

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: P634354

Luminaire Tested: GWS-SA3B-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5705.3 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

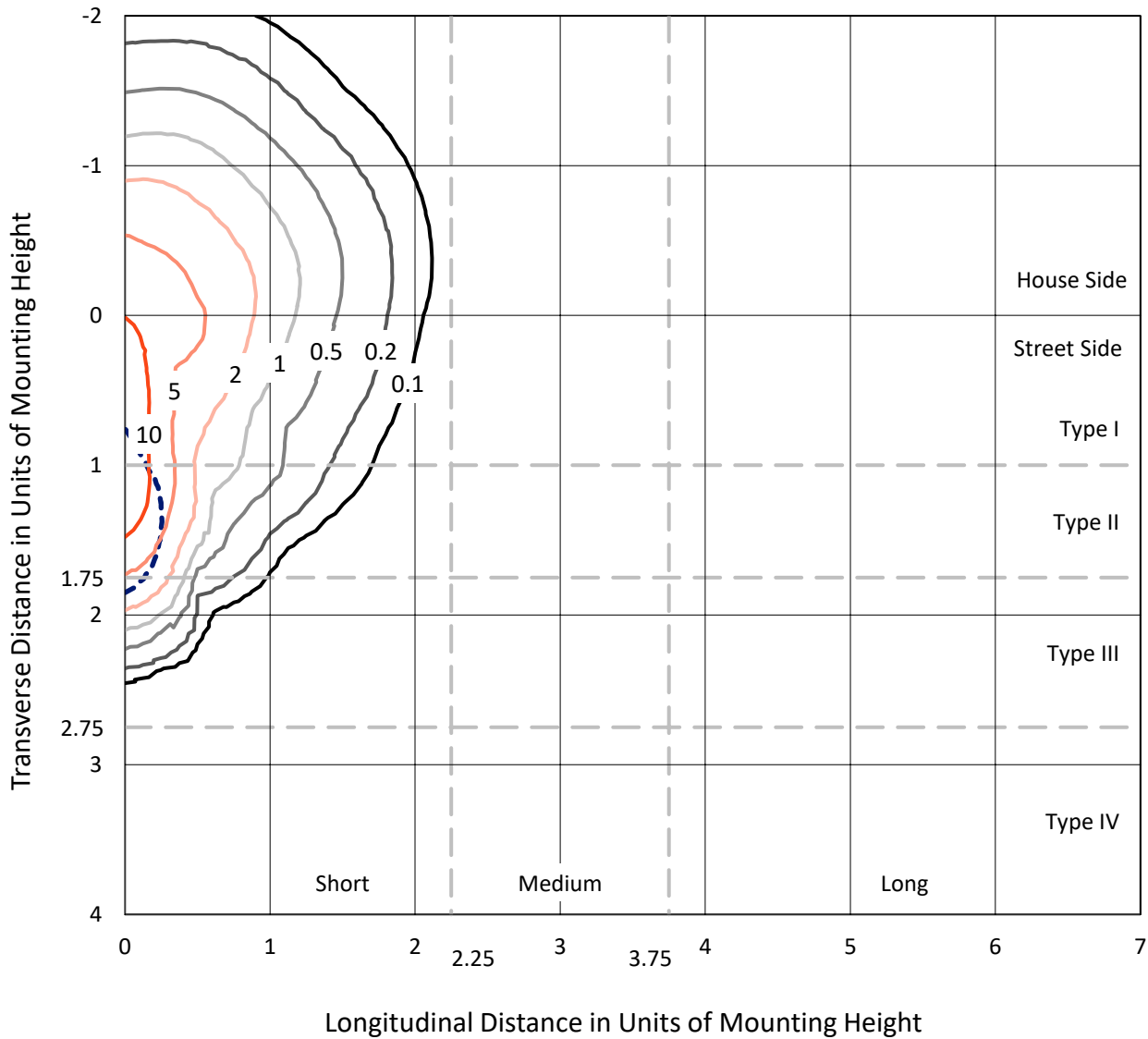
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634354
 CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

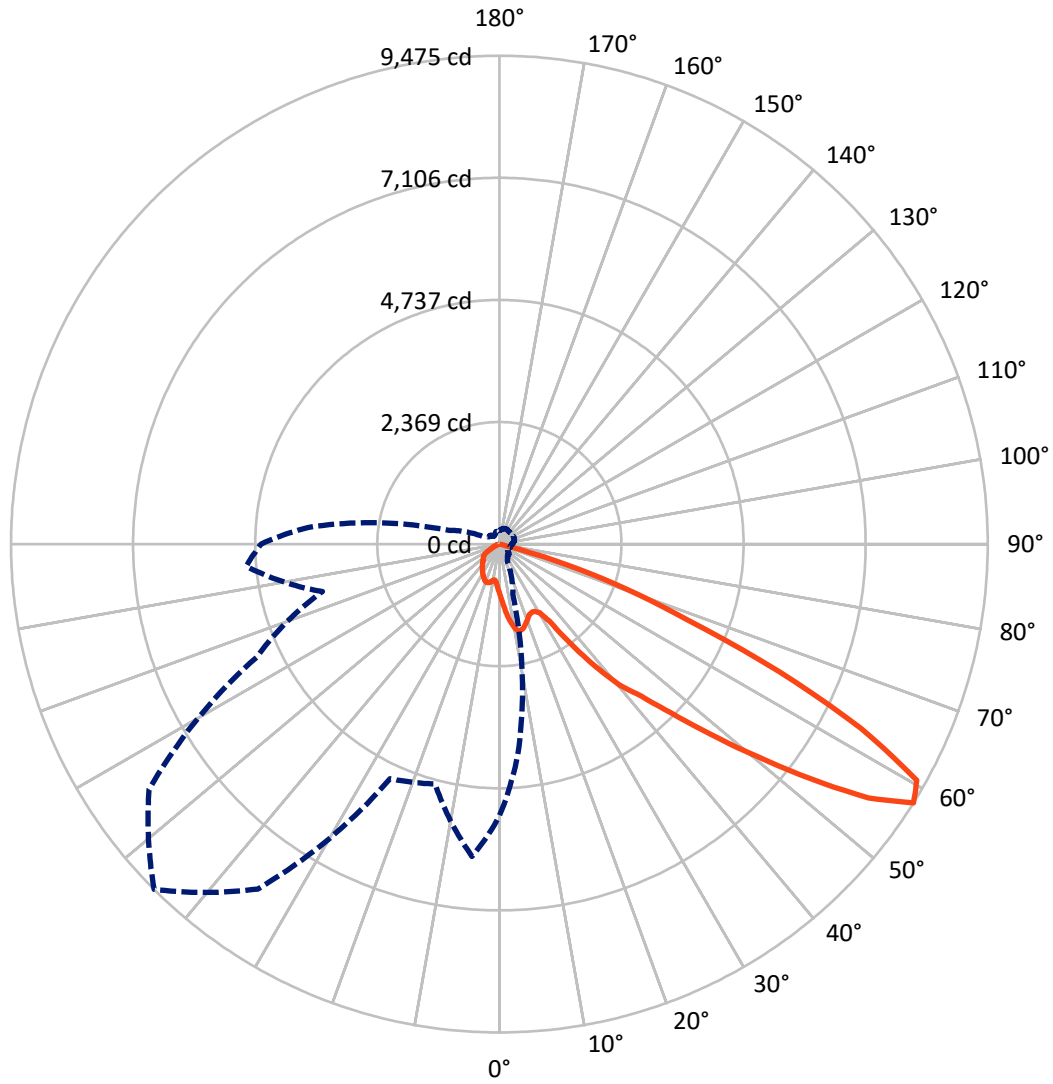
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type III - Short - N/A

REPORT NUMBER: P634354
CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634354

CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

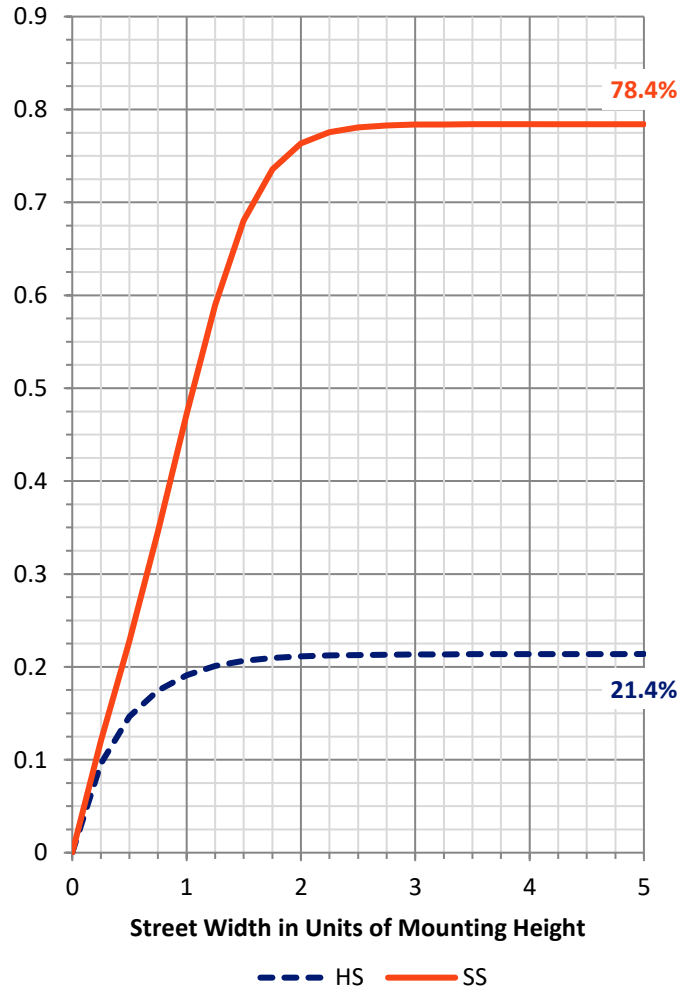
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1229.1	0.0	1229.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4476.2	0.0	4476.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	5705.3	0.0	5705.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	1.7
10°-20°	315.3	5.5
20°-30°	511.7	9.0
30°-40°	785.3	13.8
40°-50°	1254.2	22.0
50°-60°	1756.0	30.8
60°-70°	900.4	15.8
70°-80°	86.7	1.5
80°-90°	0.0	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°	5705.3	100.0
0°-180°	5705.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634354

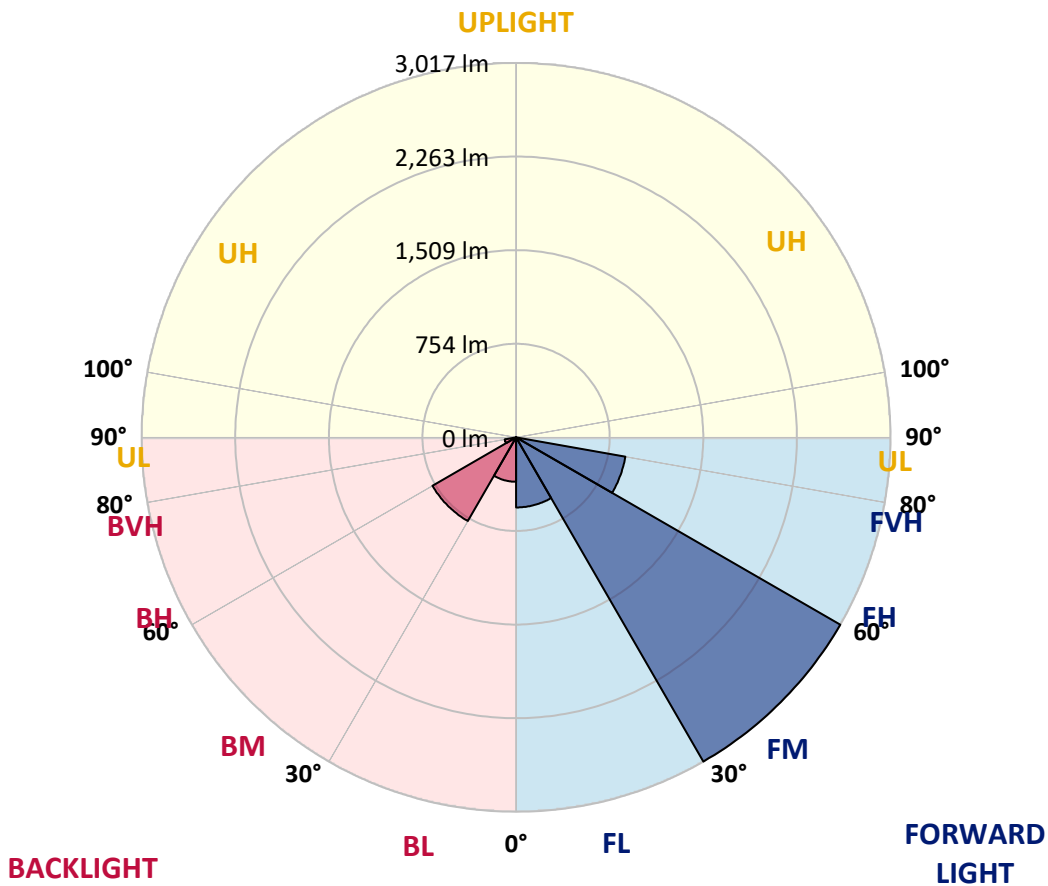
CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	564.9	9.9			
FM (30°-60°)	3017.1	52.9			
FH (60°-80°)	894.2	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	357.9	6.3	B1/500		
BM (30°-60°)	778.4	13.6	B1/1000		
BH (60°-80°)	92.8	1.6	B0/110		G0/110
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: B1-U0-G1

Type III Short





REPORT NUMBER: P634354

CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4
2.5°	1077.0	1074.7	1067.0	1041.1	1025.1	999.9	981.6	958.0	932.0	916.0	900.0
5°	1191.4	1185.3	1164.7	1105.2	1059.4	1009.8	970.2	926.7	880.2	849.7	821.4
7.5°	1301.2	1292.0	1264.6	1163.9	1094.5	1023.6	967.1	903.8	838.2	792.5	757.4
10°	1408.7	1388.1	1344.7	1221.1	1127.3	1041.9	975.5	903.1	826.0	768.1	729.2
12.5°	1497.2	1482.0	1422.5	1275.3	1154.8	1045.7	964.1	897.0	845.1	806.2	770.3
15°	1573.5	1556.7	1500.3	1324.1	1178.4	1030.4	916.0	857.3	865.7	880.9	850.4
17.5°	1643.7	1626.1	1565.1	1364.5	1187.6	993.1	848.9	820.7	867.2	924.4	913.0
20°	1716.1	1696.3	1621.5	1397.3	1184.5	934.3	781.0	789.4	855.0	920.6	926.7
22.5°	1800.8	1780.2	1693.2	1439.2	1182.2	864.2	722.3	762.0	832.1	887.8	898.5
25°	1912.9	1888.5	1793.2	1501.0	1188.3	800.1	680.3	735.3	793.2	843.6	849.7
27.5°	2060.9	2029.6	1908.3	1577.3	1201.3	749.8	662.0	698.6	743.7	788.7	794.0
30°	2253.8	2214.2	2040.3	1643.7	1195.2	714.7	649.8	662.0	688.7	725.3	726.1
32.5°	2479.6	2425.4	2188.2	1700.9	1142.6	688.7	633.1	624.7	630.8	659.0	664.3
35°	2745.0	2674.9	2351.5	1755.0	1046.4	638.4	602.5	574.3	572.0	585.8	598.7
37.5°	3049.3	2965.4	2557.4	1824.4	932.8	585.8	557.5	529.3	517.1	524.0	543.8
40°	3330.0	3237.0	2772.5	1908.3	816.9	538.5	504.9	475.9	461.4	463.7	488.1
42.5°	3659.5	3563.4	3035.6	2018.2	720.8	506.4	450.0	420.3	401.2	411.9	440.1
45°	4159.9	4050.8	3419.3	2113.5	644.5	498.8	402.0	360.0	350.9	369.2	402.7
47.5°	4843.3	4709.8	3946.3	2171.5	579.7	505.7	368.4	311.2	313.5	334.1	367.6
50°	5521.3	5377.2	4555.7	2095.2	526.3	492.0	351.6	273.1	287.5	305.9	336.4
52.5°	5987.3	5799.7	4852.4	1874.8	477.5	440.1	350.1	237.2	264.7	270.8	296.7
55°	6005.6	5774.5	4700.6	1478.1	411.1	371.4	334.1	207.5	239.5	241.8	263.9
57.5°	5264.3	5055.3	4108.0	1015.2	365.3	272.3	266.2	181.5	196.8	215.8	229.6
60°	4005.0	3827.3	3072.2	465.3	277.6	173.1	182.3	156.4	147.2	175.4	189.2
62.5°	2452.9	2339.3	1842.7	205.9	177.0	92.3	110.6	124.3	110.6	121.3	132.7
65°	974.0	923.7	699.4	87.7	72.5	46.5	50.3	72.5	77.8	85.4	96.1
67.5°	169.3	160.2	117.5	38.9	29.7	28.2	24.4	33.6	47.3	52.6	61.0
70°	22.1	21.4	19.1	16.0	15.3	13.7	10.7	21.4	32.0	33.6	38.9
72.5°	5.3	4.6	4.6	3.8	4.6	1.5	1.5	11.4	22.9	23.6	27.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14.5	16.0	19.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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: P634354
 CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4
2.5°	887.0	871.8	866.4	858.8	848.9	852.0	838.2	833.7	840.5	849.7	847.4
5°	806.2	789.4	778.0	760.4	757.4	750.5	745.9	739.8	747.5	758.1	760.4
7.5°	742.1	727.6	716.2	710.9	707.0	704.0	694.8	690.3	690.3	694.8	698.6
10°	714.7	704.0	701.7	703.2	709.3	708.6	700.2	694.1	686.4	682.6	687.2
12.5°	752.8	735.3	732.2	733.0	740.6	739.8	730.7	723.1	721.5	723.1	737.5
15°	817.6	790.9	771.1	767.3	771.1	769.6	762.7	758.1	760.4	782.5	807.0
17.5°	875.6	834.4	798.6	784.8	784.1	781.8	774.9	773.4	784.8	826.0	861.9
20°	892.4	852.0	800.9	783.3	779.5	777.2	769.6	771.9	786.4	835.9	866.4
22.5°	870.3	831.4	778.0	760.4	757.4	756.6	749.0	752.0	764.2	807.7	832.9
25°	828.3	795.5	739.8	724.6	724.6	723.1	716.2	717.7	725.3	763.5	787.9
27.5°	777.2	745.9	699.4	684.2	686.4	688.7	680.3	678.1	684.2	720.0	734.5
30°	718.5	696.4	659.8	646.0	645.3	654.4	643.0	639.9	648.3	676.5	679.6
32.5°	661.3	650.6	624.7	614.0	614.8	616.3	610.2	610.2	617.8	633.1	632.3
35°	605.6	598.7	594.2	586.5	585.8	582.7	582.7	584.2	592.6	598.0	588.1
37.5°	552.2	559.1	564.4	556.8	550.7	550.7	550.7	557.5	565.2	562.9	546.1
40°	504.9	519.4	536.2	527.8	513.3	512.5	515.6	527.0	538.5	524.8	509.5
42.5°	464.5	482.8	506.4	501.9	485.9	483.6	485.9	500.3	509.5	492.0	475.2
45°	424.8	447.7	475.9	475.9	458.4	456.1	456.9	475.9	481.3	460.7	439.3
47.5°	391.3	416.4	446.2	446.2	431.7	427.1	430.9	450.8	454.6	425.6	405.8
50°	359.2	386.7	419.5	417.2	407.3	403.5	410.3	431.7	427.1	395.1	374.5
52.5°	318.8	347.8	392.8	395.1	389.7	390.5	398.9	412.6	399.7	360.8	343.2
55°	282.2	312.0	357.0	369.2	369.2	368.4	372.2	382.9	372.2	325.7	304.3
57.5°	242.5	267.7	305.1	308.1	310.4	302.0	307.4	321.9	316.5	276.9	264.7
60°	199.1	220.4	241.8	244.1	234.2	216.6	226.5	243.3	247.1	217.4	203.6
62.5°	141.1	161.7	186.9	186.9	177.0	159.4	172.4	186.9	181.5	151.0	142.6
65°	105.3	124.3	143.4	151.8	143.4	131.2	141.1	151.8	143.4	118.2	106.0
67.5°	67.9	80.8	92.3	99.2	100.7	99.2	103.7	100.7	90.8	74.0	67.1
70°	41.2	48.1	54.2	60.3	64.8	67.1	69.4	62.5	52.6	43.5	41.2
72.5°	29.7	35.8	41.2	45.8	51.1	52.6	52.6	48.1	38.9	30.5	28.2
75°	20.6	25.9	30.5	33.6	38.1	39.7	39.7	35.8	29.0	22.1	19.8
77.5°	0.8	5.3	5.3	4.6	6.1	7.6	7.6	9.2	8.4	6.1	5.3
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: P634354
 CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4
2.5°	852.0	879.4	887.0	915.3	940.4	965.6	996.1	1014.4	1041.9	1060.9	1071.6
5°	768.1	790.9	818.4	860.3	903.8	951.9	1009.8	1060.2	1123.5	1170.0	1185.3
7.5°	707.0	736.8	768.8	821.4	880.9	945.0	1026.6	1109.0	1205.9	1269.2	1309.6
10°	695.6	726.1	768.8	820.7	883.2	956.4	1056.4	1163.1	1284.4	1361.5	1407.2
12.5°	750.5	783.3	801.6	825.3	872.5	954.2	1082.3	1218.1	1360.7	1444.6	1493.4
15°	831.4	860.3	830.6	800.9	831.4	929.8	1096.8	1263.8	1427.8	1524.7	1575.0
17.5°	887.0	889.3	824.5	761.2	769.6	885.5	1102.1	1309.6	1499.5	1600.9	1653.6
20°	881.7	863.4	797.8	727.6	701.7	828.3	1096.0	1350.0	1572.0	1678.0	1729.8
22.5°	840.5	819.2	763.5	694.8	644.5	760.4	1085.3	1386.6	1638.3	1758.8	1807.6
25°	790.9	768.1	722.3	662.0	607.9	694.8	1077.0	1437.0	1722.2	1864.1	1902.2
27.5°	733.0	713.1	674.2	630.8	592.6	645.3	1074.7	1503.3	1823.7	1992.2	2018.9
30°	676.5	658.2	627.7	602.5	586.5	616.3	1067.0	1574.3	1944.9	2139.4	2168.4
32.5°	622.4	604.1	585.0	581.2	582.0	605.6	1041.1	1644.4	2089.1	2353.0	2374.3
35°	575.9	554.5	546.9	556.0	572.8	587.3	967.9	1702.4	2243.9	2585.6	2603.2
37.5°	531.6	510.3	509.5	531.6	549.9	559.1	881.7	1759.6	2452.9	2822.1	2844.2
40°	491.2	469.8	477.5	504.2	518.6	523.2	777.2	1846.5	2674.1	3071.5	3059.3
42.5°	456.9	434.7	439.3	473.6	486.6	498.8	681.1	1919.0	2886.9	3307.9	3304.1
45°	423.3	406.5	403.5	440.9	452.3	501.1	610.9	1974.7	3160.7	3609.2	3615.3
47.5°	390.5	377.5	378.3	394.3	422.5	512.5	551.4	2011.3	3558.1	4086.6	3980.6
50°	360.8	350.9	359.2	340.9	403.5	498.1	500.3	2003.7	4002.0	4544.3	4331.5
52.5°	328.0	325.7	329.5	285.3	373.0	439.3	452.3	1902.2	4210.2	4857.0	4735.7
55°	294.4	293.6	263.1	228.1	312.0	350.9	387.5	1587.2	4203.3	5023.3	5170.5
57.5°	254.7	248.6	199.8	186.1	242.5	244.1	353.1	1039.6	3725.1	4625.1	4930.2
60°	193.0	188.4	146.4	151.0	169.3	156.4	281.4	517.9	2783.9	3603.1	3947.1
62.5°	133.5	127.4	109.1	116.7	109.1	89.2	172.4	256.3	1686.4	2275.2	2587.1
65°	97.6	90.8	74.7	64.1	51.1	51.1	65.6	98.4	652.9	967.1	1166.2
67.5°	60.3	57.2	44.2	32.0	31.3	33.6	34.3	48.8	105.3	167.8	205.2
70°	38.9	35.8	29.7	20.6	19.1	19.8	20.6	22.9	26.7	29.0	35.1
72.5°	26.7	25.2	21.4	11.4	9.2	9.9	10.7	10.7	13.0	12.2	14.5
75°	19.1	17.5	15.3	5.3	3.1	3.8	4.6	3.8	4.6	3.1	3.8
77.5°	5.3	5.3	3.8	0.8	0.0	0.8	1.5	1.5	0.8	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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: P634354

CATALOG NUMBER: GWS-SA3B-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4	969.4
2.5°	1099.1	1116.6	1123.5	1113.6	1122.0	1108.2	1102.9	1082.3	1080.8	1077.0
5°	1247.0	1286.7	1310.4	1324.8	1308.1	1289.8	1262.3	1215.0	1200.5	1191.4
7.5°	1392.7	1454.5	1494.9	1514.0	1509.4	1472.0	1422.5	1343.1	1314.9	1301.2
10°	1519.3	1594.8	1643.7	1667.3	1657.4	1624.6	1553.7	1454.5	1417.1	1408.7
12.5°	1607.8	1677.2	1710.8	1731.4	1732.1	1719.2	1652.0	1552.1	1507.9	1497.2
15°	1663.5	1693.2	1694.0	1706.2	1727.6	1756.5	1725.3	1636.8	1589.5	1573.5
17.5°	1698.6	1665.8	1632.2	1635.3	1670.4	1747.4	1779.4	1711.5	1661.2	1643.7
20°	1723.7	1620.0	1557.5	1558.2	1594.1	1710.8	1816.8	1784.0	1732.1	1716.1
22.5°	1739.8	1579.6	1490.4	1488.1	1526.2	1667.3	1851.1	1870.2	1819.1	1800.8
25°	1772.6	1560.5	1449.9	1462.9	1496.5	1653.6	1897.6	1984.6	1937.3	1912.9
27.5°	1831.3	1579.6	1446.1	1475.9	1514.0	1694.0	1978.5	2137.1	2088.3	2060.9
30°	1932.7	1651.3	1504.8	1546.0	1591.8	1800.0	2114.3	2349.9	2279.8	2253.8
32.5°	2095.9	1800.0	1686.4	1774.8	1819.1	1973.9	2317.9	2588.7	2531.5	2479.6
35°	2321.0	2139.4	2126.5	2332.4	2321.7	2303.4	2568.1	2881.5	2795.4	2745.0
37.5°	2630.6	2685.5	2781.6	2986.0	2979.2	2839.6	2896.8	3158.4	3114.2	3049.3
40°	3017.3	3134.0	3297.2	3590.1	3498.6	3323.2	3300.3	3442.1	3406.3	3330.0
42.5°	3245.4	3446.7	3757.9	4021.1	3947.8	3641.2	3615.3	3821.2	3742.7	3659.5
45°	3351.4	3701.5	4311.6	4667.8	4445.9	3852.5	3842.6	4315.5	4271.2	4159.9
47.5°	3400.2	3958.5	4960.0	5499.2	5084.3	4037.8	4002.0	5032.4	4974.4	4843.3
50°	3454.4	4313.2	5741.0	6462.5	5855.4	4247.6	4273.5	5700.6	5676.1	5521.3
52.5°	3573.3	4688.4	6702.8	7563.9	6790.5	4576.3	4739.5	6330.6	6165.8	5987.3
55°	3751.8	5097.2	7703.5	8688.9	7744.6	5017.9	5243.7	6665.4	6203.2	6005.6
57.5°	3554.3	5199.5	8296.1	9474.5	8168.0	5019.4	4817.3	6085.0	5455.7	5264.3
60°	2820.5	4837.2	8068.0	9304.4	7807.2	4457.3	3688.5	4751.0	4133.2	4005.0
62.5°	1906.8	4056.9	7102.4	7869.0	6682.2	3506.2	2397.2	3089.8	2558.9	2452.9
65°	1044.9	3026.5	5738.7	5953.0	5230.0	2449.1	1233.3	1340.9	1021.3	974.0
67.5°	288.3	2106.6	4222.4	3949.4	3669.4	1594.8	318.8	239.5	170.8	169.3
70°	72.5	1393.5	2529.9	2607.7	2250.0	1021.3	61.0	29.0	22.9	22.1
72.5°	30.5	599.5	1200.5	1379.8	1151.7	472.9	22.1	8.4	6.9	5.3
75°	3.8	48.1	102.2	154.8	106.0	51.1	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
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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