

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: P635348

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635348
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-SA3D-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT 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: 9603.7 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

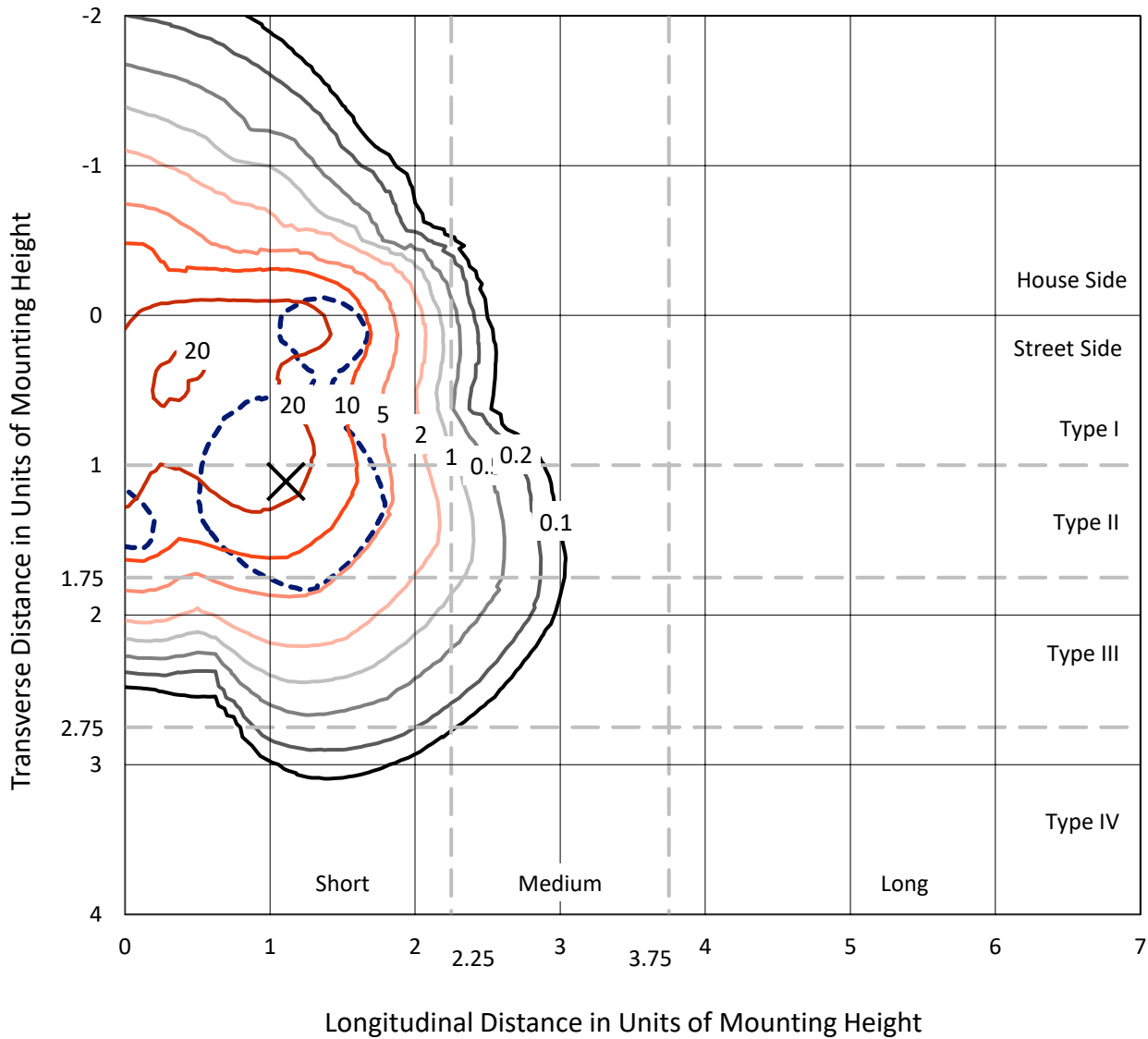
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635348
 CATALOG NUMBER: GWS-SA3D-750-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

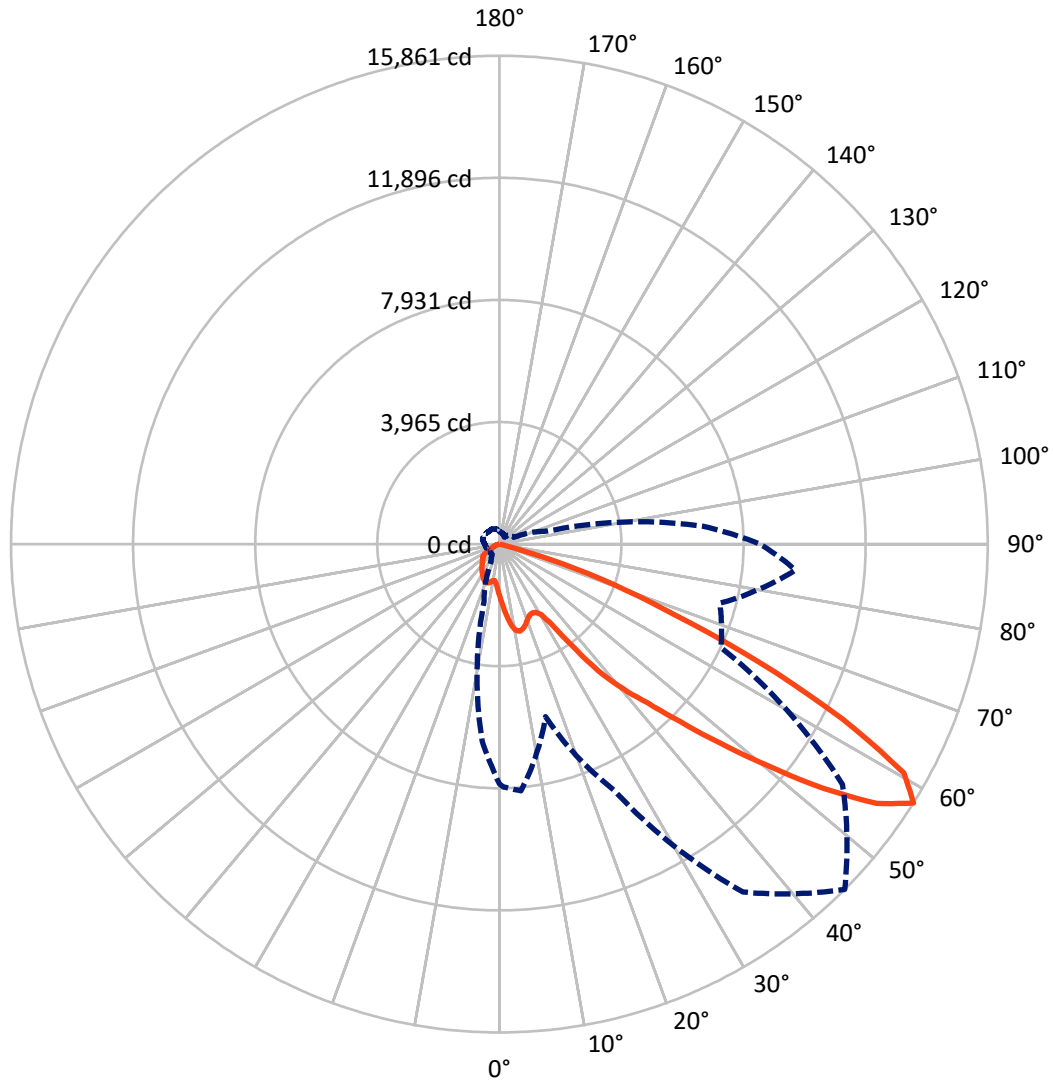
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.1 fc
 Type III - Short - N/A

REPORT NUMBER: P635348
CATALOG NUMBER: GWS-SA3D-750-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635348
 CATALOG NUMBER: GWS-SA3D-750-U-SLR-W-GRSBK

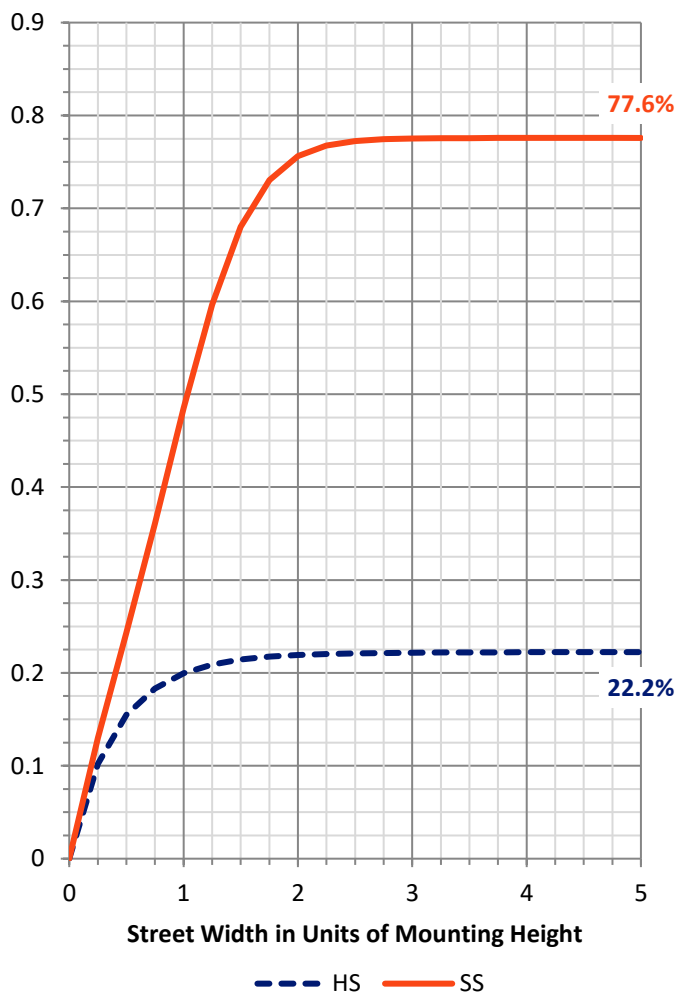
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2150.5	0.0	2150.5
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	7453.2	0.0	7453.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	9603.7	0.0	9603.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	1.7
10°-20°	537.2	5.6
20°-30°	872.6	9.1
30°-40°	1348.3	14.0
40°-50°	2162.0	22.5
50°-60°	2954.9	30.8
60°-70°	1431.1	14.9
70°-80°	131.0	1.4
80°-90°	0.4	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°	9603.7	100.0
0°-180°	9603.7	100.0

Coefficient of Utilization



REPORT NUMBER: P635348

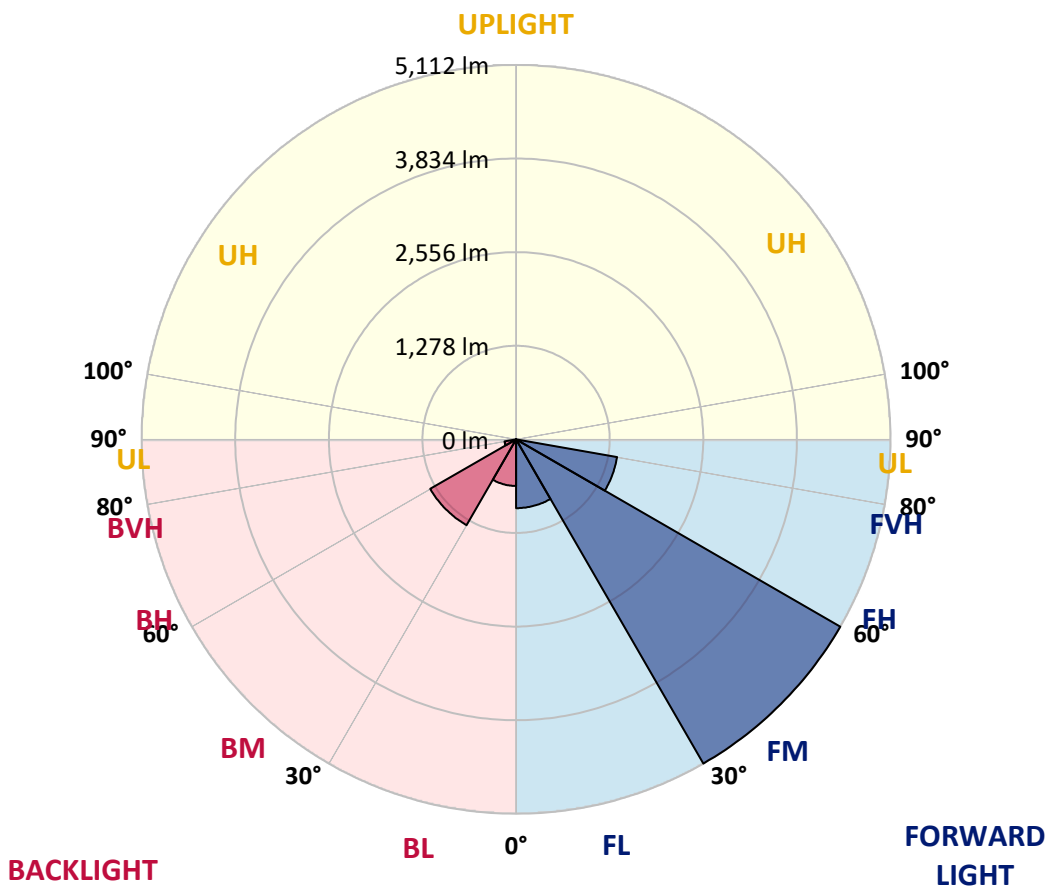
CATALOG NUMBER: GWS-SA3D-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.5	9.8			
FM (30°-60°)	5112.3	53.2			
FH (60°-80°)	1401.0	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	636.3	6.6	B2/1000		
BM (30°-60°)	1353.0	14.1	B2/2500		
BH (60°-80°)	161.2	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





REPORT NUMBER: P635348

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0
2.5°	1828.6	1840.2	1859.6	1900.9	1935.7	1959.0	1969.3	1966.7	1952.5	1942.2	1921.5
5°	2024.8	2024.8	2062.2	2156.4	2228.7	2273.8	2297.1	2282.9	2254.5	2209.3	2139.6
7.5°	2196.4	2202.9	2266.1	2400.3	2510.0	2574.5	2611.9	2604.2	2553.9	2467.4	2328.0
10°	2330.6	2338.4	2422.2	2586.1	2715.2	2781.0	2836.5	2841.6	2786.2	2671.3	2511.3
12.5°	2461.0	2468.7	2556.4	2713.9	2827.5	2854.6	2903.6	2922.9	2908.8	2827.5	2661.0
15°	2601.6	2619.7	2694.5	2812.0	2859.7	2827.5	2859.7	2894.6	2942.3	2934.6	2784.9
17.5°	2739.7	2752.6	2828.7	2870.0	2817.1	2733.2	2748.7	2790.0	2898.4	3004.2	2907.5
20°	2867.5	2885.5	2948.8	2894.6	2734.5	2604.2	2605.5	2659.7	2824.9	3046.8	3032.6
22.5°	3001.7	3028.8	3073.9	2921.7	2658.4	2502.2	2508.7	2557.7	2766.8	3086.8	3174.6
25°	3177.2	3203.0	3232.7	2988.8	2633.9	2451.9	2476.4	2521.6	2766.8	3155.2	3350.1
27.5°	3414.6	3432.7	3434.0	3113.9	2676.5	2459.7	2511.3	2562.9	2849.4	3292.0	3585.0
30°	3712.7	3741.1	3703.7	3308.8	2809.4	2562.9	2639.0	2703.6	3027.5	3523.0	3930.8
32.5°	4075.3	4115.4	4065.0	3597.9	3086.8	2919.1	3057.2	3094.6	3311.4	3857.3	4323.1
35°	4501.2	4534.8	4480.6	3997.9	3734.7	3765.6	4016.0	3968.2	3881.8	4268.9	4781.2
37.5°	4968.4	4999.3	4894.8	4604.4	4692.2	4826.4	5226.5	5062.6	4783.8	4799.3	5278.1
40°	5396.8	5430.4	5266.5	5263.9	5444.6	5689.7	6172.4	5946.6	5567.1	5493.6	5743.9
42.5°	5840.7	5864.0	5715.6	5614.9	6025.3	6529.9	7040.9	6736.3	6085.9	6005.9	6327.2
45°	6474.4	6523.4	6258.8	5787.8	6547.9	7496.4	8208.8	7613.9	6439.5	6375.0	7220.3
47.5°	7406.1	7442.2	6902.8	5896.2	7034.4	8700.4	9668.3	8752.1	6750.5	6603.4	8441.1
50°	8176.5	8201.0	7495.1	6014.9	7551.9	9998.7	11331.7	10101.9	7100.2	6981.5	9580.6
52.5°	8744.3	8837.2	8273.3	6258.8	8232.0	11525.3	13173.3	11700.8	7646.1	7711.9	10525.2
55°	8861.8	8988.2	8805.0	6408.5	8830.8	13080.3	14874.1	13132.0	8190.7	8265.6	10842.6
57.5°	7788.1	7888.7	8041.0	5804.6	8816.6	13792.7	15861.3	13606.9	7942.9	7412.5	9654.1
60°	5834.3	5904.0	6180.1	4436.7	8108.1	13162.9	15092.2	12799.0	6945.4	5656.2	7355.8
62.5°	3459.8	3490.8	3840.5	2873.9	6729.9	11335.6	12516.4	11044.0	5488.4	3804.3	4505.1
65°	1327.9	1315.0	1582.1	1418.2	4949.0	9029.5	9309.6	8419.1	3765.6	1743.4	1717.6
67.5°	205.2	196.2	264.5	419.4	3569.5	6257.6	6142.7	6067.9	2359.0	406.5	354.9
70°	46.5	46.5	56.8	123.9	2180.9	3676.6	3934.7	3751.4	1509.9	86.5	46.5
72.5°	21.9	21.9	27.1	52.9	789.8	1515.0	1765.4	1738.3	490.4	28.4	16.8
75°	7.7	9.0	9.0	11.6	47.7	78.7	180.7	129.0	31.0	0.0	0.0
77.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	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: P635348

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0
2.5°	1876.4	1867.3	1833.8	1788.6	1744.7	1706.0	1666.0	1618.3	1583.4	1543.4	1530.5
5°	2085.4	2028.6	1937.0	1841.5	1753.8	1678.9	1606.7	1529.2	1472.4	1415.7	1396.3
7.5°	2262.2	2178.3	2029.9	1886.7	1766.7	1660.9	1556.3	1450.5	1367.9	1300.8	1280.2
10°	2420.9	2324.2	2125.4	1948.6	1797.6	1675.0	1548.6	1415.7	1308.6	1228.5	1209.2
12.5°	2557.7	2445.5	2206.7	1995.1	1810.5	1669.9	1547.3	1441.5	1344.7	1253.1	1228.5
15°	2672.6	2548.7	2275.1	2026.1	1791.2	1605.4	1498.3	1481.5	1473.7	1373.1	1325.3
17.5°	2784.9	2645.5	2330.6	2040.3	1737.0	1491.8	1414.4	1490.5	1571.8	1506.0	1445.3
20°	2902.3	2743.6	2387.4	2042.8	1646.7	1364.0	1351.1	1471.2	1574.4	1553.7	1497.0
22.5°	3040.4	2866.2	2458.4	2041.5	1533.1	1255.6	1304.7	1433.7	1517.6	1516.3	1471.2
25°	3240.4	3021.0	2553.9	2049.3	1409.2	1171.8	1253.1	1370.5	1438.9	1436.3	1398.9
27.5°	3454.6	3205.6	2677.8	2068.6	1303.4	1122.7	1192.4	1284.0	1343.4	1340.8	1308.6
30°	3755.3	3418.5	2796.5	2069.9	1227.3	1096.9	1125.3	1188.5	1245.3	1238.9	1214.3
32.5°	4120.5	3658.5	2895.8	1996.4	1179.5	1072.4	1055.6	1087.9	1131.8	1122.7	1116.3
35°	4561.9	3943.7	2981.0	1835.1	1105.9	1023.4	978.2	984.6	1015.6	1020.8	1018.2
37.5°	5065.2	4283.1	3086.8	1622.1	1006.6	952.4	891.7	886.6	904.6	921.4	934.3
40°	5562.0	4665.1	3230.1	1406.6	916.2	862.0	804.0	791.1	798.8	828.5	855.6
42.5°	6120.8	5107.7	3384.9	1222.1	854.3	762.7	707.2	682.7	704.6	752.4	784.6
45°	6926.0	5728.5	3535.9	1075.0	828.5	674.9	600.1	597.5	622.0	684.0	720.1
47.5°	8056.5	6531.1	3635.3	960.1	827.2	606.5	517.5	533.0	561.4	622.0	663.3
50°	9158.6	7536.4	3525.6	872.4	800.1	561.4	455.5	486.5	514.9	567.8	610.4
52.5°	9823.2	8077.1	3098.5	789.8	716.2	540.7	394.9	449.1	454.3	502.0	547.2
55°	9753.5	7727.4	2373.2	662.0	592.3	511.0	331.7	405.2	407.8	443.9	482.6
57.5°	8465.6	6634.4	1629.9	536.8	445.2	422.0	273.6	342.0	366.5	388.4	416.8
60°	6309.2	4840.6	726.5	436.2	282.6	285.2	233.6	258.1	295.5	321.3	345.8
62.5°	3717.9	2784.9	295.5	262.0	156.1	179.4	188.4	188.4	211.6	231.0	246.5
65°	1405.3	974.3	120.0	131.6	81.3	83.9	111.0	136.8	154.9	171.6	192.3
67.5°	246.5	170.3	61.9	49.0	47.7	42.6	56.8	89.0	99.4	112.3	121.3
70°	41.3	34.8	25.8	24.5	21.9	23.2	37.4	63.2	69.7	73.6	77.4
72.5°	11.6	10.3	7.7	6.5	5.2	6.5	23.2	49.0	51.6	54.2	58.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	9.0	34.8	37.4	38.7	42.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	10.3	12.9	10.3
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: P635348

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0
2.5°	1522.8	1497.0	1482.8	1475.0	1475.0	1464.7	1453.1	1449.2	1466.0	1466.0	1494.4
5°	1371.8	1351.1	1327.9	1313.7	1291.8	1295.6	1282.7	1281.5	1298.2	1306.0	1335.7
7.5°	1267.3	1241.4	1227.3	1218.2	1206.6	1201.4	1189.8	1186.0	1195.0	1207.9	1236.3
10°	1197.6	1193.7	1192.4	1198.9	1198.9	1192.4	1182.1	1175.6	1178.2	1202.7	1235.0
12.5°	1215.6	1223.4	1226.0	1236.3	1241.4	1236.3	1228.5	1231.1	1247.9	1293.1	1340.8
15°	1294.4	1287.9	1285.3	1290.5	1294.4	1289.2	1286.6	1306.0	1364.0	1428.6	1482.8
17.5°	1378.2	1336.9	1318.9	1318.9	1321.5	1318.9	1321.5	1358.9	1453.1	1517.6	1557.6
20°	1420.8	1344.7	1316.3	1309.8	1315.0	1316.3	1325.3	1367.9	1471.2	1516.3	1525.4
22.5°	1407.9	1312.4	1280.2	1275.0	1280.2	1285.3	1294.4	1330.5	1427.3	1450.5	1446.6
25°	1343.4	1249.2	1223.4	1223.4	1235.0	1233.7	1237.6	1263.4	1343.4	1357.6	1351.1
27.5°	1262.1	1173.1	1151.1	1164.0	1174.3	1171.8	1173.1	1195.0	1254.4	1258.2	1251.8
30°	1179.5	1102.1	1081.4	1096.9	1111.1	1108.5	1109.8	1131.8	1169.2	1165.3	1156.3
32.5°	1095.6	1038.8	1023.4	1032.4	1054.3	1051.7	1056.9	1080.1	1094.3	1077.6	1067.2
35°	1018.2	988.5	976.9	982.1	998.8	1002.7	1011.7	1027.2	1027.2	1006.6	988.5
37.5°	945.9	942.1	934.3	927.9	943.3	955.0	967.9	985.9	960.1	930.4	913.7
40°	878.8	895.6	885.3	868.5	877.5	894.3	920.1	934.3	903.3	873.7	845.3
42.5°	816.9	845.3	841.4	820.7	828.5	844.0	873.7	885.3	849.1	815.6	788.5
45°	757.5	797.5	800.1	774.3	782.0	797.5	832.4	836.2	789.8	753.6	734.3
47.5°	705.9	749.8	751.1	731.7	734.3	756.2	788.5	789.8	736.9	703.3	678.8
50°	656.9	707.2	711.1	694.3	696.9	722.7	749.8	744.6	687.8	653.0	631.0
52.5°	597.5	665.9	674.9	667.2	677.5	698.2	714.9	696.9	631.0	596.2	576.8
55°	533.0	622.0	641.4	636.2	647.8	664.6	668.5	656.9	574.3	539.4	521.4
57.5°	458.1	512.3	545.9	535.6	544.6	561.4	573.0	563.9	502.0	474.9	459.4
60°	379.4	415.5	423.3	406.5	398.8	428.4	455.5	443.9	391.0	374.2	356.2
62.5°	277.5	318.7	323.9	302.0	292.9	325.2	348.4	336.8	278.7	260.7	246.5
65°	222.0	260.7	271.0	250.4	245.2	269.7	283.9	255.5	214.2	194.9	179.4
67.5°	145.8	176.8	203.9	202.6	192.3	200.0	189.7	166.5	136.8	126.5	116.1
70°	90.3	108.4	125.2	131.6	130.3	127.8	113.6	96.8	87.8	83.9	78.7
72.5°	69.7	87.8	100.7	104.5	105.8	101.9	90.3	74.8	65.8	60.7	56.8
75°	51.6	65.8	76.1	81.3	83.9	81.3	69.7	59.4	50.3	46.5	42.6
77.5°	18.1	21.9	27.1	29.7	28.4	27.1	24.5	24.5	19.4	18.1	15.5
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: P635348

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0	1688.0
2.5°	1526.6	1549.9	1592.5	1631.2	1672.5	1715.1	1761.5	1809.3	1831.2	1828.6
5°	1380.8	1431.1	1500.8	1577.0	1662.1	1753.8	1855.7	1960.2	2005.4	2024.8
7.5°	1289.2	1360.2	1451.8	1548.6	1660.9	1791.2	1944.8	2108.7	2174.5	2196.4
10°	1300.8	1383.4	1459.5	1553.7	1673.8	1842.8	2033.8	2228.7	2306.1	2330.6
12.5°	1395.0	1413.1	1433.7	1511.2	1662.1	1881.5	2115.1	2347.4	2436.4	2461.0
15°	1480.2	1396.3	1357.6	1428.6	1620.8	1908.6	2197.7	2475.1	2573.2	2601.6
17.5°	1484.1	1357.6	1271.1	1326.6	1553.7	1920.2	2279.0	2605.5	2712.6	2739.7
20°	1436.3	1315.0	1204.0	1205.3	1462.1	1917.7	2346.1	2722.9	2842.9	2867.5
22.5°	1366.6	1264.7	1149.8	1109.8	1364.0	1912.5	2419.7	2848.1	2978.4	3001.7
25°	1289.2	1200.2	1098.2	1037.5	1266.0	1917.7	2522.9	3012.0	3155.2	3177.2
27.5°	1205.3	1129.2	1058.2	1009.2	1183.4	1937.0	2646.8	3221.0	3391.4	3414.6
30°	1117.6	1060.8	1032.4	1002.7	1131.8	1942.2	2781.0	3465.0	3680.5	3712.7
32.5°	1031.1	1000.1	1001.4	1006.6	1082.7	1906.0	2903.6	3736.0	4023.7	4075.3
35°	951.1	942.1	967.9	993.7	1011.7	1813.1	3010.7	4056.0	4448.3	4501.2
37.5°	882.7	890.4	922.7	948.5	934.3	1681.5	3152.7	4456.0	4923.2	4968.4
40°	816.9	836.2	873.7	885.3	874.9	1527.9	3323.0	4841.9	5334.9	5396.8
42.5°	756.2	770.4	823.3	825.9	858.2	1371.8	3486.9	5257.4	5808.5	5840.7
45°	707.2	704.6	758.8	775.6	880.1	1198.9	3646.9	5811.1	6427.9	6474.4
47.5°	659.4	656.9	669.8	745.9	889.1	1038.8	3805.6	6621.5	7326.1	7406.1
50°	614.3	618.1	578.1	731.7	840.1	916.2	3877.9	7371.2	8143.0	8176.5
52.5°	574.3	560.1	490.4	685.2	735.6	800.1	3672.7	7711.9	8648.8	8744.3
55°	517.5	438.8	403.9	556.2	580.7	698.2	3008.1	7514.5	8692.7	8861.8
57.5°	442.6	344.6	343.3	410.4	410.4	647.8	1926.7	6420.2	7491.3	7788.1
60°	340.7	267.1	283.9	285.2	263.3	472.3	1081.4	4650.9	5538.8	5834.3
62.5°	242.6	203.9	214.2	170.3	151.0	236.2	518.8	2677.8	3418.5	3459.8
65°	162.6	138.1	112.3	94.2	92.9	100.7	214.2	967.9	1176.9	1327.9
67.5°	107.1	83.9	59.4	59.4	67.1	67.1	81.3	160.0	224.5	205.2
70°	69.7	58.1	37.4	36.1	43.9	43.9	41.3	43.9	46.5	46.5
72.5°	51.6	43.9	21.9	19.4	24.5	25.8	23.2	21.9	21.9	21.9
75°	38.7	31.0	12.9	9.0	11.6	15.5	12.9	9.0	9.0	7.7
77.5°	15.5	11.6	5.2	3.9	6.5	9.0	7.7	3.9	2.6	2.6
80°	1.3	2.6	2.6	2.6	3.9	5.2	6.5	2.6	1.3	1.3
82.5°	0.0	1.3	1.3	1.3	2.6	3.9	5.2	2.6	1.3	1.3
85°	0.0	0.0	0.0	0.0	2.6	3.9	2.6	1.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.3	3.9	2.6	1.3	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)