

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: P641783

Luminaire Tested: GWS-SA6B-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11554.3 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

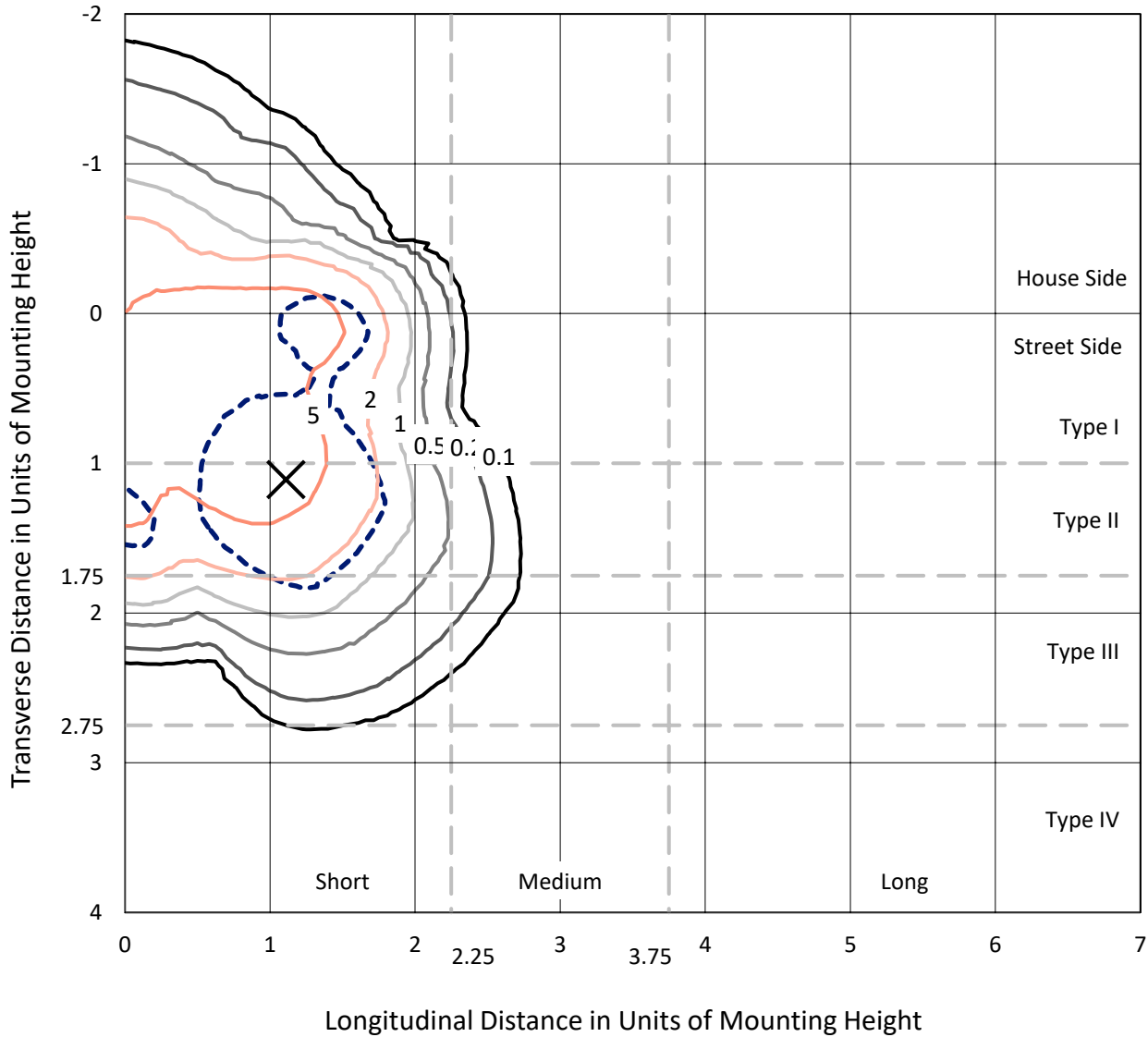
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

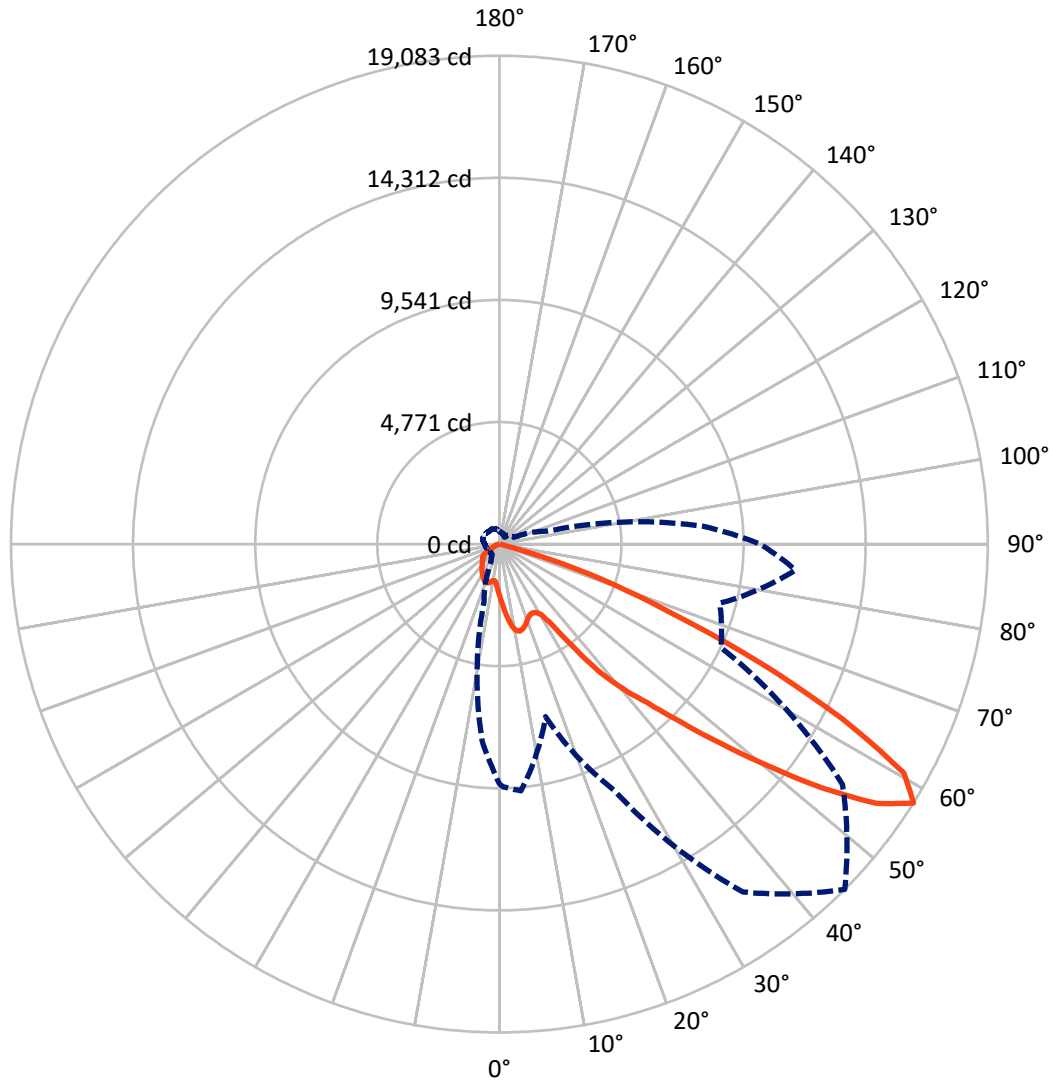
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2587.3	0.0	2587.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	8967.0	0.0	8967.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	11554.3	0.0	11554.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.8	1.7
10°-20°	646.3	5.6
20°-30°	1049.9	9.1
30°-40°	1622.2	14.0
40°-50°	2601.2	22.5
50°-60°	3555.1	30.8
60°-70°	1721.8	14.9
70°-80°	157.7	1.4
80°-90°	0.5	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°	11554.3	100.0
0°-180°	11554.3	100.0

Coefficient of Utilization



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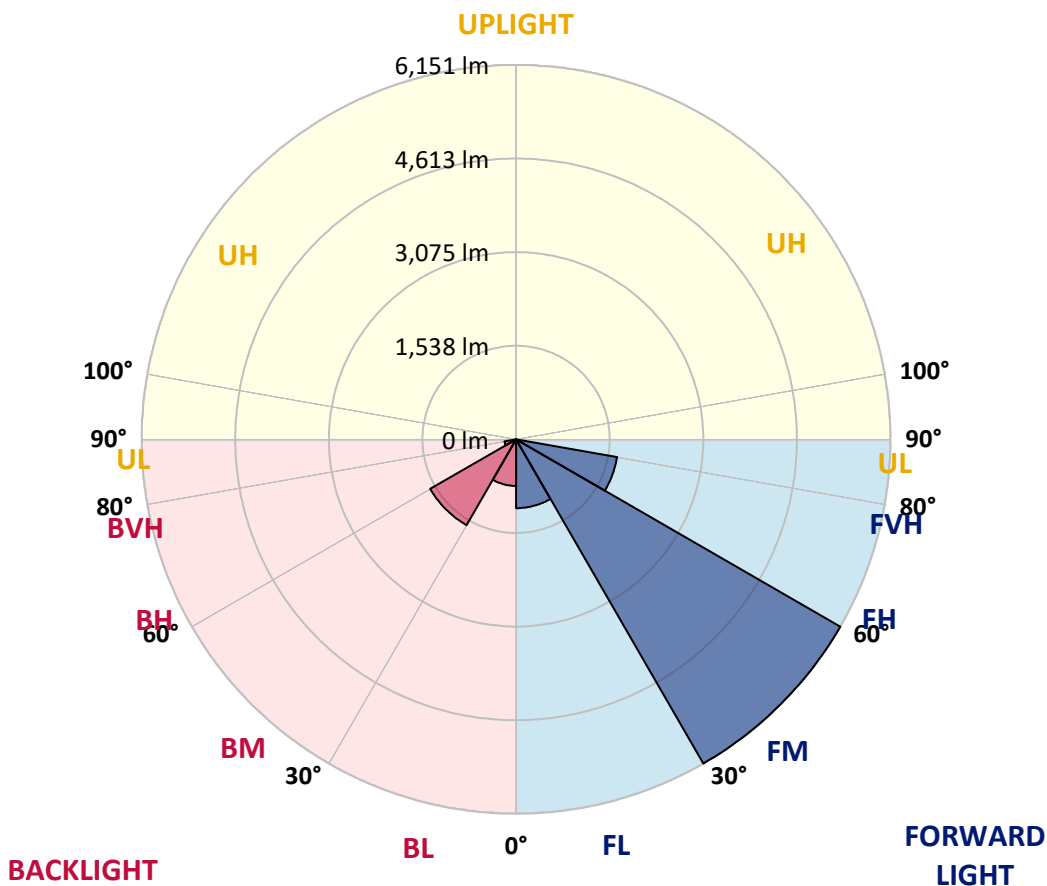
CATALOG NUMBER: GWS-SA6B-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.4	9.8			
FM (30°-60°)	6150.6	53.2			
FH (60°-80°)	1685.6	14.6			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	765.6	6.6	B2/1000		
BM (30°-60°)	1627.8	14.1	B2/2500		
BH (60°-80°)	193.9	1.7	B1/500		G1/500
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: 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°	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8
2.5°	2200.0	2214.0	2237.3	2287.0	2328.9	2356.8	2369.3	2366.2	2349.1	2336.7	2311.8
5°	2436.0	2436.0	2481.0	2594.4	2681.3	2735.7	2763.6	2746.5	2712.4	2658.0	2574.2
7.5°	2642.5	2650.3	2726.4	2887.8	3019.8	3097.4	3142.4	3133.1	3072.6	2968.6	2800.9
10°	2804.0	2813.3	2914.2	3111.4	3266.7	3345.8	3412.6	3418.8	3352.0	3213.9	3021.3
12.5°	2960.8	2970.1	3075.7	3265.1	3401.7	3434.3	3493.3	3516.6	3499.5	3401.7	3201.4
15°	3130.0	3151.8	3241.8	3383.1	3440.5	3401.7	3440.5	3482.5	3539.9	3530.6	3350.5
17.5°	3296.2	3311.7	3403.3	3453.0	3389.3	3288.4	3307.0	3356.7	3487.1	3614.4	3498.0
20°	3449.9	3471.6	3547.7	3482.5	3289.9	3133.1	3134.7	3199.9	3398.6	3665.7	3648.6
22.5°	3611.3	3643.9	3698.3	3515.1	3198.3	3010.5	3018.2	3077.2	3328.8	3713.8	3819.4
25°	3822.5	3853.5	3889.2	3595.8	3168.8	2949.9	2979.4	3033.8	3328.8	3796.1	4030.5
27.5°	4108.2	4129.9	4131.5	3746.4	3220.1	2959.2	3021.3	3083.5	3428.1	3960.7	4313.1
30°	4466.8	4501.0	4455.9	3980.8	3380.0	3083.5	3175.1	3252.7	3642.4	4238.6	4729.2
32.5°	4903.1	4951.2	4890.7	4328.6	3713.8	3512.0	3678.1	3723.1	3984.0	4640.7	5201.2
35°	5415.4	5455.8	5390.6	4809.9	4493.2	4530.5	4831.7	4774.2	4670.2	5136.0	5752.4
37.5°	5977.5	6014.7	5889.0	5539.7	5645.2	5806.7	6288.0	6090.8	5755.5	5774.1	6350.1
40°	6492.9	6533.3	6336.1	6333.0	6550.4	6845.4	7426.1	7154.4	6697.9	6609.4	6910.6
42.5°	7027.0	7055.0	6876.4	6755.3	7249.1	7856.1	8470.9	8104.5	7322.0	7225.8	7612.4
45°	7789.4	7848.4	7530.1	6963.4	7877.9	9019.0	9876.0	9160.3	7747.4	7669.8	8686.8
47.5°	8910.3	8953.8	8304.8	7093.8	8463.2	10467.6	11632.0	10529.7	8121.6	7944.6	10155.5
50°	9837.2	9866.7	9017.5	7236.6	9085.8	12029.5	13633.3	12153.7	8542.4	8399.5	11526.5
52.5°	10520.4	10632.2	9953.7	7530.1	9904.0	13866.2	15848.9	14077.4	9199.1	9278.3	12663.0
55°	10661.7	10813.8	10593.3	7710.2	10624.4	15737.1	17895.2	15799.2	9854.3	9944.4	13044.9
57.5°	9369.9	9491.0	9674.2	6983.6	10607.3	16594.1	19082.9	16370.5	9556.2	8918.1	11615.0
60°	7019.3	7103.1	7435.4	5337.8	9754.9	15836.5	18157.6	15398.6	8356.1	6805.0	8849.8
62.5°	4162.5	4199.8	4620.5	3457.6	8096.8	13638.0	15058.6	13287.1	6603.2	4577.0	5420.1
65°	1597.6	1582.1	1903.5	1706.3	5954.2	10863.5	11200.4	10129.1	4530.5	2097.6	2066.5
67.5°	246.9	236.0	318.3	504.6	4294.5	7528.5	7390.3	7300.3	2838.1	489.1	427.0
70°	55.9	55.9	68.3	149.0	2623.9	4423.3	4733.9	4513.4	1816.5	104.0	55.9
72.5°	26.4	26.4	32.6	63.7	950.2	1822.7	2123.9	2091.3	590.0	34.2	20.2
75°	9.3	10.9	10.9	14.0	57.4	94.7	217.4	155.3	37.3	0.0	0.0
77.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8
2.5°	2257.5	2246.6	2206.2	2151.9	2099.1	2052.5	2004.4	1947.0	1905.0	1856.9	1841.4
5°	2509.0	2440.7	2330.4	2215.6	2110.0	2019.9	1933.0	1839.8	1771.5	1703.2	1679.9
7.5°	2721.7	2620.8	2442.2	2269.9	2125.5	1998.2	1872.4	1745.1	1645.7	1565.0	1540.2
10°	2912.7	2796.2	2557.1	2344.4	2162.8	2015.3	1863.1	1703.2	1574.3	1478.1	1454.8
12.5°	3077.2	2942.2	2654.9	2400.3	2178.3	2009.1	1861.6	1734.2	1617.8	1507.6	1478.1
15°	3215.4	3066.4	2737.2	2437.6	2155.0	1931.4	1802.6	1782.4	1773.1	1652.0	1594.5
17.5°	3350.5	3182.8	2804.0	2454.7	2089.8	1794.8	1701.6	1793.2	1891.1	1811.9	1738.9
20°	3491.8	3300.8	2872.3	2457.8	1981.1	1641.1	1625.6	1770.0	1894.2	1869.3	1801.0
22.5°	3657.9	3448.3	2957.7	2456.2	1844.5	1510.7	1569.7	1724.9	1825.8	1824.3	1770.0
25°	3898.6	3634.6	3072.6	2465.5	1695.4	1409.8	1507.6	1648.9	1731.1	1728.0	1683.0
27.5°	4156.3	3856.6	3221.6	2488.8	1568.1	1350.8	1434.6	1544.8	1616.2	1613.1	1574.3
30°	4518.0	4112.8	3364.5	2490.4	1476.5	1319.7	1353.9	1429.9	1498.3	1490.5	1461.0
32.5°	4957.4	4401.6	3484.0	2401.9	1419.1	1290.2	1270.0	1308.8	1361.6	1350.8	1343.0
35°	5488.4	4744.7	3586.5	2207.8	1330.6	1231.2	1176.9	1184.6	1221.9	1228.1	1225.0
37.5°	6093.9	5153.1	3713.8	1951.6	1211.0	1145.8	1072.8	1066.6	1088.4	1108.6	1124.1
40°	6691.7	5612.6	3886.1	1692.3	1102.3	1037.1	967.3	951.7	961.1	996.8	1029.4
42.5°	7364.0	6145.2	4072.5	1470.3	1027.8	917.6	850.8	821.3	847.7	905.2	944.0
45°	8332.8	6892.0	4254.1	1293.3	996.8	812.0	722.0	718.9	748.4	822.9	866.3
47.5°	9692.8	7857.7	4373.7	1155.1	995.2	729.7	622.6	641.2	675.4	748.4	798.0
50°	11018.8	9067.1	4241.7	1049.6	962.6	675.4	548.1	585.3	619.5	683.1	734.4
52.5°	11818.3	9717.7	3727.8	950.2	861.7	650.5	475.1	540.3	546.5	604.0	658.3
55°	11734.5	9296.9	2855.2	796.5	712.6	614.8	399.0	487.5	490.6	534.1	580.7
57.5°	10185.0	7981.9	1960.9	645.9	535.6	507.7	329.1	411.4	440.9	467.3	501.5
60°	7590.6	5823.8	874.1	524.8	340.0	343.1	281.0	310.5	355.5	386.6	416.1
62.5°	4473.0	3350.5	355.5	315.2	187.9	215.8	226.7	226.7	254.6	277.9	296.5
65°	1690.8	1172.2	144.4	158.4	97.8	100.9	133.5	164.6	186.3	206.5	231.3
67.5°	296.5	204.9	74.5	59.0	57.4	51.2	68.3	107.1	119.5	135.1	145.9
70°	49.7	41.9	31.1	29.5	26.4	27.9	45.0	76.1	83.8	88.5	93.2
72.5°	14.0	12.4	9.3	7.8	6.2	7.8	27.9	59.0	62.1	65.2	69.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	10.9	41.9	45.0	46.6	51.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	12.4	15.5	12.4
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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8
2.5°	1832.1	1801.0	1783.9	1774.6	1774.6	1762.2	1748.2	1743.6	1763.7	1763.7	1797.9
5°	1650.4	1625.6	1597.6	1580.5	1554.1	1558.8	1543.3	1541.7	1561.9	1571.2	1606.9
7.5°	1524.6	1493.6	1476.5	1465.6	1451.7	1445.5	1431.5	1426.8	1437.7	1453.2	1487.4
10°	1440.8	1436.1	1434.6	1442.4	1442.4	1434.6	1422.2	1414.4	1417.5	1447.0	1485.8
12.5°	1462.5	1471.9	1475.0	1487.4	1493.6	1487.4	1478.1	1481.2	1501.4	1555.7	1613.1
15°	1557.3	1549.5	1546.4	1552.6	1557.3	1551.0	1547.9	1571.2	1641.1	1718.7	1783.9
17.5°	1658.2	1608.5	1586.8	1586.8	1589.9	1586.8	1589.9	1634.9	1748.2	1825.8	1874.0
20°	1709.4	1617.8	1583.6	1575.9	1582.1	1583.6	1594.5	1645.7	1770.0	1824.3	1835.2
22.5°	1693.9	1579.0	1540.2	1534.0	1540.2	1546.4	1557.3	1600.7	1717.2	1745.1	1740.5
25°	1616.2	1502.9	1471.9	1471.9	1485.8	1484.3	1488.9	1520.0	1616.2	1633.3	1625.6
27.5°	1518.4	1411.3	1384.9	1400.4	1412.9	1409.8	1411.3	1437.7	1509.1	1513.8	1506.0
30°	1419.1	1325.9	1301.1	1319.7	1336.8	1333.7	1335.2	1361.6	1406.6	1402.0	1391.1
32.5°	1318.2	1249.8	1231.2	1242.1	1268.5	1265.4	1271.6	1299.5	1316.6	1296.4	1284.0
35°	1225.0	1189.3	1175.3	1181.5	1201.7	1206.4	1217.2	1235.9	1235.9	1211.0	1189.3
37.5°	1138.1	1133.4	1124.1	1116.3	1134.9	1148.9	1164.4	1186.2	1155.1	1119.4	1099.2
40°	1057.3	1077.5	1065.1	1044.9	1055.8	1075.9	1107.0	1124.1	1086.8	1051.1	1016.9
42.5°	982.8	1016.9	1012.3	987.4	996.8	1015.4	1051.1	1065.1	1021.6	981.2	948.6
45°	911.4	959.5	962.6	931.6	940.9	959.5	1001.4	1006.1	950.2	906.7	883.4
47.5°	849.3	902.1	903.6	880.3	883.4	909.8	948.6	950.2	886.5	846.2	816.7
50°	790.3	850.8	855.5	835.3	838.4	869.5	902.1	895.8	827.5	785.6	759.2
52.5°	718.9	801.1	812.0	802.7	815.1	840.0	860.1	838.4	759.2	717.3	694.0
55°	641.2	748.4	771.6	765.4	779.4	799.6	804.2	790.3	690.9	649.0	627.2
57.5°	551.2	616.4	656.7	644.3	655.2	675.4	689.4	678.5	604.0	571.4	552.7
60°	456.5	499.9	509.3	489.1	479.8	515.5	548.1	534.1	470.4	450.3	428.5
62.5°	333.8	383.5	389.7	363.3	352.4	391.3	419.2	405.2	335.4	313.6	296.5
65°	267.0	313.6	326.0	301.2	295.0	324.5	341.6	307.4	257.7	234.4	215.8
67.5°	175.4	212.7	245.3	243.8	231.3	240.7	228.2	200.3	164.6	152.2	139.7
70°	108.7	130.4	150.6	158.4	156.8	153.7	136.6	116.4	105.6	100.9	94.7
72.5°	83.8	105.6	121.1	125.8	127.3	122.7	108.7	90.1	79.2	73.0	68.3
75°	62.1	79.2	91.6	97.8	100.9	97.8	83.8	71.4	60.6	55.9	51.2
77.5°	21.7	26.4	32.6	35.7	34.2	32.6	29.5	29.5	23.3	21.7	18.6
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: P641783

CATALOG NUMBER: GWS-SA6B-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8
2.5°	1836.7	1864.7	1915.9	1962.5	2012.2	2063.4	2119.3	2176.7	2203.1	2200.0
5°	1661.3	1721.8	1805.7	1897.3	1999.7	2110.0	2232.6	2358.4	2412.7	2436.0
7.5°	1551.0	1636.4	1746.7	1863.1	1998.2	2155.0	2339.8	2536.9	2616.1	2642.5
10°	1565.0	1664.4	1756.0	1869.3	2013.7	2217.1	2446.9	2681.3	2774.5	2804.0
12.5°	1678.4	1700.1	1724.9	1818.1	1999.7	2263.7	2544.7	2824.2	2931.3	2960.8
15°	1780.8	1679.9	1633.3	1718.7	1950.1	2296.3	2644.1	2977.9	3095.9	3130.0
17.5°	1785.5	1633.3	1529.3	1596.1	1869.3	2310.3	2741.9	3134.7	3263.6	3296.2
20°	1728.0	1582.1	1448.6	1450.1	1759.1	2307.2	2822.6	3276.0	3420.4	3449.9
22.5°	1644.2	1521.5	1383.4	1335.2	1641.1	2300.9	2911.1	3426.6	3583.4	3611.3
25°	1551.0	1443.9	1321.3	1248.3	1523.1	2307.2	3035.3	3623.8	3796.1	3822.5
27.5°	1450.1	1358.5	1273.1	1214.1	1423.7	2330.4	3184.4	3875.3	4080.2	4108.2
30°	1344.5	1276.2	1242.1	1206.4	1361.6	2336.7	3345.8	4168.7	4428.0	4466.8
32.5°	1240.5	1203.3	1204.8	1211.0	1302.6	2293.2	3493.3	4494.8	4841.0	4903.1
35°	1144.3	1133.4	1164.4	1195.5	1217.2	2181.4	3622.2	4879.8	5351.8	5415.4
37.5°	1062.0	1071.3	1110.1	1141.2	1124.1	2023.0	3793.0	5361.1	5923.1	5977.5
40°	982.8	1006.1	1051.1	1065.1	1052.7	1838.3	3997.9	5825.3	6418.4	6492.9
42.5°	909.8	926.9	990.6	993.7	1032.5	1650.4	4195.1	6325.3	6988.2	7027.0
45°	850.8	847.7	912.9	933.1	1058.9	1442.4	4387.6	6991.3	7733.5	7789.4
47.5°	793.4	790.3	805.8	897.4	1069.7	1249.8	4578.6	7966.4	8814.1	8910.3
50°	739.0	743.7	695.6	880.3	1010.7	1102.3	4665.5	8868.4	9796.9	9837.2
52.5°	690.9	673.8	590.0	824.4	885.0	962.6	4418.7	9278.3	10405.5	10520.4
55°	622.6	527.9	486.0	669.2	698.7	840.0	3619.1	9040.8	10458.3	10661.7
57.5°	532.5	414.5	413.0	493.7	493.7	779.4	2318.0	7724.2	9012.8	9369.9
60°	409.9	321.4	341.6	343.1	316.7	568.2	1301.1	5595.5	6663.7	7019.3
62.5°	291.9	245.3	257.7	204.9	181.7	284.1	624.1	3221.6	4112.8	4162.5
65°	195.6	166.1	135.1	113.3	111.8	121.1	257.7	1164.4	1416.0	1597.6
67.5°	128.9	100.9	71.4	71.4	80.7	80.7	97.8	192.5	270.2	246.9
70°	83.8	69.9	45.0	43.5	52.8	52.8	49.7	52.8	55.9	55.9
72.5°	62.1	52.8	26.4	23.3	29.5	31.1	27.9	26.4	26.4	26.4
75°	46.6	37.3	15.5	10.9	14.0	18.6	15.5	10.9	10.9	9.3
77.5°	18.6	14.0	6.2	4.7	7.8	10.9	9.3	4.7	3.1	3.1
80°	1.6	3.1	3.1	3.1	4.7	6.2	7.8	3.1	1.6	1.6
82.5°	0.0	1.6	1.6	1.6	3.1	4.7	6.2	3.1	1.6	1.6
85°	0.0	0.0	0.0	0.0	3.1	4.7	3.1	1.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.6	4.7	3.1	1.6	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)