

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: P634361

Luminaire Tested: GWS-SA3B-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10074.2 lumens
Efficiency: N/A
Efficacy: 147.5 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

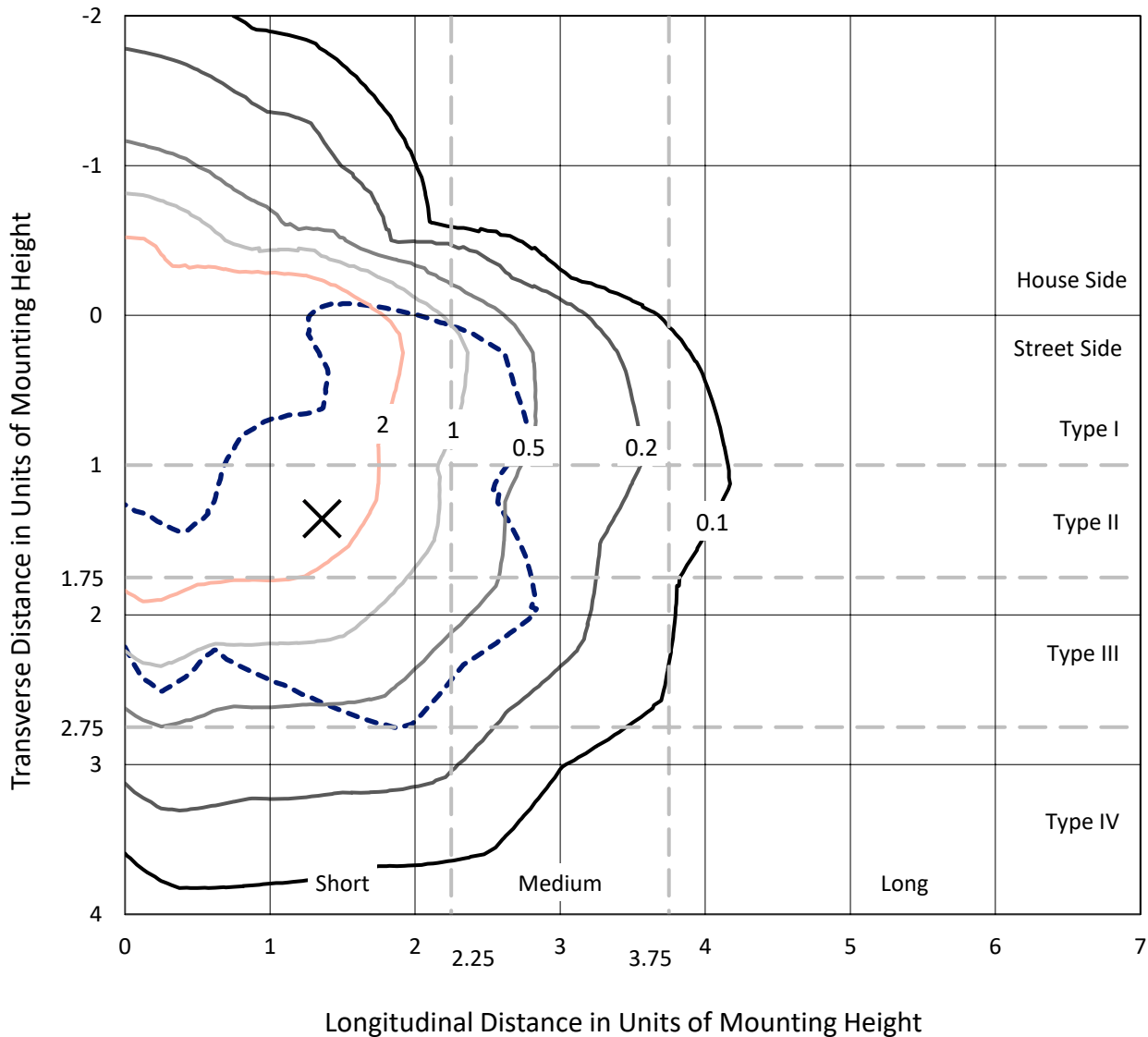
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

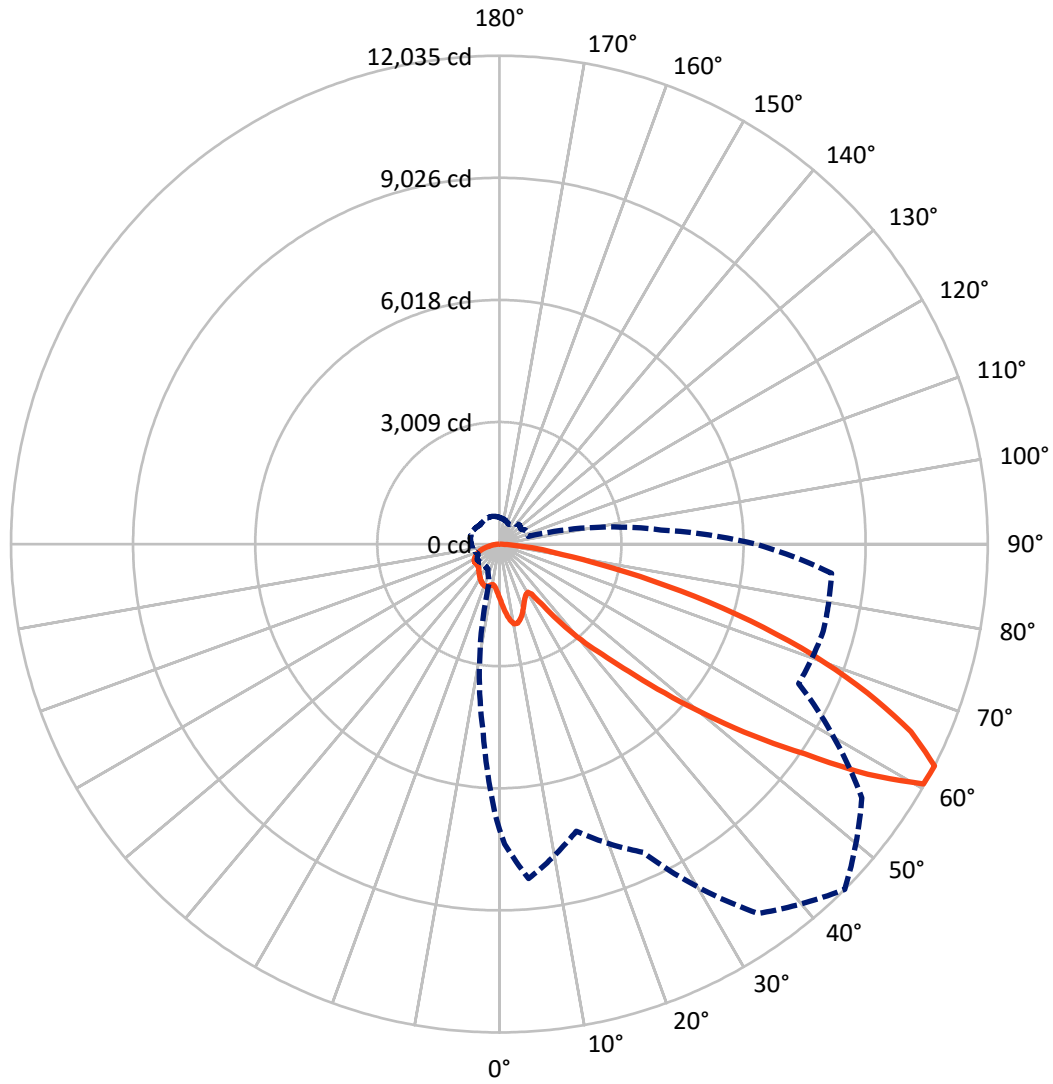
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2403.9	0.0	2403.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7670.3	0.0	7670.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	10074.2	0.0	10074.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	1.3
10°-20°	409.3	4.1
20°-30°	635.8	6.3
30°-40°	863.3	8.6
40°-50°	1368.2	13.6
50°-60°	2413.5	24.0
60°-70°	2685.4	26.7
70°-80°	1361.9	13.5
80°-90°	206.2	2.0
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°	10074.2	100.0
0°-180°	10074.2	100.0

Coefficient of Utilization



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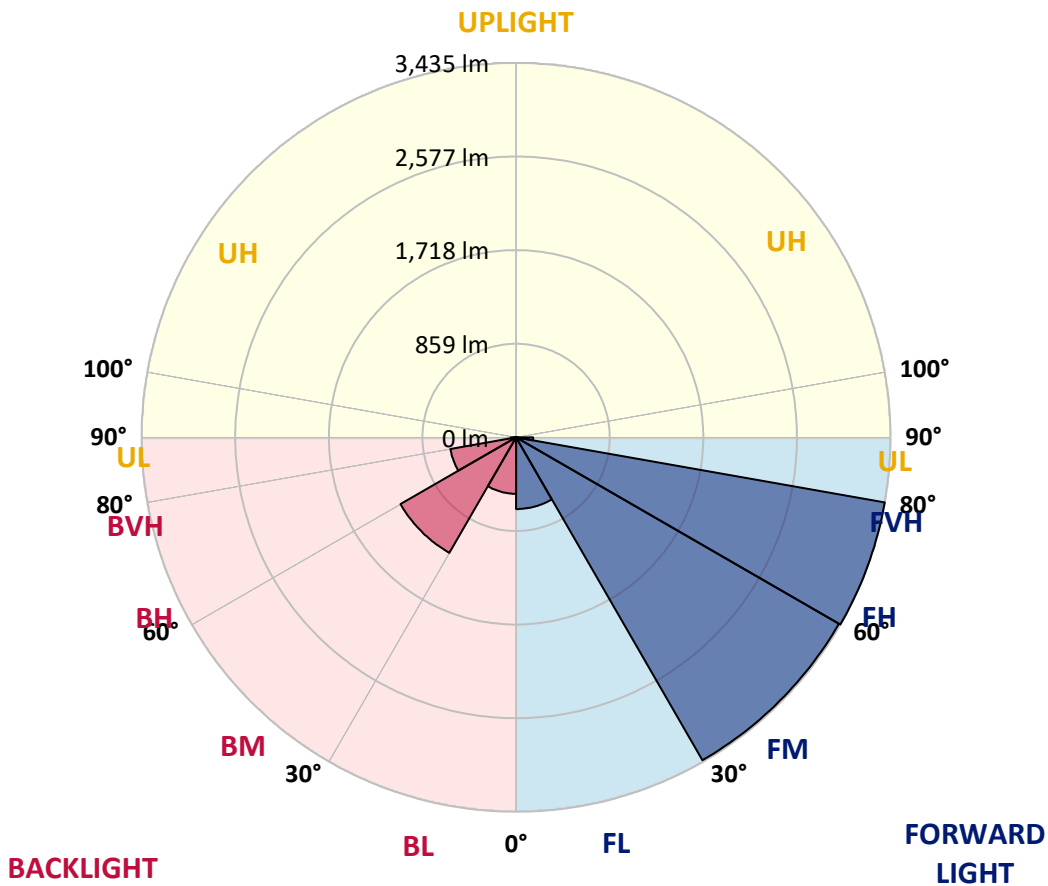
CATALOG NUMBER: GWS-SA3B-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.8	6.5			
FM (30°-60°)	3420.6	34.0			
FH (60°-80°)	3435.4	34.1			G2/5000
FVH (80°-90°)	156.5	1.6			G2/225
BL (0°-30°)	518.0	5.1	B2/1000		
BM (30°-60°)	1224.3	12.2	B2/2500		
BH (60°-80°)	611.9	6.1	B2/1000		G2/1000
BVH (80°-90°)	49.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1
2.5°	1437.0	1436.2	1450.7	1472.8	1493.4	1502.6	1517.8	1516.3	1504.1	1488.1	1482.7
5°	1549.9	1552.9	1578.1	1626.9	1681.0	1703.9	1713.8	1710.0	1687.9	1659.7	1610.1
7.5°	1652.1	1657.4	1696.3	1769.5	1836.6	1867.1	1891.6	1887.0	1854.9	1802.3	1729.1
10°	1726.8	1732.9	1779.4	1865.6	1940.4	1967.1	1998.3	1999.9	1971.6	1900.7	1826.0
12.5°	1801.5	1807.7	1851.1	1929.7	1978.5	1979.3	1997.6	2007.5	2009.0	1976.2	1901.5
15°	1879.3	1884.7	1924.3	1968.6	1966.3	1923.6	1923.6	1942.7	1984.6	2008.2	1956.4
17.5°	1945.7	1952.6	1983.1	1968.6	1900.7	1823.7	1814.5	1838.9	1912.1	2002.9	1997.6
20°	2000.6	2006.0	2022.7	1926.6	1803.1	1702.4	1684.9	1713.1	1812.2	1970.1	2028.8
22.5°	2053.2	2056.3	2047.1	1871.7	1697.8	1582.6	1561.3	1591.0	1697.8	1912.1	2055.5
25°	2115.8	2112.7	2069.3	1814.5	1601.7	1488.1	1466.0	1499.5	1610.9	1835.1	2084.5
27.5°	2188.3	2176.8	2088.3	1752.7	1527.7	1417.9	1402.6	1438.5	1542.2	1764.2	2107.4
30°	2250.0	2227.9	2091.4	1697.8	1489.6	1388.2	1379.0	1412.6	1508.7	1716.1	2136.4
32.5°	2318.7	2288.2	2108.9	1683.3	1511.0	1459.9	1472.1	1474.3	1517.8	1702.4	2179.9
35°	2417.1	2377.4	2157.0	1725.3	1730.6	1816.8	1861.0	1801.5	1655.9	1732.9	2262.2
37.5°	2565.8	2515.5	2254.6	1906.8	2184.4	2377.4	2484.2	2348.4	2075.4	1848.1	2386.6
40°	2746.6	2682.5	2379.7	2242.4	2608.5	2917.4	3107.3	2908.3	2507.1	2135.6	2561.2
42.5°	2999.0	2931.9	2622.2	2571.9	3001.3	3461.2	3709.1	3412.4	2887.7	2507.1	2841.1
45°	3439.1	3374.3	3066.9	2902.2	3461.2	4130.9	4478.7	4066.1	3274.4	2880.0	3364.4
47.5°	4252.2	4175.9	3727.4	3268.3	3986.0	5000.4	5487.0	4886.0	3676.3	3307.2	4243.0
50°	5228.5	5155.2	4556.5	3701.5	4565.7	5930.2	6606.7	5849.3	4139.3	3826.6	5293.3
52.5°	6403.1	6389.3	5739.5	4249.1	5169.0	6921.7	7849.2	6916.4	4646.5	4526.0	6483.1
55°	7461.7	7596.0	7242.0	5084.3	5948.5	8167.2	9126.7	8080.3	5334.5	5682.3	7876.6
57.5°	8032.2	8393.0	8936.8	6788.2	7081.9	9656.1	10703.3	9501.2	6516.7	7607.4	9168.7
60°	7655.4	8064.3	9049.7	8071.1	8206.1	10849.0	12004.5	10695.7	7677.6	8943.7	9095.5
62.5°	7028.5	7395.4	8271.7	7322.1	8380.0	11111.3	12035.0	10903.9	8139.0	8265.6	8216.0
65°	6284.8	6654.8	7583.0	6391.6	7827.1	10488.2	11147.2	10291.4	7309.9	7467.8	7486.1
67.5°	5297.1	5638.8	6583.8	5683.0	7134.5	9573.7	9784.2	9418.9	6731.8	6983.5	6720.3
70°	3957.8	4265.9	5100.3	4618.3	6014.1	8382.3	8212.2	8266.4	6082.7	6332.9	5613.6
72.5°	2704.6	2936.5	3651.9	3629.0	4605.3	6710.4	6473.2	6986.5	5080.5	5412.3	4279.6
75°	1891.6	2072.3	2639.8	2867.1	3481.1	4973.7	4609.9	5229.2	3967.7	4441.3	3122.6
77.5°	1160.9	1280.6	1667.3	2124.2	2239.4	3404.0	2863.3	3934.9	2786.2	3239.3	2083.0
80°	580.4	638.4	810.0	1335.5	1485.0	2006.0	1581.1	2284.4	1885.4	2006.0	1152.5
82.5°	175.4	193.7	237.2	507.2	769.6	1154.8	934.3	1327.1	1029.7	940.4	453.8
85°	46.5	52.6	65.6	150.3	270.0	414.2	315.8	643.0	493.5	347.0	170.8
87.5°	3.8	3.8	3.1	3.1	1.5	0.0	0.0	45.8	92.3	52.6	29.7
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°	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1
2.5°	1456.0	1453.0	1421.7	1398.8	1372.1	1346.2	1319.5	1295.9	1269.2	1242.5	1234.8
5°	1573.5	1552.1	1485.8	1430.1	1375.2	1327.1	1285.2	1241.7	1206.6	1172.3	1159.3
7.5°	1677.2	1639.9	1543.7	1459.1	1382.8	1323.3	1261.5	1198.2	1148.7	1099.8	1087.6
10°	1771.0	1721.5	1600.2	1493.4	1408.7	1340.9	1268.4	1183.7	1112.0	1052.6	1036.5
12.5°	1840.4	1786.3	1649.0	1526.2	1430.1	1353.8	1282.1	1207.4	1131.9	1054.8	1037.3
15°	1895.4	1838.9	1689.4	1551.4	1430.9	1332.5	1263.1	1237.1	1213.5	1138.0	1105.9
17.5°	1939.6	1880.1	1724.5	1566.6	1410.3	1267.6	1207.4	1245.5	1305.8	1258.5	1198.2
20°	1980.0	1919.8	1751.2	1577.3	1364.5	1178.4	1144.8	1225.7	1316.5	1314.9	1260.8
22.5°	2024.3	1965.5	1790.1	1583.4	1300.4	1087.6	1107.5	1196.7	1270.7	1292.8	1259.3
25°	2080.7	2028.8	1844.3	1597.1	1228.0	1025.1	1080.0	1159.3	1221.1	1226.5	1206.6
27.5°	2146.3	2107.4	1925.1	1629.2	1157.8	993.1	1048.0	1106.7	1163.2	1165.4	1141.8
30°	2218.0	2192.1	1999.9	1655.9	1105.2	983.1	1006.8	1054.1	1089.9	1096.0	1075.4
32.5°	2309.5	2286.6	2066.2	1638.3	1073.9	980.9	968.7	993.1	1022.8	1022.8	1006.8
35°	2435.4	2403.3	2136.4	1571.2	1035.8	971.7	928.2	935.1	948.1	950.4	941.2
37.5°	2613.8	2561.2	2207.3	1438.5	973.2	938.9	881.7	873.3	877.9	884.0	881.7
40°	2835.0	2748.9	2311.0	1279.1	898.5	875.6	833.7	817.6	813.8	826.0	830.6
42.5°	3113.4	2981.5	2422.4	1130.4	830.6	803.1	777.2	763.5	757.4	778.0	790.2
45°	3558.1	3340.7	2529.2	983.1	792.5	741.4	723.8	713.9	717.0	741.4	756.6
47.5°	4326.2	3889.1	2630.6	890.1	789.4	697.1	675.8	678.1	686.5	712.4	730.7
50°	5297.9	4623.6	2698.5	851.2	798.6	670.4	642.2	654.4	667.4	692.6	713.9
52.5°	6287.1	5307.8	2617.7	829.8	797.8	671.2	610.9	647.6	653.7	678.8	701.7
55°	6967.5	5384.1	2261.5	797.0	785.6	701.7	586.5	644.5	648.3	671.2	691.8
57.5°	7226.8	5123.2	1724.5	806.2	749.0	725.3	575.9	623.1	650.6	670.4	691.8
60°	6913.3	4631.2	1048.0	829.8	690.3	723.8	582.7	584.2	631.5	665.1	686.5
62.5°	6322.2	3999.7	736.0	762.7	647.6	683.4	598.7	538.5	598.0	638.4	657.5
65°	5644.9	3256.8	561.4	656.7	627.0	620.9	604.1	498.1	552.2	591.9	608.7
67.5°	4939.4	2531.5	456.1	489.7	566.7	561.4	552.2	462.2	498.1	526.3	545.3
70°	4050.8	1771.0	385.2	367.6	485.9	503.4	482.8	417.2	428.6	457.6	472.9
72.5°	2963.2	1103.7	316.5	303.6	390.5	440.1	429.4	367.6	373.0	400.4	412.6
75°	2131.0	631.5	254.0	250.2	298.2	376.8	355.4	316.5	322.6	343.2	351.6
77.5°	1354.6	351.6	196.0	201.4	213.6	281.4	303.6	270.8	270.8	283.0	289.8
80°	725.3	201.4	143.4	145.7	149.5	215.1	239.5	209.7	209.7	201.4	209.7
82.5°	295.9	115.9	98.4	91.5	99.9	147.2	167.8	133.5	139.6	125.8	128.9
85°	97.6	58.0	48.8	48.1	47.3	64.8	80.8	66.4	79.3	50.3	52.6
87.5°	13.0	10.7	6.1	4.6	5.3	2.3	4.6	5.3	5.3	3.8	3.8
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°	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1
2.5°	1229.5	1223.4	1201.3	1206.6	1202.8	1196.7	1202.8	1191.4	1200.5	1203.6	1222.6
5°	1149.4	1134.9	1113.6	1102.9	1100.6	1094.5	1095.3	1089.9	1091.5	1104.4	1125.8
7.5°	1077.7	1064.0	1047.2	1039.6	1032.7	1025.9	1025.1	1024.3	1030.4	1041.9	1062.5
10°	1025.9	1018.2	1011.4	1014.4	1011.4	1008.3	1003.0	1003.0	1012.9	1033.5	1058.7
12.5°	1025.9	1024.3	1025.9	1035.0	1034.3	1035.0	1028.1	1032.0	1059.4	1094.5	1130.4
15°	1080.8	1068.6	1068.6	1073.2	1071.6	1071.6	1071.6	1087.6	1150.2	1204.3	1242.5
17.5°	1147.9	1112.0	1096.8	1094.5	1093.7	1093.7	1096.8	1131.1	1228.7	1285.9	1308.1
20°	1194.4	1126.5	1101.4	1091.5	1092.2	1093.7	1102.9	1150.2	1257.7	1286.7	1281.4
22.5°	1202.8	1115.1	1084.6	1070.1	1072.4	1073.9	1087.6	1138.0	1218.1	1222.6	1212.0
25°	1163.9	1083.1	1050.3	1038.8	1041.9	1041.1	1053.3	1089.9	1147.1	1145.6	1139.5
27.5°	1105.9	1032.0	1007.6	999.9	1005.3	999.2	1003.0	1031.2	1075.4	1073.9	1071.6
30°	1046.5	982.4	960.3	956.5	963.3	954.2	954.9	978.6	1009.1	1007.6	1006.8
32.5°	987.0	932.8	913.0	913.0	919.8	909.9	911.5	932.0	952.6	946.5	946.5
35°	930.5	892.4	876.4	873.3	878.7	871.8	874.8	893.9	901.5	893.1	887.8
37.5°	880.9	864.2	848.1	837.5	838.2	839.0	848.1	862.6	858.1	845.9	839.0
40°	835.2	835.2	819.9	800.1	797.8	803.1	818.4	834.4	821.5	807.7	799.3
42.5°	802.4	809.2	794.8	774.9	770.3	779.5	796.3	807.7	792.5	777.2	765.8
45°	771.9	788.7	778.7	756.6	750.5	761.2	782.6	787.1	766.5	752.0	743.7
47.5°	750.5	773.4	766.5	745.2	736.0	751.3	773.4	772.6	746.7	731.5	724.6
50°	735.3	764.2	763.5	745.2	735.3	754.3	774.2	764.2	736.0	720.0	713.1
52.5°	723.1	763.5	768.8	758.1	751.3	768.1	780.3	761.2	728.4	711.6	706.3
55°	717.7	766.5	770.3	760.4	754.3	769.6	780.3	767.3	728.4	713.1	708.6
57.5°	719.2	762.7	763.5	749.8	739.1	758.1	774.9	771.1	736.8	719.2	713.9
60°	710.1	742.1	743.7	722.3	710.1	733.0	762.7	760.4	733.0	714.7	704.8
62.5°	679.6	707.8	708.6	688.7	671.2	704.0	736.8	736.0	710.9	692.6	681.1
65°	628.5	658.2	665.9	646.8	633.1	668.1	702.5	700.9	675.8	659.0	647.6
67.5°	565.2	597.2	611.7	598.7	593.4	625.4	657.5	656.7	636.1	620.1	610.2
70°	488.1	514.8	539.2	539.2	535.4	572.0	606.4	603.3	584.2	572.0	564.4
72.5°	424.1	444.7	452.3	459.9	471.4	509.5	538.5	540.8	527.0	520.9	527.0
75°	360.8	373.7	380.6	374.5	394.3	434.0	472.1	475.9	461.4	451.5	453.8
77.5°	296.7	311.2	318.1	304.3	302.8	353.1	399.7	408.1	395.9	380.6	385.2
80°	214.3	233.4	244.8	235.7	232.6	254.7	318.8	328.0	316.5	304.3	311.2
82.5°	131.2	141.9	144.9	154.1	173.1	182.3	205.2	235.7	227.3	216.6	235.7
85°	51.9	61.8	68.6	77.8	90.8	107.5	126.6	151.0	137.3	132.7	156.4
87.5°	3.1	0.8	0.0	1.5	13.0	25.2	54.2	74.7	62.5	67.1	80.8
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: P634361
 CATALOG NUMBER: GWS-SA3B-750-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1	1337.1
2.5°	1237.9	1257.7	1284.4	1306.5	1334.8	1361.5	1388.9	1416.4	1430.9	1437.0
5°	1150.2	1186.8	1229.5	1276.8	1331.7	1389.7	1448.4	1508.7	1546.8	1549.9
7.5°	1097.6	1150.2	1208.9	1268.4	1336.3	1416.4	1509.4	1602.5	1641.4	1652.1
10°	1114.3	1173.1	1219.6	1275.3	1350.0	1449.9	1559.8	1668.8	1713.8	1726.8
12.5°	1181.5	1192.9	1207.4	1258.5	1350.0	1478.9	1611.6	1741.3	1789.3	1801.5
15°	1237.1	1182.2	1156.3	1210.4	1331.7	1504.1	1666.5	1809.9	1867.9	1879.3
17.5°	1241.7	1147.1	1090.7	1139.5	1299.7	1521.6	1719.2	1886.2	1935.0	1945.7
20°	1195.2	1109.8	1036.5	1066.3	1256.2	1529.3	1757.3	1941.9	1989.9	2000.6
22.5°	1142.6	1079.3	999.9	998.4	1203.6	1537.6	1803.1	1994.5	2046.4	2053.2
25°	1093.0	1037.3	970.2	948.8	1142.6	1553.7	1864.9	2073.8	2113.5	2115.8
27.5°	1035.0	992.3	946.5	925.9	1089.2	1584.2	1956.4	2168.4	2192.1	2188.3
30°	982.4	950.4	929.8	923.7	1055.6	1607.1	2043.3	2261.5	2263.0	2250.0
32.5°	926.7	914.5	914.5	934.3	1028.1	1601.7	2114.3	2352.2	2337.7	2318.7
35°	877.1	879.4	895.4	942.0	982.4	1548.3	2182.1	2465.9	2444.5	2417.1
37.5°	829.8	847.4	870.3	915.3	922.1	1469.0	2261.5	2626.8	2600.1	2565.8
40°	789.4	816.1	842.8	864.9	858.1	1356.1	2372.1	2816.0	2786.2	2746.6
42.5°	757.4	783.3	813.1	815.4	817.6	1238.7	2489.5	3047.8	3042.5	2999.0
45°	736.8	753.6	781.8	778.0	815.4	1109.0	2597.8	3401.7	3471.9	3439.1
47.5°	723.1	736.0	739.1	755.1	835.2	993.1	2737.4	4094.3	4289.5	4252.2
50°	715.4	728.4	694.1	756.6	838.2	918.3	2930.4	4963.8	5278.0	5228.5
52.5°	714.7	711.6	659.8	772.6	821.5	872.6	3031.1	5598.4	6295.5	6403.1
55°	716.2	678.1	642.2	777.2	787.9	855.8	2693.9	5903.5	7234.4	7461.7
57.5°	702.5	641.4	652.1	758.9	724.6	900.8	1991.5	5794.4	7609.7	8032.2
60°	676.5	606.4	670.4	709.3	659.8	823.7	1371.4	5307.8	7220.7	7655.4
62.5°	639.2	582.0	668.1	645.3	636.1	674.2	942.7	4626.7	6603.6	7028.5
65°	597.2	562.1	632.3	583.5	588.8	518.7	666.6	3857.8	5866.9	6284.8
67.5°	552.2	549.9	579.7	519.4	497.3	411.1	485.9	3092.1	4920.3	5297.1
70°	501.1	517.9	527.0	461.4	403.5	322.6	360.8	2162.3	3629.8	3957.8
72.5°	450.0	451.5	464.5	401.2	302.0	258.6	270.8	1309.6	2465.9	2704.6
75°	398.1	383.6	395.9	326.4	225.0	212.0	209.0	809.2	1703.2	1891.6
77.5°	342.5	326.4	310.4	245.6	180.8	164.0	160.2	453.8	1044.9	1160.9
80°	278.4	257.0	231.9	180.0	132.0	117.5	116.7	221.2	520.9	580.4
82.5°	216.6	176.2	169.3	112.1	81.6	71.7	76.3	84.7	157.1	175.4
85°	151.8	128.1	90.0	45.0	36.6	29.7	29.0	25.2	41.9	46.5
87.5°	84.7	55.7	29.0	5.3	6.1	6.9	5.3	3.8	3.8	3.8
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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