

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: P629792

Luminaire Tested: GWS-SA1C-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629792  
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-SA1C-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

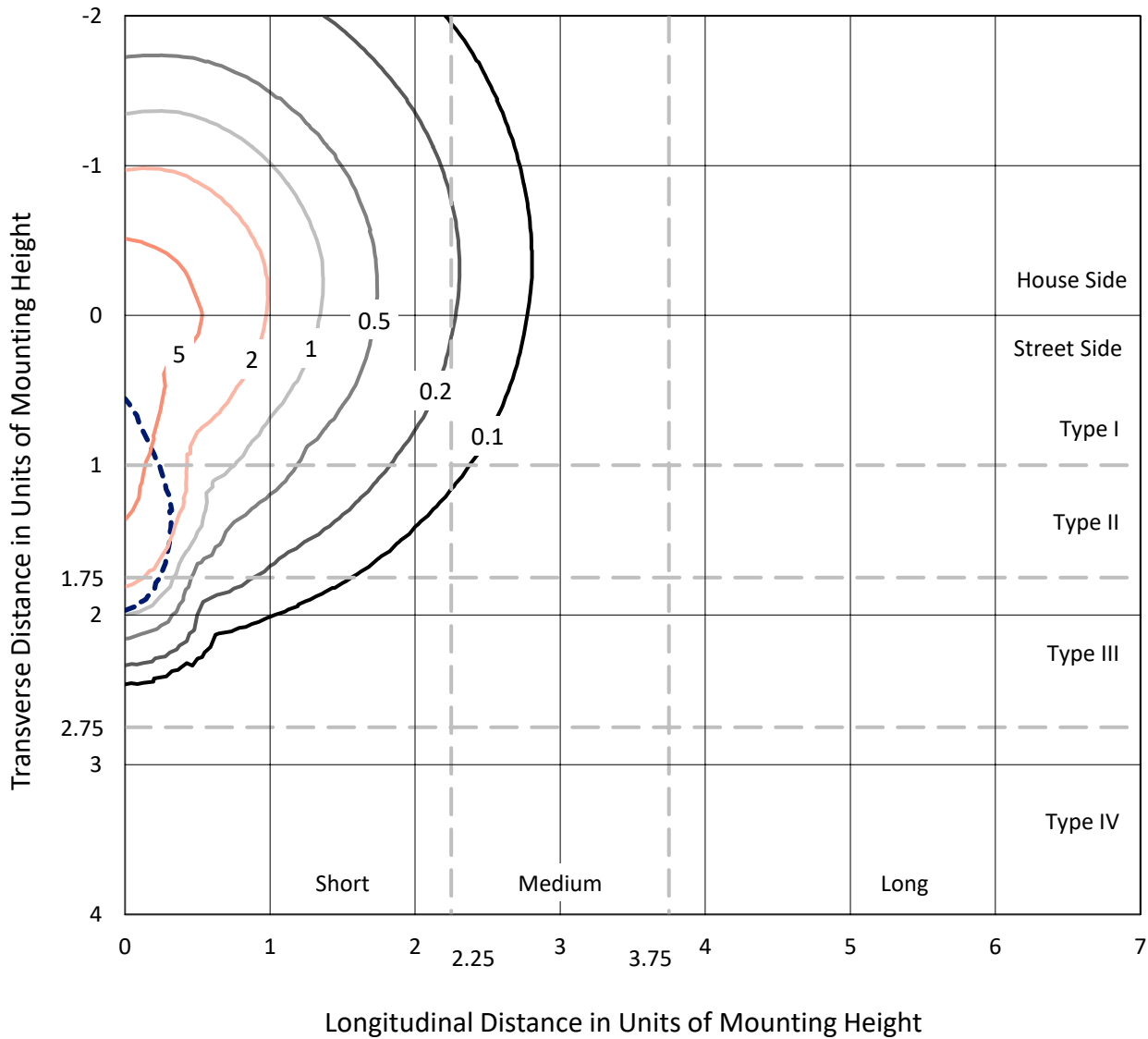
Lumens per Lamp: N/A  
Luminaire Lumens: 3690.1 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

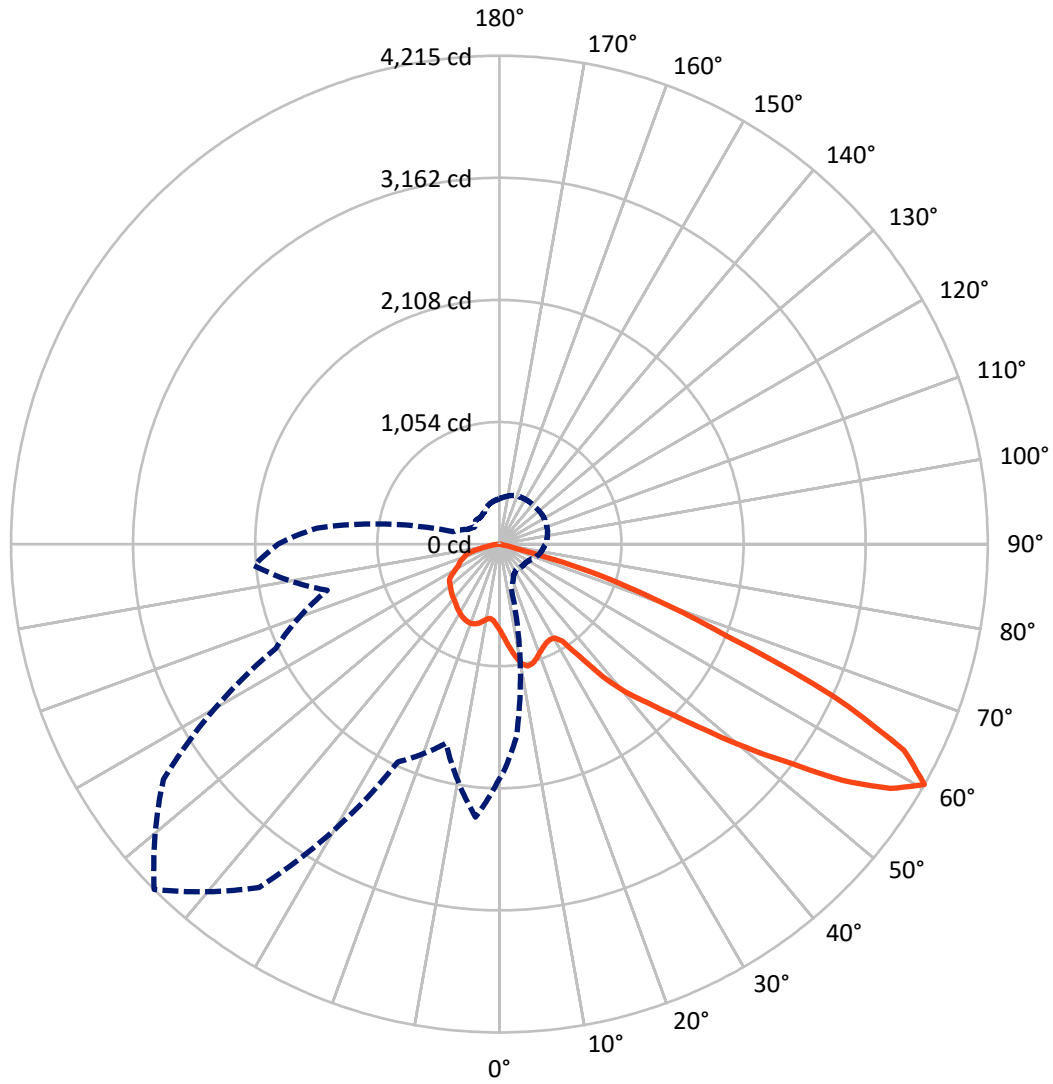
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 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
<b>House Side</b>	Lumens	1262.4	0.0	1262.4
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	2427.8	0.0	2427.8
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	3690.1	0.0	3690.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.7	2.0
10°-20°	233.2	6.3
20°-30°	379.8	10.3
30°-40°	533.6	14.5
40°-50°	730.2	19.8
50°-60°	936.7	25.4
60°-70°	630.8	17.1
70°-80°	157.7	4.3
80°-90°	15.4	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°	3690.1	100.0
0°-180°	3690.1	100.0

**Coefficient of Utilization**



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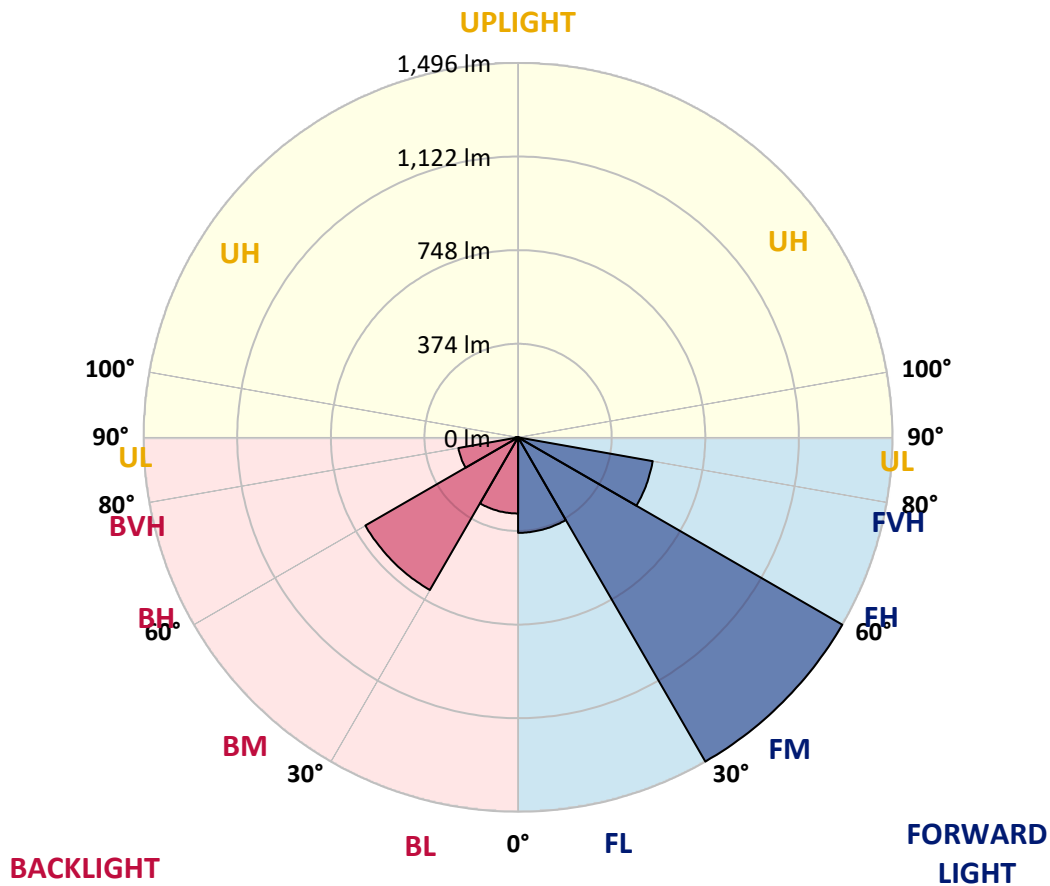
CATALOG NUMBER: GWS-SA1C-735-U-SLL-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.5	10.3			
FM (30°-60°)	1496.0	40.5			
FH (60°-80°)	546.3	14.8			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	304.3	8.2	B1/500		
BM (30°-60°)	704.5	19.1	B1/1000		
BH (60°-80°)	242.2	6.6	B1/500		G1/500
BVH (80°-90°)	11.4	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°	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3
2.5°	787.4	785.7	784.0	770.8	767.4	757.8	751.1	742.6	730.3	723.5	717.7
5°	836.7	834.0	824.8	797.6	779.9	760.6	744.6	726.9	708.2	696.0	686.5
7.5°	883.2	882.6	866.9	822.1	793.5	765.7	743.9	718.1	691.2	672.9	660.7
10°	926.4	921.3	902.6	844.2	806.8	774.8	751.4	722.8	691.6	666.8	650.5
12.5°	964.5	958.0	932.2	864.6	818.3	778.9	753.4	730.0	709.3	688.5	669.8
15°	995.7	987.9	961.8	883.6	828.5	776.5	740.9	722.5	729.6	738.8	718.1
17.5°	1025.0	1016.8	984.9	897.5	831.6	761.9	709.9	702.1	738.1	779.9	770.4
20°	1049.4	1040.3	1003.2	904.3	826.2	734.1	669.8	683.4	731.0	781.0	796.2
22.5°	1075.9	1068.5	1023.9	914.2	819.4	695.7	636.2	669.5	718.8	762.6	785.7
25°	1118.4	1109.2	1056.2	931.5	816.0	659.6	612.1	655.9	701.8	741.5	759.5
27.5°	1179.9	1162.9	1100.4	961.8	819.7	625.6	596.8	639.2	682.1	716.0	730.7
30°	1246.9	1226.5	1149.3	993.0	825.1	604.9	588.6	620.2	651.8	685.8	701.8
32.5°	1326.1	1308.1	1201.7	1016.5	813.6	595.4	582.5	599.5	624.6	651.8	665.1
35°	1420.5	1388.3	1258.8	1035.5	776.2	581.5	577.1	576.7	590.0	616.5	631.4
37.5°	1522.2	1487.5	1329.1	1055.9	718.1	559.4	564.1	549.9	562.1	583.2	600.2
40°	1605.4	1569.1	1400.1	1083.8	645.4	524.7	535.6	520.3	527.8	549.5	568.6
42.5°	1687.0	1648.2	1466.4	1115.4	575.0	490.7	496.2	490.4	492.8	515.5	542.0
45°	1794.0	1750.5	1548.0	1137.8	511.8	463.9	458.8	448.9	461.5	491.1	519.3
47.5°	1972.8	1920.8	1681.5	1152.4	465.9	448.6	425.1	419.4	435.0	468.0	497.2
50°	2181.8	2136.9	1895.0	1151.7	431.6	435.7	392.5	387.4	413.2	446.6	477.5
52.5°	2353.1	2307.5	2077.5	1117.7	403.4	408.2	373.5	359.2	394.6	425.5	456.4
55°	2491.4	2440.1	2161.4	975.7	367.7	364.3	352.8	326.6	371.1	404.4	433.3
57.5°	2417.0	2355.8	2059.8	741.9	331.0	309.6	317.1	297.7	339.2	381.0	408.8
60°	2026.5	1971.4	1673.4	394.9	291.2	258.6	274.3	277.3	304.2	352.8	381.3
62.5°	1392.0	1351.9	1134.1	239.6	229.7	207.6	232.1	254.2	274.3	315.4	340.2
65°	681.0	669.1	567.2	153.6	160.7	167.9	192.4	219.2	248.8	284.8	311.0
67.5°	187.6	189.0	172.0	120.0	126.8	146.5	165.8	187.3	216.8	250.1	276.6
70°	82.6	83.9	86.7	92.4	105.4	123.4	143.4	165.5	192.7	220.6	246.0
72.5°	57.4	58.8	62.9	70.3	81.9	98.9	117.9	139.0	167.2	190.7	211.7
75°	35.3	36.4	40.1	46.6	54.4	67.3	86.0	105.4	130.2	151.6	170.3
77.5°	18.7	18.0	20.4	24.8	31.6	38.4	51.0	63.2	80.9	98.2	113.8
80°	10.2	9.9	11.2	13.6	15.6	21.1	29.6	37.7	47.9	57.8	66.3
82.5°	4.4	4.1	4.4	5.8	7.1	10.2	15.0	20.7	26.5	33.3	38.7
85°	0.0	0.0	0.0	0.3	1.7	2.7	5.1	7.5	10.9	15.0	18.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.1
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°	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3
2.5°	714.3	705.9	705.2	698.4	699.1	699.4	692.6	689.9	692.3	695.0	693.6
5°	683.1	674.2	670.5	664.1	663.4	660.3	657.6	654.2	656.6	659.0	660.3
7.5°	655.9	650.1	647.7	646.0	646.7	645.4	639.9	636.9	636.5	637.5	638.9
10°	647.1	642.3	645.4	650.1	653.5	655.9	650.1	645.0	640.3	638.2	638.2
12.5°	666.1	660.0	666.1	671.2	678.0	679.7	673.2	667.8	666.1	668.1	672.2
15°	708.2	694.0	693.6	696.7	702.1	704.8	698.7	696.0	696.0	708.9	719.1
17.5°	750.4	726.9	717.1	715.4	718.8	719.8	714.7	712.3	718.4	743.6	762.6
20°	779.9	751.4	730.0	725.9	726.9	727.3	723.2	721.5	730.3	760.9	776.9
22.5°	776.9	755.8	729.6	724.5	726.2	725.6	721.8	721.1	728.3	754.8	762.3
25°	755.8	739.5	717.4	714.0	716.7	716.4	712.6	710.9	714.0	731.7	732.4
27.5°	731.7	717.4	698.4	697.4	701.8	704.2	697.7	692.6	691.6	703.5	700.8
30°	702.8	692.3	677.0	677.6	685.8	687.2	679.3	671.9	669.8	676.3	672.5
32.5°	668.5	665.1	656.9	658.6	666.4	669.1	661.0	653.2	650.8	652.8	645.0
35°	639.2	637.9	638.6	641.6	648.4	650.5	643.7	637.5	634.1	627.0	616.8
37.5°	609.0	612.7	622.6	628.4	632.1	631.4	627.7	623.3	617.8	604.6	592.0
40°	580.8	590.3	608.0	614.4	615.8	616.1	613.4	609.7	602.9	585.2	570.9
42.5°	559.0	569.6	593.0	602.9	603.6	604.2	601.5	598.5	588.9	565.5	551.6
45°	536.3	550.2	577.7	589.6	588.9	588.6	586.2	584.9	573.7	546.5	531.2
47.5°	516.9	533.2	562.8	573.0	572.6	572.3	570.6	570.6	559.4	529.8	512.5
50°	497.9	516.6	547.5	556.0	556.7	556.0	555.3	556.3	543.1	511.5	494.5
52.5°	477.1	498.2	530.5	538.3	542.4	544.1	544.1	541.7	526.1	493.1	474.4
55°	454.4	474.4	511.8	522.3	525.7	528.8	528.8	524.0	509.4	476.1	456.1
57.5°	426.2	443.8	473.4	483.9	492.1	494.1	494.1	486.3	474.4	442.5	426.2
60°	395.6	410.9	430.9	442.1	448.3	444.2	447.2	445.2	435.7	406.1	392.5
62.5°	354.8	370.4	392.5	404.1	406.8	402.7	406.8	406.5	393.5	367.0	350.7
65°	325.6	340.9	362.6	377.6	382.0	381.0	383.7	379.6	363.6	338.5	322.8
67.5°	290.9	307.2	332.4	349.0	358.2	359.2	363.0	354.5	338.1	310.6	290.9
70°	257.9	271.9	291.2	306.9	319.8	326.2	326.9	314.7	294.3	271.5	257.3
72.5°	223.3	237.5	261.0	278.0	294.3	301.8	301.8	286.8	264.7	239.6	224.3
75°	181.1	194.4	215.8	234.2	252.8	262.4	262.0	249.1	224.6	200.8	184.9
77.5°	122.7	132.5	146.1	160.1	162.8	170.3	174.0	157.7	144.1	131.2	116.9
80°	71.4	77.5	85.0	92.8	94.5	96.9	90.7	84.6	77.5	69.0	62.5
82.5°	41.8	45.9	49.6	55.7	56.8	57.4	52.0	49.3	43.5	38.4	34.3
85°	20.4	21.7	25.1	28.2	26.8	26.2	23.8	21.1	18.7	16.7	14.6
87.5°	4.1	4.1	6.1	5.8	4.8	4.1	2.4	3.1	0.7	0.7	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°	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3
2.5°	698.0	703.8	710.9	720.5	731.3	742.9	754.1	762.6	771.1	783.7	781.6
5°	662.4	672.2	683.4	698.0	715.7	735.8	758.2	780.6	804.7	825.1	834.0
7.5°	641.6	652.5	665.8	684.8	707.6	732.0	763.6	800.0	839.1	865.9	882.6
10°	641.6	655.6	672.9	691.2	711.3	736.4	775.5	821.1	871.4	906.7	926.1
12.5°	678.7	692.6	696.3	695.7	706.9	734.7	785.0	843.1	903.3	940.7	964.5
15°	736.4	741.2	713.0	687.2	688.9	722.5	789.5	860.8	930.8	975.7	1001.5
17.5°	775.2	762.6	712.3	667.1	657.6	701.8	789.5	877.8	960.1	1010.7	1034.8
20°	778.2	747.0	695.0	647.7	623.3	674.2	784.0	890.7	988.3	1044.3	1070.2
22.5°	751.4	720.5	676.6	631.1	595.1	640.9	775.2	900.6	1012.4	1075.9	1107.9
25°	720.8	695.0	657.9	614.1	575.7	607.3	767.0	917.2	1046.0	1118.8	1151.0
27.5°	690.9	669.1	635.5	599.8	564.8	578.1	761.9	941.7	1086.1	1179.6	1207.5
30°	661.7	642.0	611.4	586.2	559.0	559.0	757.5	969.9	1139.2	1247.9	1275.8
32.5°	632.1	613.4	588.6	573.0	555.6	551.6	745.3	996.4	1193.9	1322.7	1351.2
35°	604.6	585.9	566.9	560.4	553.9	545.8	715.0	1017.1	1247.2	1410.0	1434.5
37.5°	578.8	560.7	546.5	544.8	545.4	530.2	667.4	1034.5	1313.8	1499.4	1512.3
40°	556.3	536.3	525.1	524.7	528.1	505.0	607.3	1059.3	1390.0	1575.2	1569.7
42.5°	536.3	515.2	501.6	504.7	502.6	479.9	548.5	1082.1	1456.2	1646.2	1635.3
45°	516.6	496.2	477.1	481.6	479.2	464.2	498.5	1098.7	1529.6	1731.5	1732.9
47.5°	497.5	477.5	458.4	453.0	452.7	459.5	460.1	1104.1	1649.3	1868.8	1837.9
50°	479.9	459.8	440.1	421.7	428.9	450.0	431.6	1100.1	1828.3	2020.4	1934.0
52.5°	461.5	442.5	420.7	387.8	406.5	427.2	406.1	1085.5	1937.8	2154.3	2102.6
55°	440.4	422.4	392.9	352.8	375.5	379.9	379.9	944.1	1984.3	2286.8	2318.7
57.5°	412.2	388.4	341.5	309.3	329.6	312.7	352.1	660.7	1907.5	2245.0	2369.0
60°	380.3	354.8	305.2	282.1	288.2	258.3	300.1	414.3	1580.9	1910.3	2125.0
62.5°	338.1	314.7	273.6	255.6	243.0	210.7	241.6	262.0	1083.8	1418.5	1565.0
65°	309.9	284.1	247.4	223.6	197.8	169.6	160.4	172.0	582.8	793.9	892.8
67.5°	276.6	251.1	216.5	186.6	165.8	145.5	129.5	125.4	199.8	264.4	286.1
70°	245.0	220.6	191.7	163.8	143.1	123.0	107.4	96.2	92.4	91.8	90.4
72.5°	212.7	190.0	165.8	140.0	117.2	98.9	85.0	72.0	66.6	64.9	63.2
75°	174.3	156.3	132.2	104.3	86.0	69.0	58.1	49.6	44.9	43.2	41.1
77.5°	112.1	104.0	82.9	67.3	52.0	41.1	35.3	29.9	26.8	26.2	24.5
80°	59.8	55.7	45.9	38.7	30.9	25.1	22.1	19.0	17.3	16.7	16.0
82.5°	33.3	30.2	25.5	22.4	18.0	15.3	13.6	12.2	11.2	10.9	10.5
85°	15.0	12.9	10.2	9.5	8.5	7.8	7.5	6.8	6.5	6.1	5.8
87.5°	0.7	1.4	1.7	1.4	1.4	2.0	2.4	2.4	2.0	2.0	1.7
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: P629792

CATALOG NUMBER: GWS-SA1C-735-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3
2.5°	794.2	804.4	805.4	808.8	804.4	803.4	796.2	792.2	788.4	787.4
5°	856.1	876.5	884.6	890.4	884.9	882.2	866.6	850.3	841.1	836.7
7.5°	919.6	950.2	966.2	973.3	974.0	961.8	934.9	904.3	889.0	883.2
10°	976.4	1014.1	1035.2	1048.8	1044.0	1029.0	992.3	950.9	931.5	926.4
12.5°	1018.5	1054.5	1070.8	1079.7	1079.3	1071.2	1036.5	991.7	969.6	964.5
15°	1045.7	1067.1	1068.1	1070.2	1075.9	1086.8	1068.8	1027.3	1002.9	995.7
17.5°	1067.1	1058.6	1042.6	1037.2	1050.1	1080.4	1091.2	1057.6	1031.1	1025.0
20°	1080.7	1037.9	1009.7	999.1	1014.1	1063.4	1104.8	1084.8	1057.2	1049.4
22.5°	1091.2	1018.5	973.0	965.8	981.5	1045.0	1118.8	1117.1	1086.8	1075.9
25°	1107.9	1005.6	947.1	942.0	956.7	1036.2	1137.5	1160.9	1134.1	1118.4
27.5°	1134.1	1004.2	933.9	932.2	952.2	1044.0	1164.3	1225.1	1191.5	1179.9
30°	1170.4	1017.1	936.9	940.3	964.8	1072.2	1206.1	1298.5	1264.9	1246.9
32.5°	1222.8	1051.8	983.5	998.1	1016.1	1117.4	1267.3	1378.1	1352.6	1326.1
35°	1291.7	1147.0	1121.1	1183.3	1166.3	1216.3	1341.0	1474.6	1443.6	1420.5
37.5°	1383.8	1342.0	1365.8	1451.5	1410.3	1403.2	1431.1	1562.3	1545.3	1522.2
40°	1513.0	1521.5	1565.3	1677.8	1618.3	1572.4	1541.5	1628.2	1634.0	1605.4
42.5°	1598.6	1637.7	1743.4	1871.2	1789.3	1679.5	1634.0	1712.5	1712.8	1687.0
45°	1630.6	1732.9	1953.8	2100.9	1963.9	1740.7	1684.9	1827.0	1823.6	1794.0
47.5°	1619.0	1813.1	2172.3	2397.2	2188.2	1784.2	1677.8	1990.1	2017.6	1972.8
50°	1594.9	1893.6	2427.5	2760.2	2463.5	1830.4	1666.9	2170.9	2216.4	2181.8
52.5°	1619.3	1983.3	2729.3	3135.4	2808.8	1904.1	1740.3	2403.0	2394.9	2353.1
55°	1696.8	2089.3	3096.0	3606.7	3188.1	2028.9	1928.9	2624.3	2541.3	2491.4
57.5°	1693.1	2165.1	3417.5	3979.5	3518.0	2131.1	1994.5	2647.7	2480.2	2417.0
60°	1536.8	2130.5	3539.8	4215.4	3617.6	2074.7	1778.7	2365.0	2092.7	2026.5
62.5°	1147.0	1890.5	3302.6	3920.1	3335.9	1792.0	1337.6	1697.5	1503.8	1392.0
65°	733.7	1479.0	2776.5	3175.8	2749.7	1370.6	796.6	910.1	713.0	681.0
67.5°	312.3	1044.0	2158.3	2122.7	2057.1	888.0	307.6	256.2	191.0	187.6
70°	103.3	710.3	1330.5	1415.8	1228.5	611.7	101.6	86.0	85.6	82.6
72.5°	67.6	381.3	749.0	834.0	790.5	352.1	61.5	57.4	58.8	57.4
75°	40.4	82.9	126.1	163.8	126.1	59.1	37.0	36.4	37.0	35.3
77.5°	23.8	23.1	22.4	22.4	22.1	20.4	18.7	18.0	18.4	18.7
80°	15.3	14.6	13.9	13.6	11.9	11.2	10.5	9.9	9.9	10.2
82.5°	9.9	9.2	8.5	7.5	6.1	5.1	4.8	4.1	4.1	4.4
85°	5.1	4.1	3.1	2.4	1.4	0.7	0.0	0.0	0.0	0.0
87.5°	1.0	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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