

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: P635399

Luminaire Tested: GWS-SA3D-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635399
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9520.4 lumens
Efficiency: N/A
Efficacy: 78.8 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

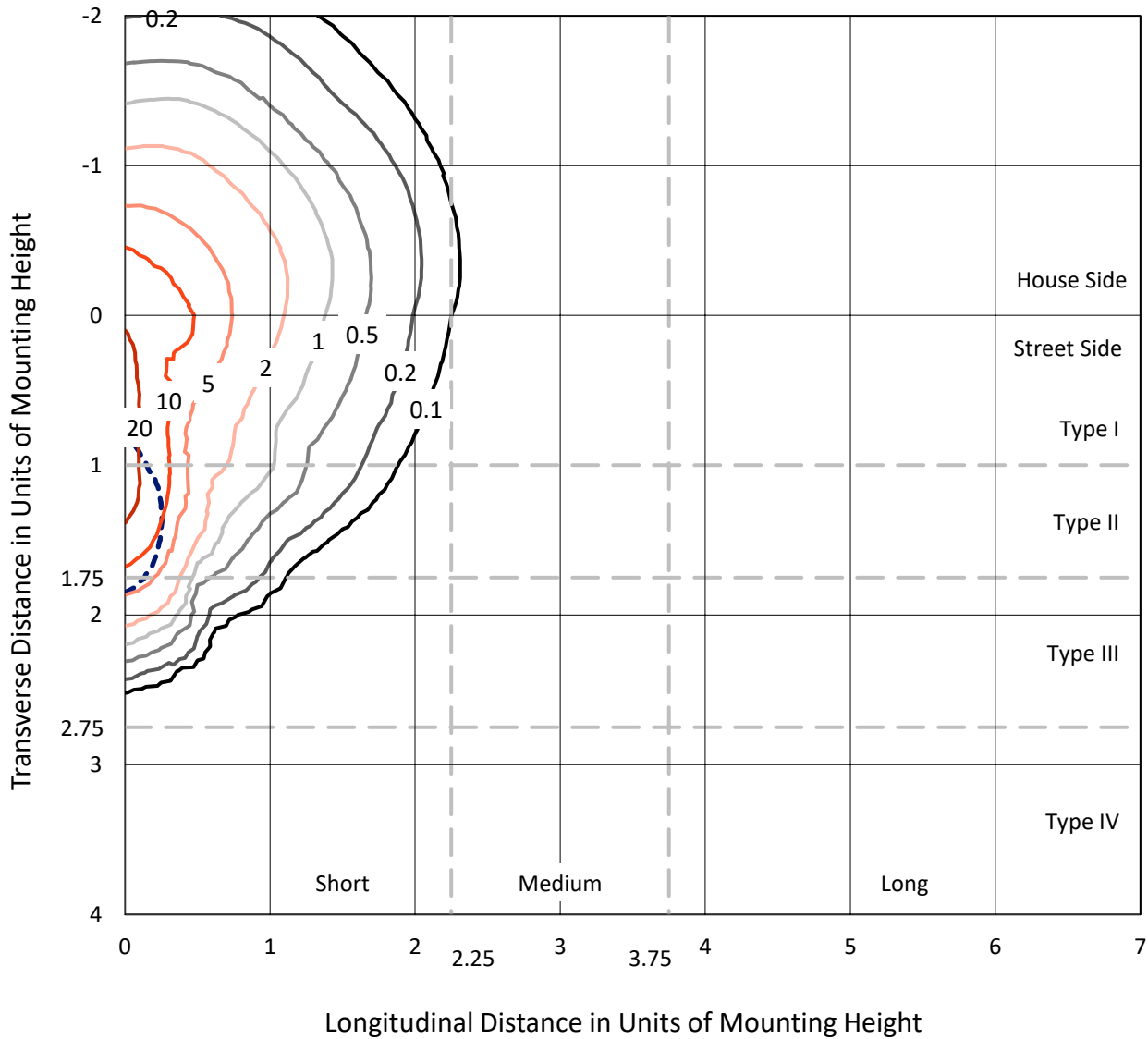
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

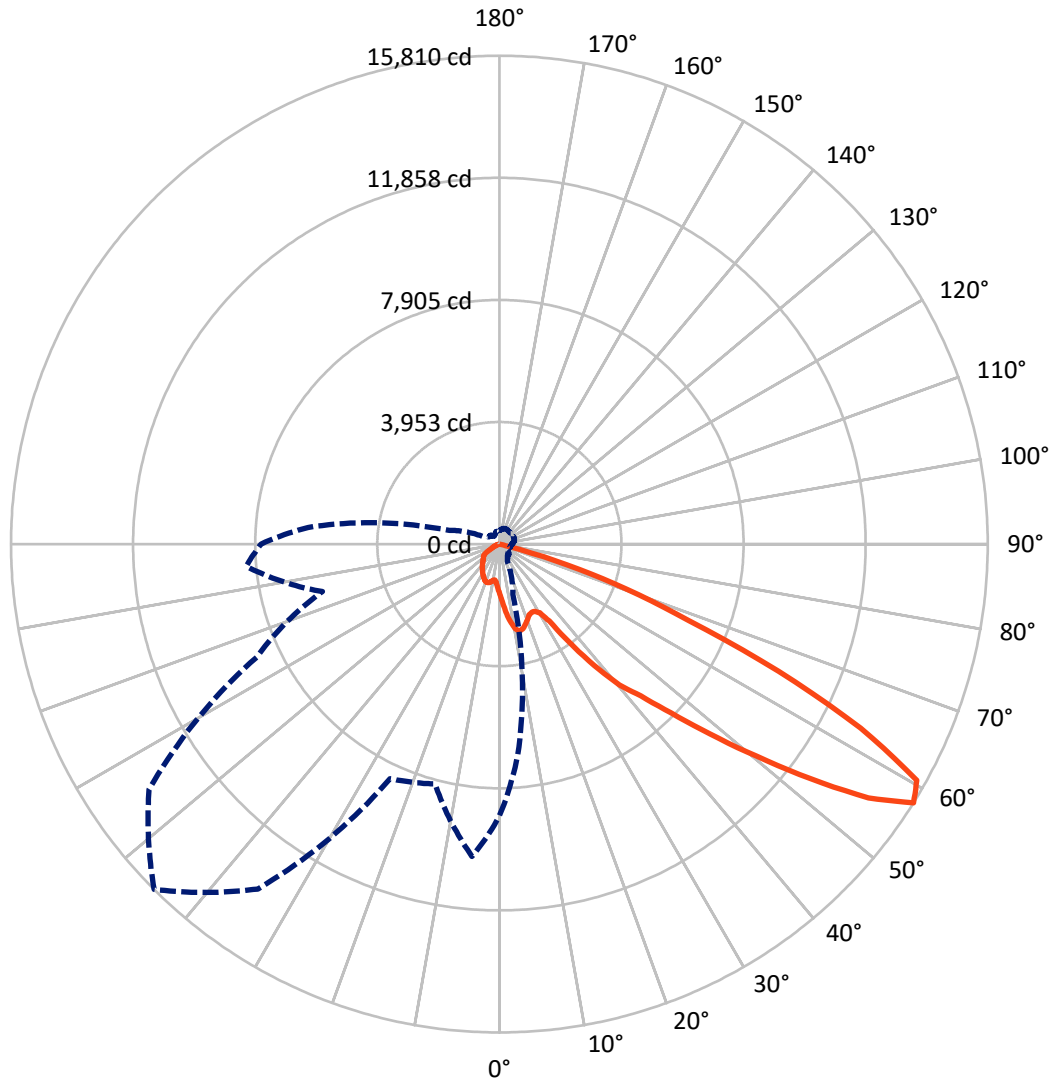
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.4 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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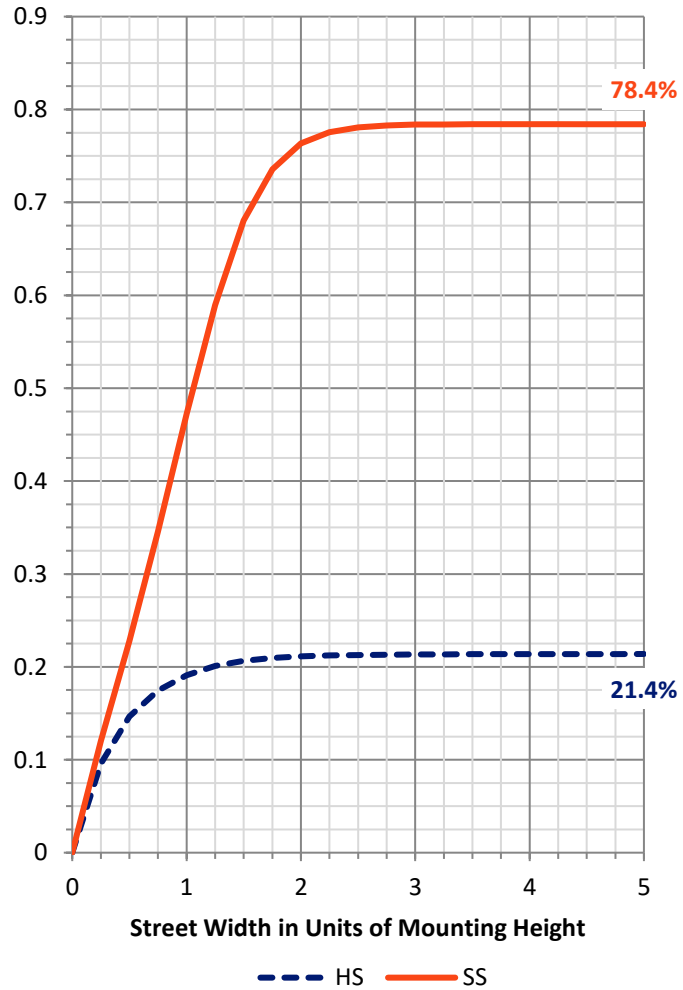
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2051.0	0.0	2051.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7469.4	0.0	7469.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	9520.4	0.0	9520.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	1.7
10°-20°	526.1	5.5
20°-30°	853.8	9.0
30°-40°	1310.4	13.8
40°-50°	2092.8	22.0
50°-60°	2930.3	30.8
60°-70°	1502.4	15.8
70°-80°	144.7	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°	9520.4	100.0
0°-180°	9520.4	100.0

Coefficient of Utilization



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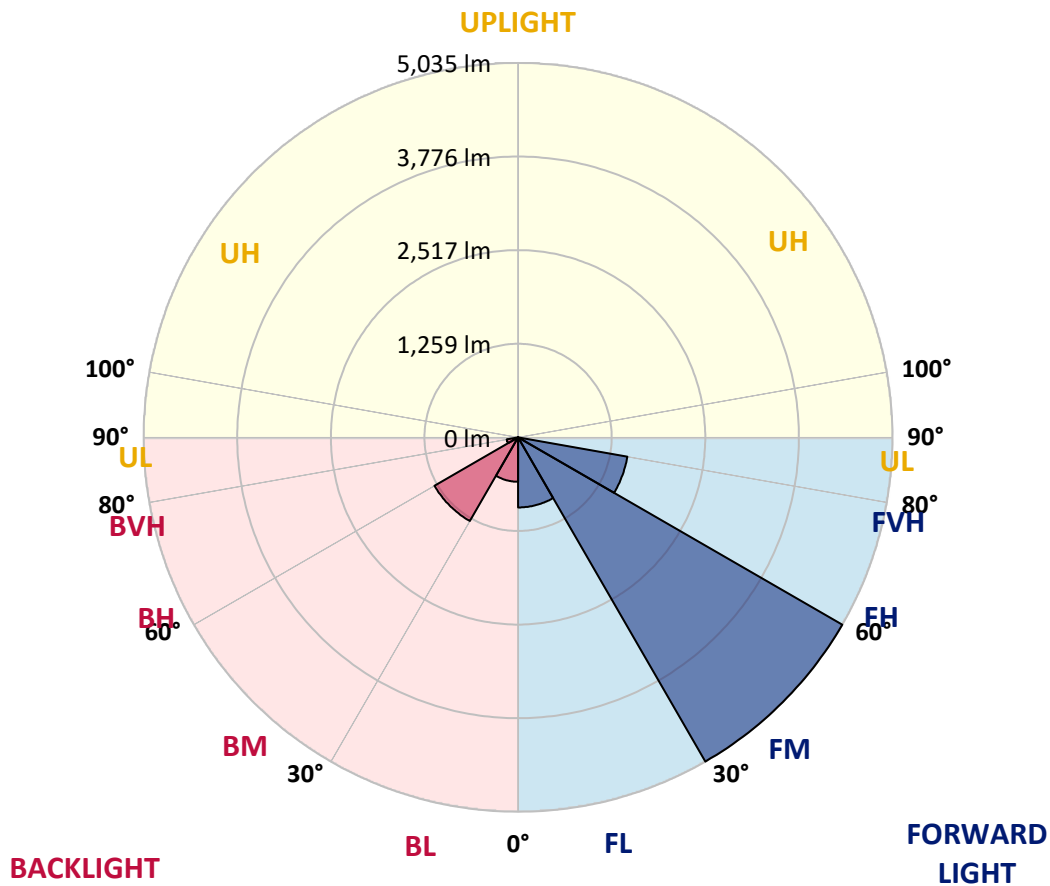
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.6	9.9			
FM (30°-60°)	5034.6	52.9			
FH (60°-80°)	1492.2	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	597.2	6.3	B2/1000		
BM (30°-60°)	1298.9	13.6	B2/2500		
BH (60°-80°)	154.9	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°	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7
2.5°	1797.1	1793.3	1780.6	1737.3	1710.6	1668.6	1638.0	1598.6	1555.3	1528.6	1501.8
5°	1988.0	1977.8	1943.5	1844.2	1767.8	1685.1	1618.9	1546.4	1468.7	1417.8	1370.7
7.5°	2171.3	2156.0	2110.2	1942.2	1826.4	1708.0	1613.8	1508.2	1398.7	1322.4	1263.8
10°	2350.8	2316.4	2243.8	2037.7	1881.1	1738.6	1627.8	1506.9	1378.4	1281.7	1216.7
12.5°	2498.4	2472.9	2373.7	2128.0	1926.9	1744.9	1608.7	1496.7	1410.2	1345.3	1285.5
15°	2625.7	2597.7	2503.5	2209.5	1966.4	1719.5	1528.6	1430.6	1444.6	1470.0	1419.1
17.5°	2742.8	2713.5	2611.7	2276.9	1981.7	1657.1	1416.6	1369.5	1447.1	1542.6	1523.5
20°	2863.7	2830.6	2705.9	2331.7	1976.6	1559.1	1303.3	1317.3	1426.7	1536.2	1546.4
22.5°	3004.9	2970.6	2825.5	2401.7	1972.8	1442.0	1205.3	1271.5	1388.6	1481.5	1499.3
25°	3192.0	3151.3	2992.2	2504.8	1982.9	1335.1	1135.3	1226.9	1323.7	1407.7	1417.8
27.5°	3439.0	3386.8	3184.4	2632.0	2004.6	1251.1	1104.7	1165.8	1240.9	1316.0	1324.9
30°	3761.0	3694.8	3404.6	2742.8	1994.4	1192.6	1084.4	1104.7	1149.3	1210.4	1211.7
32.5°	4137.7	4047.3	3651.5	2838.2	1906.6	1149.3	1056.4	1042.4	1052.6	1099.7	1108.6
35°	4580.6	4463.5	3923.9	2928.6	1746.2	1065.3	1005.5	958.4	954.6	977.5	999.1
37.5°	5088.4	4948.4	4267.5	3044.4	1556.6	977.5	930.4	883.3	862.9	874.4	907.5
40°	5556.8	5401.5	4626.4	3184.4	1363.1	898.6	842.6	794.2	770.0	773.8	814.6
42.5°	6106.6	5946.3	5065.5	3367.7	1202.7	845.1	750.9	701.3	669.5	687.3	734.4
45°	6941.5	6759.5	5705.7	3526.8	1075.5	832.4	670.7	600.7	585.5	616.0	672.0
47.5°	8081.9	7859.2	6585.2	3623.5	967.3	843.8	614.7	519.3	523.1	557.5	613.5
50°	9213.4	8972.8	7602.1	3496.2	878.2	820.9	586.7	455.6	479.8	510.4	561.3
52.5°	9991.0	9677.9	8097.2	3128.4	796.7	734.4	584.2	395.8	441.6	451.8	495.1
55°	10021.6	9635.9	7843.9	2466.6	686.0	619.8	557.5	346.2	399.6	403.5	440.4
57.5°	8784.5	8435.7	6855.0	1694.0	609.6	454.4	444.2	302.9	328.4	360.2	383.1
60°	6683.2	6386.6	5126.6	776.4	463.3	288.9	304.2	260.9	245.6	292.7	315.6
62.5°	4093.1	3903.5	3074.9	343.6	295.3	154.0	184.5	207.5	184.5	202.4	221.5
65°	1625.3	1541.3	1167.1	146.4	120.9	77.6	84.0	120.9	129.8	142.5	160.4
67.5°	282.5	267.3	196.0	64.9	49.6	47.1	40.7	56.0	78.9	87.8	101.8
70°	36.9	35.6	31.8	26.7	25.5	22.9	17.8	35.6	53.5	56.0	64.9
72.5°	8.9	7.6	7.6	6.4	7.6	2.5	2.5	19.1	38.2	39.5	45.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	24.2	26.7	31.8
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°	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7
2.5°	1480.2	1454.7	1445.8	1433.1	1416.6	1421.7	1398.7	1391.1	1402.6	1417.8	1414.0
5°	1345.3	1317.3	1298.2	1268.9	1263.8	1252.4	1244.7	1234.6	1247.3	1265.1	1268.9
7.5°	1238.4	1214.2	1195.1	1186.2	1179.8	1174.7	1159.5	1151.8	1151.8	1159.5	1165.8
10°	1192.6	1174.7	1170.9	1173.5	1183.7	1182.4	1168.4	1158.2	1145.5	1139.1	1146.7
12.5°	1256.2	1226.9	1221.8	1223.1	1235.8	1234.6	1219.3	1206.6	1204.0	1206.6	1230.7
15°	1364.4	1319.8	1286.7	1280.4	1286.7	1284.2	1272.7	1265.1	1268.9	1305.8	1346.6
17.5°	1461.1	1392.4	1332.6	1309.7	1308.4	1304.6	1293.1	1290.6	1309.7	1378.4	1438.2
20°	1489.1	1421.7	1336.4	1307.1	1300.7	1296.9	1284.2	1288.0	1312.2	1394.9	1445.8
22.5°	1452.2	1387.3	1298.2	1268.9	1263.8	1262.6	1249.8	1254.9	1275.3	1347.8	1389.8
25°	1382.2	1327.5	1234.6	1209.1	1209.1	1206.6	1195.1	1197.7	1210.4	1274.0	1314.7
27.5°	1296.9	1244.7	1167.1	1141.7	1145.5	1149.3	1135.3	1131.5	1141.7	1201.5	1225.7
30°	1198.9	1162.0	1100.9	1078.0	1076.7	1092.0	1072.9	1067.8	1081.8	1128.9	1134.0
32.5°	1103.5	1085.7	1042.4	1024.6	1025.8	1028.4	1018.2	1018.2	1030.9	1056.4	1055.1
35°	1010.6	999.1	991.5	978.7	977.5	972.4	972.4	974.9	988.9	997.8	981.3
37.5°	921.5	932.9	941.8	929.1	918.9	918.9	918.9	930.4	943.1	939.3	911.3
40°	842.6	866.7	894.7	880.7	856.6	855.3	860.4	879.5	898.6	875.6	850.2
42.5°	775.1	805.6	845.1	837.5	810.7	806.9	810.7	834.9	850.2	820.9	792.9
45°	708.9	747.1	794.2	794.2	764.9	761.1	762.4	794.2	803.1	768.7	733.1
47.5°	652.9	694.9	744.6	744.6	720.4	712.7	719.1	752.2	758.6	710.2	677.1
50°	599.5	645.3	700.0	696.2	679.6	673.3	684.7	720.4	712.7	659.3	624.9
52.5°	532.0	580.4	655.5	659.3	650.4	651.6	665.6	688.6	666.9	602.0	572.7
55°	470.9	520.6	595.6	616.0	616.0	614.7	621.1	638.9	621.1	543.5	507.8
57.5°	404.7	446.7	509.1	514.2	518.0	504.0	512.9	537.1	528.2	462.0	441.6
60°	332.2	367.8	403.5	407.3	390.7	361.5	378.0	406.0	412.4	362.7	339.8
62.5°	235.5	269.8	311.8	311.8	295.3	266.0	287.6	311.8	302.9	252.0	238.0
65°	175.6	207.5	239.3	253.3	239.3	218.9	235.5	253.3	239.3	197.3	176.9
67.5°	113.3	134.9	154.0	165.5	168.0	165.5	173.1	168.0	151.5	123.5	112.0
70°	68.7	80.2	90.4	100.5	108.2	112.0	115.8	104.4	87.8	72.5	68.7
72.5°	49.6	59.8	68.7	76.4	85.3	87.8	87.8	80.2	64.9	50.9	47.1
75°	34.4	43.3	50.9	56.0	63.6	66.2	66.2	59.8	48.4	36.9	33.1
77.5°	1.3	8.9	8.9	7.6	10.2	12.7	12.7	15.3	14.0	10.2	8.9
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°	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7
2.5°	1421.7	1467.5	1480.2	1527.3	1569.3	1611.3	1662.2	1692.7	1738.6	1770.4	1788.2
5°	1281.7	1319.8	1365.7	1435.7	1508.2	1588.4	1685.1	1769.1	1874.8	1952.4	1977.8
7.5°	1179.8	1229.5	1282.9	1370.7	1470.0	1576.9	1713.1	1850.6	2012.2	2117.8	2185.3
10°	1160.7	1211.7	1282.9	1369.5	1473.8	1596.0	1762.7	1940.9	2143.3	2271.8	2348.2
12.5°	1252.4	1307.1	1337.7	1377.1	1456.0	1592.2	1806.0	2032.6	2270.6	2410.6	2492.0
15°	1387.3	1435.7	1386.0	1336.4	1387.3	1551.5	1830.2	2108.9	2382.6	2544.2	2628.2
17.5°	1480.2	1484.0	1375.8	1270.2	1284.2	1477.7	1839.1	2185.3	2502.2	2671.5	2759.3
20°	1471.3	1440.7	1331.3	1214.2	1170.9	1382.2	1828.9	2252.8	2623.1	2800.0	2886.6
22.5°	1402.6	1366.9	1274.0	1159.5	1075.5	1268.9	1811.1	2313.8	2733.9	2934.9	3016.4
25°	1319.8	1281.7	1205.3	1104.7	1014.4	1159.5	1797.1	2397.8	2873.9	3110.6	3174.2
27.5°	1223.1	1190.0	1125.1	1052.6	988.9	1076.7	1793.3	2508.6	3043.1	3324.4	3369.0
30°	1128.9	1098.4	1047.5	1005.5	978.7	1028.4	1780.6	2626.9	3245.5	3570.0	3618.4
32.5°	1038.6	1008.0	976.2	969.8	971.1	1010.6	1737.3	2744.0	3486.0	3926.4	3962.1
35°	960.9	925.3	912.6	927.8	955.8	980.0	1615.1	2840.8	3744.4	4314.6	4343.9
37.5°	887.1	851.5	850.2	887.1	917.6	932.9	1471.3	2936.2	4093.1	4709.2	4746.1
40°	819.6	784.0	796.7	841.3	865.5	873.1	1296.9	3081.3	4462.2	5125.3	5105.0
42.5°	762.4	725.5	733.1	790.4	812.0	832.4	1136.6	3202.2	4817.3	5519.9	5513.5
45°	706.4	678.4	673.3	735.6	754.7	836.2	1019.5	3295.1	5274.2	6022.6	6032.8
47.5°	651.6	630.0	631.3	658.0	705.1	855.3	920.2	3356.2	5937.3	6819.4	6642.4
50°	602.0	585.5	599.5	568.9	673.3	831.1	834.9	3343.5	6678.1	7583.0	7227.9
52.5°	547.3	543.5	549.8	476.0	622.4	733.1	754.7	3174.2	7025.5	8104.8	7902.5
55°	491.3	490.0	439.1	380.6	520.6	585.5	646.6	2648.6	7014.1	8382.3	8627.9
57.5°	425.1	414.9	333.5	310.5	404.7	407.3	589.3	1734.7	6216.1	7717.9	8227.0
60°	322.0	314.4	244.4	252.0	282.5	260.9	469.6	864.2	4645.5	6012.4	6586.4
62.5°	222.7	212.5	182.0	194.7	182.0	148.9	287.6	427.6	2814.0	3796.6	4317.1
65°	162.9	151.5	124.7	106.9	85.3	85.3	109.5	164.2	1089.5	1613.8	1946.0
67.5°	100.5	95.5	73.8	53.5	52.2	56.0	57.3	81.5	175.6	280.0	342.4
70°	64.9	59.8	49.6	34.4	31.8	33.1	34.4	38.2	44.5	48.4	58.5
72.5°	44.5	42.0	35.6	19.1	15.3	16.5	17.8	17.8	21.6	20.4	24.2
75°	31.8	29.3	25.5	8.9	5.1	6.4	7.6	6.4	7.6	5.1	6.4
77.5°	8.9	8.9	6.4	1.3	0.0	1.3	2.5	2.5	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: P635399

CATALOG NUMBER: GWS-SA3D-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7	1617.7
2.5°	1834.0	1863.3	1874.8	1858.2	1872.2	1849.3	1840.4	1806.0	1803.5	1797.1
5°	2080.9	2147.1	2186.6	2210.8	2182.8	2152.2	2106.4	2027.5	2003.3	1988.0
7.5°	2324.0	2427.1	2494.6	2526.4	2518.8	2456.4	2373.7	2241.3	2194.2	2171.3
10°	2535.3	2661.3	2742.8	2782.2	2765.7	2710.9	2592.6	2427.1	2364.8	2350.8
12.5°	2682.9	2798.8	2854.8	2889.1	2890.4	2868.8	2756.8	2590.0	2516.2	2498.4
15°	2775.9	2825.5	2826.8	2847.1	2882.8	2931.1	2878.9	2731.3	2652.4	2625.7
17.5°	2834.4	2779.7	2723.7	2728.8	2787.3	2915.9	2969.3	2856.0	2772.0	2742.8
20°	2876.4	2703.3	2598.9	2600.2	2660.0	2854.8	3031.7	2976.9	2890.4	2863.7
22.5°	2903.1	2635.9	2486.9	2483.1	2546.8	2782.2	3088.9	3120.8	3035.5	3004.9
25°	2957.9	2604.0	2419.5	2441.1	2497.1	2759.3	3166.6	3311.7	3232.8	3192.0
27.5°	3055.9	2635.9	2413.1	2462.8	2526.4	2826.8	3301.5	3566.2	3484.8	3439.0
30°	3225.1	2755.5	2511.1	2579.9	2656.2	3003.7	3528.0	3921.3	3804.2	3761.0
32.5°	3497.5	3003.7	2814.0	2961.7	3035.5	3293.9	3867.9	4319.7	4224.2	4137.7
35°	3873.0	3570.0	3548.4	3892.0	3874.2	3843.7	4285.3	4808.4	4664.6	4580.6
37.5°	4389.7	4481.3	4641.7	4982.8	4971.3	4738.4	4833.9	5270.4	5196.6	5088.4
40°	5035.0	5229.7	5502.1	5990.8	5838.1	5545.3	5507.2	5743.9	5684.1	5556.8
42.5°	5415.5	5751.5	6270.8	6709.9	6587.7	6076.1	6032.8	6376.4	6245.4	6106.6
45°	5592.4	6176.6	7194.8	7789.2	7418.8	6428.6	6412.1	7201.2	7127.4	6941.5
47.5°	5673.9	6605.5	8276.7	9176.5	8484.1	6737.9	6678.1	8397.6	8300.8	8081.9
50°	5764.3	7197.4	9579.9	10784.0	9770.9	7087.9	7131.2	9512.5	9471.8	9213.4
52.5°	5962.8	7823.6	11184.9	12621.8	11331.2	7636.5	7908.8	10563.8	10288.9	9991.0
55°	6260.6	8505.7	12854.7	14499.1	12923.4	8373.4	8750.1	11122.5	10351.2	10021.6
57.5°	5931.0	8676.3	13843.6	15810.0	13629.8	8375.9	8038.6	10153.9	9103.9	8784.5
60°	4706.6	8071.7	13463.1	15526.2	13027.8	7437.9	6155.0	7927.9	6897.0	6683.2
62.5°	3181.9	6769.7	11851.8	13130.9	11150.5	5850.8	4000.2	5155.9	4270.1	4093.1
65°	1743.7	5050.2	9576.1	9933.8	8727.2	4086.8	2058.0	2237.5	1704.2	1625.3
67.5°	481.1	3515.3	7045.9	6590.3	6123.2	2661.3	532.0	399.6	285.1	282.5
70°	120.9	2325.3	4221.7	4351.5	3754.6	1704.2	101.8	48.4	38.2	36.9
72.5°	50.9	1000.4	2003.3	2302.4	1921.8	789.1	36.9	14.0	11.5	8.9
75°	6.4	80.2	170.5	258.4	176.9	85.3	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)