

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: P631110

Luminaire Tested: GWS-SA1F-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4830.4 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

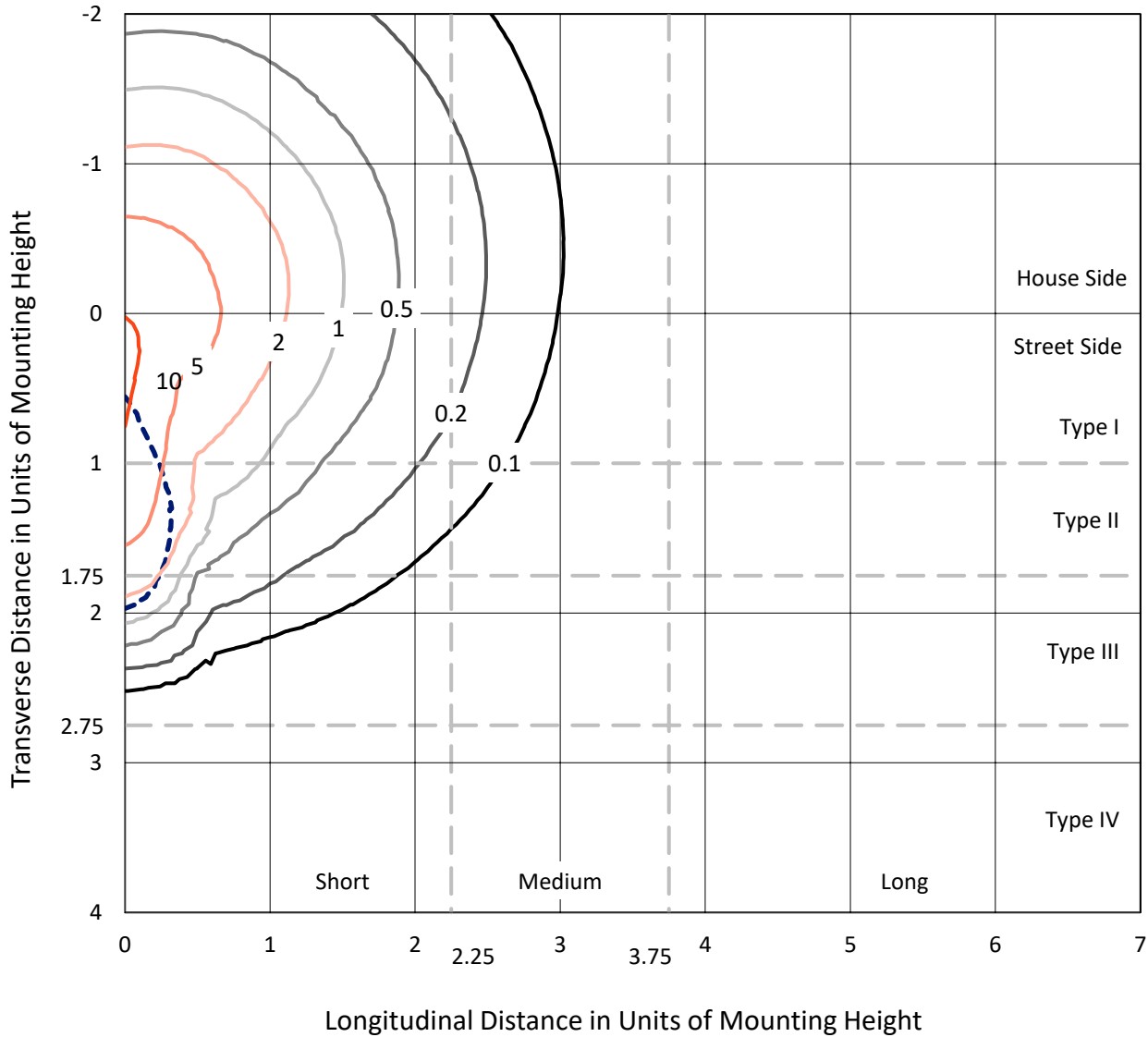
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

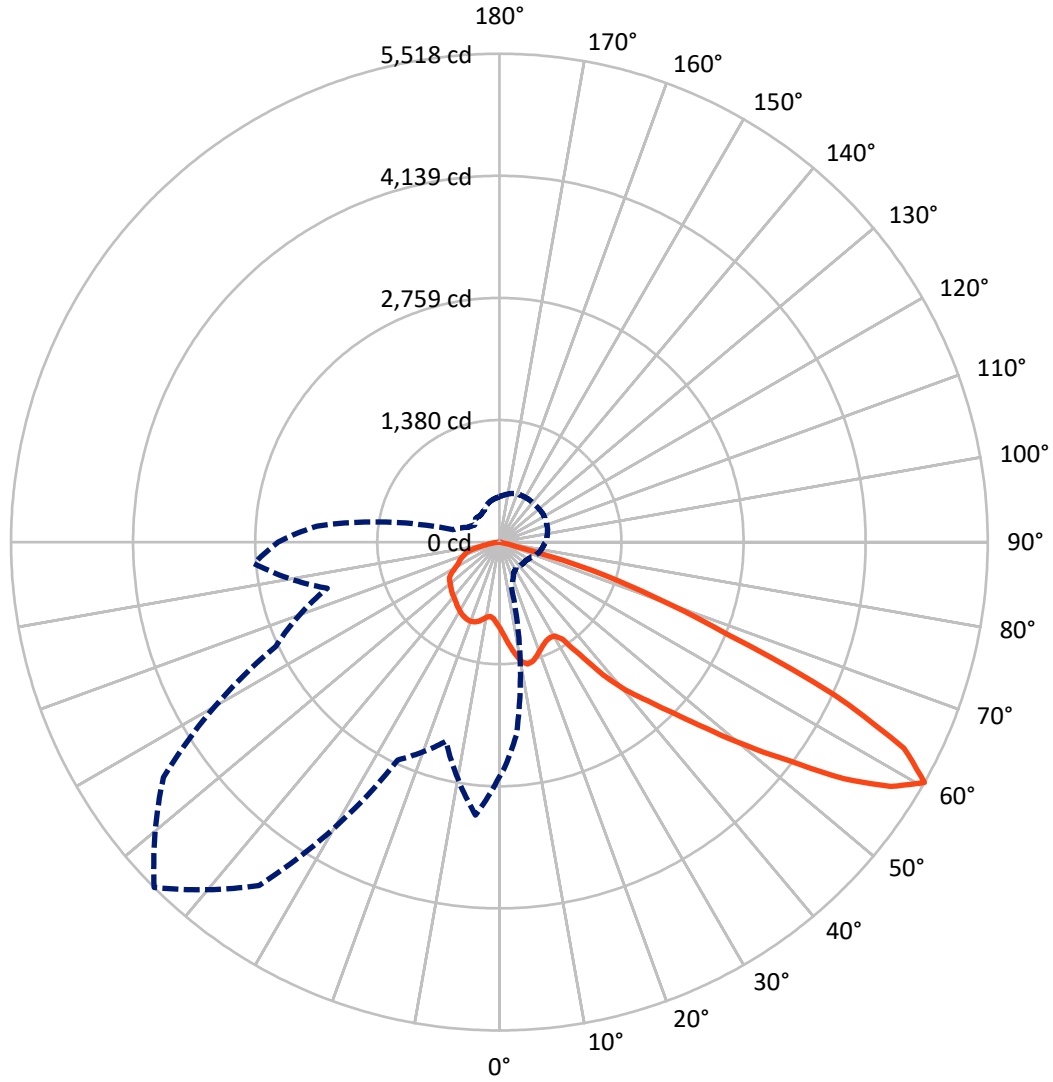
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1652.4	0.0	1652.4
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	3178.0	0.0	3178.0
	% Fixture	65.8	0.0	65.8
Total	Lumens	4830.4	0.0	4830.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	2.0
10°-20°	305.3	6.3
20°-30°	497.2	10.3
30°-40°	698.5	14.5
40°-50°	955.8	19.8
50°-60°	1226.2	25.4
60°-70°	825.7	17.1
70°-80°	206.4	4.3
80°-90°	20.1	0.4
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°	4830.4	100.0
0°-180°	4830.4	100.0

Coefficient of Utilization



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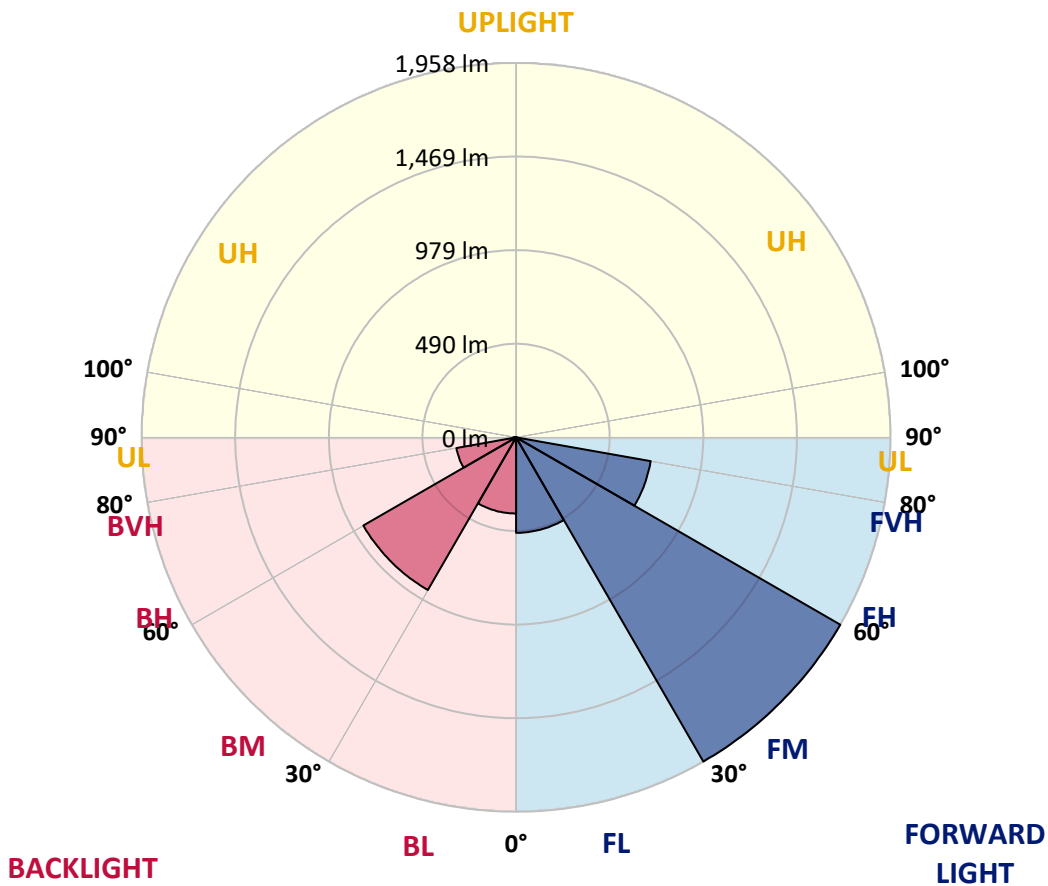
CATALOG NUMBER: GWS-SA1F-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.4	10.3			
FM (30°-60°)	1958.3	40.5			
FH (60°-80°)	715.1	14.8			G1/1800
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	398.3	8.2	B1/500		
BM (30°-60°)	922.2	19.1	B1/1000		
BH (60°-80°)	317.0	6.6	B1/500		G1/500
BVH (80°-90°)	14.9	0.3			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2
2.5°	1030.7	1028.5	1026.3	1008.9	1004.5	992.0	983.1	972.0	956.0	947.1	939.5
5°	1095.2	1091.7	1079.7	1044.1	1021.0	995.6	974.7	951.6	927.1	911.1	898.6
7.5°	1156.2	1155.3	1134.8	1076.1	1038.7	1002.3	973.8	940.0	904.8	880.8	864.8
10°	1212.7	1206.0	1181.5	1105.0	1056.1	1014.3	983.6	946.2	905.3	872.8	851.5
12.5°	1262.5	1254.1	1220.2	1131.7	1071.2	1019.6	986.3	955.6	928.4	901.3	876.8
15°	1303.4	1293.2	1258.9	1156.6	1084.6	1016.5	969.8	945.8	955.1	967.1	940.0
17.5°	1341.7	1331.0	1289.2	1174.9	1088.6	997.4	929.3	919.1	966.2	1021.0	1008.5
20°	1373.7	1361.7	1313.2	1183.8	1081.5	960.9	876.8	894.6	956.9	1022.3	1042.3
22.5°	1408.4	1398.6	1340.4	1196.7	1072.6	910.6	832.8	876.4	940.9	998.3	1028.5
25°	1464.0	1452.0	1382.6	1219.4	1068.1	863.5	801.2	858.6	918.6	970.7	994.3
27.5°	1544.5	1522.3	1440.5	1258.9	1073.0	819.0	781.2	836.8	892.8	937.3	956.4
30°	1632.2	1605.5	1504.5	1299.9	1080.1	791.8	770.5	811.9	853.2	897.7	918.6
32.5°	1735.8	1712.3	1573.0	1330.6	1065.0	779.4	762.5	784.7	817.7	853.2	870.6
35°	1859.5	1817.2	1647.8	1355.5	1016.1	761.2	755.4	754.9	772.3	807.0	826.5
37.5°	1992.5	1947.1	1739.8	1382.2	940.0	732.2	738.5	719.8	735.8	763.4	785.6
40°	2101.5	2053.9	1832.8	1418.7	844.8	686.9	701.1	681.1	690.9	719.3	744.2
42.5°	2208.3	2157.6	1919.6	1460.0	752.7	642.4	649.5	641.9	645.0	674.9	709.5
45°	2348.4	2291.5	2026.3	1489.4	670.0	607.2	600.6	587.7	604.1	642.8	679.7
47.5°	2582.4	2514.3	2201.2	1508.5	609.9	587.2	556.5	549.0	569.4	612.6	650.8
50°	2856.0	2797.3	2480.5	1507.6	565.0	570.3	513.8	507.1	540.9	584.5	625.0
52.5°	3080.2	3020.6	2719.4	1463.1	528.0	534.3	488.9	470.2	516.5	557.0	597.4
55°	3261.3	3194.1	2829.3	1277.2	481.3	476.9	461.8	427.5	485.8	529.4	567.2
57.5°	3163.8	3083.8	2696.3	971.1	433.3	405.3	415.1	389.7	444.0	498.7	535.2
60°	2652.7	2580.6	2190.5	516.9	381.2	338.5	359.0	363.0	398.1	461.8	499.1
62.5°	1822.1	1769.6	1484.5	313.6	300.7	271.8	303.8	332.8	359.0	412.8	445.3
65°	891.5	875.9	742.5	201.1	210.4	219.8	251.8	286.9	325.6	372.8	407.0
67.5°	245.6	247.3	225.1	157.0	165.9	191.7	217.1	245.1	283.8	327.4	362.1
70°	108.1	109.9	113.4	121.0	137.9	161.5	187.7	216.6	252.2	288.7	322.1
72.5°	75.2	77.0	82.3	92.1	107.2	129.5	154.4	181.9	218.9	249.6	277.1
75°	46.3	47.6	52.5	60.9	71.2	88.1	112.5	137.9	170.4	198.4	222.9
77.5°	24.5	23.6	26.7	32.5	41.4	50.3	66.7	82.7	105.9	128.6	149.0
80°	13.3	12.9	14.7	17.8	20.5	27.6	38.7	49.4	62.7	75.6	86.7
82.5°	5.8	5.3	5.8	7.6	9.3	13.3	19.6	27.1	34.7	43.6	50.7
85°	0.0	0.0	0.0	0.4	2.2	3.6	6.7	9.8	14.2	19.6	24.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.0
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°	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2
2.5°	935.1	924.0	923.1	914.2	915.1	915.5	906.6	903.1	906.2	909.7	908.0
5°	894.2	882.6	877.7	869.3	868.4	864.4	860.8	856.4	859.5	862.6	864.4
7.5°	858.6	851.0	847.9	845.7	846.6	844.8	837.7	833.7	833.2	834.6	836.3
10°	847.0	840.8	844.8	851.0	855.5	858.6	851.0	844.3	838.1	835.4	835.4
12.5°	871.9	863.9	871.9	878.6	887.5	889.7	881.3	874.1	871.9	874.6	879.9
15°	927.1	908.4	908.0	912.0	919.1	922.6	914.6	911.1	911.1	928.0	941.3
17.5°	982.2	951.6	938.7	936.4	940.9	942.2	935.5	932.4	940.4	973.4	998.3
20°	1021.0	983.6	955.6	950.2	951.6	952.0	946.7	944.4	956.0	996.0	1016.9
22.5°	1016.9	989.4	955.1	948.4	950.7	949.8	944.9	944.0	953.3	988.0	997.8
25°	989.4	968.0	939.1	934.6	938.2	937.8	932.9	930.6	934.6	957.8	958.7
27.5°	957.8	939.1	914.2	912.8	918.6	921.7	913.3	906.6	905.3	920.9	917.3
30°	920.0	906.2	886.2	887.0	897.7	899.5	889.3	879.5	876.8	885.3	880.4
32.5°	875.0	870.6	859.9	862.1	872.4	875.9	865.2	855.0	851.9	854.6	844.3
35°	836.8	835.0	835.9	839.9	848.8	851.5	842.6	834.6	830.1	820.8	807.4
37.5°	797.2	802.1	815.0	822.5	827.4	826.5	821.7	815.9	808.8	791.4	774.9
40°	760.3	772.7	795.9	804.3	806.1	806.5	803.0	798.1	789.2	766.0	747.4
42.5°	731.8	745.6	776.3	789.2	790.1	791.0	787.4	783.4	770.9	740.2	722.0
45°	702.0	720.2	756.3	771.8	770.9	770.5	767.4	765.6	750.9	715.3	695.3
47.5°	676.6	698.0	736.7	750.0	749.6	749.1	746.9	746.9	732.2	693.5	670.8
50°	651.7	676.2	716.7	727.8	728.7	727.8	726.9	728.2	710.9	669.5	647.3
52.5°	624.6	652.2	694.4	704.7	710.0	712.2	712.2	709.1	688.6	645.5	621.0
55°	594.8	621.0	670.0	683.7	688.2	692.2	692.2	686.0	666.8	623.2	597.0
57.5°	557.9	581.0	619.7	633.5	644.2	646.8	646.8	636.6	621.0	579.2	557.9
60°	517.8	537.8	564.1	578.8	586.8	581.4	585.4	582.8	570.3	531.6	513.8
62.5°	464.4	484.9	513.8	528.9	532.5	527.2	532.5	532.1	515.1	480.4	459.1
65°	426.2	446.2	474.7	494.2	500.0	498.7	502.2	496.9	476.0	443.1	422.6
67.5°	380.8	402.2	435.1	456.9	468.9	470.2	475.1	464.0	442.6	406.6	380.8
70°	337.6	355.9	381.2	401.7	418.6	427.1	428.0	411.9	385.2	355.4	336.8
72.5°	292.3	311.0	341.7	363.9	385.2	395.0	395.0	375.5	346.5	313.6	293.6
75°	237.1	254.5	282.5	306.5	331.0	343.4	343.0	326.1	294.1	262.9	242.0
77.5°	160.6	173.5	191.3	209.5	213.1	222.9	227.8	206.4	188.6	171.7	153.0
80°	93.4	101.4	111.2	121.4	123.7	126.8	118.8	110.8	101.4	90.3	81.9
82.5°	54.7	60.1	64.9	73.0	74.3	75.2	68.1	64.5	56.9	50.3	44.9
85°	26.7	28.5	32.9	36.9	35.1	34.3	31.1	27.6	24.5	21.8	19.1
87.5°	5.3	5.3	8.0	7.6	6.2	5.3	3.1	4.0	0.9	0.9	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°	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2
2.5°	913.7	921.3	930.6	943.1	957.3	972.5	987.1	998.3	1009.4	1025.8	1023.2
5°	867.0	879.9	894.6	913.7	936.9	963.1	992.5	1021.8	1053.4	1080.1	1091.7
7.5°	839.9	854.1	871.5	896.4	926.2	958.2	999.6	1047.2	1098.4	1133.5	1155.3
10°	839.9	858.1	880.8	904.8	931.1	964.0	1015.2	1074.8	1140.6	1186.9	1212.2
12.5°	888.4	906.6	911.5	910.6	925.3	961.8	1027.6	1103.7	1182.4	1231.4	1262.5
15°	964.0	970.2	933.3	899.5	901.7	945.8	1033.4	1126.8	1218.5	1277.2	1311.0
17.5°	1014.7	998.3	932.4	873.3	860.8	918.6	1033.4	1149.1	1256.7	1323.0	1354.6
20°	1018.7	977.8	909.7	847.9	815.9	882.6	1026.3	1166.0	1293.6	1367.1	1400.9
22.5°	983.6	943.1	885.7	826.1	778.9	839.0	1014.7	1178.9	1325.2	1408.4	1450.2
25°	943.5	909.7	861.2	803.9	753.6	795.0	1004.0	1200.7	1369.3	1464.5	1506.7
27.5°	904.4	875.9	831.9	785.2	739.4	756.7	997.4	1232.7	1421.8	1544.1	1580.6
30°	866.1	840.3	800.3	767.4	731.8	731.8	991.6	1269.6	1491.2	1633.5	1670.0
32.5°	827.4	803.0	770.5	750.0	727.3	722.0	975.6	1304.3	1562.8	1731.4	1768.8
35°	791.4	766.9	742.0	733.6	725.1	714.4	936.0	1331.5	1632.6	1845.7	1877.7
37.5°	757.6	734.0	715.3	713.1	714.0	694.0	873.7	1354.1	1719.8	1962.7	1979.6
40°	728.2	702.0	687.3	686.9	691.3	661.1	795.0	1386.6	1819.5	2061.9	2054.8
42.5°	702.0	674.4	656.6	660.6	657.9	628.1	718.0	1416.4	1906.2	2154.9	2140.7
45°	676.2	649.5	624.6	630.4	627.3	607.7	652.6	1438.2	2002.3	2266.6	2268.3
47.5°	651.3	625.0	600.1	593.0	592.6	601.4	602.3	1445.3	2158.9	2446.3	2405.8
50°	628.1	601.9	576.1	552.1	561.4	589.0	565.0	1440.0	2393.3	2644.7	2531.7
52.5°	604.1	579.2	550.7	507.6	532.1	559.2	531.6	1420.9	2536.6	2820.0	2752.3
55°	576.5	553.0	514.3	461.8	491.6	497.4	497.4	1235.8	2597.5	2993.5	3035.3
57.5°	539.6	508.5	447.1	404.8	431.5	409.3	460.9	864.8	2497.0	2938.7	3101.1
60°	497.8	464.4	399.5	369.2	377.2	338.1	392.8	542.3	2069.5	2500.6	2781.7
62.5°	442.6	411.9	358.1	334.5	318.1	275.8	316.3	343.0	1418.7	1856.8	2048.6
65°	405.7	371.9	323.9	292.7	258.9	222.0	210.0	225.1	762.9	1039.2	1168.6
67.5°	362.1	328.8	283.4	244.2	217.1	190.4	169.5	164.2	261.6	346.1	374.6
70°	320.7	288.7	250.9	214.4	187.3	161.0	140.6	125.9	121.0	120.1	118.3
72.5°	278.5	248.7	217.1	183.3	153.5	129.5	111.2	94.3	87.2	85.0	82.7
75°	228.2	204.6	173.0	136.6	112.5	90.3	76.1	64.9	58.7	56.5	53.8
77.5°	146.8	136.1	108.5	88.1	68.1	53.8	46.3	39.1	35.1	34.3	32.0
80°	78.3	73.0	60.1	50.7	40.5	32.9	28.9	24.9	22.7	21.8	20.9
82.5°	43.6	39.6	33.4	29.4	23.6	20.0	17.8	16.0	14.7	14.2	13.8
85°	19.6	16.9	13.3	12.5	11.1	10.2	9.8	8.9	8.5	8.0	7.6
87.5°	0.9	1.8	2.2	1.8	1.8	2.7	3.1	3.1	2.7	2.7	2.2
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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CATALOG NUMBER: GWS-SA1F-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2	974.2
2.5°	1039.6	1053.0	1054.3	1058.8	1053.0	1051.6	1042.3	1037.0	1032.1	1030.7
5°	1120.6	1147.3	1158.0	1165.5	1158.4	1154.9	1134.4	1113.0	1101.0	1095.2
7.5°	1203.8	1243.8	1264.7	1274.1	1275.0	1258.9	1223.8	1183.8	1163.8	1156.2
10°	1278.1	1327.5	1355.0	1372.8	1366.6	1347.0	1299.0	1244.7	1219.4	1212.7
12.5°	1333.2	1380.4	1401.7	1413.3	1412.9	1402.2	1356.8	1298.1	1269.2	1262.5
15°	1368.8	1396.9	1398.2	1400.9	1408.4	1422.7	1399.1	1344.8	1312.8	1303.4
17.5°	1396.9	1385.7	1364.8	1357.7	1374.6	1414.2	1428.4	1384.4	1349.7	1341.7
20°	1414.7	1358.6	1321.7	1307.9	1327.5	1392.0	1446.2	1420.0	1384.0	1373.7
22.5°	1428.4	1333.2	1273.6	1264.3	1284.8	1367.9	1464.5	1462.3	1422.7	1408.4
25°	1450.2	1316.3	1239.8	1233.1	1252.3	1356.4	1488.9	1519.6	1484.5	1464.0
27.5°	1484.5	1314.6	1222.5	1220.2	1246.5	1366.6	1524.1	1603.7	1559.7	1544.5
30°	1532.1	1331.5	1226.5	1230.9	1263.0	1403.5	1578.8	1699.8	1655.8	1632.2
32.5°	1600.6	1376.8	1287.4	1306.5	1330.1	1462.7	1658.9	1803.9	1770.5	1735.8
35°	1690.9	1501.4	1467.6	1549.0	1526.8	1592.1	1755.4	1930.2	1889.8	1859.5
37.5°	1811.5	1756.7	1787.9	1900.0	1846.2	1836.8	1873.3	2045.0	2022.8	1992.5
40°	1980.5	1991.6	2049.0	2196.3	2118.4	2058.4	2017.9	2131.3	2138.9	2101.5
42.5°	2092.6	2143.8	2282.1	2449.4	2342.2	2198.5	2138.9	2241.6	2242.1	2208.3
45°	2134.4	2268.3	2557.5	2750.1	2570.8	2278.6	2205.6	2391.6	2387.1	2348.4
47.5°	2119.3	2373.3	2843.5	3138.0	2864.4	2335.5	2196.3	2605.1	2641.1	2582.4
50°	2087.7	2478.8	3177.6	3613.1	3224.8	2396.0	2182.0	2841.8	2901.4	2856.0
52.5°	2119.8	2596.2	3572.7	4104.3	3676.8	2492.5	2278.1	3145.6	3134.9	3080.2
55°	2221.2	2735.0	4052.7	4721.3	4173.2	2655.8	2525.0	3435.2	3326.7	3261.3
57.5°	2216.3	2834.2	4473.5	5209.3	4605.2	2789.7	2610.9	3465.9	3246.6	3163.8
60°	2011.7	2788.8	4633.6	5518.0	4735.5	2715.9	2328.4	3095.8	2739.4	2652.7
62.5°	1501.4	2474.7	4323.1	5131.4	4366.7	2345.7	1751.0	2222.1	1968.5	1822.1
65°	960.4	1936.0	3634.5	4157.2	3599.4	1794.1	1042.7	1191.3	933.3	891.5
67.5°	408.8	1366.6	2825.3	2778.6	2692.7	1162.4	402.6	335.4	250.0	245.6
70°	135.2	929.8	1741.6	1853.3	1608.2	800.7	133.0	112.5	112.1	108.1
72.5°	88.5	499.1	980.5	1091.7	1034.7	460.9	80.5	75.2	77.0	75.2
75°	52.9	108.5	165.0	214.4	165.0	77.4	48.5	47.6	48.5	46.3
77.5°	31.1	30.3	29.4	29.4	28.9	26.7	24.5	23.6	24.0	24.5
80°	20.0	19.1	18.2	17.8	15.6	14.7	13.8	12.9	12.9	13.3
82.5°	12.9	12.0	11.1	9.8	8.0	6.7	6.2	5.3	5.3	5.8
85°	6.7	5.3	4.0	3.1	1.8	0.9	0.0	0.0	0.0	0.0
87.5°	1.3	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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