

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: P630340

Luminaire Tested: GWS-SA1D-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630340
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-SA1D-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4719.9 lumens
Efficiency: N/A
Efficacy: 106.5 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

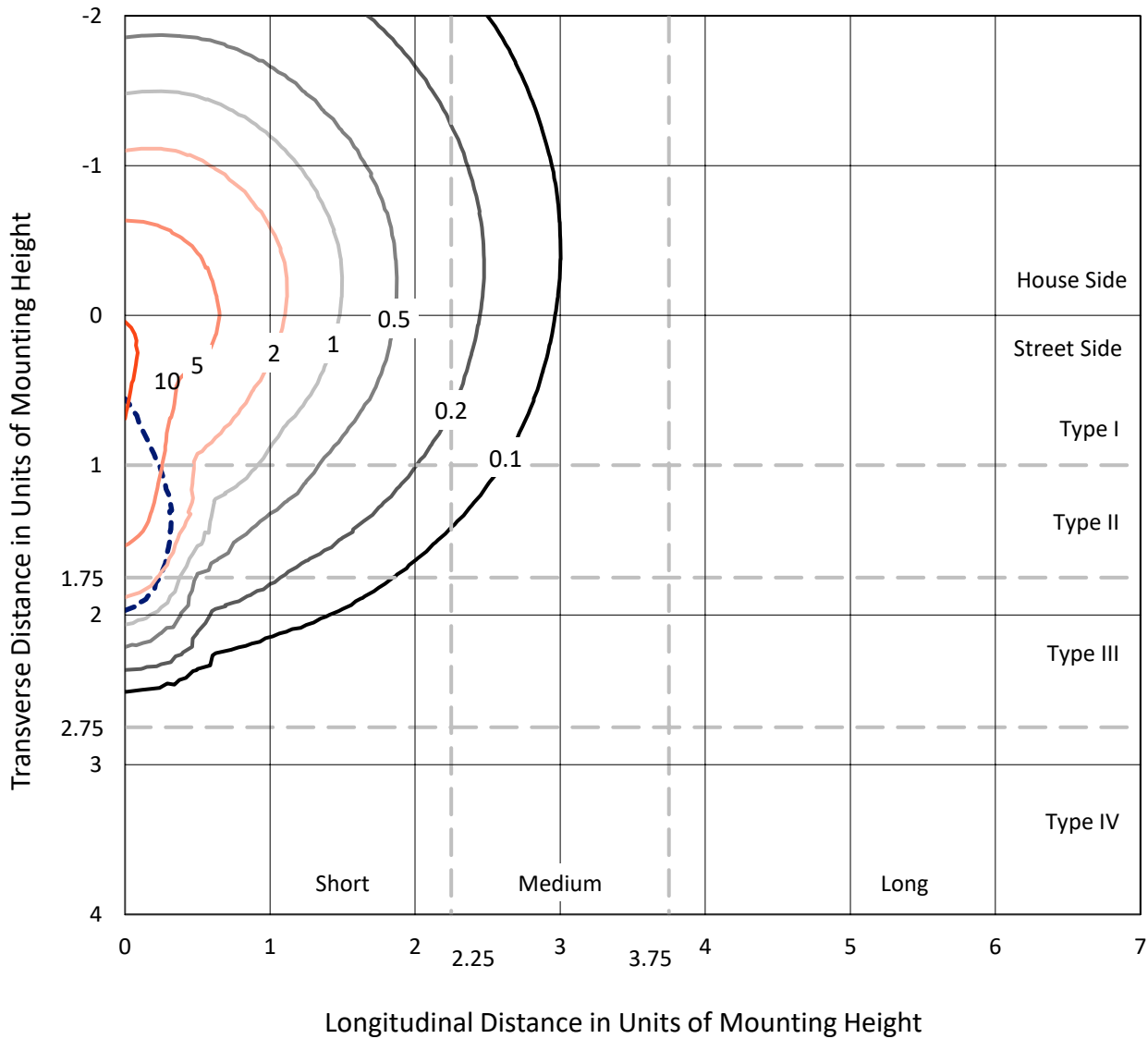
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

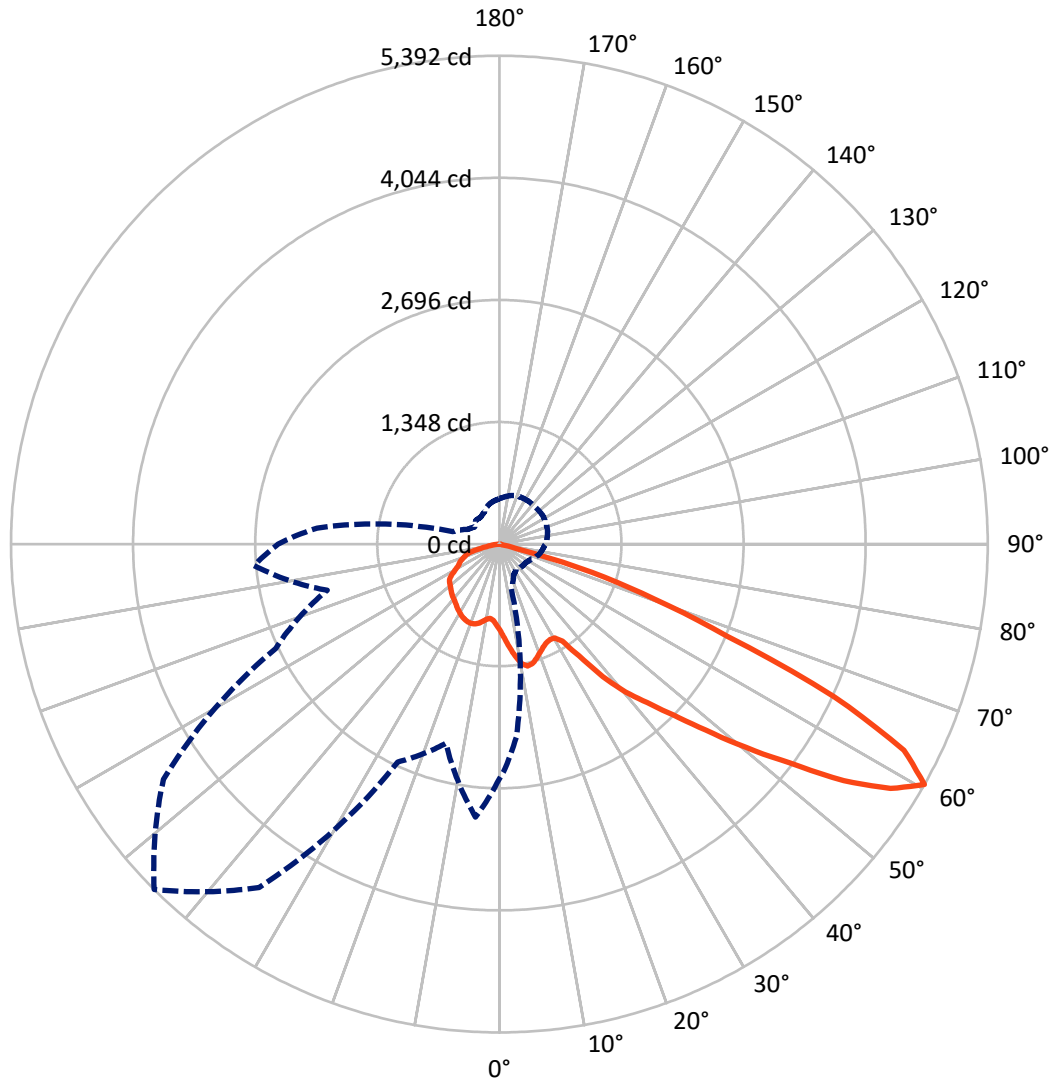
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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	1614.6	0.0	1614.6
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	3105.3	0.0	3105.3
	% Fixture	65.8	0.0	65.8
Total	Lumens	4719.9	0.0	4719.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	2.0
10°-20°	298.3	6.3
20°-30°	485.8	10.3
30°-40°	682.5	14.5
40°-50°	933.9	19.8
50°-60°	1198.2	25.4
60°-70°	806.8	17.1
70°-80°	201.7	4.3
80°-90°	19.7	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°	4719.9	100.0
0°-180°	4719.9	100.0

Coefficient of Utilization



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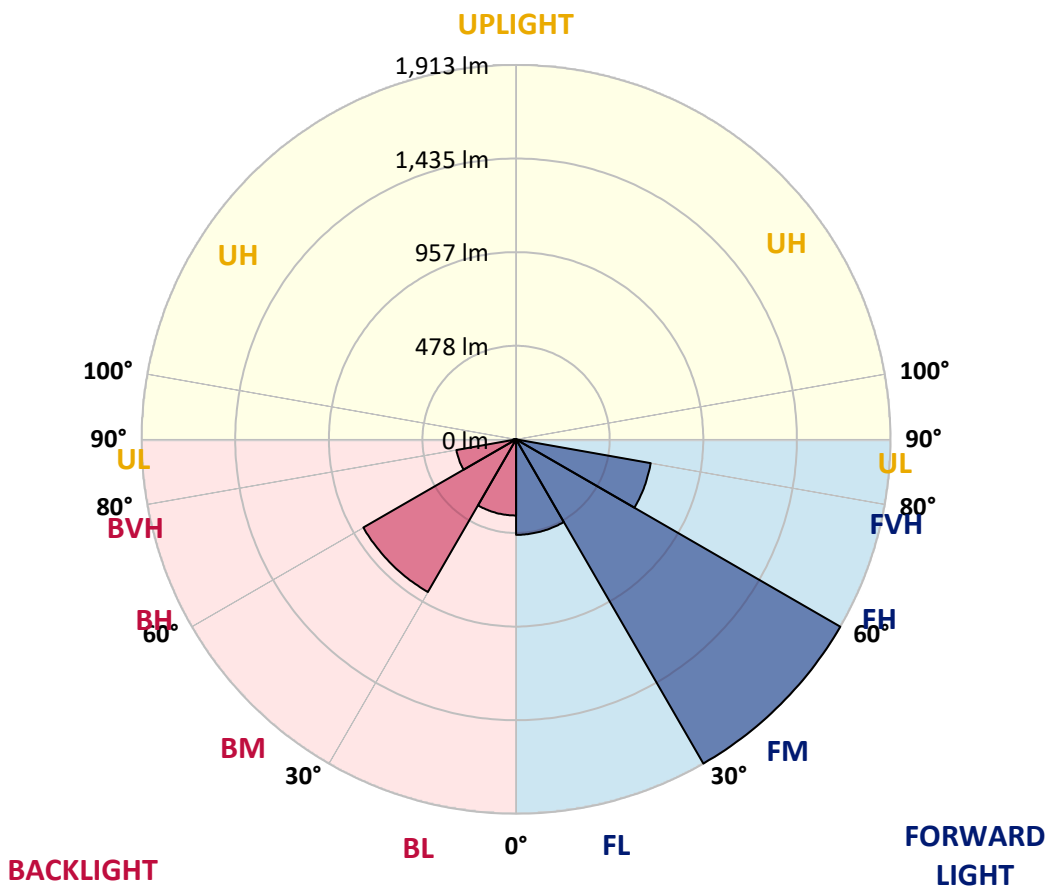
CATALOG NUMBER: GWS-SA1D-740-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.9	10.3			
FM (30°-60°)	1913.5	40.5			
FH (60°-80°)	698.7	14.8			G1/1800
FVH (80°-90°)	5.1	0.1			G0/10
BL (0°-30°)	389.2	8.2	B1/500		
BM (30°-60°)	901.1	19.1	B1/1000		
BH (60°-80°)	309.8	6.6	B1/500		G1/500
BVH (80°-90°)	14.6	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°	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0
2.5°	1007.2	1005.0	1002.8	985.9	981.5	969.3	960.6	949.8	934.1	925.4	918.0
5°	1070.2	1066.7	1055.0	1020.2	997.6	972.8	952.4	929.8	905.9	890.2	878.1
7.5°	1129.7	1128.9	1108.9	1051.5	1015.0	979.3	951.5	918.5	884.1	860.7	845.0
10°	1184.9	1178.4	1154.5	1079.8	1031.9	991.1	961.1	924.6	884.6	852.8	832.0
12.5°	1233.6	1225.4	1192.3	1105.8	1046.7	996.3	963.7	933.7	907.2	880.7	856.8
15°	1273.6	1263.6	1230.2	1130.2	1059.8	993.2	947.6	924.1	933.3	945.0	918.5
17.5°	1311.0	1300.6	1259.7	1148.0	1063.7	974.6	908.1	898.1	944.1	997.6	985.4
20°	1342.3	1330.6	1283.2	1156.7	1056.7	938.9	856.8	874.1	935.0	998.9	1018.5
22.5°	1376.2	1366.6	1309.7	1169.3	1048.0	889.8	813.7	856.3	919.4	975.4	1005.0
25°	1430.5	1418.8	1351.0	1191.5	1043.7	843.7	782.9	838.9	897.6	948.5	971.5
27.5°	1509.2	1487.5	1407.5	1230.2	1048.5	800.2	763.3	817.6	872.4	915.9	934.6
30°	1594.8	1568.8	1470.1	1270.1	1055.4	773.7	752.9	793.3	833.7	877.2	897.6
32.5°	1696.1	1673.1	1537.0	1300.1	1040.6	761.6	745.0	766.8	798.9	833.7	850.7
35°	1817.0	1775.7	1610.1	1324.5	992.8	743.7	738.1	737.7	754.6	788.5	807.6
37.5°	1946.9	1902.6	1700.0	1350.6	918.5	715.5	721.6	703.3	719.0	745.9	767.6
40°	2053.4	2006.9	1790.9	1386.2	825.5	671.1	685.1	665.5	675.1	702.9	727.2
42.5°	2157.8	2108.2	1875.7	1426.6	735.5	627.7	634.6	627.2	630.3	659.4	693.3
45°	2294.7	2239.0	1980.0	1455.3	654.6	593.3	586.8	574.2	590.3	628.1	664.2
47.5°	2523.3	2456.8	2150.8	1474.0	595.9	573.8	543.8	536.4	556.4	598.6	635.9
50°	2790.7	2733.3	2423.8	1473.1	552.0	557.3	502.1	495.5	528.6	571.2	610.7
52.5°	3009.7	2951.5	2657.2	1429.7	516.0	522.1	477.7	459.5	504.7	544.2	583.8
55°	3186.7	3121.0	2764.6	1248.0	470.3	466.0	451.2	417.7	474.7	517.3	554.2
57.5°	3091.5	3013.2	2634.6	948.9	423.4	396.0	405.6	380.8	433.8	487.3	522.9
60°	2592.0	2521.6	2140.4	505.1	372.5	330.8	350.8	354.7	389.0	451.2	487.7
62.5°	1780.5	1729.2	1450.5	306.5	293.8	265.6	296.9	325.1	350.8	403.4	435.1
65°	871.1	855.9	725.5	196.5	205.6	214.7	246.0	280.4	318.2	364.3	397.7
67.5°	239.9	241.7	219.9	153.4	162.1	187.3	212.1	239.5	277.3	319.9	353.8
70°	105.6	107.4	110.8	118.2	134.8	157.8	183.4	211.7	246.5	282.1	314.7
72.5°	73.5	75.2	80.4	90.0	104.8	126.5	150.8	177.8	213.9	243.9	270.8
75°	45.2	46.5	51.3	59.6	69.5	86.1	110.0	134.8	166.5	193.9	217.8
77.5°	23.9	23.0	26.1	31.7	40.4	49.1	65.2	80.9	103.5	125.6	145.6
80°	13.0	12.6	14.3	17.4	20.0	27.0	37.8	48.2	61.3	73.9	84.8
82.5°	5.7	5.2	5.7	7.4	9.1	13.0	19.1	26.5	33.9	42.6	49.6
85°	0.0	0.0	0.0	0.4	2.2	3.5	6.5	9.6	13.9	19.1	23.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.9
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°	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0
2.5°	913.7	902.8	902.0	893.3	894.1	894.6	885.9	882.4	885.4	888.9	887.2
5°	873.7	862.4	857.6	849.4	848.5	844.6	841.1	836.8	839.8	842.8	844.6
7.5°	838.9	831.5	828.5	826.3	827.2	825.5	818.5	814.6	814.2	815.5	817.2
10°	827.6	821.5	825.5	831.5	835.9	838.9	831.5	825.0	818.9	816.3	816.3
12.5°	852.0	844.2	852.0	858.5	867.2	869.4	861.1	854.2	852.0	854.6	859.8
15°	905.9	887.6	887.2	891.1	898.1	901.5	893.7	890.2	890.2	906.7	919.8
17.5°	959.8	929.8	917.2	915.0	919.4	920.7	914.1	911.1	918.9	951.1	975.4
20°	997.6	961.1	933.7	928.5	929.8	930.2	925.0	922.8	934.1	973.3	993.7
22.5°	993.7	966.7	933.3	926.7	928.9	928.0	923.3	922.4	931.5	965.4	975.0
25°	966.7	945.9	917.6	913.3	916.7	916.3	911.5	909.4	913.3	935.9	936.7
27.5°	935.9	917.6	893.3	892.0	897.6	900.7	892.4	885.9	884.6	899.8	896.3
30°	898.9	885.4	865.9	866.8	877.2	878.9	868.9	859.4	856.8	865.0	860.2
32.5°	855.0	850.7	840.2	842.4	852.4	855.9	845.5	835.5	832.4	835.0	825.0
35°	817.6	815.9	816.8	820.7	829.4	832.0	823.3	815.5	811.1	802.0	788.9
37.5°	779.0	783.7	796.3	803.7	808.5	807.6	802.9	797.2	790.3	773.3	757.2
40°	742.9	755.0	777.6	785.9	787.6	788.1	784.6	779.8	771.1	748.5	730.3
42.5°	715.1	728.5	758.5	771.1	772.0	772.9	769.4	765.5	753.3	723.3	705.5
45°	685.9	703.8	739.0	754.2	753.3	752.9	749.8	748.1	733.7	699.0	679.4
47.5°	661.2	682.0	719.8	732.9	732.4	732.0	729.8	729.8	715.5	677.7	655.5
50°	636.8	660.7	700.3	711.1	712.0	711.1	710.3	711.6	694.6	654.2	632.5
52.5°	610.3	637.2	678.5	688.5	693.8	695.9	695.9	692.9	672.9	630.7	606.8
55°	581.2	606.8	654.6	668.1	672.5	676.4	676.4	670.3	651.6	609.0	583.3
57.5°	545.1	567.7	605.5	619.0	629.4	632.0	632.0	622.0	606.8	566.0	545.1
60°	506.0	525.5	551.2	565.5	573.3	568.1	572.0	569.4	557.3	519.4	502.1
62.5°	453.8	473.8	502.1	516.8	520.3	515.1	520.3	519.9	503.4	469.5	448.6
65°	416.4	436.0	463.8	482.9	488.6	487.3	490.8	485.5	465.1	432.9	412.9
67.5°	372.1	393.0	425.1	446.4	458.2	459.5	464.2	453.4	432.5	397.3	372.1
70°	329.9	347.7	372.5	392.5	409.0	417.3	418.2	402.5	376.4	347.3	329.1
72.5°	285.6	303.8	333.8	355.6	376.4	386.0	386.0	366.9	338.6	306.5	286.9
75°	231.7	248.6	276.0	299.5	323.4	335.6	335.1	318.6	287.3	256.9	236.5
77.5°	156.9	169.5	186.9	204.7	208.2	217.8	222.6	201.7	184.3	167.8	149.5
80°	91.3	99.1	108.7	118.7	120.8	123.9	116.1	108.2	99.1	88.2	80.0
82.5°	53.5	58.7	63.5	71.3	72.6	73.5	66.5	63.0	55.6	49.1	43.9
85°	26.1	27.8	32.2	36.1	34.3	33.5	30.4	27.0	23.9	21.3	18.7
87.5°	5.2	5.2	7.8	7.4	6.1	5.2	3.0	3.9	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°	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0
2.5°	892.8	900.2	909.4	921.5	935.4	950.2	964.6	975.4	986.3	1002.4	999.8
5°	847.2	859.8	874.1	892.8	915.4	941.1	969.8	998.5	1029.3	1055.4	1066.7
7.5°	820.7	834.6	851.5	875.9	905.0	936.3	976.7	1023.2	1073.2	1107.6	1128.9
10°	820.7	838.5	860.7	884.1	909.8	942.0	991.9	1050.2	1114.5	1159.7	1184.5
12.5°	868.1	885.9	890.7	889.8	904.1	939.8	1004.1	1078.4	1155.4	1203.2	1233.6
15°	942.0	948.0	912.0	878.9	881.1	924.1	1009.8	1101.0	1190.6	1248.0	1281.0
17.5°	991.5	975.4	911.1	853.3	841.1	897.6	1009.8	1122.8	1228.0	1292.7	1323.6
20°	995.4	955.4	888.9	828.5	797.2	862.4	1002.8	1139.3	1264.1	1335.8	1368.8
22.5°	961.1	921.5	865.5	807.2	761.1	819.8	991.5	1151.9	1294.9	1376.2	1417.1
25°	922.0	888.9	841.5	785.5	736.4	776.8	981.1	1173.2	1338.0	1431.0	1472.3
27.5°	883.7	855.9	812.9	767.2	722.4	739.4	974.6	1204.5	1389.2	1508.8	1544.4
30°	846.3	821.1	782.0	749.8	715.1	715.1	968.9	1240.6	1457.1	1596.2	1631.8
32.5°	808.5	784.6	752.9	732.9	710.7	705.5	953.3	1274.5	1527.0	1691.8	1728.3
35°	773.3	749.4	725.0	716.8	708.5	698.1	914.6	1301.0	1595.3	1803.5	1834.8
37.5°	740.3	717.2	699.0	696.8	697.7	678.1	853.7	1323.2	1680.5	1917.8	1934.3
40°	711.6	685.9	671.6	671.1	675.5	645.9	776.8	1354.9	1777.8	2014.8	2007.8
42.5°	685.9	659.0	641.6	645.5	642.9	613.8	701.6	1384.0	1862.6	2105.6	2091.7
45°	660.7	634.6	610.3	615.9	612.9	593.8	637.7	1405.3	1956.5	2214.7	2216.4
47.5°	636.4	610.7	586.4	579.4	579.0	587.7	588.6	1412.3	2109.5	2390.3	2350.8
50°	613.8	588.1	562.9	539.4	548.6	575.5	552.0	1407.1	2338.6	2584.2	2473.8
52.5°	590.3	566.0	538.1	496.0	519.9	546.4	519.4	1388.4	2478.6	2755.4	2689.4
55°	563.3	540.3	502.5	451.2	480.3	486.0	486.0	1207.5	2538.1	2925.0	2965.8
57.5°	527.3	496.8	436.9	395.6	421.6	399.9	450.3	845.0	2439.9	2871.5	3030.2
60°	486.4	453.8	390.3	360.8	368.6	330.4	383.8	529.9	2022.1	2443.3	2718.1
62.5°	432.5	402.5	349.9	326.9	310.8	269.5	309.1	335.1	1386.2	1814.4	2001.7
65°	396.4	363.4	316.4	286.0	253.0	216.9	205.2	219.9	745.5	1015.4	1141.9
67.5°	353.8	321.2	276.9	238.6	212.1	186.0	165.6	160.4	255.6	338.2	366.0
70°	313.4	282.1	245.2	209.5	183.0	157.4	137.4	123.0	118.2	117.4	115.6
72.5°	272.1	243.0	212.1	179.1	150.0	126.5	108.7	92.2	85.2	83.0	80.9
75°	223.0	200.0	169.1	133.4	110.0	88.2	74.3	63.5	57.4	55.2	52.6
77.5°	143.4	133.0	106.1	86.1	66.5	52.6	45.2	38.3	34.3	33.5	31.3
80°	76.5	71.3	58.7	49.6	39.6	32.2	28.3	24.3	22.2	21.3	20.4
82.5°	42.6	38.7	32.6	28.7	23.0	19.6	17.4	15.6	14.3	13.9	13.5
85°	19.1	16.5	13.0	12.2	10.9	10.0	9.6	8.7	8.3	7.8	7.4
87.5°	0.9	1.7	2.2	1.7	1.7	2.6	3.0	3.0	2.6	2.6	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-SA1D-740-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0	952.0
2.5°	1015.9	1028.9	1030.2	1034.5	1028.9	1027.6	1018.5	1013.2	1008.5	1007.2
5°	1095.0	1121.0	1131.5	1138.9	1131.9	1128.4	1108.4	1087.6	1075.8	1070.2
7.5°	1176.2	1215.4	1235.8	1244.9	1245.8	1230.2	1195.8	1156.7	1137.1	1129.7
10°	1248.8	1297.1	1324.0	1341.4	1335.3	1316.2	1269.3	1216.2	1191.5	1184.9
12.5°	1302.7	1348.8	1369.7	1381.0	1380.6	1370.1	1325.8	1268.4	1240.1	1233.6
15°	1337.5	1364.9	1366.2	1368.8	1376.2	1390.1	1367.1	1314.0	1282.7	1273.6
17.5°	1364.9	1354.0	1333.6	1326.6	1343.2	1381.9	1395.8	1352.7	1318.8	1311.0
20°	1382.3	1327.5	1291.4	1278.0	1297.1	1360.1	1413.2	1387.5	1352.3	1342.3
22.5°	1395.8	1302.7	1244.5	1235.4	1255.4	1336.6	1431.0	1428.8	1390.1	1376.2
25°	1417.1	1286.2	1211.5	1204.9	1223.6	1325.3	1454.9	1484.9	1450.5	1430.5
27.5°	1450.5	1284.5	1194.5	1192.3	1218.0	1335.3	1489.2	1567.0	1524.0	1509.2
30°	1497.0	1301.0	1198.4	1202.8	1234.1	1371.4	1542.7	1660.9	1617.9	1594.8
32.5°	1564.0	1345.3	1258.0	1276.7	1299.7	1429.2	1620.9	1762.6	1730.0	1696.1
35°	1652.2	1467.1	1434.0	1513.6	1491.8	1555.7	1715.3	1886.1	1846.5	1817.0
37.5°	1770.0	1716.6	1747.0	1856.5	1803.9	1794.8	1830.4	1998.2	1976.5	1946.9
40°	1935.2	1946.1	2002.1	2146.0	2070.0	2011.3	1971.7	2082.6	2090.0	2053.4
42.5°	2044.7	2094.7	2229.9	2393.4	2288.6	2148.2	2090.0	2190.4	2190.8	2157.8
45°	2085.6	2216.4	2499.0	2687.2	2512.0	2226.4	2155.2	2336.9	2332.5	2294.7
47.5°	2070.8	2319.0	2778.5	3066.2	2798.9	2282.1	2146.0	2545.5	2580.7	2523.3
50°	2040.0	2422.0	3104.9	3530.5	3151.0	2341.2	2132.1	2776.7	2835.0	2790.7
52.5°	2071.3	2536.8	3490.9	4010.4	3592.6	2435.5	2226.0	3073.6	3063.2	3009.7
55°	2170.4	2672.4	3960.0	4613.3	4077.8	2595.1	2467.3	3356.6	3250.6	3186.7
57.5°	2165.6	2769.4	4371.2	5090.1	4499.8	2725.9	2551.1	3386.6	3172.3	3091.5
60°	1965.6	2725.0	4527.6	5391.8	4627.2	2653.7	2275.1	3025.0	2676.8	2592.0
62.5°	1467.1	2418.1	4224.2	5014.1	4266.8	2292.1	1710.9	2171.2	1923.5	1780.5
65°	938.5	1891.7	3551.4	4062.1	3517.0	1753.1	1018.9	1164.1	912.0	871.1
67.5°	399.5	1335.3	2760.7	2715.0	2631.1	1135.8	393.4	327.8	244.3	239.9
70°	132.1	908.5	1701.8	1810.9	1571.4	782.4	130.0	110.0	109.5	105.6
72.5°	86.5	487.7	958.0	1066.7	1011.1	450.3	78.7	73.5	75.2	73.5
75°	51.7	106.1	161.3	209.5	161.3	75.6	47.4	46.5	47.4	45.2
77.5°	30.4	29.6	28.7	28.7	28.3	26.1	23.9	23.0	23.5	23.9
80°	19.6	18.7	17.8	17.4	15.2	14.3	13.5	12.6	12.6	13.0
82.5°	12.6	11.7	10.9	9.6	7.8	6.5	6.1	5.2	5.2	5.7
85°	6.5	5.2	3.9	3.0	1.7	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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