

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: P630615

Luminaire Tested: GWS-SA1E-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630615
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-SA1E-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: 4344.6 lumens
Efficiency: N/A
Efficacy: 74.4 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

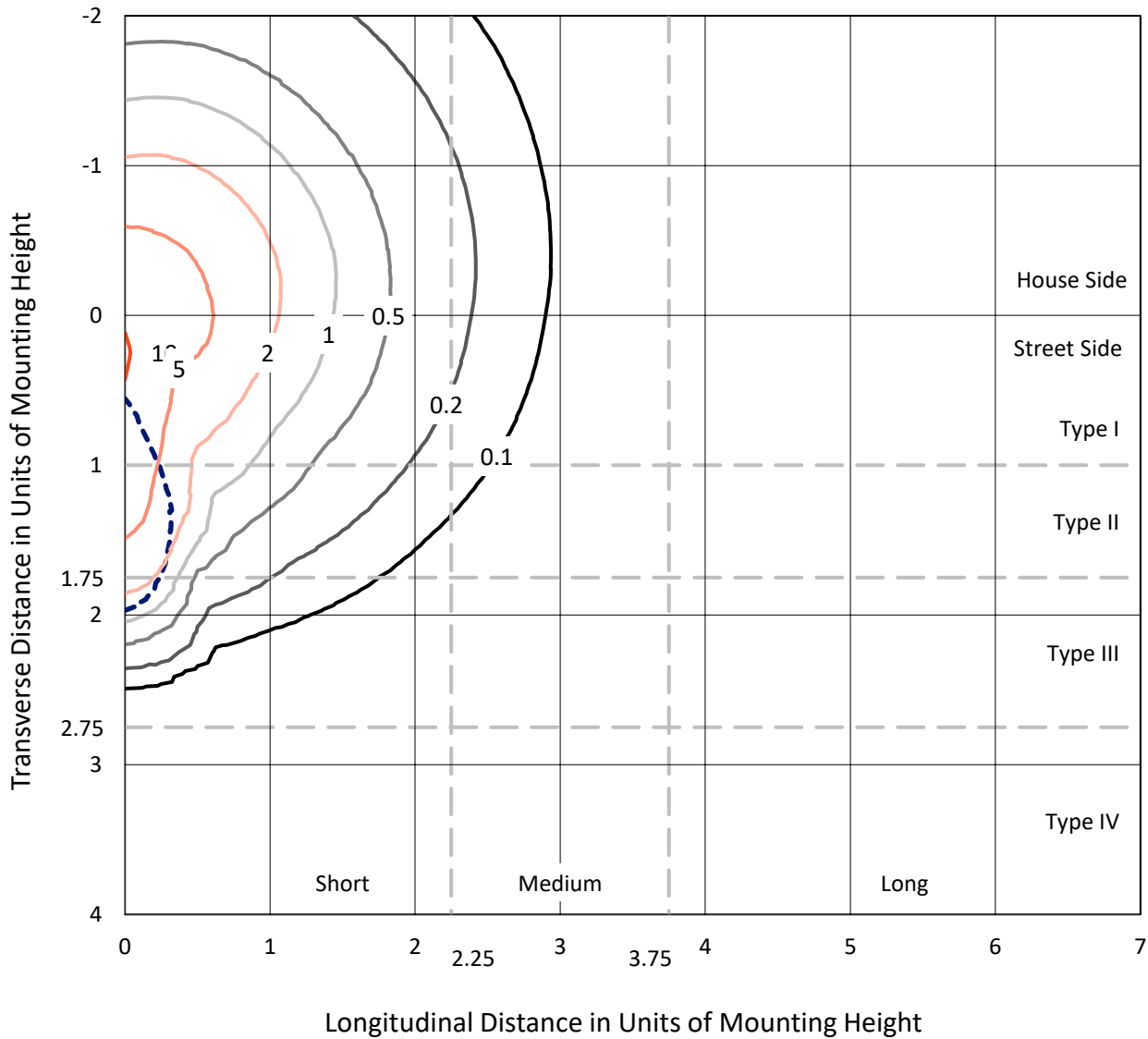
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

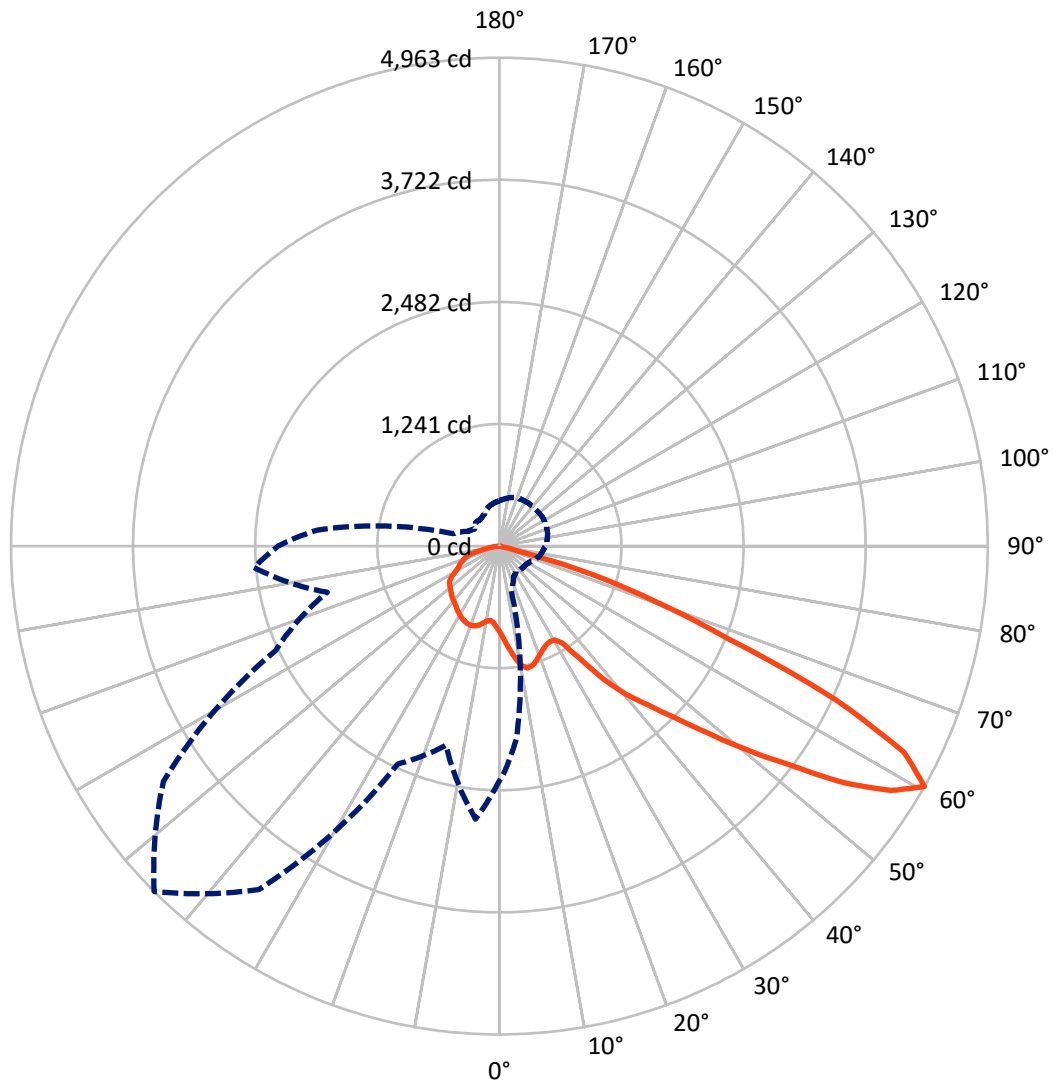
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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	1486.2	0.0	1486.2
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	2858.4	0.0	2858.4
	% Fixture	65.8	0.0	65.8
Total	Lumens	4344.6	0.0	4344.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	2.0
10°-20°	274.6	6.3
20°-30°	447.2	10.3
30°-40°	628.2	14.5
40°-50°	859.7	19.8
50°-60°	1102.9	25.4
60°-70°	742.6	17.1
70°-80°	185.7	4.3
80°-90°	18.1	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°	4344.6	100.0
0°-180°	4344.6	100.0

Coefficient of Utilization



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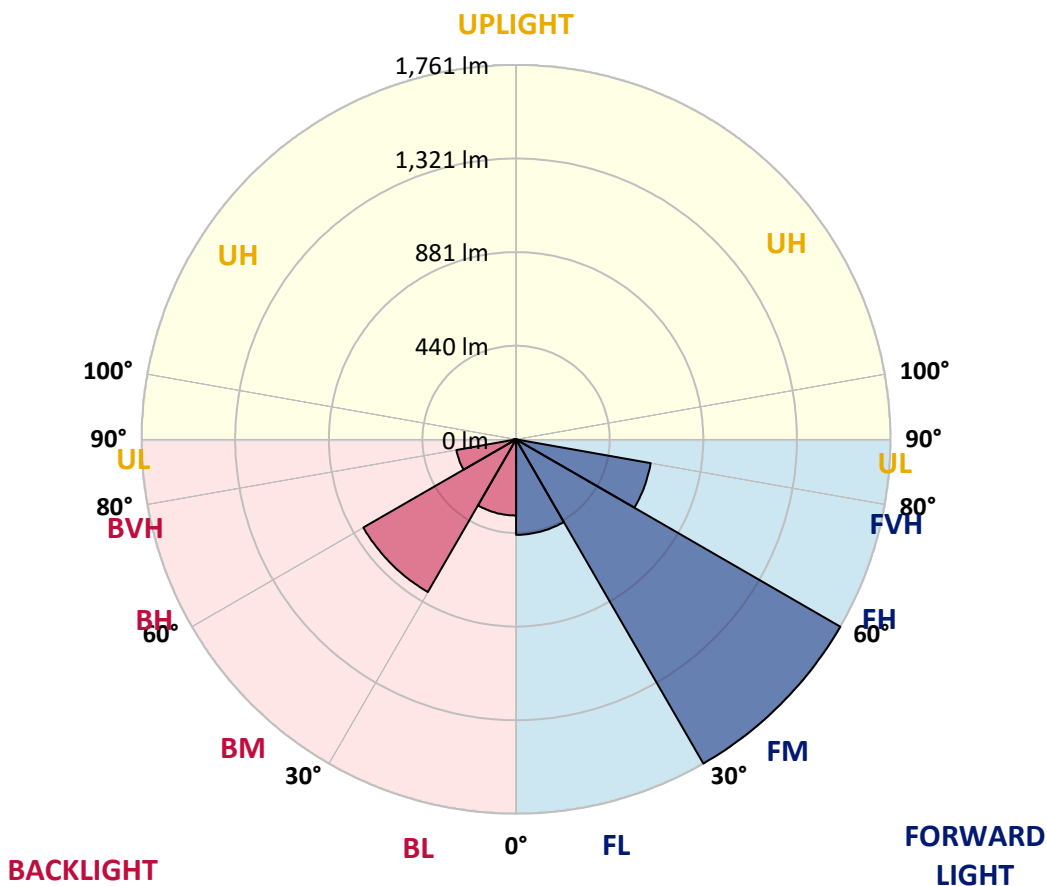
CATALOG NUMBER: GWS-SA1E-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.1	10.3			
FM (30°-60°)	1761.3	40.5			
FH (60°-80°)	643.2	14.8			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	358.3	8.2	B1/500		
BM (30°-60°)	829.4	19.1	B1/1000		
BH (60°-80°)	285.1	6.6	B1/500		G1/500
BVH (80°-90°)	13.4	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°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	927.1	925.1	923.1	907.5	903.5	892.3	884.3	874.3	859.9	851.9	845.1
5°	985.1	981.9	971.1	939.1	918.3	895.5	876.7	855.9	833.8	819.4	808.2
7.5°	1039.9	1039.1	1020.7	967.9	934.3	901.5	875.9	845.5	813.8	792.2	777.8
10°	1090.7	1084.7	1062.7	993.9	949.9	912.3	884.7	851.1	814.2	785.0	765.8
12.5°	1135.5	1127.9	1097.5	1017.9	963.5	917.1	887.1	859.5	835.0	810.6	788.6
15°	1172.3	1163.1	1132.3	1040.3	975.5	914.3	872.3	850.7	859.1	869.9	845.5
17.5°	1206.8	1197.2	1159.5	1056.7	979.1	897.1	835.8	826.6	869.1	918.3	907.1
20°	1235.6	1224.8	1181.1	1064.7	972.7	864.3	788.6	804.6	860.7	919.5	937.5
22.5°	1266.8	1258.0	1205.6	1076.3	964.7	819.0	749.0	788.2	846.3	897.9	925.1
25°	1316.8	1306.0	1243.6	1096.7	960.7	776.6	720.6	772.2	826.2	873.1	894.3
27.5°	1389.2	1369.2	1295.6	1132.3	965.1	736.6	702.6	752.6	803.0	843.0	860.3
30°	1468.0	1444.0	1353.2	1169.1	971.5	712.2	693.0	730.2	767.4	807.4	826.2
32.5°	1561.3	1540.1	1414.8	1196.8	957.9	701.0	685.8	705.8	735.4	767.4	783.0
35°	1672.5	1634.5	1482.0	1219.2	913.9	684.6	679.4	679.0	694.6	725.8	743.4
37.5°	1792.1	1751.3	1564.9	1243.2	845.5	658.6	664.2	647.4	661.8	686.6	706.6
40°	1890.2	1847.3	1648.5	1276.0	759.8	617.8	630.6	612.6	621.4	647.0	669.4
42.5°	1986.2	1940.6	1726.5	1313.2	677.0	577.8	584.2	577.4	580.2	607.0	638.2
45°	2112.2	2061.0	1822.5	1339.6	602.6	546.2	540.2	528.6	543.4	578.2	611.4
47.5°	2322.7	2261.5	1979.8	1356.8	548.6	528.2	500.5	493.7	512.2	551.0	585.4
50°	2568.8	2515.9	2231.1	1356.0	508.2	513.0	462.1	456.1	486.5	525.8	562.2
52.5°	2770.4	2716.8	2445.9	1316.0	474.9	480.5	439.7	422.9	464.5	500.9	537.4
55°	2933.3	2872.9	2544.8	1148.7	432.9	428.9	415.3	384.5	436.9	476.1	510.2
57.5°	2845.6	2773.6	2425.1	873.5	389.7	364.5	373.3	350.5	399.3	448.5	481.3
60°	2385.9	2321.1	1970.2	464.9	342.9	304.5	322.9	326.5	358.1	415.3	448.9
62.5°	1638.9	1591.7	1335.2	282.1	270.5	244.5	273.3	299.3	322.9	371.3	400.5
65°	801.8	787.8	667.8	180.9	189.3	197.7	226.5	258.1	292.9	335.3	366.1
67.5°	220.9	222.5	202.5	141.2	149.2	172.5	195.3	220.5	255.3	294.5	325.7
70°	97.2	98.8	102.0	108.8	124.0	145.2	168.9	194.9	226.9	259.7	289.7
72.5°	67.6	69.2	74.0	82.8	96.4	116.4	138.8	163.6	196.9	224.5	249.3
75°	41.6	42.8	47.2	54.8	64.0	79.2	101.2	124.0	153.2	178.5	200.5
77.5°	22.0	21.2	24.0	29.2	37.2	45.2	60.0	74.4	95.2	115.6	134.0
80°	12.0	11.6	13.2	16.0	18.4	24.8	34.8	44.4	56.4	68.0	78.0
82.5°	5.2	4.8	5.2	6.8	8.4	12.0	17.6	24.4	31.2	39.2	45.6
85°	0.0	0.0	0.0	0.4	2.0	3.2	6.0	8.8	12.8	17.6	21.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.6
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°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	841.0	831.0	830.2	822.2	823.0	823.4	815.4	812.2	815.0	818.2	816.6
5°	804.2	793.8	789.4	781.8	781.0	777.4	774.2	770.2	773.0	775.8	777.4
7.5°	772.2	765.4	762.6	760.6	761.4	759.8	753.4	749.8	749.4	750.6	752.2
10°	761.8	756.2	759.8	765.4	769.4	772.2	765.4	759.4	753.8	751.4	751.4
12.5°	784.2	777.0	784.2	790.2	798.2	800.2	792.6	786.2	784.2	786.6	791.4
15°	833.8	817.0	816.6	820.2	826.6	829.8	822.6	819.4	819.4	834.6	846.7
17.5°	883.5	855.9	844.3	842.2	846.3	847.5	841.4	838.6	845.9	875.5	897.9
20°	918.3	884.7	859.5	854.7	855.9	856.3	851.5	849.5	859.9	895.9	914.7
22.5°	914.7	889.9	859.1	853.1	855.1	854.3	849.9	849.1	857.5	888.7	897.5
25°	889.9	870.7	844.7	840.6	843.9	843.4	839.0	837.0	840.6	861.5	862.3
27.5°	861.5	844.7	822.2	821.0	826.2	829.0	821.4	815.4	814.2	828.2	825.0
30°	827.4	815.0	797.0	797.8	807.4	809.0	799.8	791.0	788.6	796.2	791.8
32.5°	787.0	783.0	773.4	775.4	784.6	787.8	778.2	769.0	766.2	768.6	759.4
35°	752.6	751.0	751.8	755.4	763.4	765.8	757.8	750.6	746.6	738.2	726.2
37.5°	717.0	721.4	733.0	739.8	744.2	743.4	739.0	733.8	727.4	711.8	697.0
40°	683.8	695.0	715.8	723.4	725.0	725.4	722.2	717.8	709.8	689.0	672.2
42.5°	658.2	670.6	698.2	709.8	710.6	711.4	708.2	704.6	693.4	665.8	649.4
45°	631.4	647.8	680.2	694.2	693.4	693.0	690.2	688.6	675.4	643.4	625.4
47.5°	608.6	627.8	662.6	674.6	674.2	673.8	671.8	671.8	658.6	623.8	603.4
50°	586.2	608.2	644.6	654.6	655.4	654.6	653.8	655.0	639.4	602.2	582.2
52.5°	561.8	586.6	624.6	633.8	638.6	640.6	640.6	637.8	619.4	580.6	558.6
55°	535.0	558.6	602.6	615.0	619.0	622.6	622.6	617.0	599.8	560.6	537.0
57.5°	501.7	522.6	557.4	569.8	579.4	581.8	581.8	572.6	558.6	521.0	501.7
60°	465.7	483.7	507.4	520.6	527.8	523.0	526.6	524.2	513.0	478.1	462.1
62.5°	417.7	436.1	462.1	475.7	478.9	474.1	478.9	478.5	463.3	432.1	412.9
65°	383.3	401.3	426.9	444.5	449.7	448.5	451.7	446.9	428.1	398.5	380.1
67.5°	342.5	361.7	391.3	410.9	421.7	422.9	427.3	417.3	398.1	365.7	342.5
70°	303.7	320.1	342.9	361.3	376.5	384.1	384.9	370.5	346.5	319.7	302.9
72.5°	262.9	279.7	307.3	327.3	346.5	355.3	355.3	337.7	311.7	282.1	264.1
75°	213.3	228.9	254.1	275.7	297.7	308.9	308.5	293.3	264.5	236.5	217.7
77.5°	144.4	156.0	172.1	188.5	191.7	200.5	204.9	185.7	169.7	154.4	137.6
80°	84.0	91.2	100.0	109.2	111.2	114.0	106.8	99.6	91.2	81.2	73.6
82.5°	49.2	54.0	58.4	65.6	66.8	67.6	61.2	58.0	51.2	45.2	40.4
85°	24.0	25.6	29.6	33.2	31.6	30.8	28.0	24.8	22.0	19.6	17.2
87.5°	4.8	4.8	7.2	6.8	5.6	4.8	2.8	3.6	0.8	0.8	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°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	821.8	828.6	837.0	848.3	861.1	874.7	887.9	897.9	907.9	922.7	920.3
5°	779.8	791.4	804.6	821.8	842.6	866.3	892.7	919.1	947.5	971.5	981.9
7.5°	755.4	768.2	783.8	806.2	833.0	861.9	899.1	941.9	987.9	1019.5	1039.1
10°	755.4	771.8	792.2	813.8	837.4	867.1	913.1	966.7	1025.9	1067.5	1090.3
12.5°	799.0	815.4	819.8	819.0	832.2	865.1	924.3	992.7	1063.5	1107.5	1135.5
15°	867.1	872.7	839.4	809.0	811.0	850.7	929.5	1013.5	1095.9	1148.7	1179.1
17.5°	912.7	897.9	838.6	785.4	774.2	826.2	929.5	1033.5	1130.3	1190.0	1218.4
20°	916.3	879.5	818.2	762.6	733.8	793.8	923.1	1048.7	1163.5	1229.6	1260.0
22.5°	884.7	848.3	796.6	743.0	700.6	754.6	912.7	1060.3	1192.0	1266.8	1304.4
25°	848.7	818.2	774.6	723.0	677.8	715.0	903.1	1079.9	1231.6	1317.2	1355.2
27.5°	813.4	787.8	748.2	706.2	665.0	680.6	897.1	1108.7	1278.8	1388.8	1421.6
30°	779.0	755.8	719.8	690.2	658.2	658.2	891.9	1141.9	1341.2	1469.2	1502.0
32.5°	744.2	722.2	693.0	674.6	654.2	649.4	877.5	1173.1	1405.6	1557.3	1590.9
35°	711.8	689.8	667.4	659.8	652.2	642.6	841.8	1197.6	1468.4	1660.1	1688.9
37.5°	681.4	660.2	643.4	641.4	642.2	624.2	785.8	1218.0	1546.9	1765.3	1780.5
40°	655.0	631.4	618.2	617.8	621.8	594.6	715.0	1247.2	1636.5	1854.5	1848.1
42.5°	631.4	606.6	590.6	594.2	591.8	565.0	645.8	1274.0	1714.5	1938.2	1925.4
45°	608.2	584.2	561.8	567.0	564.2	546.6	587.0	1293.6	1800.9	2038.6	2040.2
47.5°	585.8	562.2	539.8	533.4	533.0	541.0	541.8	1300.0	1941.8	2200.3	2163.8
50°	565.0	541.4	518.2	496.5	504.9	529.8	508.2	1295.2	2152.6	2378.7	2277.1
52.5°	543.4	521.0	495.3	456.5	478.5	502.9	478.1	1278.0	2281.5	2536.4	2475.5
55°	518.6	497.3	462.5	415.3	442.1	447.3	447.3	1111.5	2336.3	2692.4	2730.0
57.5°	485.3	457.3	402.1	364.1	388.1	368.1	414.5	777.8	2245.9	2643.2	2789.2
60°	447.7	417.7	359.3	332.1	339.3	304.1	353.3	487.7	1861.4	2249.1	2501.9
62.5°	398.1	370.5	322.1	300.9	286.1	248.1	284.5	308.5	1276.0	1670.1	1842.5
65°	364.9	334.5	291.3	263.3	232.9	199.7	188.9	202.5	686.2	934.7	1051.1
67.5°	325.7	295.7	254.9	219.7	195.3	171.3	152.4	147.6	235.3	311.3	336.9
70°	288.5	259.7	225.7	192.9	168.4	144.8	126.4	113.2	108.8	108.0	106.4
72.5°	250.5	223.7	195.3	164.8	138.0	116.4	100.0	84.8	78.4	76.4	74.4
75°	205.3	184.1	155.6	122.8	101.2	81.2	68.4	58.4	52.8	50.8	48.4
77.5°	132.0	122.4	97.6	79.2	61.2	48.4	41.6	35.2	31.6	30.8	28.8
80°	70.4	65.6	54.0	45.6	36.4	29.6	26.0	22.4	20.4	19.6	18.8
82.5°	39.2	35.6	30.0	26.4	21.2	18.0	16.0	14.4	13.2	12.8	12.4
85°	17.6	15.2	12.0	11.2	10.0	9.2	8.8	8.0	7.6	7.2	6.8
87.5°	0.8	1.6	2.0	1.6	1.6	2.4	2.8	2.8	2.4	2.4	2.0
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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CATALOG NUMBER: GWS-SA1E-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3	876.3
2.5°	935.1	947.1	948.3	952.3	947.1	945.9	937.5	932.7	928.3	927.1
5°	1007.9	1031.9	1041.5	1048.3	1041.9	1038.7	1020.3	1001.1	990.3	985.1
7.5°	1082.7	1118.7	1137.5	1145.9	1146.7	1132.3	1100.7	1064.7	1046.7	1039.9
10°	1149.5	1194.0	1218.8	1234.8	1229.2	1211.6	1168.3	1119.5	1096.7	1090.7
12.5°	1199.2	1241.6	1260.8	1271.2	1270.8	1261.2	1220.4	1167.5	1141.5	1135.5
15°	1231.2	1256.4	1257.6	1260.0	1266.8	1279.6	1258.4	1209.6	1180.7	1172.3
17.5°	1256.4	1246.4	1227.6	1221.2	1236.4	1272.0	1284.8	1245.2	1214.0	1206.8
20°	1272.4	1222.0	1188.8	1176.3	1194.0	1252.0	1300.8	1277.2	1244.8	1235.6
22.5°	1284.8	1199.2	1145.5	1137.1	1155.5	1230.4	1317.2	1315.2	1279.6	1266.8
25°	1304.4	1184.0	1115.1	1109.1	1126.3	1220.0	1339.2	1366.8	1335.2	1316.8
27.5°	1335.2	1182.4	1099.5	1097.5	1121.1	1229.2	1370.8	1442.4	1402.8	1389.2
30°	1378.0	1197.6	1103.1	1107.1	1135.9	1262.4	1420.0	1528.9	1489.2	1468.0
32.5°	1439.6	1238.4	1157.9	1175.1	1196.4	1315.6	1492.0	1622.5	1592.5	1561.3
35°	1520.9	1350.4	1320.0	1393.2	1373.2	1432.0	1578.9	1736.1	1699.7	1672.5
37.5°	1629.3	1580.1	1608.1	1708.9	1660.5	1652.1	1684.9	1839.3	1819.3	1792.1
40°	1781.3	1791.3	1842.9	1975.4	1905.4	1851.3	1814.9	1917.0	1923.8	1890.2
42.5°	1882.2	1928.2	2052.6	2203.1	2106.6	1977.4	1923.8	2016.2	2016.6	1986.2
45°	1919.8	2040.2	2300.3	2473.5	2312.3	2049.4	1983.8	2151.0	2147.0	2112.2
47.5°	1906.2	2134.6	2557.6	2822.4	2576.4	2100.6	1975.4	2343.1	2375.5	2322.7
50°	1877.8	2229.5	2858.0	3249.8	2900.5	2155.0	1962.6	2556.0	2609.6	2568.8
52.5°	1906.6	2335.1	3213.4	3691.5	3307.0	2241.9	2049.0	2829.2	2819.6	2770.4
55°	1997.8	2459.9	3645.1	4246.5	3753.5	2388.7	2271.1	3089.7	2992.1	2933.3
57.5°	1993.4	2549.2	4023.6	4685.4	4142.0	2509.1	2348.3	3117.3	2920.1	2845.6
60°	1809.3	2508.3	4167.6	4963.1	4259.3	2442.7	2094.2	2784.4	2463.9	2385.9
62.5°	1350.4	2225.9	3888.4	4615.4	3927.6	2109.8	1574.9	1998.6	1770.5	1638.9
65°	863.9	1741.3	3269.0	3739.1	3237.4	1613.7	937.9	1071.5	839.4	801.8
67.5°	367.7	1229.2	2541.2	2499.1	2421.9	1045.5	362.1	301.7	224.9	220.9
70°	121.6	836.2	1566.5	1666.9	1446.4	720.2	119.6	101.2	100.8	97.2
72.5°	79.6	448.9	881.9	981.9	930.7	414.5	72.4	67.6	69.2	67.6
75°	47.6	97.6	148.4	192.9	148.4	69.6	43.6	42.8	43.6	41.6
77.5°	28.0	27.2	26.4	26.4	26.0	24.0	22.0	21.2	21.6	22.0
80°	18.0	17.2	16.4	16.0	14.0	13.2	12.4	11.6	11.6	12.0
82.5°	11.6	10.8	10.0	8.8	7.2	6.0	5.6	4.8	4.8	5.2
85°	6.0	4.8	3.6	2.8	1.6	0.8	0.0	0.0	0.0	0.0
87.5°	1.2	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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