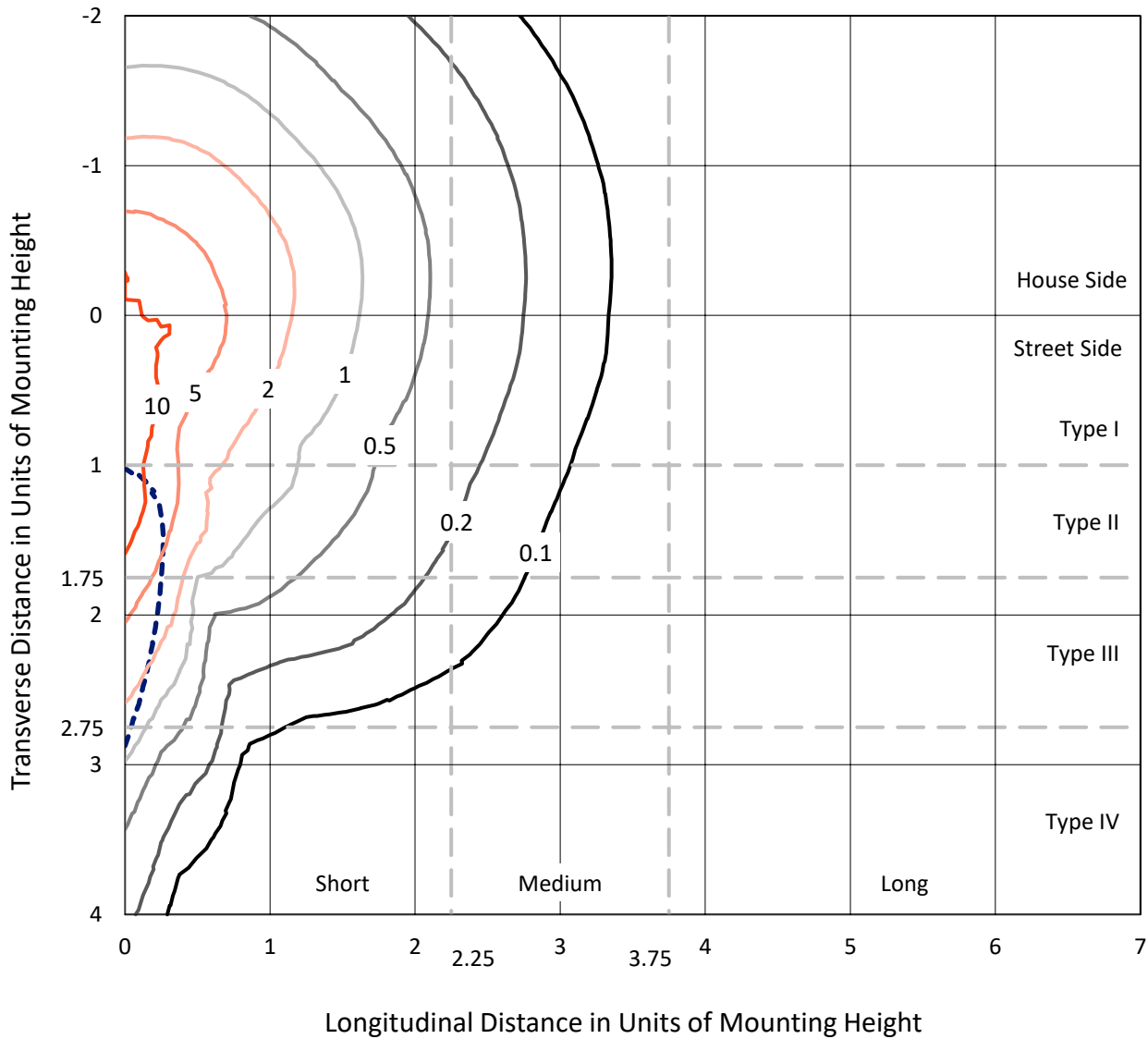
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634302
 CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

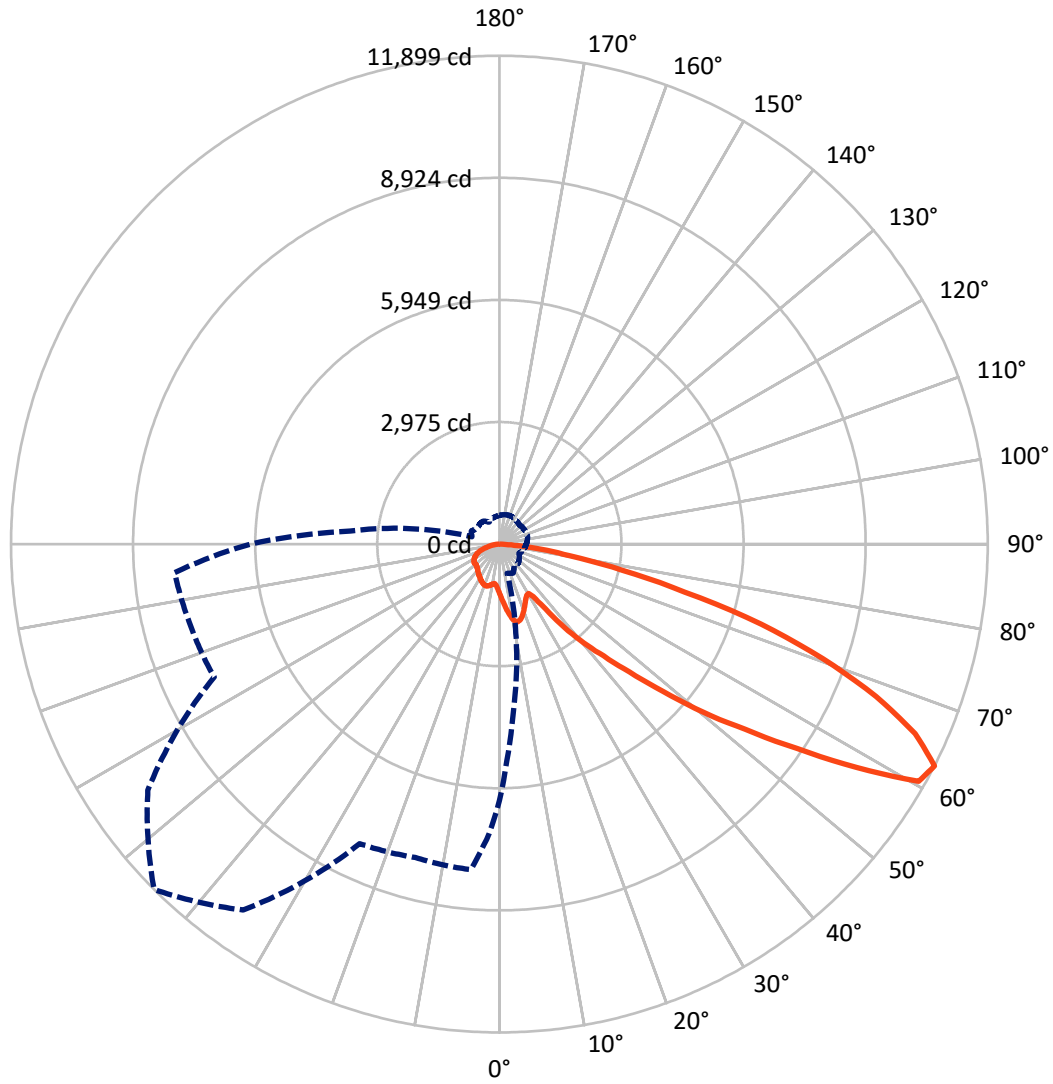
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type III - Short - N/A

REPORT NUMBER: P634302
CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634302

CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2330.9	0.0	2330.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7417.7	0.0	7417.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	9748.6	0.0	9748.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	1.2
10°-20°	389.2	4.0
20°-30°	612.6	6.3
30°-40°	839.7	8.6
40°-50°	1310.2	13.4
50°-60°	2259.1	23.2
60°-70°	2618.0	26.9
70°-80°	1381.9	14.2
80°-90°	218.3	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°	9748.6	100.0
0°-180°	9748.6	100.0

Coefficient of Utilization



REPORT NUMBER: P634302

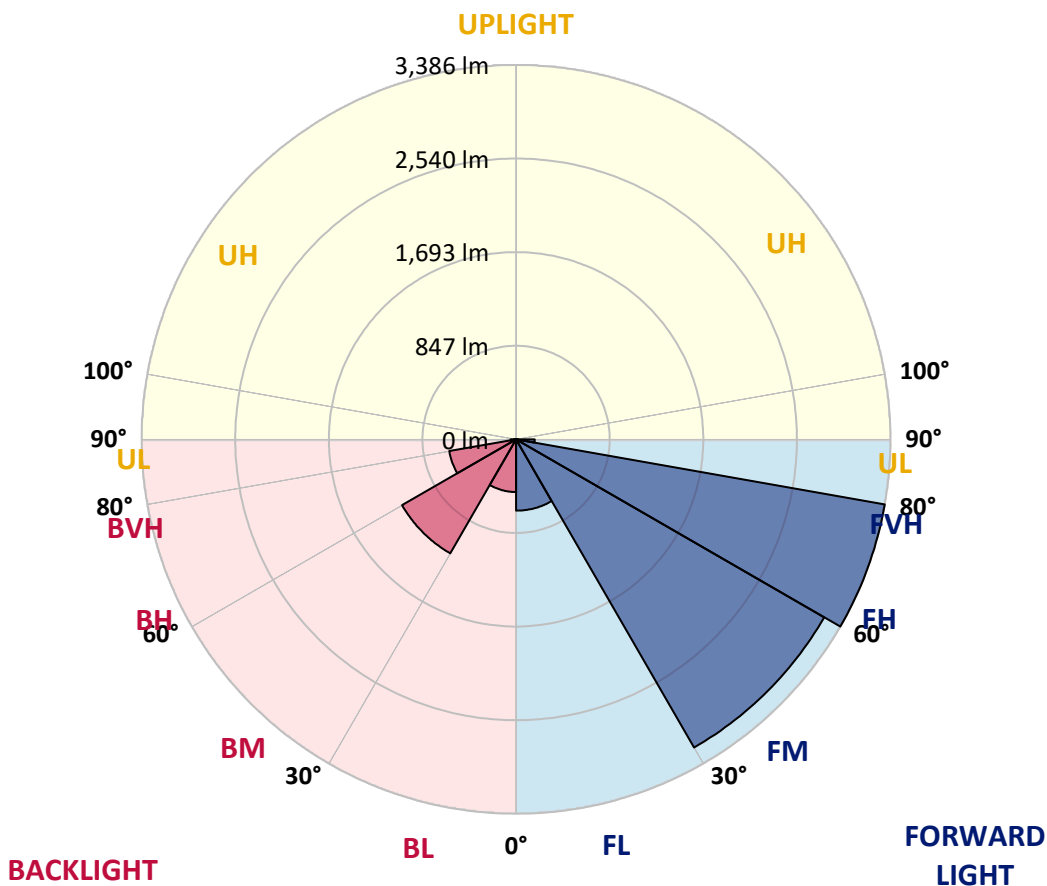
CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.8	6.6			
FM (30°-60°)	3218.4	33.0			
FH (60°-80°)	3386.1	34.7			G2/5000
FVH (80°-90°)	168.5	1.7			G2/225
BL (0°-30°)	476.8	4.9	B1/500		
BM (30°-60°)	1190.6	12.2	B2/2500		
BH (60°-80°)	613.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	49.8	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: P634302
 CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4
2.5°	1320.6	1315.4	1307.9	1282.6	1266.9	1249.0	1230.4	1208.7	1184.1	1167.0	1149.8
5°	1432.4	1424.2	1406.3	1345.9	1304.2	1258.7	1220.7	1177.4	1134.9	1105.8	1076.8
7.5°	1539.8	1529.4	1501.8	1409.3	1341.5	1275.8	1218.4	1155.8	1092.4	1049.2	1014.9
10°	1647.2	1625.6	1590.5	1469.7	1380.2	1304.2	1238.6	1161.8	1077.5	1018.6	982.1
12.5°	1729.2	1709.1	1671.1	1524.9	1419.0	1323.6	1249.7	1178.9	1107.3	1044.7	1007.4
15°	1806.0	1779.9	1736.7	1576.4	1451.1	1322.8	1227.4	1165.5	1155.0	1139.4	1090.9
17.5°	1861.2	1837.3	1792.6	1618.1	1469.0	1299.7	1165.5	1129.0	1175.9	1223.7	1177.4
20°	1909.7	1882.1	1836.6	1647.2	1472.7	1248.3	1090.2	1090.9	1164.7	1230.4	1219.2
22.5°	1950.7	1920.1	1879.8	1680.0	1471.2	1176.7	1024.6	1069.3	1143.1	1194.6	1196.1
25°	2001.4	1976.0	1942.5	1728.5	1471.2	1103.6	976.8	1043.2	1106.6	1149.8	1148.3
27.5°	2063.3	2046.1	2018.5	1802.3	1484.6	1042.5	950.0	1009.6	1059.6	1096.9	1096.1
30°	2132.6	2117.0	2096.1	1880.6	1507.8	997.0	935.1	967.9	1004.4	1034.2	1034.2
32.5°	2203.5	2197.5	2175.1	1943.2	1489.9	982.8	922.4	926.1	945.5	970.1	967.9
35°	2301.9	2295.9	2267.6	1991.7	1412.3	962.7	902.3	883.6	885.9	901.5	906.7
37.5°	2445.8	2436.9	2395.1	2048.4	1295.2	912.0	869.5	838.9	832.2	838.9	848.6
40°	2619.6	2606.1	2549.5	2125.2	1160.3	843.4	818.0	792.7	781.5	783.7	794.9
42.5°	2837.3	2809.0	2727.7	2206.4	1026.8	783.0	760.6	744.9	732.3	730.8	752.4
45°	3190.7	3113.2	2984.2	2278.8	914.2	750.9	709.1	698.0	687.5	693.5	718.8
47.5°	3808.2	3665.0	3413.7	2340.7	845.6	751.6	668.1	656.2	655.4	667.4	695.7
50°	4656.7	4450.2	4062.4	2382.4	809.8	760.6	643.5	624.1	638.3	650.2	677.1
52.5°	5469.5	5154.1	4692.5	2381.7	794.1	762.1	650.2	594.3	638.3	641.3	666.6
55°	6163.7	5592.6	4862.5	2137.1	771.8	756.1	676.3	571.2	630.1	641.3	661.4
57.5°	6715.5	5871.4	4849.9	1726.2	839.6	723.3	692.0	566.0	606.2	642.8	665.9
60°	6654.4	5743.9	4537.4	1059.6	832.9	665.1	689.7	575.7	566.0	622.6	660.7
62.5°	6248.0	5286.8	3999.8	735.2	782.2	631.6	653.2	592.8	528.7	593.6	635.3
65°	5679.1	4697.0	3333.2	563.7	648.0	633.1	591.3	580.9	495.9	547.3	592.1
67.5°	4926.7	3965.5	2631.5	446.7	451.9	548.1	536.9	516.0	465.3	506.3	546.6
70°	3703.8	2894.0	1810.5	359.4	342.3	457.8	482.5	463.8	435.5	447.4	489.9
72.5°	2609.9	1889.5	991.7	284.8	264.0	352.0	419.1	416.1	384.8	393.7	435.5
75°	1939.5	1337.0	619.7	225.2	214.8	252.0	351.2	360.2	334.1	344.5	376.6
77.5°	1290.8	865.7	344.5	167.0	167.0	184.2	261.7	303.5	284.1	292.3	314.7
80°	712.1	440.7	172.3	109.6	112.6	126.8	190.9	218.5	219.2	239.4	245.3
82.5°	225.2	140.2	76.8	64.1	60.4	72.3	123.0	156.6	146.2	186.4	171.5
85°	51.5	32.8	14.2	14.2	15.7	23.9	47.0	83.5	106.6	128.3	93.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	32.8	48.5	43.2
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: P634302
 CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4
2.5°	1139.4	1124.5	1120.0	1107.3	1105.8	1093.9	1089.4	1089.4	1094.6	1094.6	1099.9
5°	1064.8	1046.2	1035.7	1020.8	1017.1	1008.2	1002.2	1002.9	1009.6	1014.1	1023.1
7.5°	999.2	986.5	979.1	972.4	970.9	969.4	962.7	961.9	964.2	970.9	977.6
10°	971.6	962.7	964.9	970.1	978.3	982.8	976.8	973.9	971.6	976.1	982.1
12.5°	998.5	989.5	994.0	1002.9	1014.1	1018.6	1016.4	1015.6	1017.8	1035.0	1047.7
15°	1057.4	1040.2	1034.2	1038.0	1046.9	1051.4	1049.2	1052.1	1066.3	1111.1	1143.1
17.5°	1130.4	1088.7	1064.8	1058.1	1061.8	1065.6	1065.6	1073.0	1097.6	1163.3	1203.5
20°	1170.0	1115.5	1075.3	1058.9	1060.3	1064.1	1064.1	1074.5	1102.1	1172.2	1198.3
22.5°	1159.5	1109.6	1060.3	1042.5	1043.2	1046.2	1046.2	1055.1	1079.7	1141.6	1153.6
25°	1118.5	1074.5	1026.0	1010.4	1011.9	1017.1	1015.6	1020.8	1039.5	1090.2	1096.9
27.5°	1069.3	1030.5	982.8	970.9	977.6	988.0	979.1	979.8	997.0	1039.5	1040.2
30°	1016.4	984.3	941.8	932.8	945.5	950.7	942.5	942.5	959.7	988.8	988.0
32.5°	958.9	938.8	908.2	898.5	912.7	920.9	910.5	912.0	925.4	944.8	937.3
35°	905.2	894.8	880.6	873.9	882.9	890.3	883.6	886.6	899.3	904.5	894.1
37.5°	853.8	852.3	853.8	853.8	856.0	858.3	853.8	861.3	872.4	865.7	853.8
40°	809.1	815.0	829.2	825.5	823.2	825.5	822.5	835.2	846.3	834.4	820.2
42.5°	771.8	783.0	804.6	804.6	800.1	801.6	800.1	815.8	824.0	807.6	791.9
45°	739.7	756.1	783.7	787.4	780.0	780.0	783.0	802.3	805.3	783.0	766.6
47.5°	717.3	737.5	768.8	775.5	764.3	763.6	771.8	792.7	792.7	766.6	747.9
50°	701.7	724.0	761.3	770.3	759.1	756.1	769.5	789.7	785.2	753.9	735.2
52.5°	691.2	714.4	760.6	773.3	765.8	762.8	776.2	790.4	779.2	745.7	726.3
55°	684.5	709.9	762.8	773.3	765.1	759.8	773.3	785.9	780.0	741.2	722.6
57.5°	688.3	713.6	759.8	765.1	755.4	746.4	762.1	780.0	777.7	742.7	724.0
60°	682.3	705.4	743.4	744.9	728.5	714.4	737.5	764.3	764.3	737.5	721.1
62.5°	654.7	677.8	711.4	712.9	694.2	678.6	705.4	737.5	736.7	715.1	698.0
65°	609.2	630.8	668.9	672.6	654.0	637.6	665.1	695.0	697.2	677.8	662.9
67.5°	559.3	578.6	607.0	621.9	606.2	589.1	614.4	642.8	642.0	618.9	603.3
70°	499.6	517.5	543.6	556.3	546.6	530.2	553.3	568.2	561.5	550.3	539.9
72.5°	440.7	457.8	482.5	482.5	472.0	456.4	463.1	489.9	498.1	489.9	483.2
75°	378.8	393.7	410.9	414.6	391.5	363.1	394.5	417.6	427.3	423.5	415.3
77.5°	315.4	326.6	352.0	345.2	302.0	287.1	312.4	346.7	353.4	351.2	340.0
80°	243.1	249.8	276.6	263.2	229.7	220.0	231.2	258.0	259.5	252.0	237.9
82.5°	163.3	172.3	190.1	164.0	163.3	154.4	145.4	148.4	161.8	160.3	150.6
85°	83.5	88.0	105.1	98.4	84.3	73.1	69.3	73.8	66.4	60.4	52.2
87.5°	35.0	38.0	52.2	29.1	8.9	0.0	0.0	4.5	6.7	9.7	10.4
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: P634302
 CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4
2.5°	1111.8	1120.0	1140.1	1165.5	1190.1	1215.4	1243.0	1260.2	1281.1	1307.9	1308.7
5°	1034.2	1052.9	1082.0	1120.7	1161.0	1207.2	1260.9	1305.7	1359.4	1401.9	1419.0
7.5°	986.5	1013.4	1049.9	1099.1	1152.1	1209.5	1279.6	1354.9	1442.9	1499.6	1533.1
10°	991.0	1032.0	1068.6	1110.3	1158.0	1219.9	1310.1	1410.1	1518.2	1592.8	1634.5
12.5°	1070.8	1114.0	1107.3	1105.1	1137.2	1212.5	1334.8	1466.0	1598.0	1672.5	1722.5
15°	1171.5	1187.9	1124.5	1076.8	1096.1	1185.6	1348.2	1516.0	1664.3	1755.3	1804.5
17.5°	1222.9	1190.1	1113.3	1041.7	1036.5	1144.6	1354.9	1566.7	1738.9	1829.9	1882.1
20°	1199.0	1151.3	1086.4	1018.6	981.3	1088.7	1351.2	1606.9	1806.8	1908.2	1950.7
22.5°	1147.6	1105.8	1055.1	990.3	936.6	1027.5	1341.5	1647.2	1867.2	1969.3	2006.6
25°	1091.7	1060.3	1018.6	961.9	911.2	973.9	1334.8	1700.9	1936.5	2034.2	2058.1
27.5°	1035.7	1012.6	978.3	934.3	905.2	936.6	1337.0	1771.0	2026.0	2118.5	2108.8
30°	980.6	960.4	936.6	917.2	904.5	927.6	1331.0	1845.5	2124.4	2210.2	2152.8
32.5°	928.4	909.7	894.8	897.8	905.2	931.3	1300.5	1913.4	2214.7	2287.7	2200.5
35°	883.6	864.2	864.2	874.7	902.3	918.7	1221.4	1966.3	2314.6	2387.6	2268.3
37.5°	841.9	824.7	835.9	853.1	879.1	884.4	1120.0	2017.8	2460.0	2528.6	2373.5
40°	805.3	788.2	808.3	829.9	843.4	841.1	1017.1	2089.4	2631.5	2702.3	2512.9
42.5°	776.2	760.6	778.5	806.1	808.3	810.5	941.8	2158.0	2830.6	2920.8	2753.0
45°	752.4	741.2	750.1	777.7	777.7	812.0	894.8	2215.4	3130.3	3289.9	3193.7
47.5°	733.7	727.0	731.5	740.5	755.4	838.9	865.0	2259.4	3676.2	3989.4	3892.4
50°	723.3	716.6	722.6	703.9	748.7	852.3	855.3	2292.9	4395.7	4886.4	4766.3
52.5°	714.4	712.1	715.8	672.6	763.6	843.4	847.8	2248.2	4878.2	5769.3	5887.8
55°	711.4	712.9	695.0	649.5	781.5	813.5	825.5	1928.3	5009.4	6530.6	7266.6
57.5°	712.9	708.4	662.9	651.7	782.2	753.9	857.5	1375.8	4818.5	6861.7	8615.5
60°	707.6	685.3	624.1	671.9	747.9	683.8	834.4	897.0	4315.2	6607.4	8693.8
62.5°	684.5	651.7	590.6	683.0	686.8	642.0	757.6	691.2	3644.1	6063.1	7939.2
65°	651.0	607.0	562.2	659.9	624.9	622.6	569.7	554.0	2930.5	5415.1	7223.3
67.5°	595.8	551.8	541.4	607.0	562.2	551.8	457.8	459.3	2338.4	4724.6	6503.8
70°	533.2	489.2	497.4	548.8	500.3	458.6	370.6	382.5	1774.0	3936.4	5533.6
72.5°	492.1	433.2	434.0	483.2	439.9	371.3	305.0	315.4	1126.0	2967.0	4399.5
75°	415.3	381.8	365.4	391.5	373.6	289.3	256.5	254.3	667.4	2126.7	3294.4
77.5°	346.7	320.6	312.4	322.9	278.9	214.0	206.6	202.8	378.1	1362.3	2158.7
80°	251.3	244.6	243.8	249.1	214.8	157.3	157.3	158.1	203.6	739.7	1216.9
82.5°	159.6	174.5	154.4	171.5	146.2	111.9	104.4	118.6	117.1	315.4	513.0
85°	66.4	91.0	85.0	90.2	69.3	61.1	65.6	70.8	67.9	121.5	199.8
87.5°	12.7	14.9	16.4	15.7	15.7	19.4	21.6	26.1	26.1	35.0	60.4
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: P634302
 CATALOG NUMBER: GWS-SA3B-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4	1215.4
2.5°	1337.0	1358.6	1354.1	1363.8	1351.2	1355.6	1330.3	1323.6	1319.1	1320.6
5°	1474.2	1518.2	1526.4	1542.8	1531.6	1531.6	1486.9	1453.3	1441.4	1432.4
7.5°	1613.6	1677.0	1718.8	1723.3	1717.3	1705.4	1640.5	1580.1	1558.5	1539.8
10°	1737.4	1813.5	1860.5	1882.8	1871.6	1853.0	1772.5	1689.7	1663.6	1647.2
12.5°	1832.1	1899.2	1930.5	1945.5	1944.0	1937.3	1871.6	1782.2	1754.6	1729.2
15°	1893.3	1926.8	1914.9	1914.1	1924.6	1951.4	1931.3	1861.2	1829.1	1806.0
17.5°	1932.8	1900.7	1847.8	1823.2	1845.5	1908.9	1955.2	1915.6	1886.6	1861.2
20°	1947.0	1832.9	1756.1	1710.6	1736.7	1828.4	1942.5	1955.2	1930.5	1909.7
22.5°	1930.5	1750.1	1645.7	1592.0	1617.4	1727.0	1905.2	1987.2	1970.8	1950.7
25°	1890.3	1663.6	1538.3	1489.9	1517.4	1629.3	1838.8	2017.0	2017.8	2001.4
27.5°	1840.3	1583.8	1463.0	1417.5	1444.4	1548.8	1774.0	2043.1	2069.2	2063.3
30°	1789.6	1536.1	1427.2	1395.2	1415.3	1507.8	1707.6	2070.0	2122.2	2132.6
32.5°	1766.5	1559.2	1511.5	1525.6	1499.6	1531.6	1683.7	2108.0	2186.3	2203.5
35°	1797.1	1764.3	1885.1	1941.0	1848.5	1727.0	1714.3	2165.4	2276.5	2301.9
37.5°	1945.5	2203.5	2383.9	2580.8	2420.5	2152.8	1865.7	2263.1	2405.5	2445.8
40°	2268.3	2586.7	2912.6	3166.9	2924.5	2564.4	2153.5	2408.5	2583.0	2619.6
42.5°	2572.6	2946.2	3395.1	3723.9	3409.2	2900.7	2463.7	2653.1	2817.2	2837.3
45°	2870.8	3298.9	3978.9	4436.0	4008.7	3220.6	2780.6	3066.2	3190.0	3190.7
47.5°	3220.6	3696.3	4711.2	5362.1	4804.4	3574.8	3078.1	3720.2	3892.4	3808.2
50°	3638.9	4091.5	5465.0	6439.6	5774.5	4010.2	3456.2	4517.3	4752.2	4656.7
52.5°	4198.9	4527.0	6295.7	7490.3	6831.9	4506.1	4004.3	5570.2	5647.7	5469.5
55°	4987.1	5155.6	7362.0	8787.8	8012.3	5116.8	4805.9	6891.5	6674.5	6163.7
57.5°	6781.9	6150.3	8731.1	10267.9	9347.8	6226.4	6562.7	8348.6	7576.8	6715.5
60°	8283.7	7358.3	9998.0	11736.9	10492.4	7449.3	8212.1	8602.1	7543.2	6654.4
62.5°	7777.4	7666.3	10455.1	11898.7	10883.1	8051.0	7905.6	7963.1	7051.1	6248.0
65°	6823.7	7072.0	10047.2	11131.4	10449.9	7511.9	7151.0	7372.5	6488.1	5679.1
67.5°	6260.7	6443.4	9321.7	9903.3	9662.4	6928.8	6564.2	6403.8	5614.2	4926.7
70°	5685.0	5836.4	8303.1	8362.0	8434.3	5959.4	5367.4	4890.1	4184.7	3703.8
72.5°	4912.5	4920.7	7015.3	6673.8	6811.0	4663.4	4320.4	3656.0	3046.1	2609.9
75°	4121.3	3896.1	5553.0	4664.9	4940.1	3627.7	3587.4	2755.3	2297.4	1939.5
77.5°	3142.3	2879.0	4056.5	3067.7	3469.6	2416.0	2697.1	1868.7	1616.6	1290.8
80°	2109.5	1945.5	2241.5	1731.5	2269.8	1665.1	1759.0	1058.9	917.9	712.1
82.5°	1112.5	950.0	1385.5	1026.8	1369.1	914.9	659.9	327.4	278.9	225.2
85°	431.0	498.9	679.3	365.4	530.9	326.6	190.9	81.3	67.9	51.5
87.5°	83.5	129.0	70.8	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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