

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: P631884

Luminaire Tested: GWS-SA2B-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5523.2 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

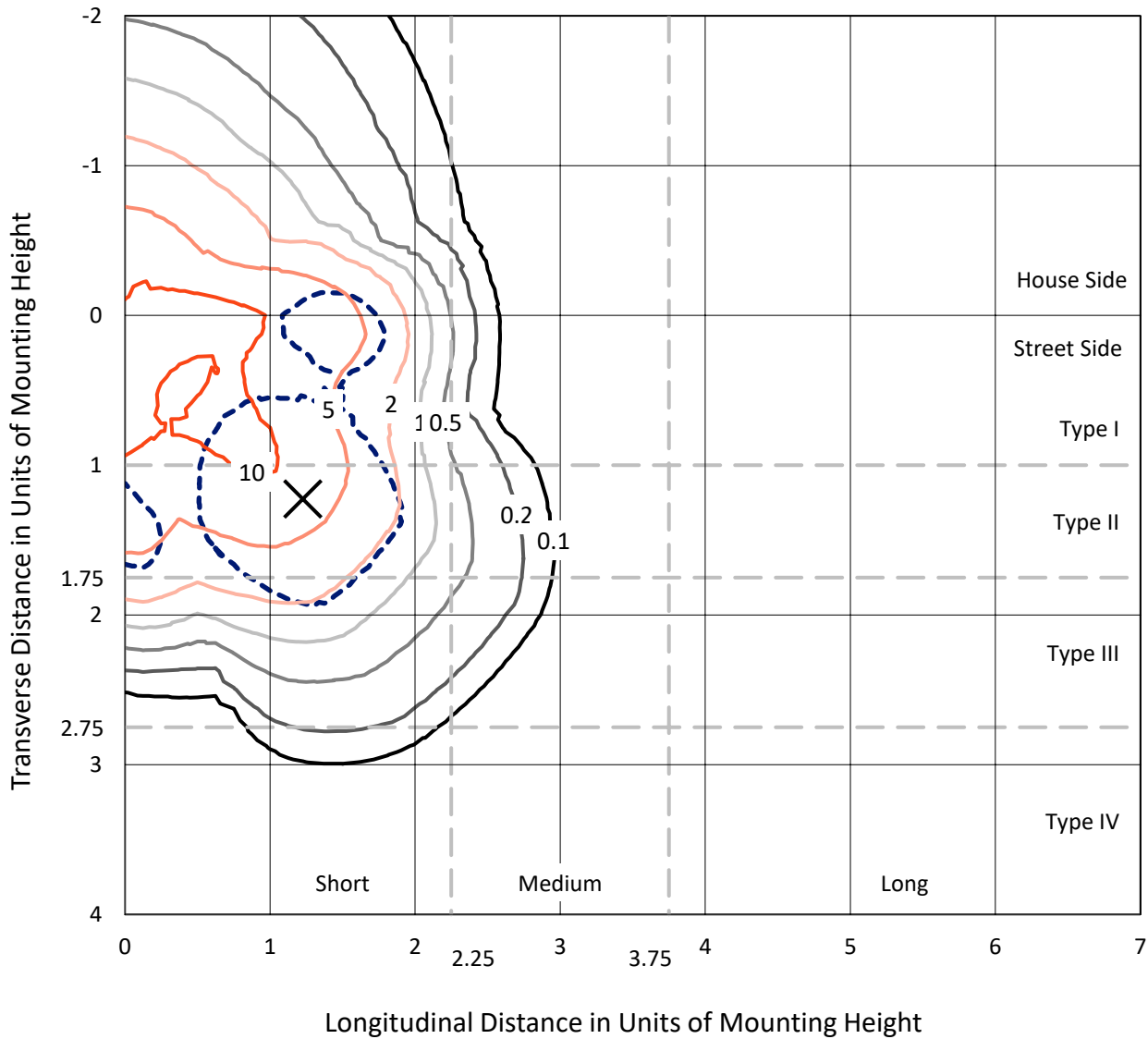
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

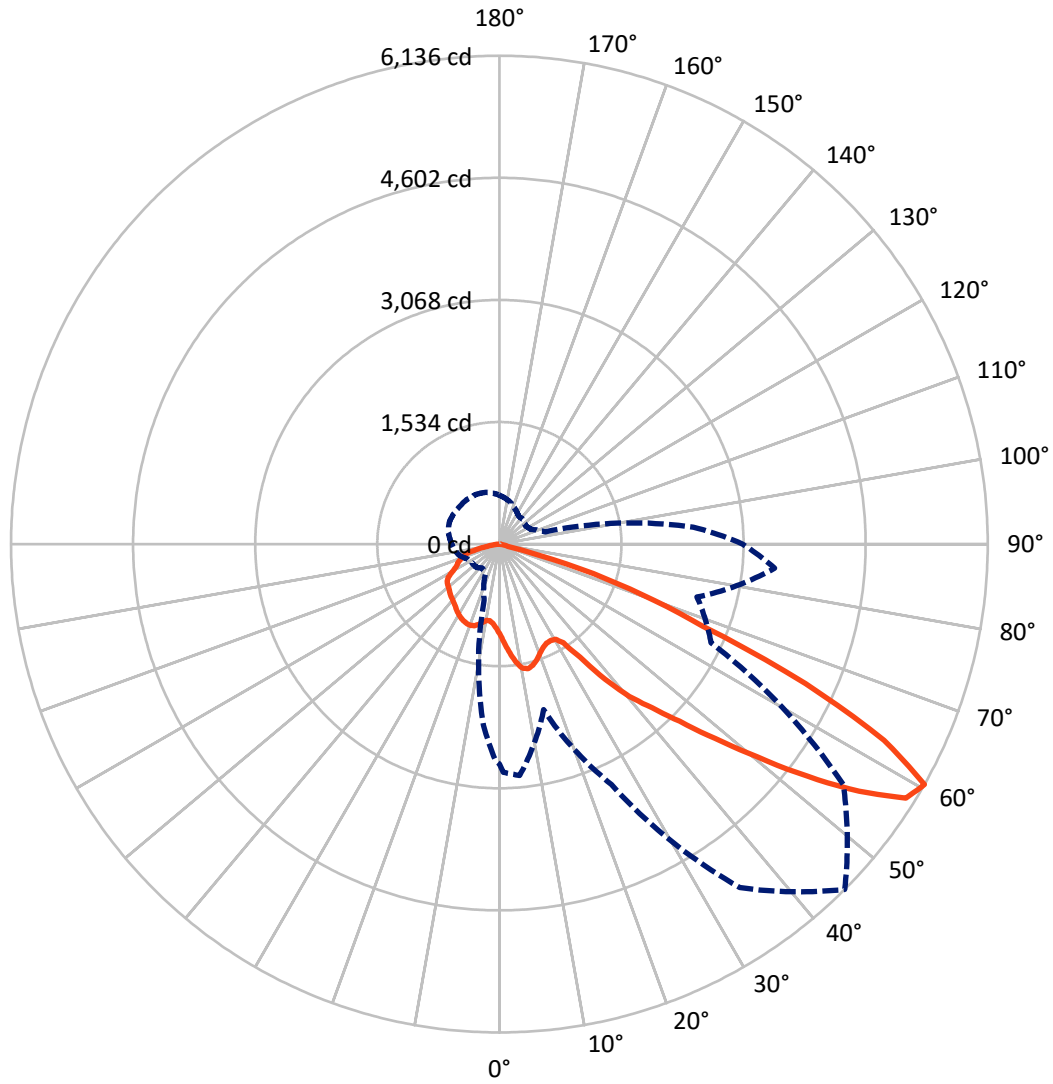
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1936.1	0.0	1936.1
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	3587.1	0.0	3587.1
	% Fixture	64.9	0.0	64.9
Total	Lumens	5523.2	0.0	5523.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	2.0
10°-20°	349.8	6.3
20°-30°	568.2	10.3
30°-40°	801.4	14.5
40°-50°	1107.5	20.1
50°-60°	1425.7	25.8
60°-70°	903.3	16.4
70°-80°	231.8	4.2
80°-90°	24.8	0.4
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°	5523.2	100.0
0°-180°	5523.2	100.0

Coefficient of Utilization



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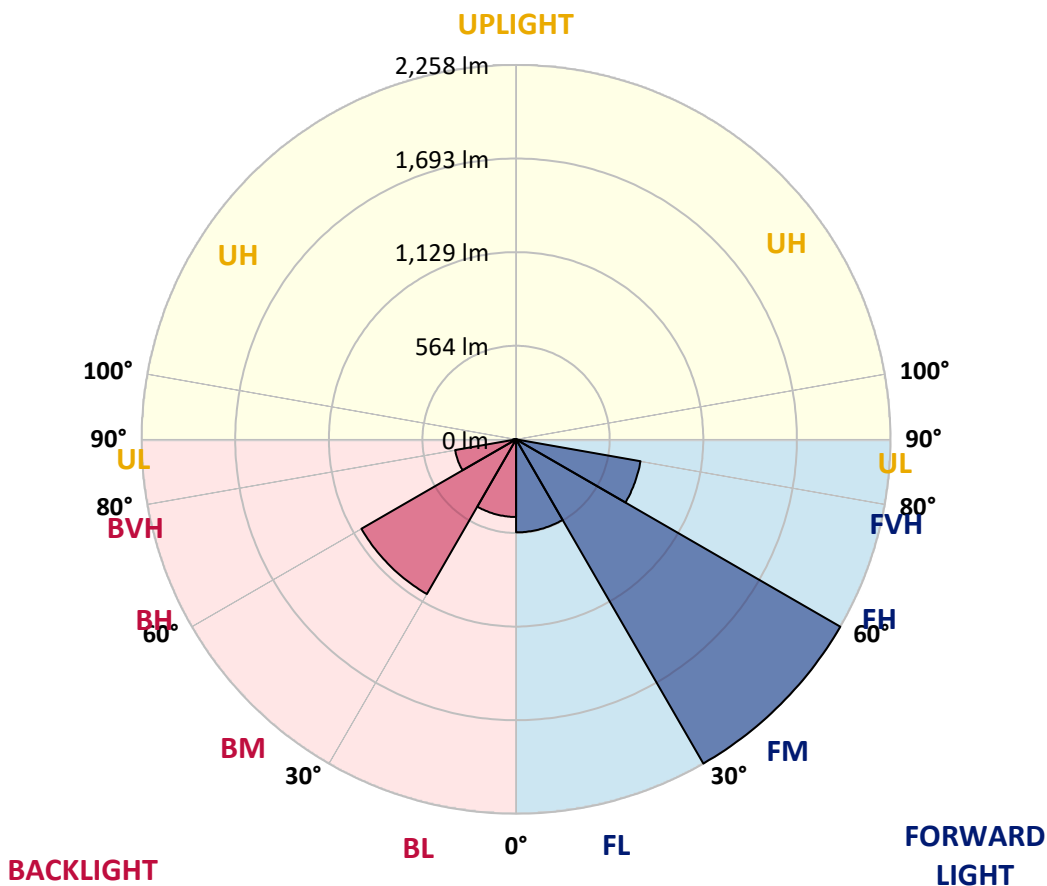
CATALOG NUMBER: GWS-SA2B-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.8	10.2			
FM (30°-60°)	2257.6	40.9			
FH (60°-80°)	762.0	13.8			G1/1800
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	467.9	8.5	B1/500		
BM (30°-60°)	1077.0	19.5	B2/2500		
BH (60°-80°)	373.1	6.8	B1/500		G1/500
BVH (80°-90°)	18.1	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6
2.5°	1186.8	1194.9	1199.9	1209.5	1226.7	1236.3	1247.0	1235.3	1238.4	1236.9	1218.1
5°	1257.1	1266.7	1279.9	1308.2	1340.1	1357.8	1374.5	1372.0	1356.3	1330.0	1311.2
7.5°	1322.9	1334.0	1356.8	1402.8	1449.9	1477.2	1497.5	1484.3	1471.2	1429.7	1382.6
10°	1374.5	1381.1	1412.0	1473.7	1528.4	1559.2	1584.0	1581.0	1562.8	1516.2	1453.0
12.5°	1423.1	1427.6	1461.0	1522.8	1571.9	1585.5	1605.8	1612.4	1606.3	1571.4	1509.1
15°	1475.2	1483.8	1514.7	1561.8	1584.0	1569.9	1576.9	1595.2	1612.4	1612.4	1555.2
17.5°	1523.8	1531.4	1562.8	1583.0	1561.8	1524.3	1526.3	1549.6	1590.6	1633.6	1597.2
20°	1566.8	1573.9	1604.8	1585.5	1518.2	1463.6	1462.1	1490.4	1556.7	1647.3	1642.2
22.5°	1613.9	1624.0	1649.8	1587.6	1477.7	1408.4	1407.9	1437.3	1526.8	1660.9	1693.8
25°	1680.7	1696.4	1709.5	1605.3	1456.0	1372.5	1379.1	1406.9	1517.2	1683.2	1770.3
27.5°	1779.9	1792.5	1791.5	1642.2	1455.0	1357.8	1371.5	1403.9	1534.4	1722.7	1850.7
30°	1887.2	1893.7	1883.1	1693.8	1478.3	1366.9	1387.2	1425.6	1578.0	1788.0	1969.2
32.5°	2006.1	2014.2	1993.9	1771.3	1532.4	1434.2	1478.8	1497.5	1639.2	1882.1	2094.7
35°	2142.7	2158.4	2116.4	1873.5	1691.8	1679.7	1744.5	1720.2	1769.2	1993.4	2228.8
37.5°	2286.5	2287.0	2226.7	2024.8	2004.6	2025.3	2154.9	2079.0	2045.1	2117.4	2365.4
40°	2408.4	2405.4	2312.8	2228.8	2276.8	2359.3	2515.7	2399.3	2310.2	2283.9	2478.8
42.5°	2530.4	2519.3	2425.6	2358.3	2464.6	2634.1	2810.8	2668.0	2480.3	2435.2	2590.6
45°	2686.3	2682.7	2569.9	2409.9	2634.1	2941.8	3176.1	2944.9	2581.0	2523.3	2776.9
47.5°	2937.8	2920.6	2710.6	2405.9	2793.0	3351.8	3647.8	3293.6	2651.3	2525.3	3077.5
50°	3183.7	3162.5	2878.6	2405.4	2957.0	3776.9	4204.5	3717.1	2723.2	2537.5	3383.1
52.5°	3432.2	3432.2	3154.4	2462.6	3129.1	4251.6	4847.7	4245.0	2845.7	2696.4	3759.1
55°	3580.0	3619.5	3464.6	2559.2	3330.5	4810.3	5483.9	4814.8	3035.0	2983.3	4106.3
57.5°	3392.2	3466.1	3443.9	2491.9	3449.4	5220.7	6023.3	5247.0	3128.6	3017.2	4054.2
60°	2764.2	2866.9	2918.0	2151.8	3332.0	5268.3	6136.2	5275.4	2935.3	2569.4	3472.7
62.5°	1837.6	1922.1	2000.0	1537.5	2884.6	4739.4	5427.2	4740.9	2451.4	1917.5	2405.9
65°	901.3	964.1	1048.1	908.9	2253.6	3960.1	4231.3	3831.0	1773.3	1073.4	1227.2
67.5°	235.8	253.5	265.2	352.7	1614.4	2845.2	2759.6	2802.2	1139.2	350.7	320.9
70°	122.5	123.5	123.0	145.8	1091.1	1808.2	1901.8	1759.6	795.0	146.8	126.5
72.5°	87.6	88.1	86.5	98.2	526.8	1035.9	1073.4	1061.8	416.5	87.0	86.5
75°	57.2	57.7	56.7	57.7	79.5	117.9	108.8	114.4	69.3	55.2	55.2
77.5°	33.9	34.4	33.9	34.9	33.9	33.9	31.4	31.4	29.9	29.9	30.4
80°	22.8	22.8	22.3	23.3	21.3	21.3	20.2	19.7	18.2	17.7	17.7
82.5°	13.7	14.2	13.7	13.7	12.7	12.7	11.6	11.1	9.6	9.6	9.1
85°	7.1	7.1	6.6	6.6	5.6	5.1	4.0	4.0	3.0	2.5	2.5
87.5°	1.0	1.0	0.5	0.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6
2.5°	1213.1	1202.9	1187.8	1173.1	1159.4	1145.3	1129.1	1112.4	1098.2	1083.5	1075.9
5°	1286.5	1265.7	1226.2	1191.3	1159.9	1134.1	1106.3	1082.5	1060.2	1042.0	1032.9
7.5°	1352.7	1320.4	1260.6	1205.5	1163.0	1127.5	1089.1	1053.7	1023.8	1001.5	992.9
10°	1414.0	1375.5	1297.1	1227.2	1177.6	1138.2	1091.1	1043.0	1003.6	974.2	967.1
12.5°	1463.6	1419.5	1325.9	1245.0	1186.2	1143.7	1102.2	1060.7	1021.8	983.8	977.7
15°	1507.6	1455.5	1347.7	1256.1	1183.2	1129.1	1094.1	1089.1	1089.1	1046.1	1033.9
17.5°	1545.6	1488.4	1365.4	1261.1	1164.0	1085.5	1064.3	1108.3	1157.9	1127.0	1099.7
20°	1589.1	1519.8	1380.1	1261.1	1128.6	1030.4	1028.4	1103.3	1176.6	1177.1	1148.3
22.5°	1633.1	1556.2	1397.3	1256.6	1080.0	966.6	1004.1	1083.0	1148.3	1176.1	1156.4
25°	1704.5	1606.8	1424.6	1253.0	1023.3	923.1	982.3	1056.2	1111.3	1140.7	1128.0
27.5°	1795.1	1673.6	1466.1	1258.6	967.1	897.3	959.0	1021.3	1071.4	1097.2	1088.1
30°	1896.3	1750.5	1510.6	1268.2	926.6	884.1	931.2	981.3	1025.8	1051.6	1047.6
32.5°	2025.3	1834.0	1549.1	1255.1	903.9	877.5	901.8	937.8	980.8	997.0	1000.5
35°	2179.7	1926.1	1578.5	1203.5	883.1	870.5	869.9	892.2	922.6	948.4	950.9
37.5°	2321.9	2033.9	1610.8	1114.9	845.7	852.7	832.5	845.7	875.5	901.3	911.4
40°	2462.6	2143.2	1655.9	1002.0	796.6	813.3	789.5	798.6	822.4	856.3	872.5
42.5°	2599.2	2241.9	1703.5	886.6	747.5	758.1	740.4	749.5	774.3	816.8	835.0
45°	2748.0	2375.5	1740.4	777.8	705.0	700.4	686.2	699.4	736.8	783.4	805.2
47.5°	3029.4	2586.1	1764.7	705.5	682.2	649.3	633.1	661.4	704.0	751.0	777.3
50°	3373.0	2890.7	1757.6	659.4	662.5	596.7	591.1	628.5	674.1	723.2	752.0
52.5°	3645.3	3189.8	1677.1	615.4	624.0	563.3	547.1	601.7	645.2	695.4	725.2
55°	3853.3	3290.5	1430.2	563.3	561.2	539.0	505.1	573.9	616.4	663.0	695.4
57.5°	3683.7	3066.3	1060.2	491.4	479.3	490.9	458.0	526.8	581.0	627.0	655.9
60°	3057.2	2444.9	590.6	435.2	400.8	429.2	424.1	477.2	542.5	591.1	615.9
62.5°	2075.4	1628.1	350.2	344.1	324.9	365.4	392.2	427.1	491.4	530.9	554.2
65°	1034.4	791.0	232.8	257.6	260.1	300.6	351.2	389.7	443.3	483.8	507.1
67.5°	300.1	246.0	177.1	196.9	224.2	256.6	297.1	342.6	394.7	442.8	470.1
70°	129.6	131.1	140.7	164.0	190.8	224.2	264.7	309.2	353.2	390.2	410.9
72.5°	91.6	95.1	105.8	129.6	154.9	186.7	227.2	270.2	302.1	339.6	361.3
75°	58.7	61.2	69.8	88.1	106.8	137.7	176.1	215.6	248.5	275.3	296.1
77.5°	32.4	32.9	40.0	50.6	63.3	83.0	111.3	142.2	166.5	181.7	200.4
80°	18.7	18.7	22.3	28.8	36.4	48.6	64.3	79.5	94.1	103.7	112.9
82.5°	10.1	10.1	11.6	15.7	19.7	26.8	35.9	43.5	52.6	57.7	63.8
85°	3.0	3.0	4.0	5.6	7.1	10.1	14.2	18.2	22.3	25.8	29.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6
2.5°	1074.4	1067.3	1063.3	1058.2	1059.7	1055.2	1052.6	1054.2	1045.1	1054.2	1063.3
5°	1029.4	1019.2	1011.1	1004.6	1001.5	995.5	991.9	991.9	986.3	995.5	1006.6
7.5°	989.9	981.8	977.7	973.7	969.1	963.6	957.5	955.5	951.9	961.5	971.2
10°	963.6	964.6	967.1	972.7	971.7	968.1	959.0	954.0	954.0	965.1	979.8
12.5°	975.7	986.3	992.4	1002.5	1004.6	1001.5	992.4	988.4	998.5	1015.2	1039.5
15°	1022.8	1029.9	1034.9	1043.0	1042.5	1040.0	1032.9	1035.9	1069.3	1101.7	1123.5
17.5°	1073.9	1065.8	1064.8	1069.8	1071.4	1068.3	1064.3	1077.9	1133.1	1163.5	1174.6
20°	1110.8	1083.0	1076.9	1079.0	1083.0	1081.5	1081.5	1103.8	1160.9	1175.1	1160.9
22.5°	1122.0	1082.5	1073.4	1073.9	1079.5	1080.0	1082.5	1105.8	1139.2	1139.7	1117.9
25°	1104.3	1066.3	1059.7	1060.7	1067.3	1066.8	1067.8	1081.0	1095.7	1089.6	1073.4
27.5°	1070.9	1038.0	1035.9	1041.5	1050.1	1045.6	1042.5	1046.1	1053.1	1045.6	1031.4
30°	1032.9	1005.1	1006.1	1016.7	1025.8	1018.2	1010.6	1012.7	1013.2	1005.1	988.9
32.5°	992.9	972.2	975.7	986.9	997.5	989.4	981.3	980.3	970.7	961.0	945.4
35°	952.9	944.8	949.4	958.5	967.6	961.0	956.0	952.9	932.2	918.0	904.9
37.5°	916.5	922.6	930.7	936.2	939.3	938.8	935.7	928.7	901.3	884.6	867.4
40°	884.1	902.8	911.4	914.0	918.5	917.5	917.0	906.9	871.0	853.2	833.5
42.5°	854.8	881.1	895.8	898.3	900.8	901.3	899.8	885.1	844.1	823.4	804.7
45°	826.4	860.8	879.6	877.0	880.6	880.6	882.1	862.9	817.8	796.6	776.8
47.5°	801.6	842.1	859.3	856.3	858.3	859.8	861.3	839.1	789.0	768.7	748.5
50°	778.9	821.9	836.5	837.6	837.6	841.1	840.6	818.8	764.7	742.9	722.7
52.5°	754.6	801.1	816.8	823.4	825.4	826.9	819.8	794.5	739.9	713.6	694.8
55°	726.2	779.9	794.0	802.6	806.7	805.7	796.1	770.3	714.6	688.3	667.0
57.5°	683.2	734.3	754.6	758.6	765.2	761.1	750.0	728.2	674.1	647.8	626.0
60°	636.1	673.1	689.3	692.8	687.8	689.3	687.8	667.0	619.9	599.2	576.9
62.5°	574.4	607.3	624.5	629.1	620.5	626.0	624.0	598.2	551.1	529.4	509.6
65°	527.8	563.8	584.0	586.5	584.0	586.5	579.5	548.1	503.5	481.3	461.0
67.5°	491.4	528.3	549.6	556.7	554.2	553.6	542.5	506.1	460.0	435.7	409.9
70°	428.6	461.0	488.4	505.6	505.6	496.0	474.7	440.8	403.9	383.1	362.9
72.5°	379.6	420.6	447.4	465.1	468.6	463.1	433.2	397.3	354.8	334.0	312.8
75°	312.8	352.7	381.6	404.9	409.4	403.3	368.9	333.5	294.0	273.8	252.5
77.5°	209.0	232.8	256.1	277.3	272.8	276.8	253.5	226.7	202.4	187.2	177.6
80°	117.9	133.6	140.7	152.3	152.3	152.3	137.1	124.5	110.8	102.2	92.6
82.5°	66.8	76.9	80.0	89.6	92.1	92.6	82.5	74.4	65.8	61.2	54.7
85°	30.9	36.4	36.9	42.5	44.5	48.6	44.0	38.5	33.4	31.4	27.3
87.5°	1.0	3.0	4.0	7.6	10.1	11.6	12.7	12.7	10.6	9.6	8.1
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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 CATALOG NUMBER: GWS-SA2B-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6
2.5°	1074.4	1086.5	1100.7	1110.8	1129.1	1144.2	1159.9	1177.1	1189.8	1186.8
5°	1020.3	1040.5	1066.3	1090.1	1124.0	1158.4	1196.4	1235.3	1258.1	1257.1
7.5°	989.9	1018.7	1050.1	1082.0	1122.0	1171.6	1229.8	1290.5	1321.4	1322.9
10°	1006.1	1037.0	1058.2	1085.0	1127.0	1189.3	1259.1	1332.0	1367.4	1374.5
12.5°	1057.2	1054.7	1053.1	1072.4	1123.0	1201.9	1287.5	1374.5	1414.5	1423.1
15°	1105.8	1053.7	1022.3	1035.4	1104.8	1210.0	1315.3	1421.1	1466.1	1475.2
17.5°	1114.9	1035.9	977.7	986.9	1075.9	1212.6	1342.1	1466.6	1515.2	1523.8
20°	1089.6	1013.2	945.4	932.7	1039.5	1206.0	1358.8	1504.6	1557.7	1566.8
22.5°	1057.7	992.9	921.1	888.2	994.9	1199.4	1377.5	1544.6	1605.8	1613.9
25°	1024.3	967.1	898.3	848.2	944.3	1195.4	1408.9	1597.2	1671.1	1680.7
27.5°	988.9	935.7	878.6	829.0	897.8	1200.4	1453.5	1682.2	1766.2	1779.9
30°	950.9	904.4	865.9	822.4	865.9	1205.0	1502.5	1769.2	1867.9	1887.2
32.5°	911.4	875.5	852.7	825.4	846.2	1194.3	1545.6	1866.9	1989.4	2006.1
35°	872.0	846.2	836.0	831.0	819.8	1155.4	1580.5	1965.6	2128.1	2142.7
37.5°	835.0	815.8	812.8	818.3	779.4	1091.6	1621.0	2091.1	2264.2	2286.5
40°	800.6	782.9	782.4	781.4	734.8	1004.6	1675.6	2218.6	2398.3	2408.4
42.5°	768.7	746.5	750.5	738.4	698.4	910.4	1727.2	2327.5	2523.3	2530.4
45°	740.4	711.0	715.6	700.4	681.2	811.7	1772.8	2456.0	2681.7	2686.3
47.5°	713.1	681.7	669.0	668.0	678.1	720.7	1817.3	2703.5	2929.7	2937.8
50°	687.8	653.9	617.9	640.2	659.4	652.3	1873.0	2968.7	3185.8	3183.7
52.5°	663.5	618.9	567.8	610.8	610.8	601.7	1857.3	3129.6	3397.3	3432.2
55°	635.6	562.8	515.7	561.7	539.5	556.2	1579.5	3182.2	3530.4	3580.0
57.5°	580.5	493.4	452.4	477.2	443.8	515.7	1134.6	2921.1	3304.2	3392.2
60°	527.3	442.3	415.5	410.9	367.4	420.6	735.3	2287.0	2719.7	2764.2
62.5°	465.1	398.3	375.5	340.6	295.5	306.2	445.3	1505.1	1827.4	1837.6
65°	418.0	360.8	317.3	275.8	241.9	222.2	263.2	725.7	913.5	901.3
67.5°	358.8	309.2	267.7	237.9	210.0	185.2	175.1	215.6	243.9	235.8
70°	319.3	271.8	231.8	203.4	177.6	152.8	135.1	127.0	124.5	122.5
72.5°	275.3	233.8	192.3	165.0	140.7	117.9	101.7	92.1	89.6	87.6
75°	219.6	180.7	142.7	116.9	95.6	79.5	68.8	60.7	59.2	57.2
77.5°	145.2	115.9	85.0	69.3	56.7	48.1	41.0	35.9	34.9	33.9
80°	80.0	66.8	52.1	42.0	33.9	29.4	26.8	23.8	23.3	22.8
82.5°	47.6	40.0	29.9	23.8	19.7	17.7	16.2	14.7	14.2	13.7
85°	23.8	18.7	13.2	11.1	10.1	9.1	9.1	7.6	7.1	7.1
87.5°	6.1	5.1	3.0	2.5	2.5	2.5	2.0	1.5	1.5	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)