

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: P635344

Luminaire Tested: GWS-SA3D-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635344
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-SA3D-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: 9652.7 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

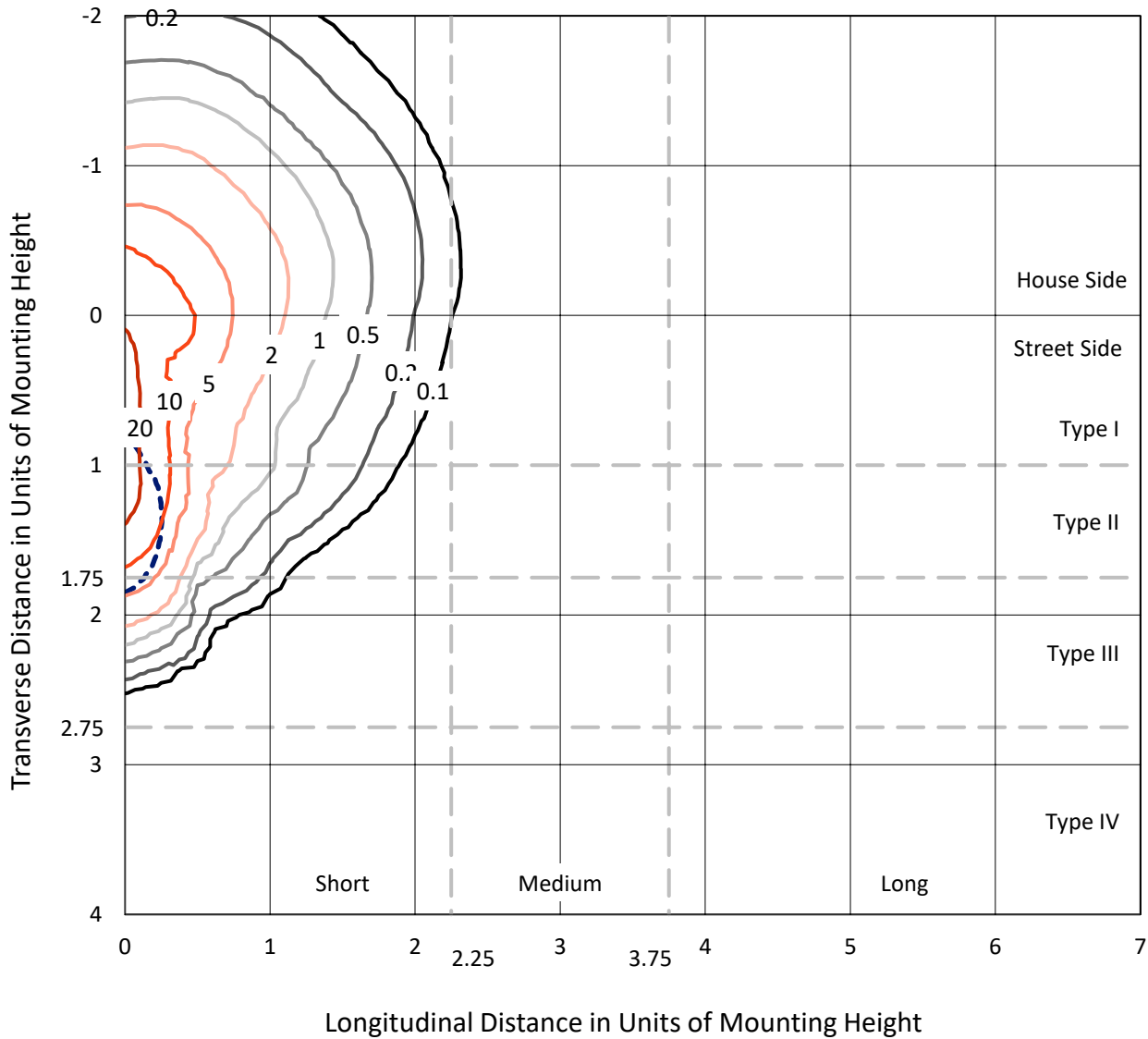
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

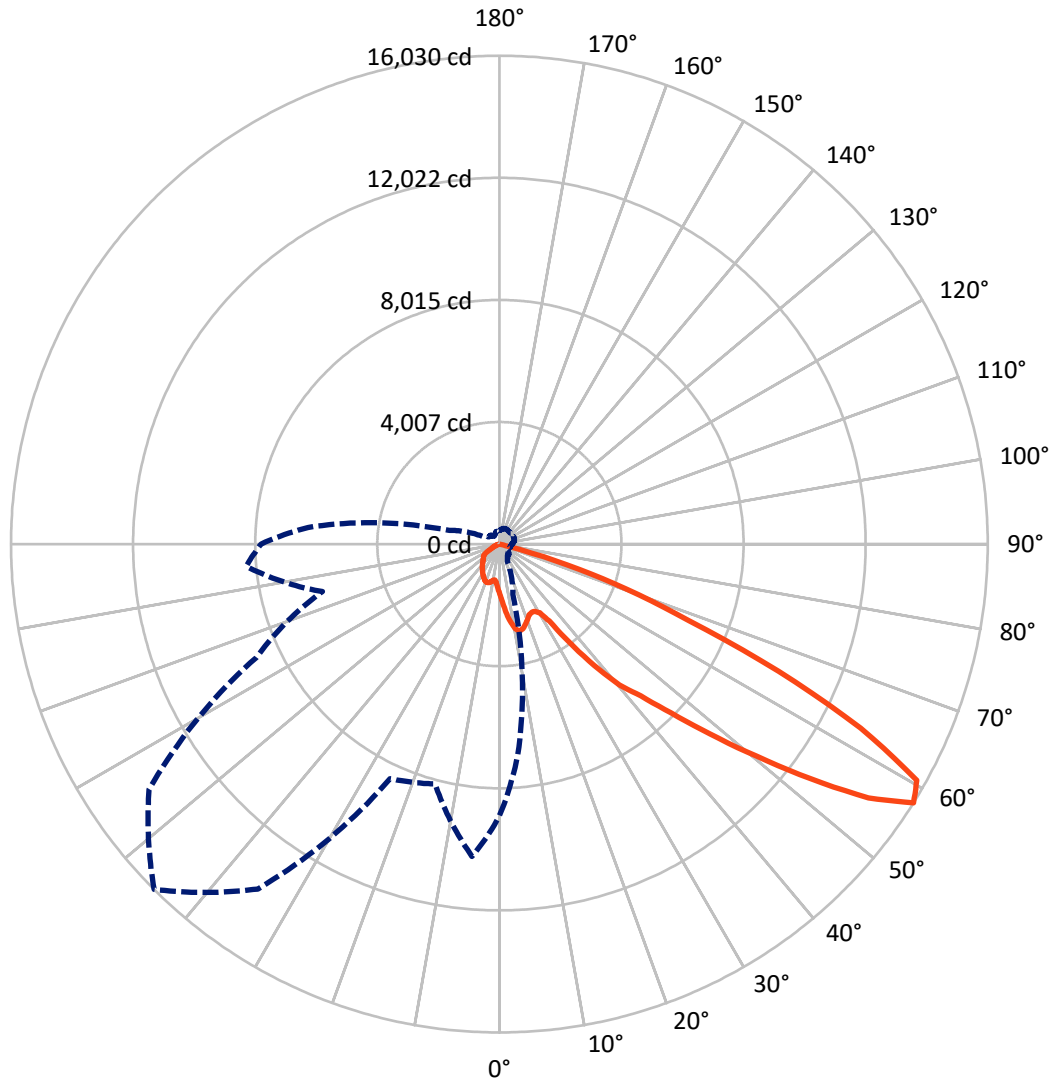
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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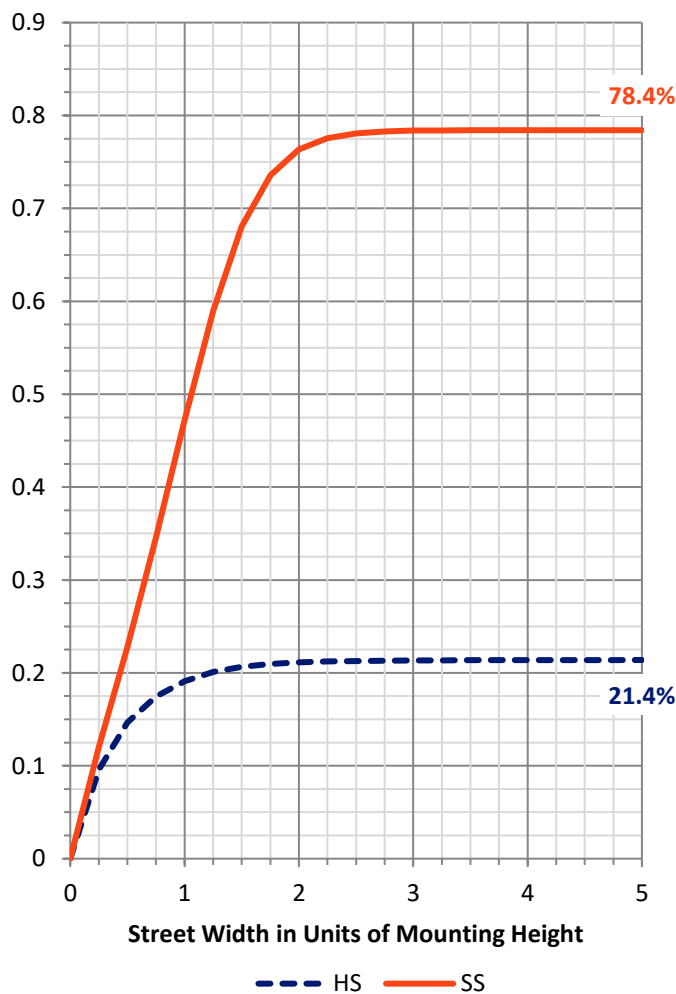
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2079.5	0.0	2079.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7573.2	0.0	7573.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	9652.7	0.0	9652.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	1.7
10°-20°	533.4	5.5
20°-30°	865.7	9.0
30°-40°	1328.6	13.8
40°-50°	2121.9	22.0
50°-60°	2971.0	30.8
60°-70°	1523.3	15.8
70°-80°	146.7	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°	9652.7	100.0
0°-180°	9652.7	100.0

Coefficient of Utilization



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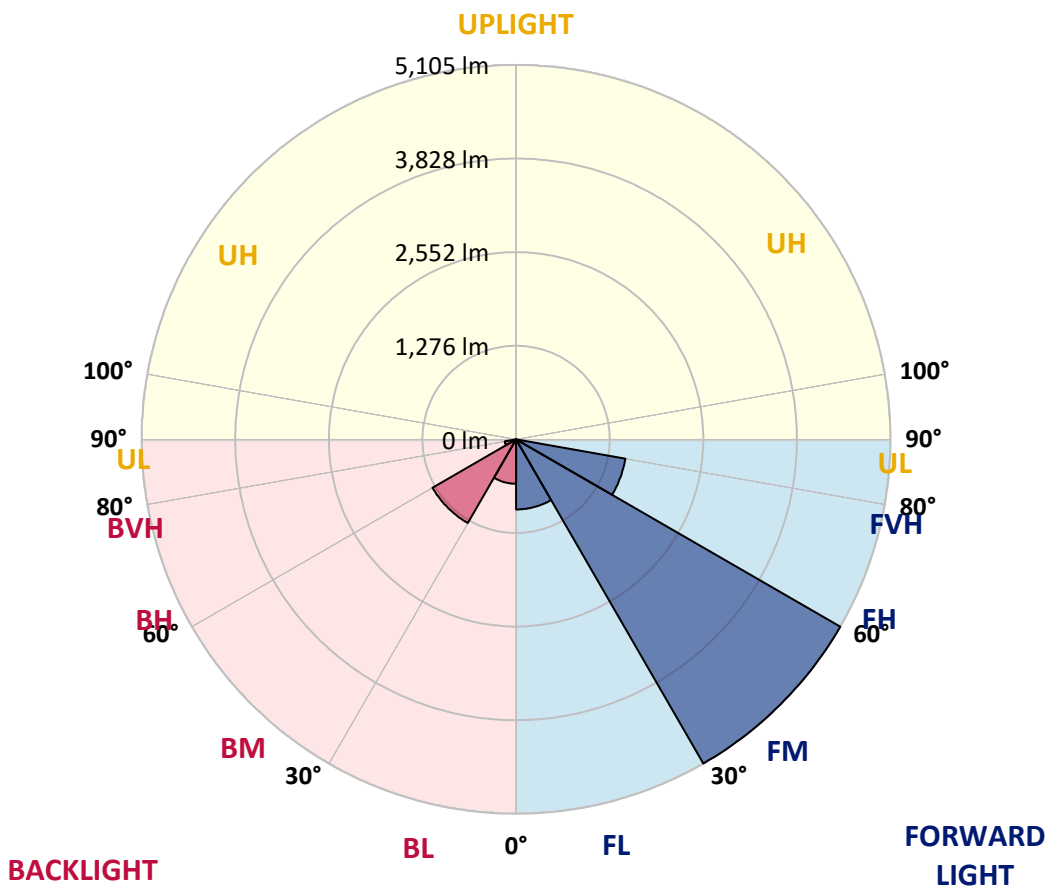
CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	955.7	9.9			
FM (30°-60°)	5104.6	52.9			
FH (60°-80°)	1512.9	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	605.5	6.3	B2/1000		
BM (30°-60°)	1316.9	13.6	B2/2500		
BH (60°-80°)	157.1	1.6	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°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1822.1	1818.2	1805.3	1761.4	1734.3	1691.8	1660.8	1620.8	1576.9	1549.8	1522.7
5°	2015.7	2005.3	1970.5	1869.8	1792.4	1708.5	1641.4	1567.9	1489.2	1437.5	1389.8
7.5°	2201.5	2186.0	2139.5	1969.2	1851.8	1731.8	1636.3	1529.2	1418.2	1340.8	1281.4
10°	2383.4	2348.6	2275.0	2066.0	1907.3	1762.7	1650.5	1527.9	1397.5	1299.5	1233.7
12.5°	2533.1	2507.3	2406.7	2157.6	1953.7	1769.2	1631.1	1517.5	1429.8	1364.0	1303.3
15°	2662.2	2633.8	2538.3	2240.2	1993.7	1743.4	1549.8	1450.4	1464.6	1490.4	1438.8
17.5°	2780.9	2751.2	2648.0	2308.6	2009.2	1680.1	1436.2	1388.5	1467.2	1564.0	1544.6
20°	2903.5	2869.9	2743.5	2364.1	2004.0	1580.8	1321.4	1335.6	1446.6	1557.5	1567.9
22.5°	3046.7	3011.9	2864.8	2435.0	2000.2	1462.1	1222.0	1289.1	1407.9	1502.1	1520.1
25°	3236.4	3195.1	3033.8	2539.6	2010.5	1353.7	1151.1	1244.0	1342.0	1427.2	1437.5
27.5°	3486.7	3433.8	3228.7	2668.6	2032.4	1268.5	1120.1	1182.0	1258.2	1334.3	1343.3
30°	3813.2	3746.1	3451.9	2780.9	2022.1	1209.1	1099.4	1120.1	1165.3	1227.2	1228.5
32.5°	4195.2	4103.6	3702.2	2877.7	1933.1	1165.3	1071.1	1056.9	1067.2	1114.9	1124.0
35°	4644.3	4525.5	3978.4	2969.3	1770.5	1080.1	1019.4	971.7	967.8	991.1	1013.0
37.5°	5159.1	5017.2	4326.8	3086.7	1578.2	991.1	943.3	895.6	874.9	886.5	920.1
40°	5634.0	5476.6	4690.7	3228.7	1382.1	911.0	854.3	805.2	780.7	784.6	825.9
42.5°	6191.5	6028.9	5135.9	3414.5	1219.5	856.8	761.4	711.0	678.8	696.8	744.6
45°	7038.0	6853.5	5785.0	3575.8	1090.4	843.9	680.1	609.1	593.6	624.6	681.3
47.5°	8194.2	7968.4	6676.7	3673.9	980.7	855.6	623.3	526.5	530.4	565.2	622.0
50°	9341.4	9097.5	7707.7	3544.8	890.4	832.3	594.9	462.0	486.5	517.5	569.1
52.5°	10129.9	9812.4	8209.7	3171.9	807.8	744.6	592.3	401.3	447.8	458.1	502.0
55°	10160.8	9769.8	7952.9	2500.9	695.5	628.4	565.2	351.0	405.2	409.1	446.5
57.5°	8906.5	8553.0	6950.3	1717.6	618.1	460.7	450.4	307.1	332.9	365.2	388.4
60°	6776.0	6475.4	5197.9	787.2	469.7	292.9	308.4	264.5	249.1	296.8	320.0
62.5°	4150.0	3957.7	3117.7	348.4	299.4	156.1	187.1	210.3	187.1	205.2	224.5
65°	1647.9	1562.7	1183.3	148.4	122.6	78.7	85.2	122.6	131.6	144.5	162.6
67.5°	286.5	271.0	198.7	65.8	50.3	47.7	41.3	56.8	80.0	89.0	103.2
70°	37.4	36.1	32.3	27.1	25.8	23.2	18.1	36.1	54.2	56.8	65.8
72.5°	9.0	7.7	7.7	6.5	7.7	2.6	2.6	19.4	38.7	40.0	46.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	24.5	27.1	32.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1500.8	1475.0	1465.9	1453.0	1436.2	1441.4	1418.2	1410.4	1422.1	1437.5	1433.7
5°	1364.0	1335.6	1316.2	1286.6	1281.4	1269.8	1262.0	1251.7	1264.6	1282.7	1286.6
7.5°	1255.6	1231.1	1211.7	1202.7	1196.2	1191.1	1175.6	1167.8	1167.8	1175.6	1182.0
10°	1209.1	1191.1	1187.2	1189.8	1200.1	1198.8	1184.6	1174.3	1161.4	1154.9	1162.7
12.5°	1273.7	1244.0	1238.8	1240.1	1253.0	1251.7	1236.2	1223.3	1220.7	1223.3	1247.8
15°	1383.3	1338.2	1304.6	1298.2	1304.6	1302.0	1290.4	1282.7	1286.6	1324.0	1365.3
17.5°	1481.4	1411.7	1351.1	1327.9	1326.6	1322.7	1311.1	1308.5	1327.9	1397.5	1458.2
20°	1509.8	1441.4	1355.0	1325.3	1318.8	1314.9	1302.0	1305.9	1330.4	1414.3	1465.9
22.5°	1472.4	1406.6	1316.2	1286.6	1281.4	1280.1	1267.2	1272.4	1293.0	1366.6	1409.1
25°	1401.4	1345.9	1251.7	1225.9	1225.9	1223.3	1211.7	1214.3	1227.2	1291.7	1333.0
27.5°	1314.9	1262.0	1183.3	1157.5	1161.4	1165.3	1151.1	1147.2	1157.5	1218.2	1242.7
30°	1215.6	1178.2	1116.2	1093.0	1091.7	1107.2	1087.8	1082.7	1096.9	1144.6	1149.8
32.5°	1118.8	1100.7	1056.9	1038.8	1040.1	1042.7	1032.3	1032.3	1045.2	1071.1	1069.8
35°	1024.6	1013.0	1005.2	992.3	991.1	985.9	985.9	988.5	1002.7	1011.7	994.9
37.5°	934.3	945.9	954.9	942.0	931.7	931.7	931.7	943.3	956.2	952.3	923.9
40°	854.3	878.8	907.2	893.0	868.5	867.2	872.3	891.7	911.0	887.8	862.0
42.5°	785.9	816.8	856.8	849.1	822.0	818.1	822.0	846.5	862.0	832.3	803.9
45°	718.8	757.5	805.2	805.2	775.5	771.7	773.0	805.2	814.3	779.4	743.3
47.5°	662.0	704.6	754.9	754.9	730.4	722.6	729.1	762.6	769.1	720.1	686.5
50°	607.8	654.2	709.7	705.9	689.1	682.6	694.3	730.4	722.6	668.4	633.6
52.5°	539.4	588.4	664.6	668.4	659.4	660.7	674.9	698.1	676.2	610.4	580.7
55°	477.5	527.8	603.9	624.6	624.6	623.3	629.7	647.8	629.7	551.0	514.9
57.5°	410.4	452.9	516.2	521.3	525.2	511.0	520.0	544.6	535.5	468.4	447.8
60°	336.8	372.9	409.1	412.9	396.2	366.5	383.3	411.6	418.1	367.8	344.5
62.5°	238.7	273.6	316.2	316.2	299.4	269.7	291.6	316.2	307.1	255.5	241.3
65°	178.1	210.3	242.6	256.8	242.6	222.0	238.7	256.8	242.6	200.0	179.4
67.5°	114.8	136.8	156.1	167.8	170.3	167.8	175.5	170.3	153.6	125.2	113.6
70°	69.7	81.3	91.6	101.9	109.7	113.6	117.4	105.8	89.0	73.6	69.7
72.5°	50.3	60.7	69.7	77.4	86.5	89.0	89.0	81.3	65.8	51.6	47.7
75°	34.8	43.9	51.6	56.8	64.5	67.1	67.1	60.7	49.0	37.4	33.6
77.5°	1.3	9.0	9.0	7.7	10.3	12.9	12.9	15.5	14.2	10.3	9.0
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°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1441.4	1487.9	1500.8	1548.5	1591.1	1633.7	1685.3	1716.3	1762.7	1795.0	1813.1
5°	1299.5	1338.2	1384.6	1455.6	1529.2	1610.5	1708.5	1793.7	1900.8	1979.5	2005.3
7.5°	1196.2	1246.6	1300.8	1389.8	1490.4	1598.8	1736.9	1876.3	2040.2	2147.3	2215.7
10°	1176.9	1228.5	1300.8	1388.5	1494.3	1618.2	1787.2	1967.9	2173.1	2303.4	2380.8
12.5°	1269.8	1325.3	1356.2	1396.2	1476.3	1614.3	1831.1	2060.8	2302.1	2444.1	2526.7
15°	1406.6	1455.6	1405.3	1355.0	1406.6	1573.0	1855.6	2138.2	2415.7	2579.6	2664.7
17.5°	1500.8	1504.6	1395.0	1287.8	1302.0	1498.2	1864.7	2215.7	2537.0	2708.6	2797.7
20°	1491.7	1460.8	1349.8	1231.1	1187.2	1401.4	1854.3	2284.1	2659.6	2838.9	2926.7
22.5°	1422.1	1385.9	1291.7	1175.6	1090.4	1286.6	1836.3	2346.0	2771.8	2975.7	3058.3
25°	1338.2	1299.5	1222.0	1120.1	1028.5	1175.6	1822.1	2431.2	2913.8	3153.8	3218.3
27.5°	1240.1	1206.6	1140.7	1067.2	1002.7	1091.7	1818.2	2543.4	3085.4	3370.6	3415.8
30°	1144.6	1113.6	1062.0	1019.4	992.3	1042.7	1805.3	2663.4	3290.6	3619.7	3668.7
32.5°	1053.0	1022.0	989.8	983.3	984.6	1024.6	1761.4	2782.2	3534.5	3981.0	4017.1
35°	974.3	938.1	925.2	940.7	969.1	993.6	1637.6	2880.2	3796.4	4374.6	4404.2
37.5°	899.4	863.3	862.0	899.4	930.4	945.9	1491.7	2977.0	4150.0	4774.6	4812.0
40°	831.0	794.9	807.8	853.0	877.5	885.2	1314.9	3124.1	4524.2	5196.6	5175.9
42.5°	773.0	735.5	743.3	801.4	823.3	843.9	1152.4	3246.7	4884.3	5596.6	5590.1
45°	716.2	687.8	682.6	745.9	765.2	847.8	1033.6	3340.9	5347.5	6106.3	6116.6
47.5°	660.7	638.8	640.1	667.2	714.9	867.2	933.0	3402.9	6019.9	6914.1	6734.8
50°	610.4	593.6	607.8	576.8	682.6	842.7	846.5	3390.0	6770.9	7688.4	7328.4
52.5°	554.9	551.0	557.5	482.6	631.0	743.3	765.2	3218.3	7123.2	8217.5	8012.3
55°	498.1	496.8	445.2	385.8	527.8	593.6	655.5	2685.4	7111.6	8498.8	8747.8
57.5°	431.0	420.7	338.1	314.9	410.4	412.9	597.5	1758.9	6302.5	7825.2	8341.3
60°	326.5	318.7	247.8	255.5	286.5	264.5	476.2	876.2	4710.1	6096.0	6678.0
62.5°	225.8	215.5	184.5	197.4	184.5	151.0	291.6	433.6	2853.1	3849.4	4377.1
65°	165.2	153.6	126.5	108.4	86.5	86.5	111.0	166.5	1104.6	1636.3	1973.1
67.5°	101.9	96.8	74.8	54.2	52.9	56.8	58.1	82.6	178.1	283.9	347.1
70°	65.8	60.7	50.3	34.8	32.3	33.6	34.8	38.7	45.2	49.0	59.4
72.5°	45.2	42.6	36.1	19.4	15.5	16.8	18.1	18.1	21.9	20.6	24.5
75°	32.3	29.7	25.8	9.0	5.2	6.5	7.7	6.5	7.7	5.2	6.5
77.5°	9.0	9.0	6.5	1.3	0.0	1.3	2.6	2.6	1.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	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: P635344

CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1	1640.1
2.5°	1859.5	1889.2	1900.8	1884.0	1898.2	1875.0	1866.0	1831.1	1828.5	1822.1
5°	2109.9	2177.0	2217.0	2241.5	2213.1	2182.1	2135.7	2055.7	2031.1	2015.7
7.5°	2356.3	2460.9	2529.2	2561.5	2553.8	2490.5	2406.7	2272.4	2224.7	2201.5
10°	2570.5	2698.3	2780.9	2820.9	2804.1	2748.6	2628.6	2460.9	2397.6	2383.4
12.5°	2720.2	2837.7	2894.4	2929.3	2930.6	2908.6	2795.1	2626.0	2551.2	2533.1
15°	2814.4	2864.8	2866.0	2886.7	2922.8	2971.9	2919.0	2769.3	2689.3	2662.2
17.5°	2873.8	2818.3	2761.5	2766.7	2826.0	2956.4	3010.6	2895.7	2810.6	2780.9
20°	2916.4	2740.9	2635.1	2636.3	2697.0	2894.4	3073.8	3018.3	2930.6	2903.5
22.5°	2943.5	2672.5	2521.5	2517.6	2582.2	2820.9	3131.9	3164.1	3077.7	3046.7
25°	2999.0	2640.2	2453.1	2475.0	2531.8	2797.7	3210.6	3357.7	3277.7	3236.4
27.5°	3098.3	2672.5	2446.7	2497.0	2561.5	2866.0	3347.4	3615.8	3533.2	3486.7
30°	3270.0	2793.8	2546.0	2615.7	2693.1	3045.4	3577.1	3975.8	3857.1	3813.2
32.5°	3546.1	3045.4	2853.1	3002.8	3077.7	3339.6	3921.6	4379.7	4282.9	4195.2
35°	3926.8	3619.7	3597.7	3946.1	3928.1	3897.1	4344.9	4875.2	4729.4	4644.3
37.5°	4450.7	4543.6	4706.2	5052.0	5040.4	4804.3	4901.1	5343.7	5268.8	5159.1
40°	5104.9	5302.4	5578.5	6074.1	5919.2	5622.4	5583.7	5823.7	5763.1	5634.0
42.5°	5490.8	5831.5	6357.9	6803.1	6679.3	6160.5	6116.6	6465.1	6332.1	6191.5
45°	5670.2	6262.5	7294.8	7897.4	7521.9	6518.0	6501.2	7301.3	7226.4	7038.0
47.5°	5752.7	6697.3	8391.7	9304.0	8602.0	6831.5	6770.9	8514.3	8416.2	8194.2
50°	5844.4	7297.4	9713.1	10933.8	9906.6	7186.4	7230.3	9644.7	9603.4	9341.4
52.5°	6045.7	7932.3	11340.3	12797.2	11488.7	7742.6	8018.7	10710.6	10431.8	10129.9
55°	6347.6	8623.9	13033.3	14700.6	13103.0	8489.7	8871.7	11277.1	10495.1	10160.8
57.5°	6013.4	8796.9	14036.0	16029.7	13819.2	8492.3	8150.4	10295.1	9230.4	8906.5
60°	4772.0	8183.9	13650.2	15742.0	13208.8	7541.3	6240.5	8038.1	6992.8	6776.0
62.5°	3226.1	6863.8	12016.5	13313.4	11305.5	5932.1	4055.8	5227.5	4329.4	4150.0
65°	1767.9	5120.4	9709.2	10071.8	8848.5	4143.6	2086.6	2268.6	1727.9	1647.9
67.5°	487.8	3564.2	7143.8	6681.8	6208.3	2698.3	539.4	405.2	289.1	286.5
70°	122.6	2357.6	4280.4	4412.0	3806.8	1727.9	103.2	49.0	38.7	37.4
72.5°	51.6	1014.3	2031.1	2334.4	1948.5	800.1	37.4	14.2	11.6	9.0
75°	6.5	81.3	172.9	262.0	179.4	86.5	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

(END OF REPORT)