

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: P630837

Luminaire Tested: GWS-SA1E-740-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7102 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

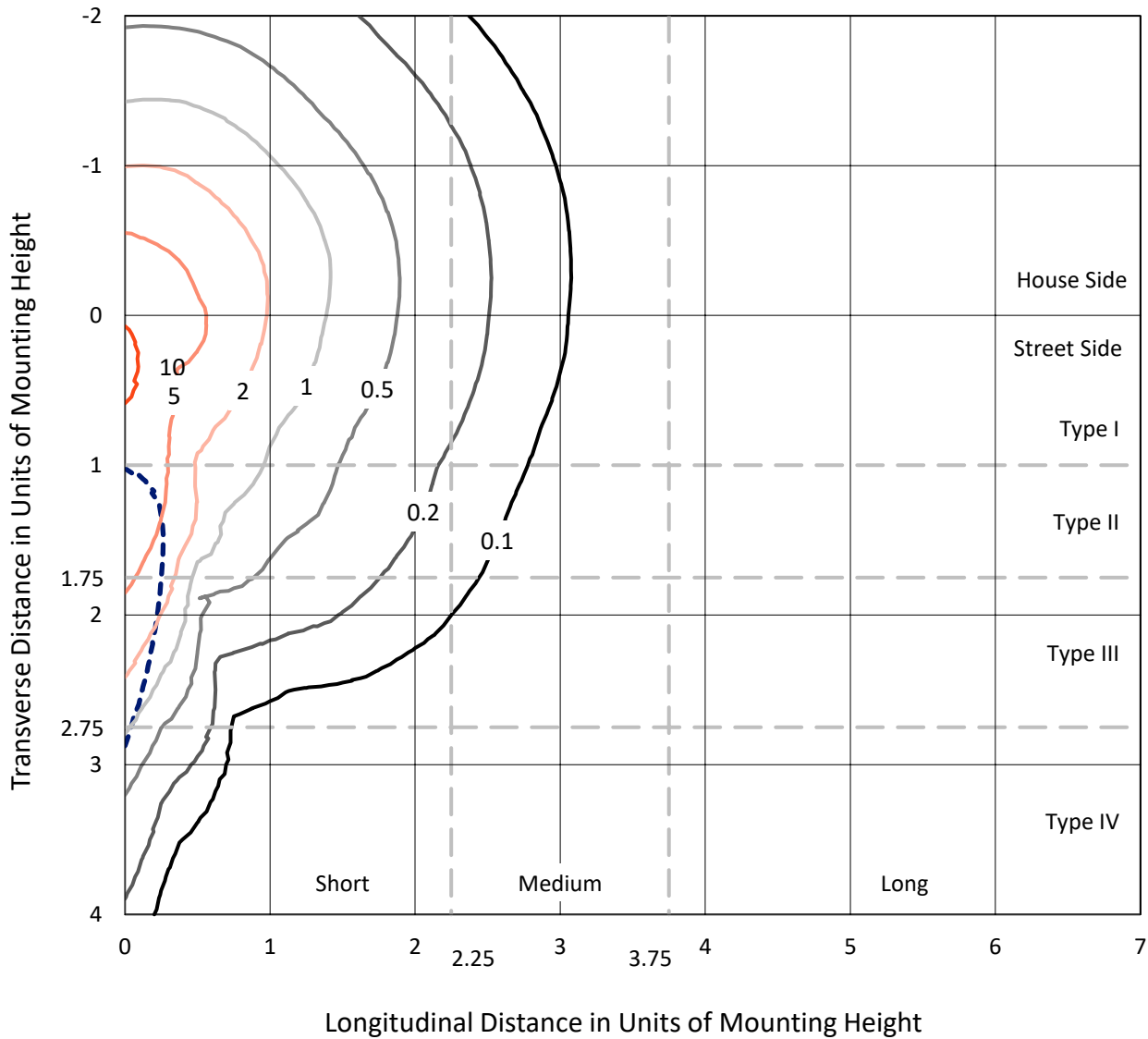
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630837
 CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

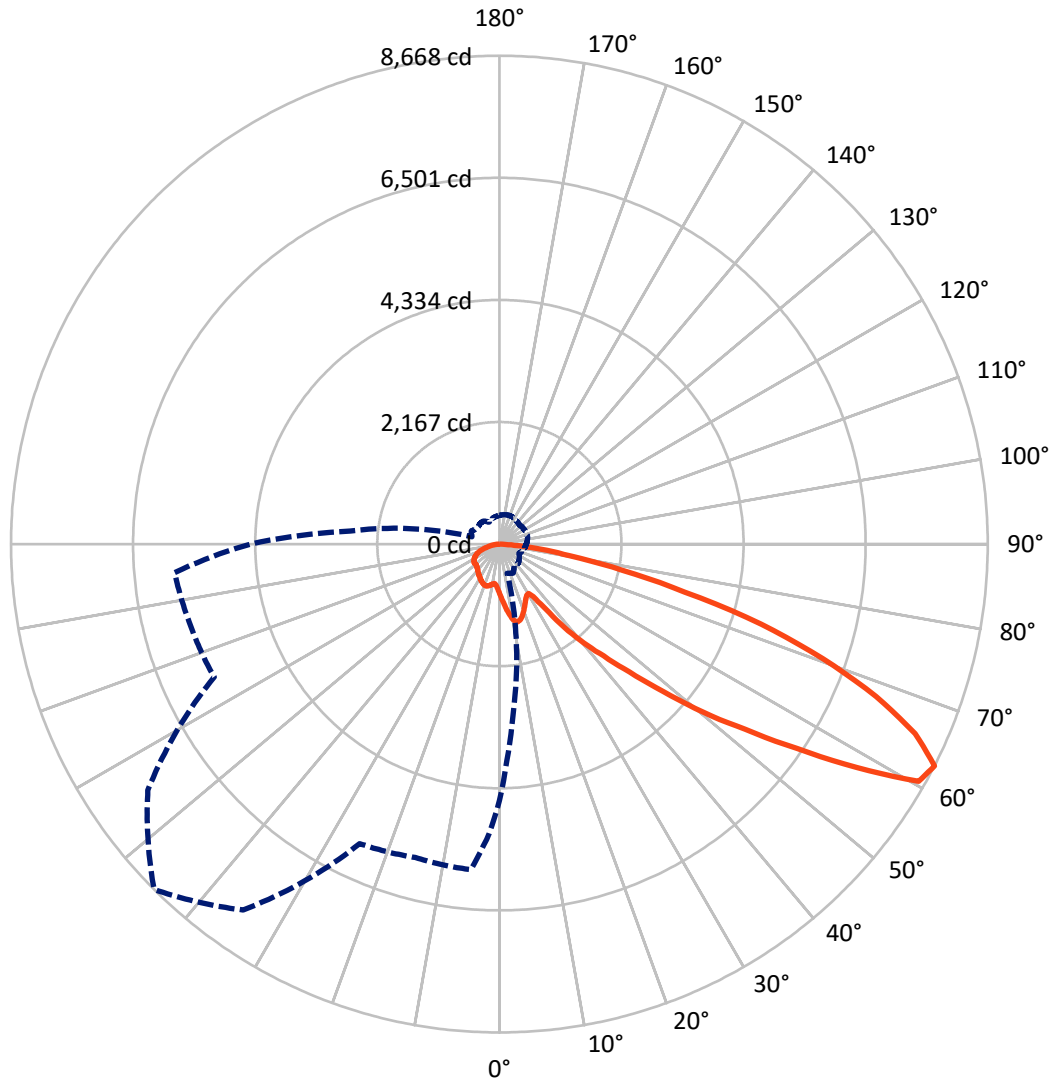
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P630837
CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P630837

CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1698.1	0.0	1698.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5403.9	0.0	5403.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	7102.0	0.0	7102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	1.2
10°-20°	283.5	4.0
20°-30°	446.3	6.3
30°-40°	611.7	8.6
40°-50°	954.5	13.4
50°-60°	1645.8	23.2
60°-70°	1907.2	26.9
70°-80°	1006.7	14.2
80°-90°	159.0	2.2
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°	7102.0	100.0
0°-180°	7102.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630837

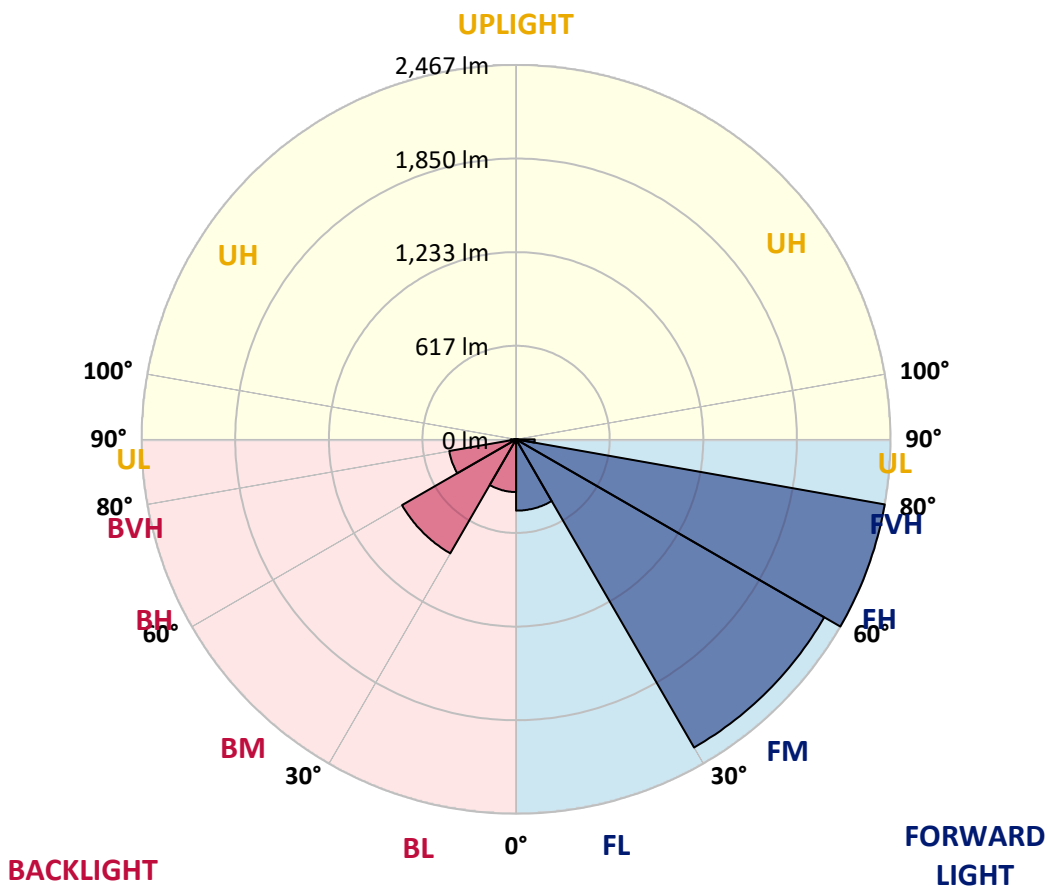
CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.7	6.6			
FM (30°-60°)	2344.6	33.0			
FH (60°-80°)	2466.8	34.7			G2/5000
FVH (80°-90°)	122.7	1.7			G2/225
BL (0°-30°)	347.3	4.9	B1/500		
BM (30°-60°)	867.4	12.2	B1/1000		
BH (60°-80°)	447.1	6.3	B1/500		G1/500
BVH (80°-90°)	36.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P630837
 CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5
2.5°	962.1	958.3	952.8	934.4	923.0	909.9	896.3	880.6	862.7	850.2	837.7
5°	1043.6	1037.6	1024.5	980.5	950.1	917.0	889.3	857.8	826.8	805.6	784.4
7.5°	1121.8	1114.2	1094.1	1026.7	977.3	929.5	887.6	842.0	795.8	764.3	739.3
10°	1200.0	1184.3	1158.7	1070.7	1005.5	950.1	902.3	846.4	785.0	742.1	715.4
12.5°	1259.8	1245.1	1217.4	1110.9	1033.8	964.2	910.5	858.9	806.7	761.1	733.9
15°	1315.7	1296.7	1265.2	1148.4	1057.1	963.7	894.2	849.1	841.5	830.1	794.8
17.5°	1355.9	1338.5	1305.9	1178.8	1070.2	946.9	849.1	822.5	856.7	891.4	857.8
20°	1391.2	1371.1	1338.0	1200.0	1072.9	909.4	794.2	794.8	848.5	896.3	888.2
22.5°	1421.1	1398.8	1369.5	1223.9	1071.8	857.2	746.4	779.0	832.8	870.3	871.3
25°	1458.0	1439.6	1415.1	1259.2	1071.8	804.0	711.6	760.0	806.2	837.7	836.6
27.5°	1503.1	1490.6	1470.5	1313.0	1081.6	759.4	692.1	735.5	771.9	799.1	798.6
30°	1553.7	1542.2	1527.0	1370.0	1098.4	726.3	681.2	705.1	731.7	753.5	753.5
32.5°	1605.3	1600.9	1584.6	1415.7	1085.4	716.0	672.0	674.7	688.8	706.7	705.1
35°	1677.0	1672.6	1652.0	1451.0	1028.9	701.3	657.3	643.7	645.4	656.8	660.6
37.5°	1781.8	1775.3	1744.9	1492.3	943.6	664.4	633.4	611.1	606.2	611.1	618.2
40°	1908.4	1898.6	1857.3	1548.2	845.3	614.4	595.9	577.5	569.3	570.9	579.1
42.5°	2067.0	2046.4	1987.2	1607.4	748.0	570.4	554.1	542.7	533.5	532.4	548.1
45°	2324.5	2268.0	2174.0	1660.1	666.0	547.0	516.6	508.5	500.9	505.2	523.7
47.5°	2774.3	2670.0	2486.9	1705.2	616.0	547.6	486.7	478.0	477.5	486.2	506.8
50°	3392.5	3242.0	2959.5	1735.6	590.0	554.1	468.8	454.7	465.0	473.7	493.3
52.5°	3984.6	3754.8	3418.6	1735.1	578.5	555.2	473.7	433.0	465.0	467.2	485.7
55°	4490.4	4074.3	3542.4	1556.9	562.2	550.8	492.7	416.1	459.0	467.2	481.8
57.5°	4892.4	4277.4	3533.2	1257.6	611.7	526.9	504.1	412.3	441.6	468.3	485.1
60°	4847.8	4184.5	3305.6	771.9	606.8	484.6	502.5	419.4	412.3	453.6	481.3
62.5°	4551.8	3851.5	2913.9	535.6	569.9	460.1	475.9	431.9	385.2	432.4	462.8
65°	4137.3	3421.8	2428.3	410.7	472.1	461.2	430.8	423.2	361.3	398.7	431.3
67.5°	3589.2	2888.9	1917.1	325.4	329.2	399.3	391.1	375.9	339.0	368.9	398.2
70°	2698.2	2108.3	1319.0	261.8	249.3	333.5	351.5	337.9	317.2	325.9	356.9
72.5°	1901.3	1376.6	722.5	207.5	192.3	256.4	305.3	303.1	280.3	286.8	317.2
75°	1413.0	974.0	451.4	164.1	156.5	183.6	255.9	262.4	243.4	251.0	274.3
77.5°	940.3	630.7	251.0	121.7	121.7	134.2	190.7	221.1	207.0	212.9	229.2
80°	518.8	321.1	125.5	79.9	82.0	92.3	139.1	159.2	159.7	174.4	178.7
82.5°	164.1	102.1	56.0	46.7	44.0	52.7	89.6	114.1	106.5	135.8	124.9
85°	37.5	23.9	10.3	10.3	11.4	17.4	34.2	60.8	77.7	93.4	67.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	23.9	35.3	31.5
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: P630837
 CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5
2.5°	830.1	819.2	815.9	806.7	805.6	796.9	793.7	793.7	797.5	797.5	801.3
5°	775.7	762.2	754.6	743.7	741.0	734.5	730.1	730.7	735.5	738.8	745.3
7.5°	727.9	718.7	713.3	708.4	707.3	706.2	701.3	700.8	702.4	707.3	712.2
10°	707.8	701.3	702.9	706.7	712.7	716.0	711.6	709.5	707.8	711.1	715.4
12.5°	727.4	720.9	724.1	730.7	738.8	742.1	740.4	739.9	741.5	754.0	763.2
15°	770.3	757.8	753.5	756.2	762.7	766.0	764.3	766.5	776.8	809.4	832.8
17.5°	823.5	793.1	775.7	770.8	773.6	776.3	776.3	781.7	799.6	847.4	876.8
20°	852.3	812.7	783.3	771.4	772.5	775.2	775.2	782.8	802.9	854.0	873.0
22.5°	844.7	808.3	772.5	759.4	760.0	762.2	762.2	768.7	786.6	831.7	840.4
25°	814.9	782.8	747.5	736.1	737.2	741.0	739.9	743.7	757.3	794.2	799.1
27.5°	779.0	750.8	716.0	707.3	712.2	719.8	713.3	713.8	726.3	757.3	757.8
30°	740.4	717.1	686.1	679.6	688.8	692.6	686.6	686.6	699.1	720.3	719.8
32.5°	698.6	683.9	661.7	654.6	664.9	670.9	663.3	664.4	674.2	688.3	682.8
35°	659.5	651.9	641.6	636.7	643.2	648.6	643.7	645.9	655.1	658.9	651.3
37.5°	622.0	620.9	622.0	622.0	623.6	625.3	622.0	627.4	635.6	630.7	622.0
40°	589.4	593.8	604.1	601.4	599.7	601.4	599.2	608.4	616.6	607.9	597.6
42.5°	562.2	570.4	586.2	586.2	582.9	584.0	582.9	594.3	600.3	588.3	576.9
45°	538.9	550.8	570.9	573.7	568.2	568.2	570.4	584.5	586.7	570.4	558.4
47.5°	522.6	537.3	560.1	565.0	556.8	556.3	562.2	577.5	577.5	558.4	544.9
50°	511.2	527.5	554.6	561.2	553.0	550.8	560.6	575.3	572.0	549.2	535.6
52.5°	503.6	520.4	554.1	563.3	557.9	555.7	565.5	575.8	567.7	543.2	529.1
55°	498.7	517.2	555.7	563.3	557.4	553.6	563.3	572.6	568.2	540.0	526.4
57.5°	501.4	519.9	553.6	557.4	550.3	543.8	555.2	568.2	566.6	541.1	527.5
60°	497.1	513.9	541.6	542.7	530.7	520.4	537.3	556.8	556.8	537.3	525.3
62.5°	477.0	493.8	518.2	519.3	505.8	494.3	513.9	537.3	536.7	521.0	508.5
65°	443.8	459.6	487.3	490.0	476.4	464.5	484.6	506.3	507.9	493.8	482.9
67.5°	407.4	421.6	442.2	453.1	441.6	429.2	447.6	468.3	467.7	450.9	439.5
70°	364.0	377.0	396.0	405.3	398.2	386.2	403.1	413.9	409.1	400.9	393.3
72.5°	321.1	333.5	351.5	351.5	343.9	332.5	337.3	356.9	362.9	356.9	352.0
75°	276.0	286.8	299.3	302.0	285.2	264.6	287.4	304.2	311.3	308.6	302.6
77.5°	229.8	237.9	256.4	251.5	220.0	209.1	227.6	252.6	257.5	255.9	247.7
80°	177.1	182.0	201.5	191.8	167.3	160.3	168.4	188.0	189.0	183.6	173.3
82.5°	119.0	125.5	138.5	119.5	119.0	112.4	105.9	108.1	117.9	116.8	109.7
85°	60.8	64.1	76.6	71.7	61.4	53.2	50.5	53.8	48.3	44.0	38.0
87.5°	25.5	27.7	38.0	21.2	6.5	0.0	0.0	3.3	4.9	7.1	7.6
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: P630837
 CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5
2.5°	810.0	815.9	830.6	849.1	867.0	885.5	905.6	918.1	933.3	952.8	953.4
5°	753.5	767.0	788.2	816.5	845.8	879.5	918.6	951.2	990.3	1021.3	1033.8
7.5°	718.7	738.3	764.9	800.7	839.3	881.1	932.2	987.1	1051.2	1092.4	1116.9
10°	722.0	751.8	778.5	808.9	843.6	888.7	954.5	1027.3	1106.0	1160.3	1190.8
12.5°	780.1	811.6	806.7	805.1	828.4	883.3	972.4	1068.0	1164.2	1218.5	1254.9
15°	853.4	865.4	819.2	784.4	798.6	863.7	982.2	1104.4	1212.5	1278.8	1314.6
17.5°	890.9	867.0	811.0	758.9	755.1	833.9	987.1	1141.3	1266.8	1333.1	1371.1
20°	873.5	838.8	791.5	742.1	714.9	793.1	984.3	1170.7	1316.3	1390.1	1421.1
22.5°	836.0	805.6	768.7	721.4	682.3	748.6	977.3	1200.0	1360.3	1434.7	1461.8
25°	795.3	772.5	742.1	700.8	663.8	709.5	972.4	1239.1	1410.8	1481.9	1499.3
27.5°	754.6	737.7	712.7	680.7	659.5	682.3	974.0	1290.2	1476.0	1543.3	1536.3
30°	714.4	699.7	682.3	668.2	658.9	675.8	969.7	1344.5	1547.7	1610.1	1568.3
32.5°	676.3	662.7	651.9	654.1	659.5	678.5	947.4	1393.9	1613.4	1666.6	1603.1
35°	643.7	629.6	629.6	637.2	657.3	669.3	889.8	1432.5	1686.2	1739.4	1652.5
37.5°	613.3	600.8	609.0	621.5	640.5	644.3	815.9	1470.0	1792.1	1842.1	1729.1
40°	586.7	574.2	588.9	604.6	614.4	612.8	741.0	1522.1	1917.1	1968.7	1830.7
42.5°	565.5	554.1	567.1	587.2	588.9	590.5	686.1	1572.1	2062.1	2127.8	2005.6
45°	548.1	540.0	546.5	566.6	566.6	591.6	651.9	1613.9	2280.5	2396.8	2326.7
47.5°	534.5	529.7	532.9	539.4	550.3	611.1	630.2	1646.0	2678.1	2906.3	2835.7
50°	526.9	522.0	526.4	512.8	545.4	620.9	623.1	1670.4	3202.4	3559.8	3472.4
52.5°	520.4	518.8	521.5	490.0	556.3	614.4	617.7	1637.9	3553.8	4203.0	4289.4
55°	518.2	519.3	506.3	473.2	569.3	592.7	601.4	1404.8	3649.4	4757.6	5293.8
57.5°	519.3	516.1	482.9	474.8	569.9	549.2	624.7	1002.3	3510.4	4998.8	6276.5
60°	515.5	499.2	454.7	489.5	544.9	498.1	607.9	653.5	3143.7	4813.6	6333.6
62.5°	498.7	474.8	430.2	497.6	500.3	467.7	551.9	503.6	2654.8	4417.0	5783.8
65°	474.2	442.2	409.6	480.8	455.2	453.6	415.0	403.6	2134.9	3945.0	5262.3
67.5°	434.0	402.0	394.4	442.2	409.6	402.0	333.5	334.6	1703.6	3441.9	4738.1
70°	388.4	356.4	362.3	399.8	364.5	334.1	270.0	278.7	1292.4	2867.7	4031.3
72.5°	358.5	315.6	316.2	352.0	320.5	270.5	222.2	229.8	820.3	2161.5	3205.1
75°	302.6	278.1	266.2	285.2	272.2	210.8	186.9	185.2	486.2	1549.3	2400.0
77.5°	252.6	233.6	227.6	235.2	203.2	155.9	150.5	147.8	275.4	992.5	1572.7
80°	183.1	178.2	177.6	181.4	156.5	114.6	114.6	115.2	148.3	538.9	886.6
82.5°	116.3	127.1	112.4	124.9	106.5	81.5	76.1	86.4	85.3	229.8	373.7
85°	48.3	66.3	61.9	65.7	50.5	44.5	47.8	51.6	49.4	88.5	145.6
87.5°	9.2	10.9	12.0	11.4	11.4	14.1	15.8	19.0	19.0	25.5	44.0
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: P630837
 CATALOG NUMBER: GWS-SA1E-740-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5	885.5
2.5°	974.0	989.8	986.5	993.6	984.3	987.6	969.1	964.2	961.0	962.1
5°	1074.0	1106.0	1112.0	1124.0	1115.8	1115.8	1083.2	1058.8	1050.1	1043.6
7.5°	1175.6	1221.7	1252.2	1255.4	1251.1	1242.4	1195.1	1151.1	1135.4	1121.8
10°	1265.7	1321.1	1355.4	1371.7	1363.5	1349.9	1291.3	1231.0	1212.0	1200.0
12.5°	1334.7	1383.6	1406.4	1417.3	1416.2	1411.3	1363.5	1298.3	1278.2	1259.8
15°	1379.3	1403.7	1395.0	1394.5	1402.1	1421.6	1407.0	1355.9	1332.6	1315.7
17.5°	1408.1	1384.7	1346.1	1328.2	1344.5	1390.7	1424.4	1395.6	1374.4	1355.9
20°	1418.4	1335.3	1279.3	1246.2	1265.2	1332.0	1415.1	1424.4	1406.4	1391.2
22.5°	1406.4	1275.0	1198.9	1159.8	1178.3	1258.1	1388.0	1447.7	1435.8	1421.1
25°	1377.1	1212.0	1120.7	1085.4	1105.5	1187.0	1339.6	1469.4	1470.0	1458.0
27.5°	1340.7	1153.8	1065.8	1032.7	1052.2	1128.3	1292.4	1488.5	1507.5	1503.1
30°	1303.8	1119.1	1039.8	1016.4	1031.1	1098.4	1244.0	1508.0	1546.0	1553.7
32.5°	1286.9	1135.9	1101.1	1111.5	1092.4	1115.8	1226.6	1535.7	1592.8	1605.3
35°	1309.2	1285.3	1373.3	1414.0	1346.7	1258.1	1248.9	1577.6	1658.5	1677.0
37.5°	1417.3	1605.3	1736.7	1880.1	1763.3	1568.3	1359.2	1648.7	1752.5	1781.8
40°	1652.5	1884.5	2121.9	2307.1	2130.6	1868.2	1568.9	1754.6	1881.8	1908.4
42.5°	1874.2	2146.3	2473.3	2712.9	2483.7	2113.2	1794.8	1932.8	2052.3	2067.0
45°	2091.5	2403.3	2898.7	3231.7	2920.4	2346.2	2025.7	2233.8	2324.0	2324.5
47.5°	2346.2	2692.8	3432.2	3906.4	3500.1	2604.3	2242.5	2710.2	2835.7	2774.3
50°	2651.0	2980.7	3981.4	4691.4	4206.8	2921.5	2517.9	3290.9	3462.0	3392.5
52.5°	3059.0	3298.0	4586.5	5456.8	4977.1	3282.8	2917.2	4058.0	4114.5	3984.6
55°	3633.2	3755.9	5363.4	6402.0	5837.1	3727.7	3501.1	5020.6	4862.5	4490.4
57.5°	4940.7	4480.6	6360.7	7480.3	6810.0	4536.0	4781.0	6082.1	5519.8	4892.4
60°	6034.8	5360.6	7283.7	8550.5	7643.9	5426.9	5982.6	6266.8	5495.4	4847.8
62.5°	5665.9	5585.0	7616.7	8668.4	7928.5	5865.3	5759.4	5801.2	5136.8	4551.8
65°	4971.1	5152.0	7319.5	8109.4	7612.9	5472.5	5209.6	5371.0	4726.7	4137.3
67.5°	4561.0	4694.1	6791.0	7214.7	7039.2	5047.7	4782.1	4665.3	4090.0	3589.2
70°	4141.6	4251.9	6048.9	6091.8	6144.5	4341.5	3910.2	3562.5	3048.6	2698.2
72.5°	3578.8	3584.8	5110.8	4861.9	4961.9	3397.4	3147.5	2663.5	2219.1	1901.3
75°	3002.5	2838.4	4045.5	3398.5	3598.9	2642.8	2613.5	2007.3	1673.7	1413.0
77.5°	2289.2	2097.4	2955.2	2234.9	2527.7	1760.1	1964.9	1361.3	1177.7	940.3
80°	1536.8	1417.3	1633.0	1261.4	1653.6	1213.0	1281.5	771.4	668.7	518.8
82.5°	810.5	692.1	1009.3	748.0	997.4	666.5	480.8	238.5	203.2	164.1
85°	314.0	363.4	494.9	266.2	386.8	237.9	139.1	59.2	49.4	37.5
87.5°	60.8	94.0	51.6	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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