

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: P630779

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

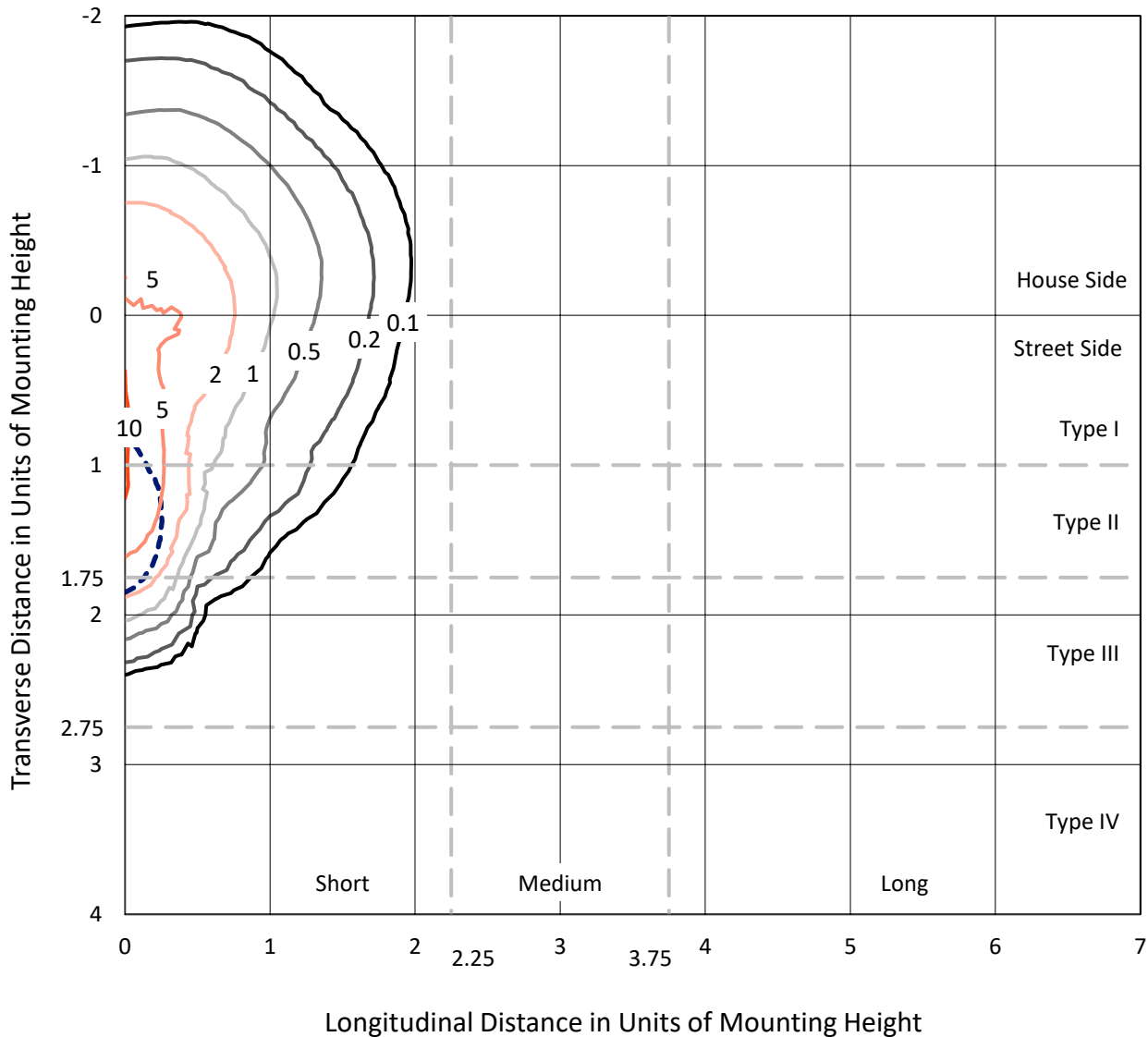
Lumens per Lamp: N/A  
Luminaire Lumens: 4007.6 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

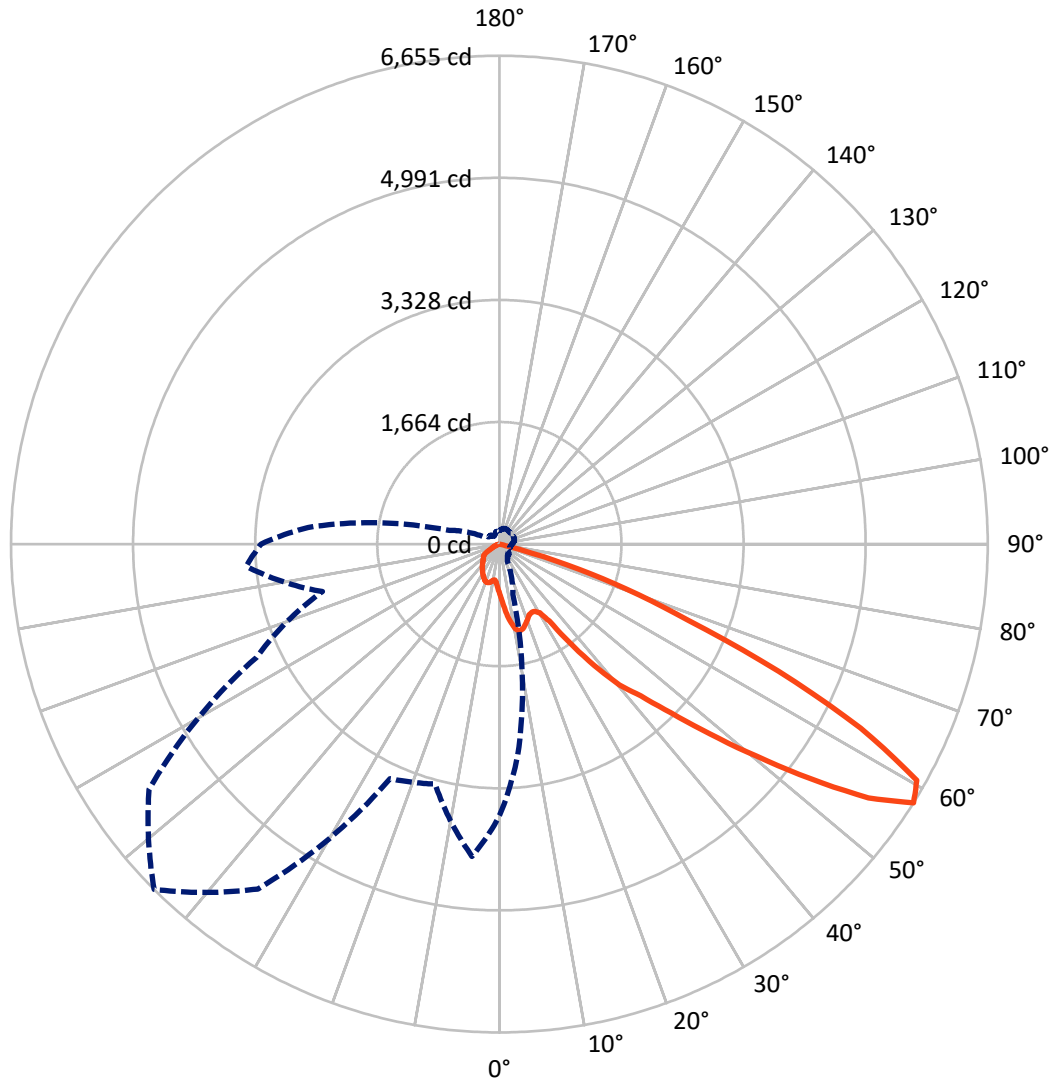
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	863.4	0.0	863.4
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	3144.2	0.0	3144.2
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	4007.6	0.0	4007.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.3	1.7
10°-20°	221.5	5.5
20°-30°	359.4	9.0
30°-40°	551.6	13.8
40°-50°	881.0	22.0
50°-60°	1233.5	30.8
60°-70°	632.5	15.8
70°-80°	60.9	1.5
80°-90°	0.0	0.0
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°	4007.6	100.0
0°-180°	4007.6	100.0

**Coefficient of Utilization**



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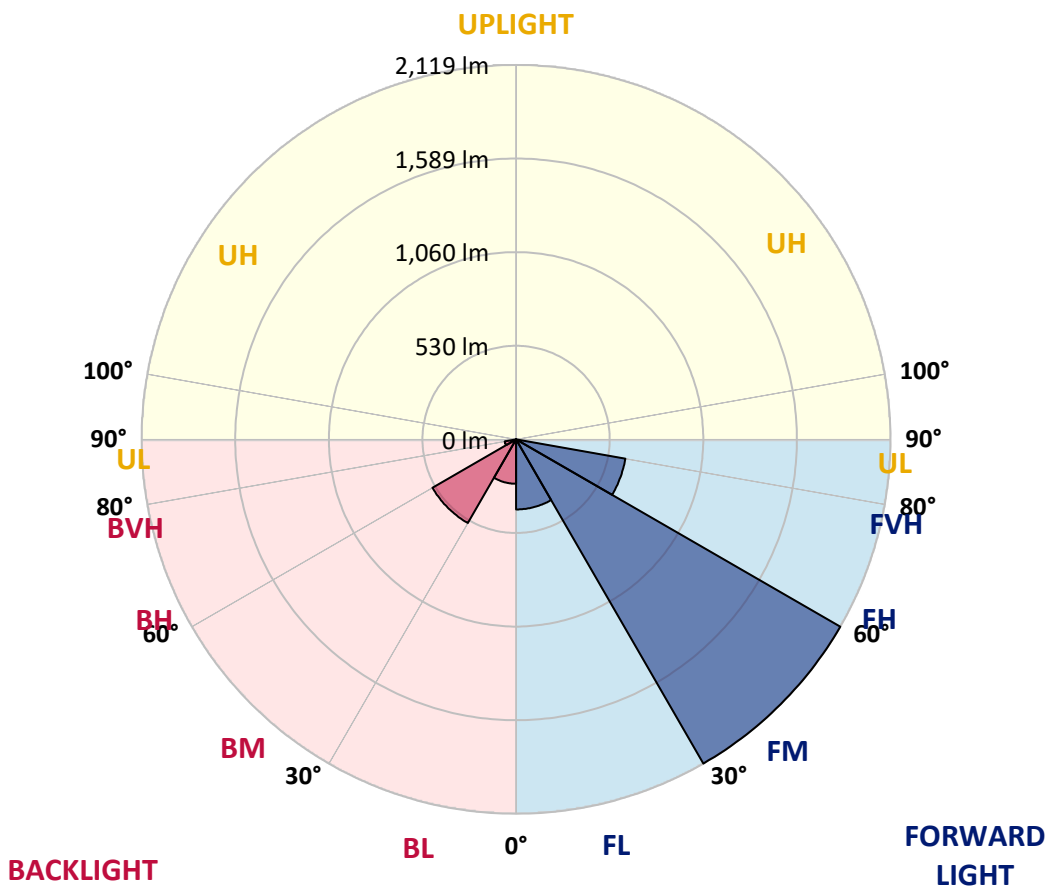
CATALOG NUMBER: GWS-SA1E-735-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.8	9.9			
FM (30°-60°)	2119.3	52.9			
FH (60°-80°)	628.1	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	251.4	6.3	B1/500		
BM (30°-60°)	546.8	13.6	B1/1000		
BH (60°-80°)	65.2	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0
2.5°	756.5	754.9	749.5	731.3	720.1	702.4	689.5	672.9	654.7	643.4	632.2
5°	836.9	832.6	818.1	776.3	744.2	709.3	681.5	650.9	618.3	596.8	577.0
7.5°	914.0	907.6	888.3	817.6	768.8	719.0	679.3	634.9	588.8	556.7	532.0
10°	989.5	975.1	944.5	857.8	791.9	731.8	685.2	634.3	580.2	539.5	512.2
12.5°	1051.7	1041.0	999.2	895.8	811.1	734.5	677.2	630.1	593.6	566.3	541.1
15°	1105.3	1093.5	1053.8	930.1	827.7	723.8	643.4	602.2	608.1	618.8	597.4
17.5°	1154.6	1142.2	1099.4	958.5	834.2	697.6	596.3	576.5	609.2	649.3	641.3
20°	1205.5	1191.5	1139.0	981.5	832.0	656.3	548.6	554.5	600.6	646.7	650.9
22.5°	1264.9	1250.5	1189.4	1011.0	830.4	607.0	507.4	535.2	584.5	623.6	631.1
25°	1343.7	1326.5	1259.6	1054.4	834.7	562.0	477.9	516.5	557.2	592.6	596.8
27.5°	1447.6	1425.7	1340.5	1108.0	843.8	526.7	465.0	490.8	522.4	554.0	557.7
30°	1583.2	1555.3	1433.2	1154.6	839.5	502.0	456.5	465.0	483.8	509.5	510.0
32.5°	1741.8	1703.7	1537.1	1194.7	802.6	483.8	444.7	438.8	443.1	462.9	466.6
35°	1928.2	1878.9	1651.7	1232.8	735.1	448.4	423.3	403.4	401.8	411.5	420.6
37.5°	2142.0	2083.0	1796.4	1281.5	655.2	411.5	391.6	371.8	363.2	368.1	382.0
40°	2339.1	2273.8	1947.5	1340.5	573.8	378.2	354.7	334.3	324.1	325.7	342.9
42.5°	2570.6	2503.1	2132.3	1417.6	506.3	355.7	316.1	295.2	281.8	289.3	309.1
45°	2922.0	2845.4	2401.8	1484.6	452.7	350.4	282.3	252.9	246.4	259.3	282.9
47.5°	3402.1	3308.3	2772.0	1525.3	407.2	355.2	258.8	218.6	220.2	234.7	258.2
50°	3878.4	3777.1	3200.1	1471.7	369.7	345.6	247.0	191.8	202.0	214.8	236.3
52.5°	4205.7	4073.9	3408.5	1316.9	335.4	309.1	245.9	166.6	185.9	190.2	208.4
55°	4218.6	4056.2	3301.9	1038.3	288.8	260.9	234.7	145.7	168.2	169.8	185.4
57.5°	3697.8	3551.0	2885.6	713.1	256.6	191.3	187.0	127.5	138.2	151.6	161.3
60°	2813.3	2688.4	2158.0	326.8	195.0	121.6	128.0	109.8	103.4	123.2	132.9
62.5°	1723.0	1643.2	1294.4	144.7	124.3	64.8	77.7	87.3	77.7	85.2	93.2
65°	684.2	648.8	491.3	61.6	50.9	32.7	35.4	50.9	54.6	60.0	67.5
67.5°	118.9	112.5	82.5	27.3	20.9	19.8	17.1	23.6	33.2	37.0	42.9
70°	15.5	15.0	13.4	11.3	10.7	9.6	7.5	15.0	22.5	23.6	27.3
72.5°	3.8	3.2	3.2	2.7	3.2	1.1	1.1	8.0	16.1	16.6	19.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	10.2	11.3	13.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0
2.5°	623.1	612.4	608.6	603.3	596.3	598.4	588.8	585.6	590.4	596.8	595.2
5°	566.3	554.5	546.5	534.2	532.0	527.2	524.0	519.7	525.0	532.5	534.2
7.5°	521.3	511.1	503.1	499.3	496.6	494.5	488.1	484.9	484.9	488.1	490.8
10°	502.0	494.5	492.9	494.0	498.3	497.7	491.8	487.5	482.2	479.5	482.7
12.5°	528.8	516.5	514.3	514.9	520.2	519.7	513.3	507.9	506.8	507.9	518.1
15°	574.3	555.6	541.7	539.0	541.7	540.6	535.8	532.5	534.2	549.7	566.8
17.5°	615.1	586.1	560.9	551.3	550.8	549.2	544.3	543.3	551.3	580.2	605.4
20°	626.8	598.4	562.5	550.2	547.5	545.9	540.6	542.2	552.4	587.2	608.6
22.5°	611.3	584.0	546.5	534.2	532.0	531.5	526.1	528.3	536.8	567.4	585.0
25°	581.8	558.8	519.7	509.0	509.0	507.9	503.1	504.1	509.5	536.3	553.4
27.5°	545.9	524.0	491.3	480.6	482.2	483.8	477.9	476.3	480.6	505.8	515.9
30°	504.7	489.1	463.4	453.8	453.3	459.7	451.6	449.5	455.4	475.2	477.4
32.5°	464.5	457.0	438.8	431.3	431.8	432.9	428.6	428.6	434.0	444.7	444.1
35°	425.4	420.6	417.4	412.0	411.5	409.3	409.3	410.4	416.3	420.0	413.1
37.5°	387.9	392.7	396.5	391.1	386.8	386.8	386.8	391.6	397.0	395.4	383.6
40°	354.7	364.9	376.6	370.7	360.6	360.0	362.2	370.2	378.2	368.6	357.9
42.5°	326.3	339.1	355.7	352.5	341.3	339.7	341.3	351.5	357.9	345.6	333.8
45°	298.4	314.5	334.3	334.3	322.0	320.4	320.9	334.3	338.1	323.6	308.6
47.5°	274.8	292.5	313.4	313.4	303.2	300.0	302.7	316.6	319.3	299.0	285.0
50°	252.3	271.6	294.7	293.1	286.1	283.4	288.2	303.2	300.0	277.5	263.1
52.5°	223.9	244.3	275.9	277.5	273.8	274.3	280.2	289.8	280.7	253.4	241.1
55°	198.2	219.1	250.7	259.3	259.3	258.8	261.5	269.0	261.5	228.8	213.8
57.5°	170.4	188.1	214.3	216.4	218.1	212.2	215.9	226.1	222.3	194.5	185.9
60°	139.8	154.8	169.8	171.4	164.5	152.2	159.1	170.9	173.6	152.7	143.0
62.5°	99.1	113.6	131.3	131.3	124.3	112.0	121.1	131.3	127.5	106.1	100.2
65°	73.9	87.3	100.7	106.6	100.7	92.2	99.1	106.6	100.7	83.0	74.5
67.5°	47.7	56.8	64.8	69.6	70.7	69.6	72.9	70.7	63.8	52.0	47.1
70°	28.9	33.8	38.0	42.3	45.5	47.1	48.8	43.9	37.0	30.5	28.9
72.5°	20.9	25.2	28.9	32.1	35.9	37.0	37.0	33.8	27.3	21.4	19.8
75°	14.5	18.2	21.4	23.6	26.8	27.9	27.9	25.2	20.4	15.5	13.9
77.5°	0.5	3.8	3.8	3.2	4.3	5.4	5.4	6.4	5.9	4.3	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0
2.5°	598.4	617.7	623.1	642.9	660.6	678.3	699.7	712.6	731.8	745.2	752.7
5°	539.5	555.6	574.9	604.3	634.9	668.6	709.3	744.7	789.2	821.9	832.6
7.5°	496.6	517.5	540.0	577.0	618.8	663.8	721.1	779.0	847.0	891.5	919.9
10°	488.6	510.0	540.0	576.5	620.4	671.8	742.0	817.0	902.2	956.3	988.5
12.5°	527.2	550.2	563.1	579.7	612.9	670.2	760.2	855.6	955.8	1014.7	1049.0
15°	584.0	604.3	583.4	562.5	584.0	653.1	770.4	887.8	1002.9	1071.0	1106.3
17.5°	623.1	624.7	579.2	534.7	540.6	622.0	774.2	919.9	1053.3	1124.6	1161.5
20°	619.3	606.5	560.4	511.1	492.9	581.8	769.9	948.3	1104.2	1178.7	1215.1
22.5°	590.4	575.4	536.3	488.1	452.7	534.2	762.4	974.0	1150.8	1235.5	1269.8
25°	555.6	539.5	507.4	465.0	427.0	488.1	756.5	1009.4	1209.7	1309.4	1336.2
27.5°	514.9	500.9	473.6	443.1	416.3	453.3	754.9	1056.0	1281.0	1399.4	1418.2
30°	475.2	462.4	440.9	423.3	412.0	432.9	749.5	1105.8	1366.2	1502.8	1523.2
32.5°	437.2	424.3	410.9	408.2	408.8	425.4	731.3	1155.1	1467.4	1652.8	1667.8
35°	404.5	389.5	384.1	390.6	402.4	412.5	679.9	1195.8	1576.2	1816.2	1828.5
37.5°	373.4	358.4	357.9	373.4	386.3	392.7	619.3	1236.0	1723.0	1982.3	1997.8
40°	345.0	330.0	335.4	354.1	364.3	367.5	545.9	1297.1	1878.4	2157.5	2148.9
42.5°	320.9	305.4	308.6	332.7	341.8	350.4	478.4	1348.0	2027.9	2323.6	2320.9
45°	297.3	285.6	283.4	309.7	317.7	352.0	429.1	1387.1	2220.2	2535.2	2539.5
47.5°	274.3	265.2	265.7	277.0	296.8	360.0	387.4	1412.8	2499.3	2870.6	2796.1
50°	253.4	246.4	252.3	239.5	283.4	349.9	351.5	1407.4	2811.1	3192.1	3042.6
52.5°	230.4	228.8	231.4	200.4	262.0	308.6	317.7	1336.2	2957.4	3411.7	3326.5
55°	206.8	206.3	184.8	160.2	219.1	246.4	272.2	1114.9	2952.6	3528.5	3631.9
57.5°	178.9	174.7	140.4	130.7	170.4	171.4	248.1	730.2	2616.7	3248.8	3463.2
60°	135.5	132.3	102.9	106.1	118.9	109.8	197.7	363.8	1955.5	2530.9	2772.6
62.5°	93.8	89.5	76.6	82.0	76.6	62.7	121.1	180.0	1184.6	1598.2	1817.3
65°	68.6	63.8	52.5	45.0	35.9	35.9	46.1	69.1	458.6	679.3	819.2
67.5°	42.3	40.2	31.1	22.5	22.0	23.6	24.1	34.3	73.9	117.9	144.1
70°	27.3	25.2	20.9	14.5	13.4	13.9	14.5	16.1	18.8	20.4	24.6
72.5°	18.8	17.7	15.0	8.0	6.4	7.0	7.5	7.5	9.1	8.6	10.2
75°	13.4	12.3	10.7	3.8	2.1	2.7	3.2	2.7	3.2	2.1	2.7
77.5°	3.8	3.8	2.7	0.5	0.0	0.5	1.1	1.1	0.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CATALOG NUMBER: GWS-SA1E-735-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0
2.5°	772.0	784.4	789.2	782.2	788.1	778.5	774.7	760.2	759.2	756.5
5°	876.0	903.8	920.4	930.6	918.8	906.0	886.7	853.5	843.3	836.9
7.5°	978.3	1021.7	1050.1	1063.5	1060.3	1034.0	999.2	943.5	923.6	914.0
10°	1067.2	1120.3	1154.6	1171.2	1164.2	1141.2	1091.3	1021.7	995.4	989.5
12.5°	1129.4	1178.1	1201.7	1216.2	1216.7	1207.6	1160.5	1090.3	1059.2	1051.7
15°	1168.5	1189.4	1189.9	1198.5	1213.5	1233.9	1211.9	1149.7	1116.5	1105.3
17.5°	1193.1	1170.1	1146.5	1148.7	1173.3	1227.4	1249.9	1202.2	1166.9	1154.6
20°	1210.8	1138.0	1094.0	1094.6	1119.7	1201.7	1276.2	1253.1	1216.7	1205.5
22.5°	1222.1	1109.6	1046.9	1045.3	1072.1	1171.2	1300.3	1313.7	1277.8	1264.9
25°	1245.1	1096.2	1018.5	1027.6	1051.2	1161.5	1333.0	1394.0	1360.8	1343.7
27.5°	1286.4	1109.6	1015.8	1036.7	1063.5	1189.9	1389.8	1501.2	1466.9	1447.6
30°	1357.6	1159.9	1057.1	1086.0	1118.1	1264.4	1485.1	1650.7	1601.4	1583.2
32.5°	1472.3	1264.4	1184.6	1246.7	1277.8	1386.5	1628.2	1818.4	1778.2	1741.8
35°	1630.3	1502.8	1493.7	1638.4	1630.9	1618.0	1803.9	2024.1	1963.6	1928.2
37.5°	1847.8	1886.4	1953.9	2097.5	2092.7	1994.6	2034.8	2218.6	2187.5	2142.0
40°	2119.5	2201.4	2316.1	2521.8	2457.5	2334.3	2318.2	2417.9	2392.7	2339.1
42.5°	2279.7	2421.1	2639.7	2824.5	2773.1	2557.7	2539.5	2684.2	2629.0	2570.6
45°	2354.1	2600.0	3028.6	3278.8	3122.9	2706.1	2699.2	3031.3	3000.3	2922.0
47.5°	2388.4	2780.6	3484.0	3862.8	3571.4	2836.3	2811.1	3534.9	3494.2	3402.1
50°	2426.5	3029.7	4032.7	4539.5	4113.0	2983.6	3001.9	4004.3	3987.1	3878.4
52.5°	2510.0	3293.3	4708.3	5313.1	4769.9	3214.6	3329.2	4446.8	4331.1	4205.7
55°	2635.4	3580.5	5411.2	6103.4	5440.1	3524.8	3683.3	4682.0	4357.3	4218.6
57.5°	2496.6	3652.3	5827.5	6655.2	5737.5	3525.8	3383.9	4274.3	3832.3	3697.8
60°	1981.2	3397.8	5667.3	6535.7	5484.0	3131.0	2590.9	3337.2	2903.3	2813.3
62.5°	1339.4	2849.7	4989.0	5527.4	4693.8	2462.9	1683.9	2170.4	1797.5	1723.0
65°	734.0	2125.9	4031.1	4181.6	3673.7	1720.3	866.3	941.9	717.4	684.2
67.5°	202.5	1479.8	2966.0	2774.2	2577.5	1120.3	223.9	168.2	120.0	118.9
70°	50.9	978.8	1777.1	1831.8	1580.5	717.4	42.9	20.4	16.1	15.5
72.5°	21.4	421.1	843.3	969.2	809.0	332.2	15.5	5.9	4.8	3.8
75°	2.7	33.8	71.8	108.8	74.5	35.9	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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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