

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: P630782

Luminaire Tested: GWS-SA1E-735-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630782
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-735-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7004.7 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

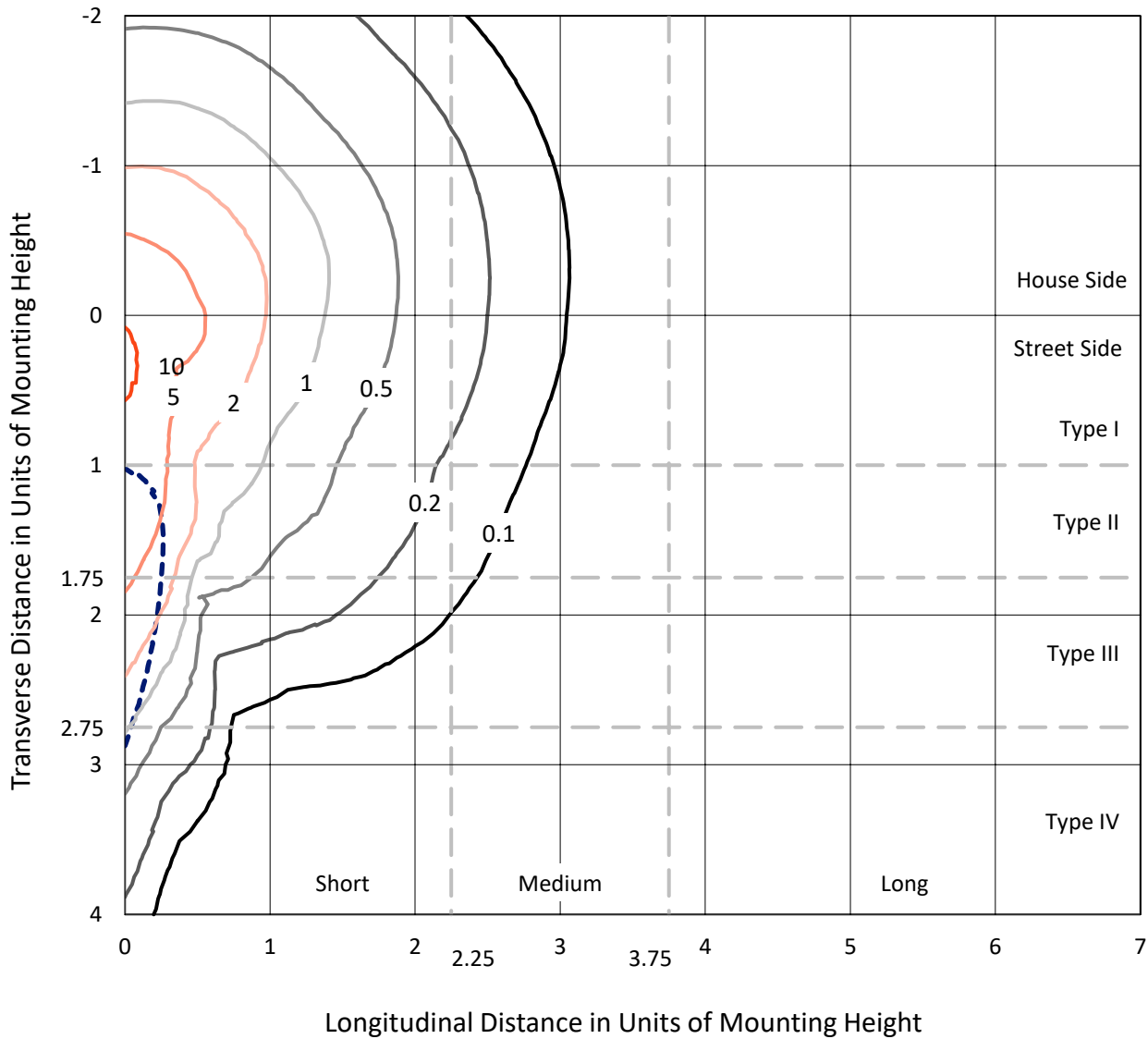
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

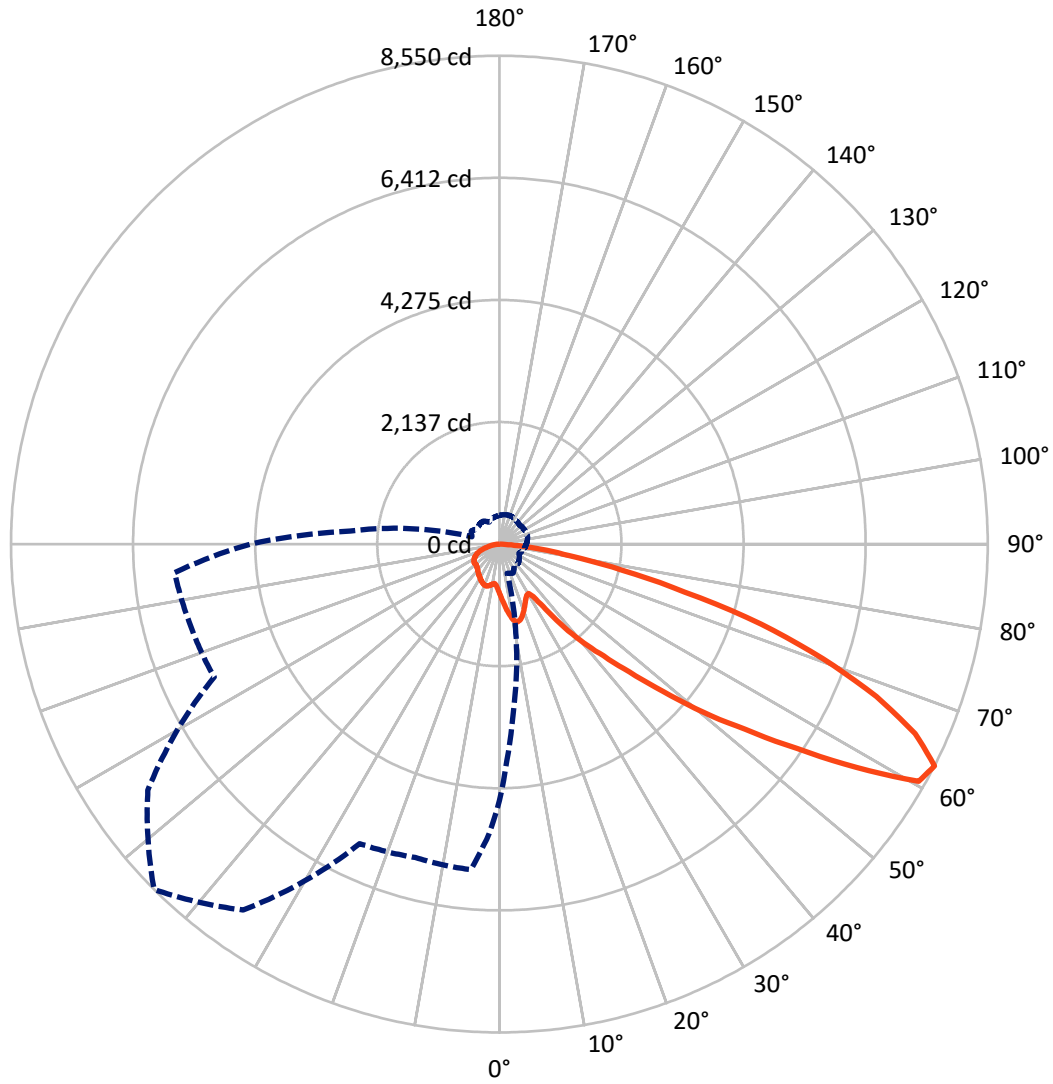
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1674.8	0.0	1674.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5329.9	0.0	5329.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	7004.7	0.0	7004.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.2
10°-20°	279.6	4.0
20°-30°	440.2	6.3
30°-40°	603.4	8.6
40°-50°	941.4	13.4
50°-60°	1623.2	23.2
60°-70°	1881.1	26.9
70°-80°	992.9	14.2
80°-90°	156.9	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°	7004.7	100.0
0°-180°	7004.7	100.0

Coefficient of Utilization



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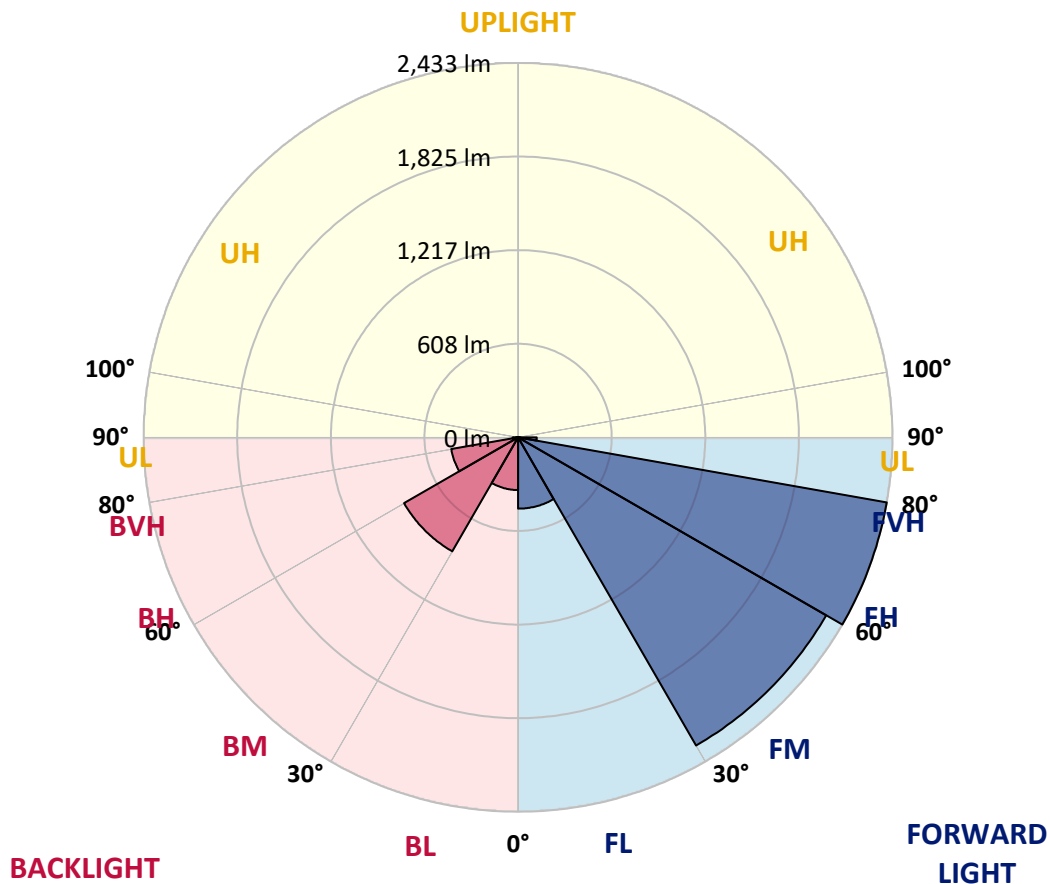
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.3	6.6			
FM (30°-60°)	2312.5	33.0			
FH (60°-80°)	2433.0	34.7			G2/5000
FVH (80°-90°)	121.1	1.7			G2/225
BL (0°-30°)	342.6	4.9	B1/500		
BM (30°-60°)	855.5	12.2	B1/1000		
BH (60°-80°)	441.0	6.3	B1/500		G1/500
BVH (80°-90°)	35.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	948.9	945.1	939.8	921.6	910.3	897.5	884.1	868.5	850.8	838.5	826.2
5°	1029.3	1023.4	1010.5	967.1	937.1	904.4	877.1	846.0	815.5	794.6	773.7
7.5°	1106.4	1098.9	1079.1	1012.6	963.9	916.7	875.5	830.5	784.9	753.9	729.2
10°	1183.6	1168.0	1142.8	1056.0	991.8	937.1	890.0	834.8	774.2	731.9	705.6
12.5°	1242.5	1228.0	1200.7	1095.7	1019.6	951.0	898.0	847.1	795.7	750.6	723.9
15°	1297.7	1278.9	1247.9	1132.7	1042.7	950.5	881.9	837.4	829.9	818.7	783.9
17.5°	1337.3	1320.2	1288.0	1162.7	1055.5	933.9	837.4	811.2	844.9	879.2	846.0
20°	1372.2	1352.3	1319.7	1183.6	1058.2	896.9	783.3	783.9	836.9	884.1	876.0
22.5°	1401.6	1379.7	1350.7	1207.1	1057.1	845.5	736.2	768.3	821.4	858.3	859.4
25°	1438.1	1419.8	1395.7	1242.0	1057.1	793.0	701.9	749.6	795.1	826.2	825.1
27.5°	1482.5	1470.2	1450.4	1295.0	1066.8	749.0	682.6	725.5	761.4	788.2	787.6
30°	1532.4	1521.1	1506.1	1351.3	1083.4	716.4	671.9	695.5	721.7	743.1	743.1
32.5°	1583.3	1579.0	1562.9	1396.3	1070.5	706.2	662.8	665.5	679.4	697.1	695.5
35°	1654.0	1649.7	1629.3	1431.1	1014.8	691.7	648.3	634.9	636.5	647.8	651.5
37.5°	1757.4	1751.0	1721.0	1471.8	930.7	655.3	624.7	602.8	597.9	602.8	609.7
40°	1882.2	1872.6	1831.9	1527.0	833.7	606.0	587.8	569.5	561.5	563.1	571.2
42.5°	2038.7	2018.3	1959.9	1585.4	737.8	562.6	546.5	535.3	526.1	525.1	540.6
45°	2292.7	2236.9	2144.2	1637.4	656.9	539.5	509.5	501.5	494.0	498.3	516.5
47.5°	2736.3	2633.4	2452.9	1681.9	607.6	540.1	480.1	471.5	471.0	479.5	499.9
50°	3346.0	3197.6	2919.0	1711.9	581.9	546.5	462.4	448.5	458.6	467.2	486.5
52.5°	3930.0	3703.4	3371.7	1711.3	570.6	547.6	467.2	427.0	458.6	460.8	479.0
55°	4428.9	4018.4	3493.9	1535.6	554.5	543.3	486.0	410.4	452.7	460.8	475.2
57.5°	4825.3	4218.8	3484.8	1240.4	603.3	519.7	497.2	406.7	435.6	461.9	478.5
60°	4781.4	4127.2	3260.3	761.4	598.5	477.9	495.6	413.6	406.7	447.4	474.7
62.5°	4489.4	3798.8	2874.0	528.3	562.0	453.8	469.4	426.0	379.9	426.5	456.5
65°	4080.6	3375.0	2395.0	405.1	465.6	454.9	424.9	417.4	356.3	393.3	425.4
67.5°	3540.0	2849.3	1890.8	320.9	324.7	393.8	385.8	370.8	334.3	363.8	392.7
70°	2661.3	2079.4	1300.9	258.3	245.9	329.0	346.7	333.3	312.9	321.5	352.0
72.5°	1875.3	1357.7	712.6	204.7	189.7	252.9	301.1	299.0	276.5	282.9	312.9
75°	1393.6	960.7	445.2	161.8	154.3	181.1	252.4	258.8	240.0	247.5	270.6
77.5°	927.5	622.1	247.5	120.0	120.0	132.3	188.1	218.1	204.1	210.0	226.1
80°	511.7	316.7	123.8	78.8	80.9	91.1	137.2	157.0	157.5	172.0	176.3
82.5°	161.8	100.7	55.2	46.1	43.4	52.0	88.4	112.5	105.0	133.9	123.2
85°	37.0	23.6	10.2	10.2	11.3	17.1	33.8	60.0	76.6	92.2	67.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	23.6	34.8	31.1
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°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	818.7	808.0	804.8	795.7	794.6	786.0	782.8	782.8	786.5	786.5	790.3
5°	765.1	751.7	744.2	733.5	730.8	724.4	720.1	720.6	725.5	728.7	735.1
7.5°	718.0	708.9	703.5	698.7	697.6	696.5	691.7	691.2	692.8	697.6	702.4
10°	698.1	691.7	693.3	697.1	703.0	706.2	701.9	699.7	698.1	701.4	705.6
12.5°	717.4	711.0	714.2	720.6	728.7	731.9	730.3	729.7	731.4	743.7	752.8
15°	759.8	747.4	743.1	745.8	752.3	755.5	753.9	756.0	766.2	798.3	821.4
17.5°	812.3	782.3	765.1	760.3	763.0	765.6	765.6	771.0	788.7	835.8	864.8
20°	840.7	801.5	772.6	760.8	761.9	764.6	764.6	772.1	791.9	842.3	861.0
22.5°	833.2	797.3	761.9	749.0	749.6	751.7	751.7	758.1	775.8	820.3	828.9
25°	803.7	772.1	737.2	726.0	727.1	730.8	729.7	733.5	746.9	783.3	788.2
27.5°	768.3	740.5	706.2	697.6	702.4	709.9	703.5	704.0	716.4	746.9	747.4
30°	730.3	707.2	676.7	670.3	679.4	683.1	677.2	677.2	689.6	710.5	709.9
32.5°	689.0	674.6	652.6	645.6	655.8	661.7	654.2	655.3	664.9	678.8	673.5
35°	650.5	643.0	632.8	627.9	634.4	639.7	634.9	637.1	646.2	649.9	642.4
37.5°	613.5	612.4	613.5	613.5	615.1	616.7	613.5	618.8	626.9	622.1	613.5
40°	581.3	585.6	595.8	593.1	591.5	593.1	591.0	600.1	608.1	599.6	589.4
42.5°	554.5	562.6	578.1	578.1	574.9	576.0	574.9	586.2	592.1	580.3	569.0
45°	531.5	543.3	563.1	565.8	560.4	560.4	562.6	576.5	578.7	562.6	550.8
47.5°	515.4	529.9	552.4	557.2	549.2	548.7	554.5	569.5	569.5	550.8	537.4
50°	504.2	520.3	547.0	553.5	545.4	543.3	552.9	567.4	564.2	541.7	528.3
52.5°	496.7	513.3	546.5	555.6	550.3	548.1	557.8	567.9	559.9	535.8	521.9
55°	491.9	510.1	548.1	555.6	549.7	546.0	555.6	564.7	560.4	532.6	519.2
57.5°	494.5	512.8	546.0	549.7	542.8	536.3	547.6	560.4	558.8	533.6	520.3
60°	490.2	506.9	534.2	535.3	523.5	513.3	529.9	549.2	549.2	529.9	518.1
62.5°	470.4	487.0	511.1	512.2	498.8	487.6	506.9	529.9	529.4	513.8	501.5
65°	437.7	453.3	480.6	483.3	469.9	458.1	477.9	499.4	501.0	487.0	476.3
67.5°	401.8	415.8	436.1	446.9	435.6	423.3	441.5	461.9	461.3	444.7	433.5
70°	359.0	371.8	390.6	399.7	392.7	380.9	397.6	408.3	403.5	395.4	387.9
72.5°	316.7	329.0	346.7	346.7	339.2	327.9	332.7	352.0	357.9	352.0	347.2
75°	272.2	282.9	295.2	297.9	281.3	260.9	283.4	300.0	307.0	304.3	298.4
77.5°	226.6	234.7	252.9	248.1	217.0	206.3	224.5	249.1	254.0	252.4	244.3
80°	174.7	179.5	198.8	189.1	165.0	158.1	166.1	185.4	186.5	181.1	170.9
82.5°	117.3	123.8	136.6	117.9	117.3	110.9	104.5	106.6	116.3	115.2	108.2
85°	60.0	63.2	75.5	70.7	60.5	52.5	49.8	53.0	47.7	43.4	37.5
87.5°	25.2	27.3	37.5	20.9	6.4	0.0	0.0	3.2	4.8	7.0	7.5
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°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	798.9	804.8	819.2	837.4	855.1	873.3	893.2	905.5	920.5	939.8	940.3
5°	743.1	756.5	777.4	805.3	834.2	867.4	906.0	938.2	976.7	1007.3	1019.6
7.5°	708.9	728.1	754.4	789.8	827.8	869.1	919.4	973.5	1036.8	1077.5	1101.6
10°	712.1	741.5	767.8	797.8	832.1	876.6	941.4	1013.2	1090.9	1144.5	1174.5
12.5°	769.4	800.5	795.7	794.0	817.1	871.2	959.1	1053.4	1148.2	1201.8	1237.7
15°	841.7	853.5	808.0	773.7	787.6	851.9	968.7	1089.3	1195.9	1261.3	1296.6
17.5°	878.7	855.1	799.9	748.5	744.8	822.4	973.5	1125.7	1249.5	1314.8	1352.3
20°	861.6	827.3	780.6	731.9	705.1	782.3	970.9	1154.6	1298.2	1371.1	1401.6
22.5°	824.6	794.6	758.1	711.5	673.0	738.3	963.9	1183.6	1341.6	1415.0	1441.8
25°	784.4	761.9	731.9	691.2	654.7	699.7	959.1	1222.1	1391.5	1461.6	1478.8
27.5°	744.2	727.6	703.0	671.3	650.5	673.0	960.7	1272.5	1455.7	1522.2	1515.2
30°	704.6	690.1	673.0	659.0	649.9	666.5	956.4	1326.1	1526.5	1588.1	1546.8
32.5°	667.1	653.7	643.0	645.1	650.5	669.2	934.4	1374.8	1591.3	1643.8	1581.1
35°	634.9	621.0	621.0	628.5	648.3	660.1	877.6	1412.9	1663.1	1715.6	1629.9
37.5°	604.9	592.6	600.6	612.9	631.7	635.4	804.8	1449.9	1767.6	1816.9	1705.4
40°	578.7	566.3	580.8	596.3	606.0	604.4	730.8	1501.3	1890.8	1941.7	1805.6
42.5°	557.8	546.5	559.4	579.2	580.8	582.4	676.7	1550.6	2033.9	2098.7	1978.1
45°	540.6	532.6	539.0	558.8	558.8	583.5	643.0	1591.8	2249.3	2363.9	2294.8
47.5°	527.2	522.4	525.6	532.0	542.8	602.8	621.5	1623.4	2641.5	2866.5	2796.8
50°	519.7	514.9	519.2	505.8	537.9	612.4	614.6	1647.6	3158.5	3511.0	3424.8
52.5°	513.3	511.7	514.4	483.3	548.7	606.0	609.2	1615.4	3505.2	4145.4	4230.6
55°	511.1	512.2	499.4	466.7	561.5	584.5	593.1	1385.6	3599.5	4692.5	5221.3
57.5°	512.2	509.0	476.3	468.3	562.0	541.7	616.2	988.5	3462.3	4930.4	6190.5
60°	508.5	492.4	448.5	482.7	537.4	491.3	599.6	644.6	3100.6	4747.7	6246.8
62.5°	491.9	468.3	424.3	490.8	493.5	461.3	544.4	496.7	2618.4	4356.5	5704.6
65°	467.7	436.1	404.0	474.2	449.0	447.4	409.3	398.1	2105.7	3890.9	5190.2
67.5°	428.1	396.5	389.0	436.1	404.0	396.5	329.0	330.0	1680.2	3394.8	4673.2
70°	383.1	351.5	357.4	394.3	359.5	329.5	266.3	274.9	1274.6	2828.4	3976.1
72.5°	353.6	311.3	311.8	347.2	316.1	266.8	219.1	226.6	809.0	2131.9	3161.2
75°	298.4	274.3	262.5	281.3	268.4	207.9	184.3	182.7	479.5	1528.1	2367.1
77.5°	249.1	230.4	224.5	232.0	200.4	153.8	148.4	145.7	271.6	978.9	1551.1
80°	180.6	175.7	175.2	179.0	154.3	113.1	113.1	113.6	146.3	531.5	874.4
82.5°	114.7	125.4	110.9	123.2	105.0	80.4	75.0	85.2	84.1	226.6	368.6
85°	47.7	65.4	61.1	64.8	49.8	43.9	47.1	50.9	48.8	87.3	143.6
87.5°	9.1	10.7	11.8	11.3	11.3	13.9	15.5	18.8	18.8	25.2	43.4
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-735-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	960.7	976.2	973.0	980.0	970.9	974.1	955.9	951.0	947.8	948.9
5°	1059.3	1090.9	1096.8	1108.6	1100.5	1100.5	1068.4	1044.3	1035.7	1029.3
7.5°	1159.5	1205.0	1235.0	1238.2	1233.9	1225.4	1178.7	1135.3	1119.8	1106.4
10°	1248.4	1303.0	1336.8	1352.9	1344.8	1331.4	1273.6	1214.1	1195.4	1183.6
12.5°	1316.4	1364.7	1387.2	1397.9	1396.8	1392.0	1344.8	1280.5	1260.7	1242.5
15°	1360.4	1384.5	1375.9	1375.4	1382.9	1402.2	1387.7	1337.3	1314.3	1297.7
17.5°	1388.8	1365.7	1327.7	1310.0	1326.1	1371.6	1404.8	1376.4	1355.6	1337.3
20°	1399.0	1317.0	1261.8	1229.1	1247.9	1313.8	1395.7	1404.8	1387.2	1372.2
22.5°	1387.2	1257.5	1182.5	1143.9	1162.1	1240.9	1368.9	1427.9	1416.1	1401.6
25°	1358.2	1195.4	1105.3	1070.5	1090.3	1170.7	1321.3	1449.3	1449.9	1438.1
27.5°	1322.3	1138.0	1051.2	1018.5	1037.8	1112.8	1274.6	1468.1	1486.8	1482.5
30°	1285.9	1103.7	1025.5	1002.5	1016.9	1083.4	1227.0	1487.4	1524.9	1532.4
32.5°	1269.3	1120.3	1086.1	1096.2	1077.5	1100.5	1209.8	1514.7	1570.9	1583.3
35°	1291.3	1267.7	1354.5	1394.7	1328.2	1240.9	1231.8	1555.9	1635.8	1654.0
37.5°	1397.9	1583.3	1712.9	1854.4	1739.2	1546.8	1340.6	1626.1	1728.5	1757.4
40°	1629.9	1858.7	2092.8	2275.5	2101.4	1842.6	1547.4	1730.6	1856.0	1882.2
42.5°	1848.5	2116.9	2439.5	2675.7	2449.6	2084.2	1770.3	1906.3	2024.2	2038.7
45°	2062.8	2370.3	2859.0	3187.4	2880.4	2314.1	1998.0	2203.2	2292.1	2292.7
47.5°	2314.1	2655.9	3385.1	3852.9	3452.1	2568.6	2211.7	2673.1	2796.8	2736.3
50°	2614.7	2939.9	3926.8	4627.1	4149.2	2881.5	2483.4	3245.8	3414.6	3346.0
52.5°	3017.0	3252.8	4523.7	5382.0	4908.9	3237.8	2877.2	4002.4	4058.1	3930.0
55°	3583.4	3704.5	5289.9	6314.3	5757.1	3676.6	3453.2	4951.8	4795.9	4428.9
57.5°	4873.0	4419.2	6273.6	7377.9	6716.7	4473.9	4715.5	5998.7	5444.2	4825.3
60°	5952.1	5287.2	7183.9	8433.4	7539.1	5352.6	5900.7	6180.9	5420.1	4781.4
62.5°	5588.3	5508.5	7512.3	8549.6	7819.9	5784.9	5680.5	5721.7	5066.4	4489.4
65°	4903.0	5081.5	7219.3	7998.3	7508.6	5397.6	5138.2	5297.4	4661.9	4080.6
67.5°	4498.5	4629.8	6697.9	7115.9	6942.8	4978.6	4716.6	4601.4	4034.0	3540.0
70°	4084.9	4193.6	5966.0	6008.4	6060.3	4282.1	3856.6	3513.7	3006.9	2661.3
72.5°	3529.8	3535.7	5040.7	4795.3	4893.9	3350.8	3104.4	2627.0	2188.7	1875.3
75°	2961.3	2799.5	3990.0	3351.9	3549.6	2606.6	2577.7	1979.8	1650.8	1393.6
77.5°	2257.8	2068.7	2914.7	2204.2	2493.0	1736.0	1938.0	1342.7	1161.6	927.5
80°	1515.8	1397.9	1610.6	1244.1	1631.0	1196.4	1263.9	760.8	659.6	511.7
82.5°	799.4	682.6	995.5	737.8	983.7	657.4	474.2	235.2	200.4	161.8
85°	309.7	358.4	488.1	262.5	381.5	234.7	137.2	58.4	48.8	37.0
87.5°	60.0	92.7	50.9	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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