

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: P629300

Luminaire Tested: GWS-SA1B-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

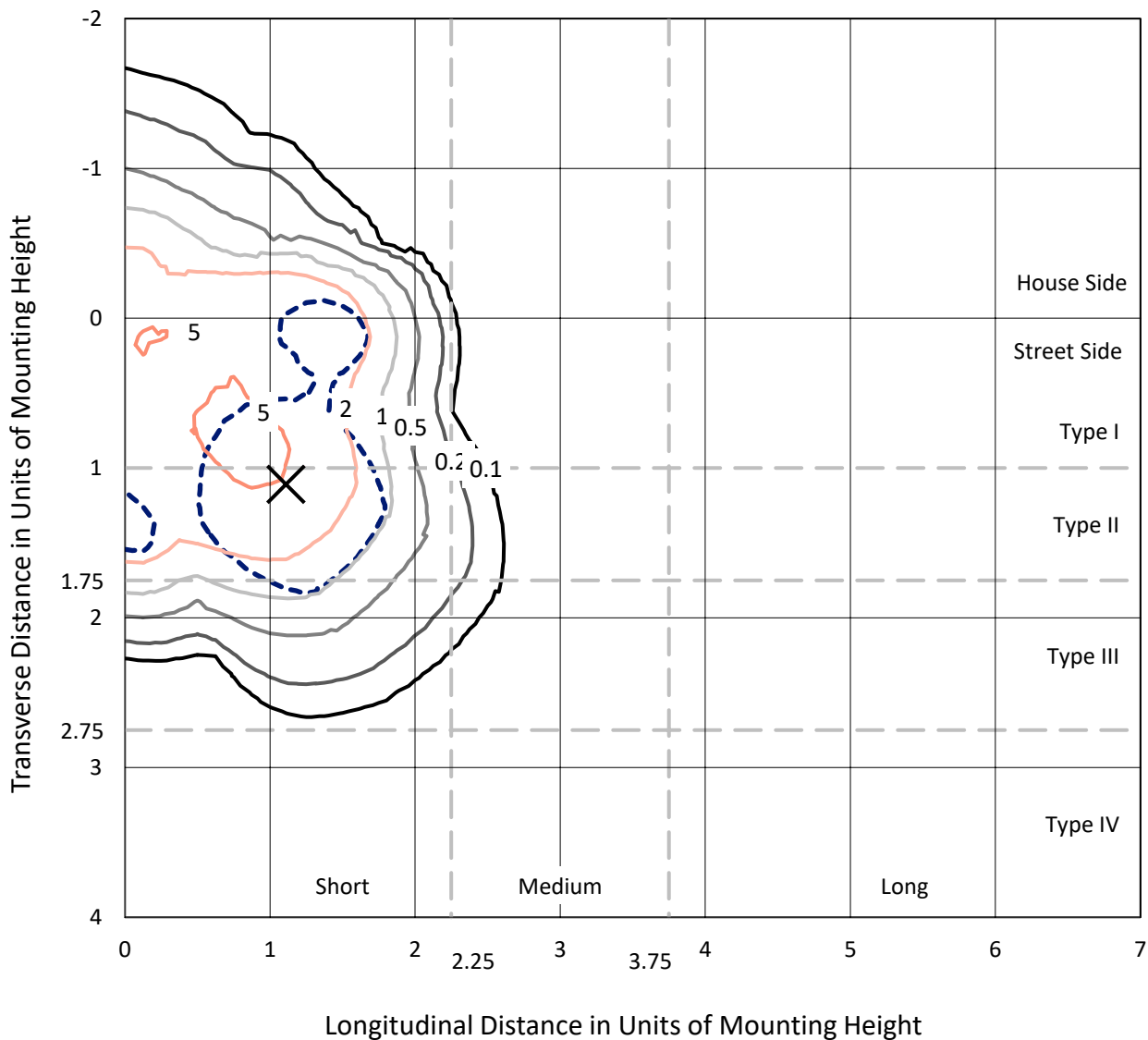
Lumens per Lamp: N/A  
Luminaire Lumens: 1885.9 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

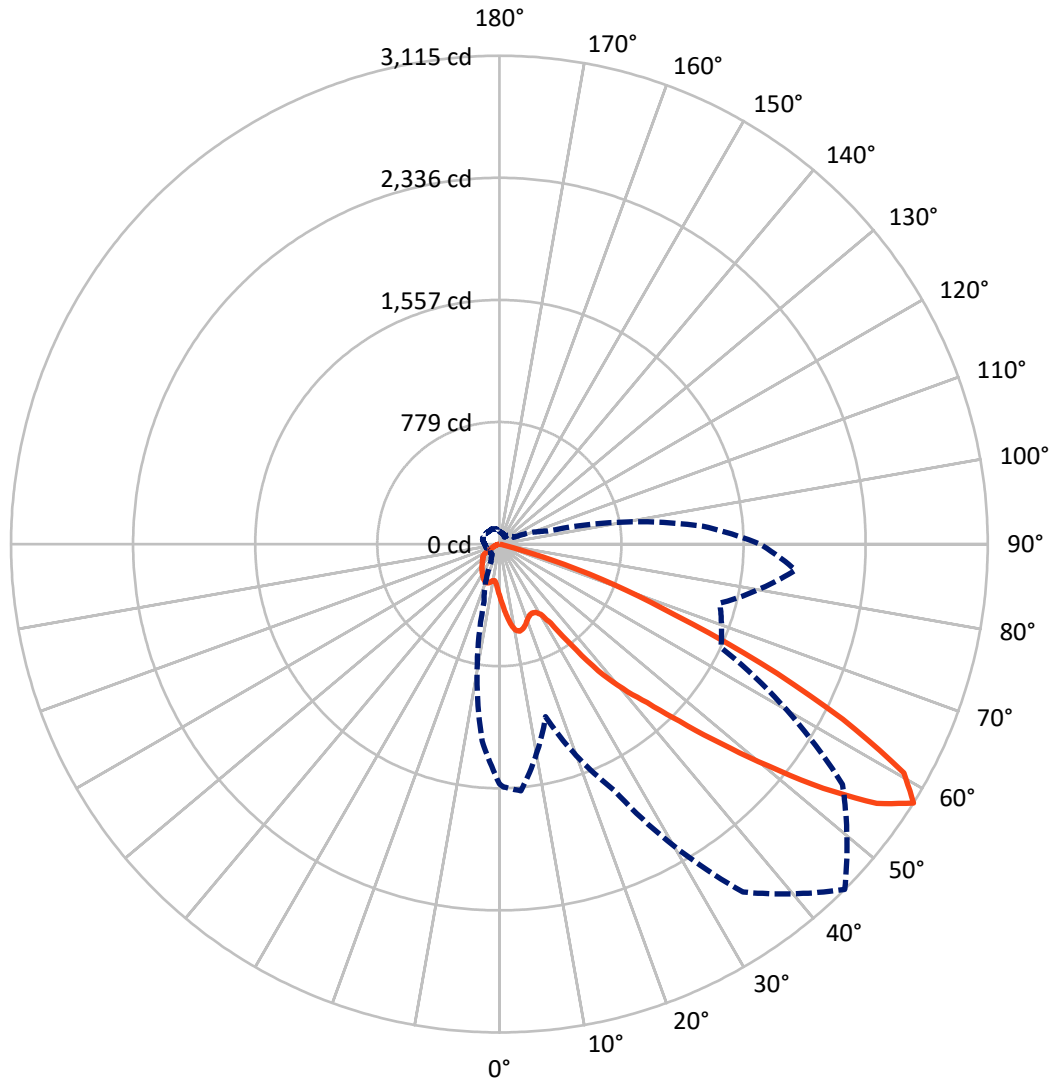
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	422.3	0.0	422.3
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	1463.6	0.0	1463.6
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	1885.9	0.0	1885.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.6	1.7
10°-20°	105.5	5.6
20°-30°	171.4	9.1
30°-40°	264.8	14.0
40°-50°	424.6	22.5
50°-60°	580.3	30.8
60°-70°	281.0	14.9
70°-80°	25.7	1.4
80°-90°	0.1	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°	1885.9	100.0
0°-180°	1885.9	100.0

**Coefficient of Utilization**



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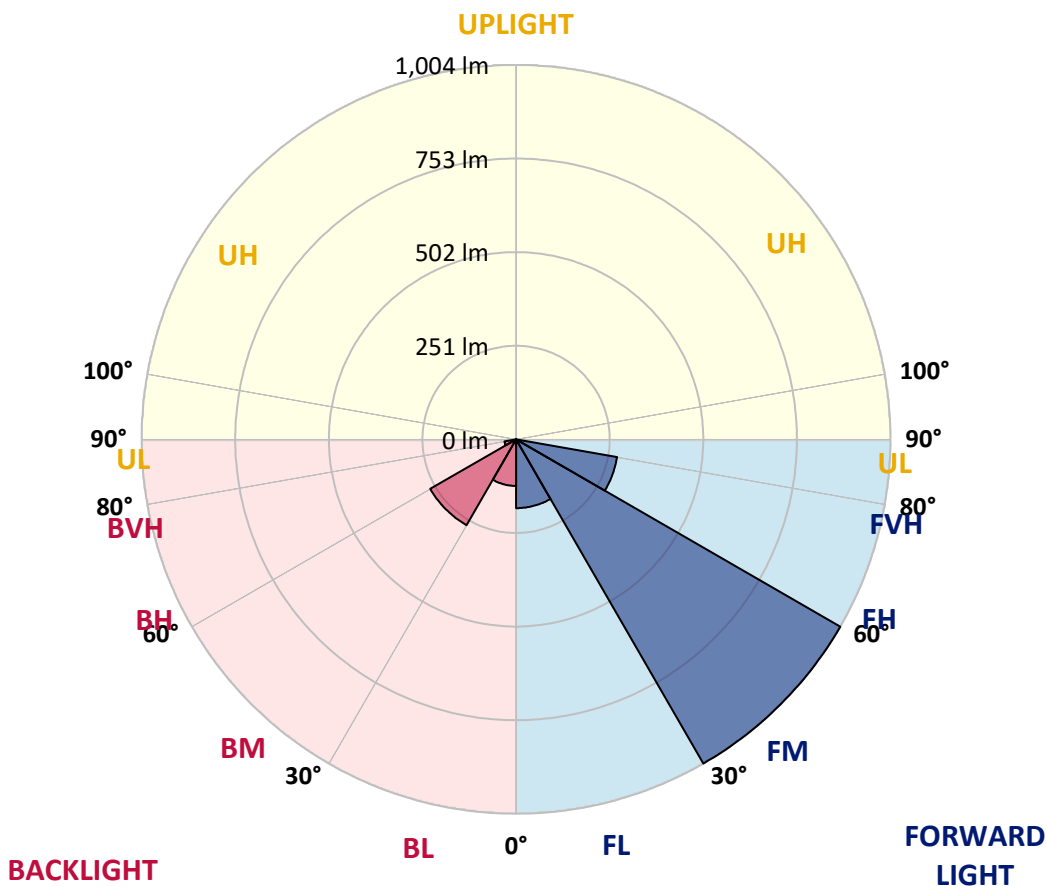
CATALOG NUMBER: GWS-SA1B-735-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.5	9.8			
FM (30°-60°)	1003.9	53.2			
FH (60°-80°)	275.1	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	125.0	6.6	B1/500		
BM (30°-60°)	265.7	14.1	B1/1000		
BH (60°-80°)	31.7	1.7	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°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	359.1	361.4	365.2	373.3	380.1	384.7	386.7	386.2	383.4	381.4	377.3
5°	397.6	397.6	405.0	423.5	437.6	446.5	451.1	448.3	442.7	433.8	420.2
7.5°	431.3	432.6	445.0	471.4	492.9	505.6	512.9	511.4	501.5	484.5	457.2
10°	457.7	459.2	475.7	507.8	533.2	546.1	557.0	558.0	547.1	524.6	493.1
12.5°	483.3	484.8	502.0	532.9	555.2	560.6	570.2	574.0	571.2	555.2	522.5
15°	510.9	514.4	529.1	552.2	561.6	555.2	561.6	568.4	577.8	576.3	546.9
17.5°	538.0	540.5	555.5	563.6	553.2	536.7	539.8	547.9	569.2	590.0	570.9
20°	563.1	566.6	579.1	568.4	537.0	511.4	511.6	522.3	554.7	598.3	595.5
22.5°	589.4	594.8	603.6	573.7	522.0	491.4	492.6	502.3	543.3	606.2	623.4
25°	623.9	629.0	634.8	586.9	517.2	481.5	486.3	495.2	543.3	619.6	657.9
27.5°	670.5	674.1	674.3	611.5	525.6	483.0	493.1	503.3	559.5	646.5	704.0
30°	729.1	734.7	727.3	649.8	551.7	503.3	518.2	530.9	594.5	691.8	771.9
32.5°	800.3	808.1	798.3	706.5	606.2	573.2	600.3	607.7	650.3	757.5	848.9
35°	883.9	890.5	879.9	785.1	733.4	739.5	788.6	779.3	762.3	838.3	938.9
37.5°	975.6	981.7	961.2	904.2	921.4	947.8	1026.3	994.1	939.4	942.5	1036.5
40°	1059.8	1066.4	1034.2	1033.7	1069.2	1117.3	1212.1	1167.7	1093.2	1078.8	1128.0
42.5°	1147.0	1151.5	1122.4	1102.6	1183.2	1282.3	1382.6	1322.8	1195.1	1179.4	1242.5
45°	1271.4	1281.0	1229.1	1136.6	1285.8	1472.1	1612.0	1495.2	1264.5	1251.9	1417.9
47.5°	1454.4	1461.4	1355.5	1157.9	1381.4	1708.5	1898.6	1718.7	1325.6	1296.7	1657.6
50°	1605.6	1610.5	1471.8	1181.2	1483.0	1963.5	2225.2	1983.7	1394.3	1371.0	1881.4
52.5°	1717.1	1735.4	1624.6	1229.1	1616.5	2263.3	2586.9	2297.7	1501.5	1514.4	2066.9
55°	1740.2	1765.0	1729.1	1258.5	1734.1	2568.6	2920.9	2578.8	1608.4	1623.1	2129.2
57.5°	1529.4	1549.1	1579.0	1139.9	1731.3	2708.5	3114.7	2672.0	1559.8	1455.6	1895.8
60°	1145.7	1159.4	1213.6	871.2	1592.2	2584.8	2963.7	2513.4	1363.9	1110.7	1444.5
62.5°	679.4	685.5	754.2	564.4	1321.6	2226.0	2457.9	2168.7	1077.8	747.1	884.7
65°	260.8	258.2	310.7	278.5	971.8	1773.1	1828.1	1653.3	739.5	342.4	337.3
67.5°	40.3	38.5	52.0	82.4	700.9	1228.8	1206.3	1191.6	463.2	79.8	69.7
70°	9.1	9.1	11.2	24.3	428.3	722.0	772.7	736.7	296.5	17.0	9.1
72.5°	4.3	4.3	5.3	10.4	155.1	297.5	346.7	341.4	96.3	5.6	3.3
75°	1.5	1.8	1.8	2.3	9.4	15.5	35.5	25.3	6.1	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	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°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	368.5	366.7	360.1	351.2	342.6	335.0	327.2	317.8	310.9	303.1	300.6
5°	409.5	398.4	380.4	361.6	344.4	329.7	315.5	300.3	289.1	278.0	274.2
7.5°	444.2	427.8	398.6	370.5	346.9	326.1	305.6	284.8	268.6	255.4	251.4
10°	475.4	456.4	417.4	382.7	353.0	328.9	304.1	278.0	257.0	241.3	237.5
12.5°	502.3	480.2	433.3	391.8	355.5	327.9	303.8	283.1	264.1	246.1	241.3
15°	524.8	500.5	446.8	397.9	351.7	315.2	294.2	290.9	289.4	269.6	260.3
17.5°	546.9	519.5	457.7	400.6	341.1	292.9	277.7	292.7	308.7	295.7	283.8
20°	569.9	538.8	468.8	401.2	323.4	267.9	265.3	288.9	309.2	305.1	294.0
22.5°	597.0	562.8	482.8	400.9	301.1	246.6	256.2	281.5	298.0	297.8	288.9
25°	636.3	593.2	501.5	402.4	276.7	230.1	246.1	269.1	282.6	282.1	274.7
27.5°	678.4	629.5	525.8	406.2	255.9	220.5	234.2	252.1	263.8	263.3	257.0
30°	737.4	671.3	549.2	406.5	241.0	215.4	221.0	233.4	244.5	243.3	238.5
32.5°	809.2	718.4	568.7	392.0	231.6	210.6	207.3	213.6	222.2	220.5	219.2
35°	895.8	774.4	585.4	360.4	217.2	201.0	192.1	193.4	199.4	200.5	199.9
37.5°	994.7	841.1	606.2	318.5	197.7	187.0	175.1	174.1	177.6	180.9	183.5
40°	1092.2	916.1	634.3	276.2	179.9	169.3	157.9	155.3	156.9	162.7	168.0
42.5°	1201.9	1003.0	664.7	240.0	167.8	149.8	138.9	134.1	138.4	147.7	154.1
45°	1360.1	1124.9	694.4	211.1	162.7	132.5	117.8	117.3	122.1	134.3	141.4
47.5°	1582.1	1282.5	713.9	188.5	162.4	119.1	101.6	104.7	110.2	122.1	130.3
50°	1798.5	1479.9	692.3	171.3	157.1	110.2	89.5	95.5	101.1	111.5	119.9
52.5°	1929.0	1586.1	608.5	155.1	140.6	106.2	77.5	88.2	89.2	98.6	107.4
55°	1915.3	1517.5	466.0	130.0	116.3	100.4	65.1	79.6	80.1	87.2	94.8
57.5°	1662.4	1302.8	320.1	105.4	87.4	82.9	53.7	67.2	72.0	76.3	81.9
60°	1238.9	950.6	142.7	85.7	55.5	56.0	45.9	50.7	58.0	63.1	67.9
62.5°	730.1	546.9	58.0	51.4	30.7	35.2	37.0	37.0	41.6	45.4	48.4
65°	276.0	191.3	23.6	25.8	16.0	16.5	21.8	26.9	30.4	33.7	37.8
67.5°	48.4	33.5	12.2	9.6	9.4	8.4	11.2	17.5	19.5	22.0	23.8
70°	8.1	6.8	5.1	4.8	4.3	4.6	7.3	12.4	13.7	14.4	15.2
72.5°	2.3	2.0	1.5	1.3	1.0	1.3	4.6	9.6	10.1	10.6	11.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.8	7.3	7.6	8.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0	2.5	2.0
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°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	299.0	294.0	291.2	289.7	289.7	287.6	285.3	284.6	287.9	287.9	293.5
5°	269.4	265.3	260.8	258.0	253.7	254.4	251.9	251.6	254.9	256.5	262.3
7.5°	248.9	243.8	241.0	239.2	236.9	235.9	233.6	232.9	234.7	237.2	242.8
10°	235.2	234.4	234.2	235.4	235.4	234.2	232.1	230.9	231.4	236.2	242.5
12.5°	238.7	240.2	240.7	242.8	243.8	242.8	241.3	241.8	245.1	253.9	263.3
15°	254.2	252.9	252.4	253.4	254.2	253.2	252.7	256.5	267.9	280.5	291.2
17.5°	270.6	262.5	259.0	259.0	259.5	259.0	259.5	266.8	285.3	298.0	305.9
20°	279.0	264.1	258.5	257.2	258.2	258.5	260.3	268.6	288.9	297.8	299.5
22.5°	276.5	257.7	251.4	250.4	251.4	252.4	254.2	261.3	280.3	284.8	284.1
25°	263.8	245.3	240.2	240.2	242.5	242.3	243.0	248.1	263.8	266.6	265.3
27.5°	247.8	230.4	226.0	228.6	230.6	230.1	230.4	234.7	246.3	247.1	245.8
30°	231.6	216.4	212.4	215.4	218.2	217.7	217.9	222.2	229.6	228.8	227.1
32.5°	215.1	204.0	201.0	202.7	207.0	206.5	207.5	212.1	214.9	211.6	209.6
35°	199.9	194.1	191.8	192.8	196.1	196.9	198.7	201.7	201.7	197.7	194.1
37.5°	185.8	185.0	183.5	182.2	185.2	187.5	190.1	193.6	188.5	182.7	179.4
40°	172.6	175.9	173.8	170.5	172.3	175.6	180.7	183.5	177.4	171.6	166.0
42.5°	160.4	166.0	165.2	161.2	162.7	165.7	171.6	173.8	166.7	160.2	154.8
45°	148.8	156.6	157.1	152.0	153.6	156.6	163.5	164.2	155.1	148.0	144.2
47.5°	138.6	147.2	147.5	143.7	144.2	148.5	154.8	155.1	144.7	138.1	133.3
50°	129.0	138.9	139.6	136.3	136.8	141.9	147.2	146.2	135.1	128.2	123.9
52.5°	117.3	130.8	132.5	131.0	133.0	137.1	140.4	136.8	123.9	117.1	113.3
55°	104.7	122.1	125.9	124.9	127.2	130.5	131.3	129.0	112.8	105.9	102.4
57.5°	90.0	100.6	107.2	105.2	106.9	110.2	112.5	110.7	98.6	93.3	90.2
60°	74.5	81.6	83.1	79.8	78.3	84.1	89.5	87.2	76.8	73.5	69.9
62.5°	54.5	62.6	63.6	59.3	57.5	63.9	68.4	66.1	54.7	51.2	48.4
65°	43.6	51.2	53.2	49.2	48.1	53.0	55.8	50.2	42.1	38.3	35.2
67.5°	28.6	34.7	40.0	39.8	37.8	39.3	37.3	32.7	26.9	24.8	22.8
70°	17.7	21.3	24.6	25.8	25.6	25.1	22.3	19.0	17.2	16.5	15.5
72.5°	13.7	17.2	19.8	20.5	20.8	20.0	17.7	14.7	12.9	11.9	11.2
75°	10.1	12.9	15.0	16.0	16.5	16.0	13.7	11.7	9.9	9.1	8.4
77.5°	3.5	4.3	5.3	5.8	5.6	5.3	4.8	4.8	3.8	3.5	3.0
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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 CATALOG NUMBER: GWS-SA1B-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	299.8	304.4	312.7	320.3	328.4	336.8	345.9	355.3	359.6	359.1
5°	271.2	281.0	294.7	309.7	326.4	344.4	364.4	384.9	393.8	397.6
7.5°	253.2	267.1	285.1	304.1	326.1	351.7	381.9	414.1	427.0	431.3
10°	255.4	271.7	286.6	305.1	328.7	361.9	399.4	437.6	452.9	457.7
12.5°	273.9	277.5	281.5	296.7	326.4	369.5	415.3	461.0	478.4	483.3
15°	290.7	274.2	266.6	280.5	318.3	374.8	431.6	486.1	505.3	510.9
17.5°	291.4	266.6	249.6	260.5	305.1	377.1	447.5	511.6	532.7	538.0
20°	282.1	258.2	236.4	236.7	287.1	376.6	460.7	534.7	558.3	563.1
22.5°	268.4	248.3	225.8	217.9	267.9	375.6	475.2	559.3	584.9	589.4
25°	253.2	235.7	215.7	203.7	248.6	376.6	495.4	591.5	619.6	623.9
27.5°	236.7	221.7	207.8	198.2	232.4	380.4	519.8	632.5	666.0	670.5
30°	219.5	208.3	202.7	196.9	222.2	381.4	546.1	680.4	722.7	729.1
32.5°	202.5	196.4	196.7	197.7	212.6	374.3	570.2	733.6	790.1	800.3
35°	186.8	185.0	190.1	195.1	198.7	356.0	591.2	796.5	873.5	883.9
37.5°	173.3	174.9	181.2	186.3	183.5	330.2	619.1	875.0	966.8	975.6
40°	160.4	164.2	171.6	173.8	171.8	300.0	652.5	950.8	1047.6	1059.8
42.5°	148.5	151.3	161.7	162.2	168.5	269.4	684.7	1032.4	1140.6	1147.0
45°	138.9	138.4	149.0	152.3	172.8	235.4	716.2	1141.1	1262.3	1271.4
47.5°	129.5	129.0	131.5	146.5	174.6	204.0	747.3	1300.3	1438.6	1454.4
50°	120.6	121.4	113.5	143.7	165.0	179.9	761.5	1447.5	1599.1	1605.6
52.5°	112.8	110.0	96.3	134.6	144.4	157.1	721.2	1514.4	1698.4	1717.1
55°	101.6	86.2	79.3	109.2	114.0	137.1	590.7	1475.6	1707.0	1740.2
57.5°	86.9	67.7	67.4	80.6	80.6	127.2	378.3	1260.7	1471.1	1529.4
60°	66.9	52.5	55.8	56.0	51.7	92.7	212.4	913.3	1087.7	1145.7
62.5°	47.6	40.0	42.1	33.5	29.6	46.4	101.9	525.8	671.3	679.4
65°	31.9	27.1	22.0	18.5	18.2	19.8	42.1	190.1	231.1	260.8
67.5°	21.0	16.5	11.7	11.7	13.2	13.2	16.0	31.4	44.1	40.3
70°	13.7	11.4	7.3	7.1	8.6	8.6	8.1	8.6	9.1	9.1
72.5°	10.1	8.6	4.3	3.8	4.8	5.1	4.6	4.3	4.3	4.3
75°	7.6	6.1	2.5	1.8	2.3	3.0	2.5	1.8	1.8	1.5
77.5°	3.0	2.3	1.0	0.8	1.3	1.8	1.5	0.8	0.5	0.5
80°	0.3	0.5	0.5	0.5	0.8	1.0	1.3	0.5	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.5	0.8	1.0	0.5	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.5	0.8	0.5	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	0.5	0.3	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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