

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: P629354

Luminaire Tested: GWS-SA1B-740-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629354  
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-SA1B-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**

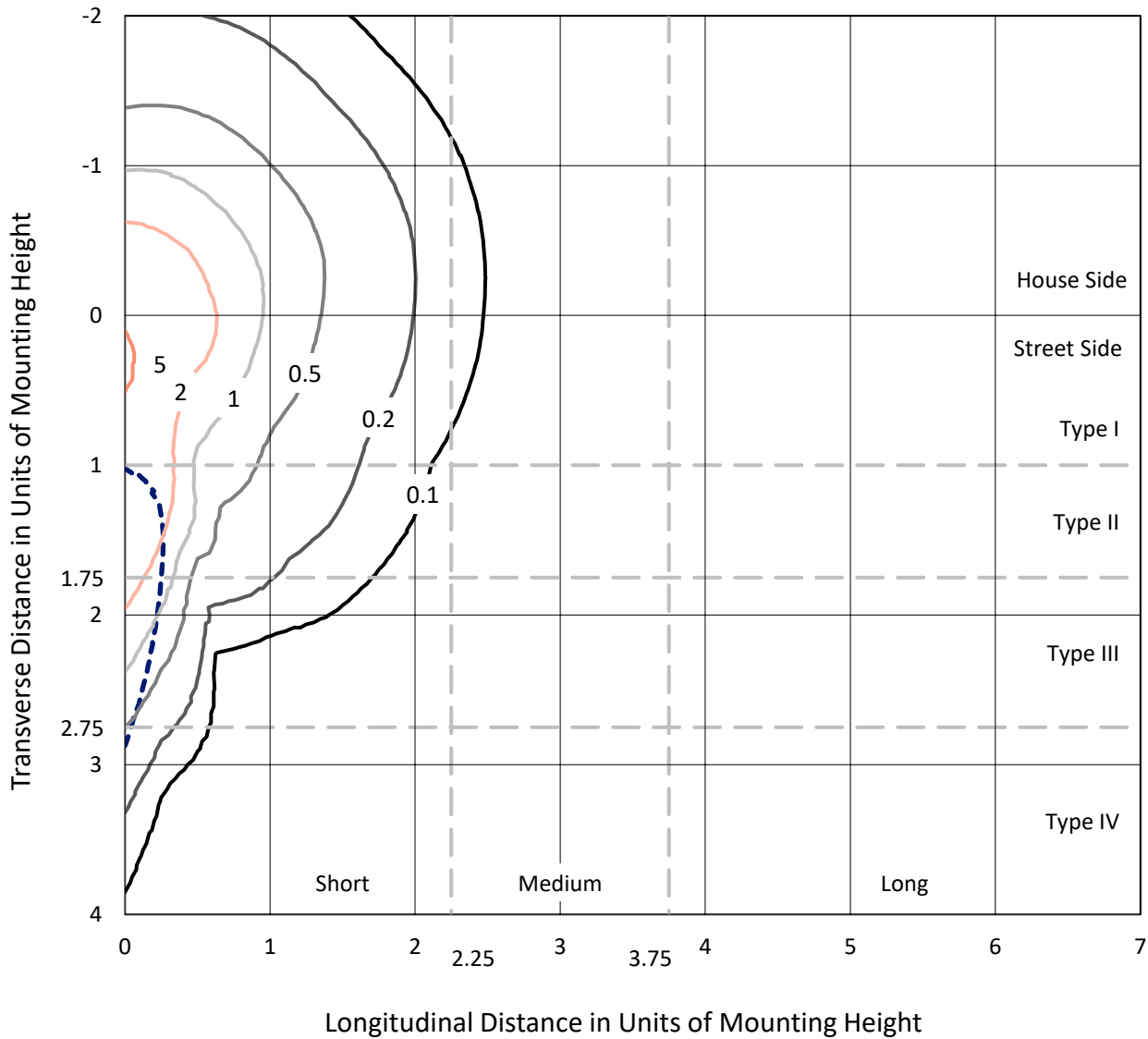
Lumens per Lamp: N/A  
Luminaire Lumens: 3359.1 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

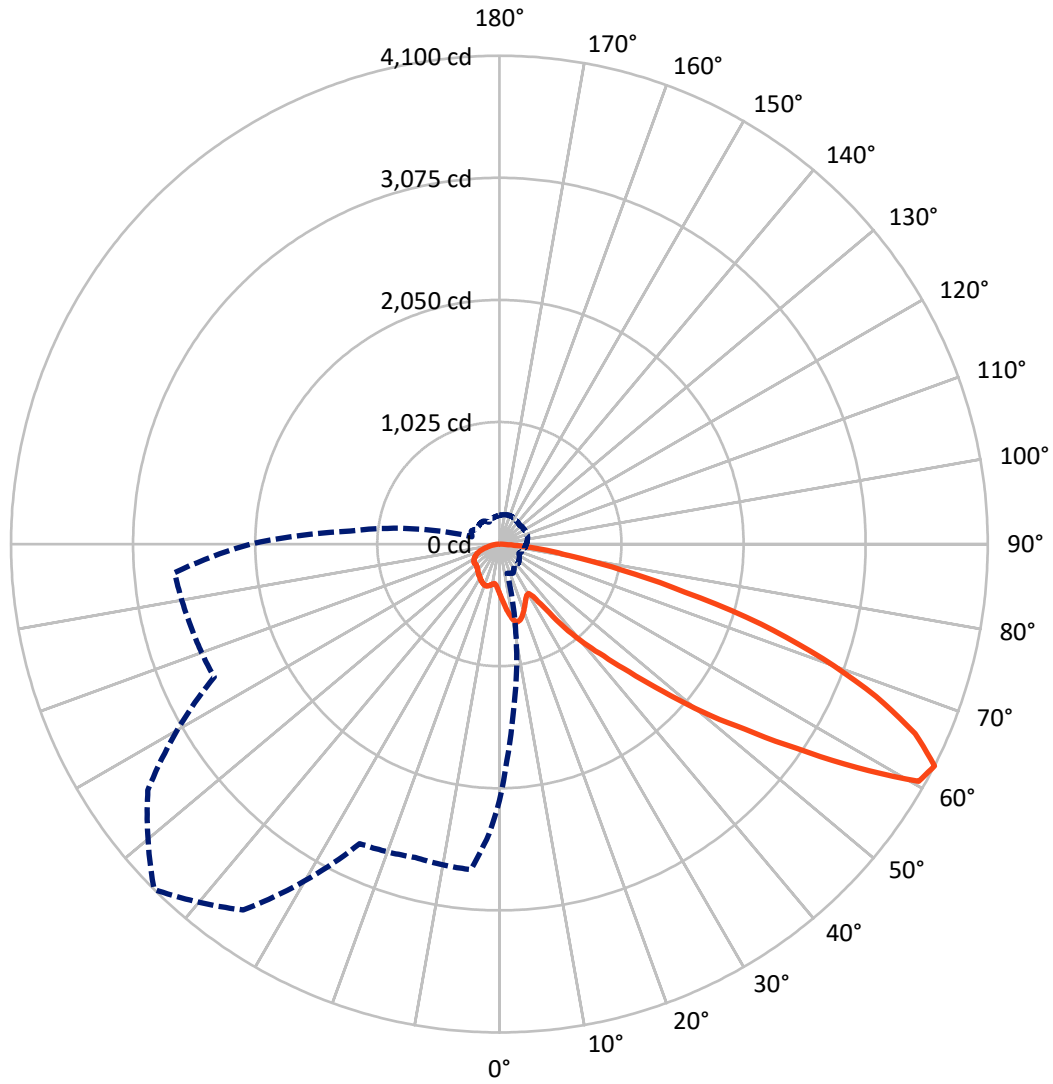
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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
<b>House Side</b>	Lumens	803.2	0.0	803.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	2555.9	0.0	2555.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	3359.1	0.0	3359.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.3	1.2
10°-20°	134.1	4.0
20°-30°	211.1	6.3
30°-40°	289.3	8.6
40°-50°	451.5	13.4
50°-60°	778.4	23.2
60°-70°	902.1	26.9
70°-80°	476.2	14.2
80°-90°	75.2	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°	3359.1	100.0
0°-180°	3359.1	100.0

**Coefficient of Utilization**



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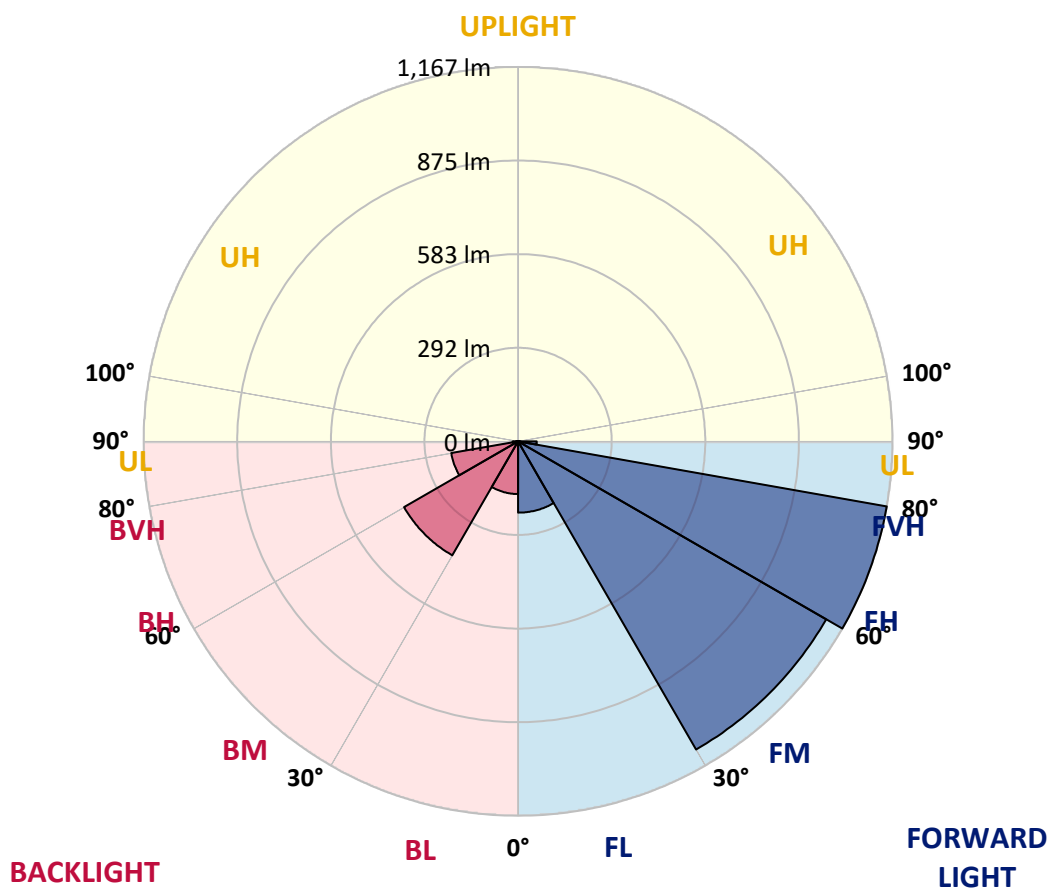
CATALOG NUMBER: GWS-SA1B-740-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.2	6.6			
FM (30°-60°)	1109.0	33.0			
FH (60°-80°)	1166.8	34.7			G1/1800
FVH (80°-90°)	58.1	1.7			G1/100
BL (0°-30°)	164.3	4.9	B1/500		
BM (30°-60°)	410.3	12.2	B1/1000		
BH (60°-80°)	211.5	6.3	B1/500		G1/500
BVH (80°-90°)	17.2	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	455.0	453.2	450.7	441.9	436.5	430.4	423.9	416.5	408.0	402.1	396.2
5°	493.6	490.8	484.6	463.8	449.4	433.7	420.6	405.7	391.1	381.0	371.0
7.5°	530.6	527.0	517.5	485.6	462.2	439.6	419.8	398.3	376.4	361.5	349.7
10°	567.6	560.1	548.1	506.4	475.6	449.4	426.8	400.3	371.3	351.0	338.4
12.5°	595.8	588.9	575.8	525.4	489.0	456.1	430.6	406.2	381.6	360.0	347.1
15°	622.3	613.3	598.4	543.2	500.0	455.8	422.9	401.6	398.0	392.6	375.9
17.5°	641.3	633.1	617.7	557.6	506.2	447.8	401.6	389.0	405.2	421.6	405.7
20°	658.0	648.5	632.8	567.6	507.5	430.1	375.6	375.9	401.3	423.9	420.1
22.5°	672.2	661.6	647.7	578.9	506.9	405.4	353.0	368.5	393.9	411.6	412.1
25°	689.6	680.9	669.3	595.6	506.9	380.3	336.6	359.5	381.3	396.2	395.7
27.5°	710.9	705.0	695.5	621.0	511.6	359.2	327.3	347.9	365.1	378.0	377.7
30°	734.8	729.4	722.3	648.0	519.5	343.5	322.2	333.5	346.1	356.4	356.4
32.5°	759.3	757.2	749.5	669.6	513.4	338.6	317.8	319.1	325.8	334.3	333.5
35°	793.2	791.1	781.4	686.3	486.6	331.7	310.9	304.5	305.2	310.6	312.4
37.5°	842.8	839.7	825.3	705.8	446.3	314.2	299.6	289.1	286.7	289.1	292.4
40°	902.6	898.0	878.5	732.3	399.8	290.6	281.9	273.1	269.3	270.0	273.9
42.5°	977.7	967.9	939.9	760.3	353.8	269.8	262.1	256.7	252.3	251.8	259.3
45°	1099.4	1072.7	1028.3	785.2	315.0	258.7	244.3	240.5	236.9	239.0	247.7
47.5°	1312.2	1262.9	1176.3	806.5	291.4	259.0	230.2	226.1	225.8	230.0	239.7
50°	1604.6	1533.4	1399.8	820.9	279.0	262.1	221.7	215.1	219.9	224.1	233.3
52.5°	1884.6	1776.0	1616.9	820.7	273.6	262.6	224.1	204.8	219.9	221.0	229.7
55°	2123.9	1927.0	1675.5	736.4	265.9	260.5	233.0	196.8	217.1	221.0	227.9
57.5°	2314.0	2023.1	1671.1	594.8	289.3	249.2	238.4	195.0	208.9	221.5	229.4
60°	2292.9	1979.2	1563.5	365.1	287.0	229.2	237.7	198.4	195.0	214.5	227.6
62.5°	2152.9	1821.7	1378.2	253.3	269.5	217.6	225.1	204.3	182.2	204.5	218.9
65°	1956.8	1618.5	1148.5	194.2	223.3	218.1	203.8	200.2	170.9	188.6	204.0
67.5°	1697.6	1366.4	906.7	153.9	155.7	188.9	185.0	177.8	160.3	174.5	188.3
70°	1276.2	997.2	623.8	123.8	117.9	157.8	166.2	159.8	150.1	154.2	168.8
72.5°	899.3	651.1	341.7	98.2	91.0	121.3	144.4	143.4	132.6	135.7	150.1
75°	668.3	460.7	213.5	77.6	74.0	86.8	121.0	124.1	115.1	118.7	129.8
77.5°	444.8	298.3	118.7	57.6	57.6	63.5	90.2	104.6	97.9	100.7	108.4
80°	245.4	151.9	59.4	37.8	38.8	43.7	65.8	75.3	75.5	82.5	84.5
82.5°	77.6	48.3	26.5	22.1	20.8	24.9	42.4	54.0	50.4	64.2	59.1
85°	17.7	11.3	4.9	4.9	5.4	8.2	16.2	28.8	36.7	44.2	32.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	11.3	16.7	14.9
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°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	392.6	387.5	385.9	381.6	381.0	376.9	375.4	375.4	377.2	377.2	379.0
5°	366.9	360.5	356.9	351.7	350.5	347.4	345.3	345.6	347.9	349.4	352.5
7.5°	344.3	339.9	337.4	335.0	334.5	334.0	331.7	331.5	332.2	334.5	336.8
10°	334.8	331.7	332.5	334.3	337.1	338.6	336.6	335.6	334.8	336.3	338.4
12.5°	344.0	341.0	342.5	345.6	349.4	351.0	350.2	350.0	350.7	356.6	361.0
15°	364.3	358.4	356.4	357.7	360.7	362.3	361.5	362.5	367.4	382.8	393.9
17.5°	389.5	375.1	366.9	364.6	365.9	367.2	367.2	369.7	378.2	400.8	414.7
20°	403.1	384.4	370.5	364.9	365.4	366.7	366.7	370.2	379.8	403.9	412.9
22.5°	399.5	382.3	365.4	359.2	359.5	360.5	360.5	363.6	372.0	393.4	397.5
25°	385.4	370.2	353.5	348.2	348.7	350.5	350.0	351.7	358.2	375.6	378.0
27.5°	368.5	355.1	338.6	334.5	336.8	340.4	337.4	337.6	343.5	358.2	358.4
30°	350.2	339.2	324.5	321.4	325.8	327.6	324.8	324.8	330.7	340.7	340.4
32.5°	330.4	323.5	313.0	309.6	314.5	317.3	313.7	314.2	318.9	325.5	323.0
35°	311.9	308.3	303.4	301.1	304.2	306.8	304.5	305.5	309.9	311.7	308.1
37.5°	294.2	293.7	294.2	294.2	295.0	295.7	294.2	296.8	300.6	298.3	294.2
40°	278.8	280.8	285.7	284.4	283.7	284.4	283.4	287.8	291.6	287.5	282.6
42.5°	265.9	269.8	277.2	277.2	275.7	276.2	275.7	281.1	283.9	278.3	272.9
45°	254.9	260.5	270.0	271.3	268.8	268.8	269.8	276.5	277.5	269.8	264.1
47.5°	247.2	254.1	264.9	267.2	263.4	263.1	265.9	273.1	273.1	264.1	257.7
50°	241.8	249.5	262.3	265.4	261.6	260.5	265.2	272.1	270.6	259.8	253.3
52.5°	238.2	246.1	262.1	266.4	263.9	262.8	267.5	272.4	268.5	256.9	250.3
55°	235.9	244.6	262.8	266.4	263.6	261.8	266.4	270.8	268.8	255.4	249.0
57.5°	237.2	245.9	261.8	263.6	260.3	257.2	262.6	268.8	268.0	255.9	249.5
60°	235.1	243.1	256.2	256.7	251.0	246.1	254.1	263.4	263.4	254.1	248.5
62.5°	225.6	233.6	245.1	245.6	239.2	233.8	243.1	254.1	253.9	246.4	240.5
65°	209.9	217.4	230.5	231.8	225.3	219.7	229.2	239.5	240.2	233.6	228.4
67.5°	192.7	199.4	209.1	214.3	208.9	203.0	211.7	221.5	221.2	213.3	207.9
70°	172.1	178.3	187.3	191.7	188.3	182.7	190.6	195.8	193.5	189.6	186.0
72.5°	151.9	157.8	166.2	166.2	162.6	157.2	159.6	168.8	171.6	168.8	166.5
75°	130.5	135.7	141.6	142.9	134.9	125.1	135.9	143.9	147.2	145.9	143.1
77.5°	108.7	112.5	121.3	119.0	104.1	98.9	107.7	119.5	121.8	121.0	117.2
80°	83.8	86.1	95.3	90.7	79.1	75.8	79.7	88.9	89.4	86.8	82.0
82.5°	56.3	59.4	65.5	56.5	56.3	53.2	50.1	51.1	55.8	55.2	51.9
85°	28.8	30.3	36.2	33.9	29.0	25.2	23.9	25.4	22.9	20.8	18.0
87.5°	12.1	13.1	18.0	10.0	3.1	0.0	0.0	1.5	2.3	3.3	3.6
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°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	383.1	385.9	392.9	401.6	410.1	418.8	428.3	434.2	441.4	450.7	450.9
5°	356.4	362.8	372.8	386.2	400.1	416.0	434.5	449.9	468.4	483.0	489.0
7.5°	339.9	349.2	361.8	378.7	397.0	416.8	440.9	466.9	497.2	516.7	528.3
10°	341.5	355.6	368.2	382.6	399.0	420.4	451.4	485.9	523.1	548.8	563.2
12.5°	369.0	383.9	381.6	380.8	391.8	417.8	459.9	505.1	550.6	576.3	593.5
15°	403.7	409.3	387.5	371.0	377.7	408.5	464.5	522.4	573.5	604.8	621.8
17.5°	421.4	410.1	383.6	358.9	357.1	394.4	466.9	539.8	599.2	630.5	648.5
20°	413.2	396.7	374.4	351.0	338.1	375.1	465.6	553.7	622.6	657.5	672.2
22.5°	395.4	381.0	363.6	341.2	322.7	354.1	462.2	567.6	643.4	678.6	691.4
25°	376.2	365.4	351.0	331.5	314.0	335.6	459.9	586.1	667.3	700.9	709.2
27.5°	356.9	348.9	337.1	321.9	311.9	322.7	460.7	610.2	698.1	730.0	726.6
30°	337.9	330.9	322.7	316.0	311.7	319.6	458.6	635.9	732.0	761.6	741.8
32.5°	319.9	313.5	308.3	309.4	311.9	320.9	448.1	659.3	763.1	788.3	758.2
35°	304.5	297.8	297.8	301.4	310.9	316.5	420.9	677.5	797.5	822.7	781.6
37.5°	290.1	284.2	288.0	293.9	302.9	304.7	385.9	695.3	847.6	871.3	817.8
40°	277.5	271.6	278.5	286.0	290.6	289.8	350.5	719.9	906.7	931.1	865.9
42.5°	267.5	262.1	268.2	277.8	278.5	279.3	324.5	743.6	975.3	1006.4	948.6
45°	259.3	255.4	258.5	268.0	268.0	279.8	308.3	763.4	1078.6	1133.6	1100.5
47.5°	252.8	250.5	252.1	255.1	260.3	289.1	298.0	778.5	1266.7	1374.6	1341.2
50°	249.2	246.9	249.0	242.6	258.0	293.7	294.7	790.1	1514.7	1683.7	1642.4
52.5°	246.1	245.4	246.7	231.8	263.1	290.6	292.1	774.7	1680.9	1987.9	2028.8
55°	245.1	245.6	239.5	223.8	269.3	280.3	284.4	664.4	1726.1	2250.3	2503.9
57.5°	245.6	244.1	228.4	224.6	269.5	259.8	295.5	474.1	1660.3	2364.4	2968.7
60°	243.8	236.1	215.1	231.5	257.7	235.6	287.5	309.1	1486.9	2276.7	2995.6
62.5°	235.9	224.6	203.5	235.4	236.6	221.2	261.0	238.2	1255.7	2089.2	2735.6
65°	224.3	209.1	193.7	227.4	215.3	214.5	196.3	190.9	1009.8	1865.9	2489.0
67.5°	205.3	190.1	186.5	209.1	193.7	190.1	157.8	158.3	805.8	1628.0	2241.0
70°	183.7	168.6	171.4	189.1	172.4	158.0	127.7	131.8	611.3	1356.4	1906.7
72.5°	169.6	149.3	149.5	166.5	151.6	128.0	105.1	108.7	388.0	1022.4	1515.9
75°	143.1	131.6	125.9	134.9	128.7	99.7	88.4	87.6	230.0	732.8	1135.2
77.5°	119.5	110.5	107.7	111.3	96.1	73.7	71.2	69.9	130.3	469.4	743.8
80°	86.6	84.3	84.0	85.8	74.0	54.2	54.2	54.5	70.1	254.9	419.3
82.5°	55.0	60.1	53.2	59.1	50.4	38.5	36.0	40.9	40.3	108.7	176.8
85°	22.9	31.3	29.3	31.1	23.9	21.1	22.6	24.4	23.4	41.9	68.9
87.5°	4.4	5.1	5.7	5.4	5.4	6.7	7.5	9.0	9.0	12.1	20.8
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	460.7	468.1	466.6	469.9	465.6	467.1	458.4	456.1	454.5	455.0
5°	508.0	523.1	526.0	531.6	527.8	527.8	512.3	500.8	496.7	493.6
7.5°	556.0	577.9	592.2	593.8	591.7	587.6	565.3	544.5	537.0	530.6
10°	598.7	624.9	641.1	648.8	644.9	638.5	610.7	582.2	573.2	567.6
12.5°	631.3	654.4	665.2	670.4	669.8	667.5	644.9	614.1	604.6	595.8
15°	652.4	663.9	659.8	659.6	663.2	672.4	665.5	641.3	630.3	622.3
17.5°	666.0	654.9	636.7	628.2	635.9	657.8	673.7	660.1	650.1	641.3
20°	670.9	631.6	605.1	589.4	598.4	630.0	669.3	673.7	665.2	658.0
22.5°	665.2	603.0	567.1	548.6	557.3	595.1	656.5	684.7	679.1	672.2
25°	651.3	573.2	530.1	513.4	522.9	561.4	633.6	695.0	695.3	689.6
27.5°	634.1	545.7	504.1	488.4	497.7	533.7	611.3	704.0	713.0	710.9
30°	616.7	529.3	491.8	480.7	487.7	519.5	588.4	713.3	731.2	734.8
32.5°	608.7	537.3	520.8	525.7	516.7	527.8	580.2	726.4	753.3	759.3
35°	619.2	607.9	649.5	668.8	637.0	595.1	590.7	746.2	784.4	793.2
37.5°	670.4	759.3	821.4	889.3	834.0	741.8	642.9	779.8	828.9	842.8
40°	781.6	891.3	1003.6	1091.2	1007.7	883.6	742.0	829.9	890.0	902.6
42.5°	886.4	1015.2	1169.8	1283.2	1174.7	999.5	848.9	914.2	970.7	977.7
45°	989.2	1136.7	1371.0	1528.5	1381.3	1109.7	958.1	1056.5	1099.2	1099.4
47.5°	1109.7	1273.6	1623.3	1847.6	1655.5	1231.8	1060.6	1281.9	1341.2	1312.2
50°	1253.9	1409.8	1883.1	2218.9	1989.7	1381.8	1190.9	1556.5	1637.5	1604.6
52.5°	1446.8	1559.9	2169.3	2581.0	2354.1	1552.7	1379.8	1919.3	1946.1	1884.6
55°	1718.4	1776.5	2536.8	3028.0	2760.8	1763.1	1656.0	2374.6	2299.9	2123.9
57.5°	2336.9	2119.2	3008.5	3538.0	3221.0	2145.4	2261.3	2876.7	2610.8	2314.0
60°	2854.3	2535.5	3445.0	4044.2	3615.4	2566.8	2829.7	2964.0	2599.2	2292.9
62.5°	2679.9	2641.6	3602.5	4100.0	3750.0	2774.2	2724.1	2743.8	2429.6	2152.9
65°	2351.2	2436.8	3462.0	3835.6	3600.7	2588.4	2464.0	2540.4	2235.6	1956.8
67.5°	2157.3	2220.2	3212.0	3412.4	3329.4	2387.5	2261.8	2206.6	1934.5	1697.6
70°	1958.9	2011.1	2861.0	2881.3	2906.2	2053.5	1849.4	1685.0	1441.9	1276.2
72.5°	1692.7	1695.5	2417.3	2299.6	2346.9	1606.9	1488.7	1259.8	1049.6	899.3
75°	1420.1	1342.5	1913.4	1607.4	1702.2	1250.0	1236.1	949.4	791.6	668.3
77.5°	1082.7	992.0	1397.7	1057.0	1195.5	832.5	929.3	643.9	557.0	444.8
80°	726.9	670.4	772.4	596.6	782.1	573.7	606.1	364.9	316.3	245.4
82.5°	383.4	327.3	477.4	353.8	471.7	315.3	227.4	112.8	96.1	77.6
85°	148.5	171.9	234.1	125.9	182.9	112.5	65.8	28.0	23.4	17.7
87.5°	28.8	44.5	24.4	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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