

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: P629629

Luminaire Tested: GWS-SA1C-722-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629629  
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-SA1C-722-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

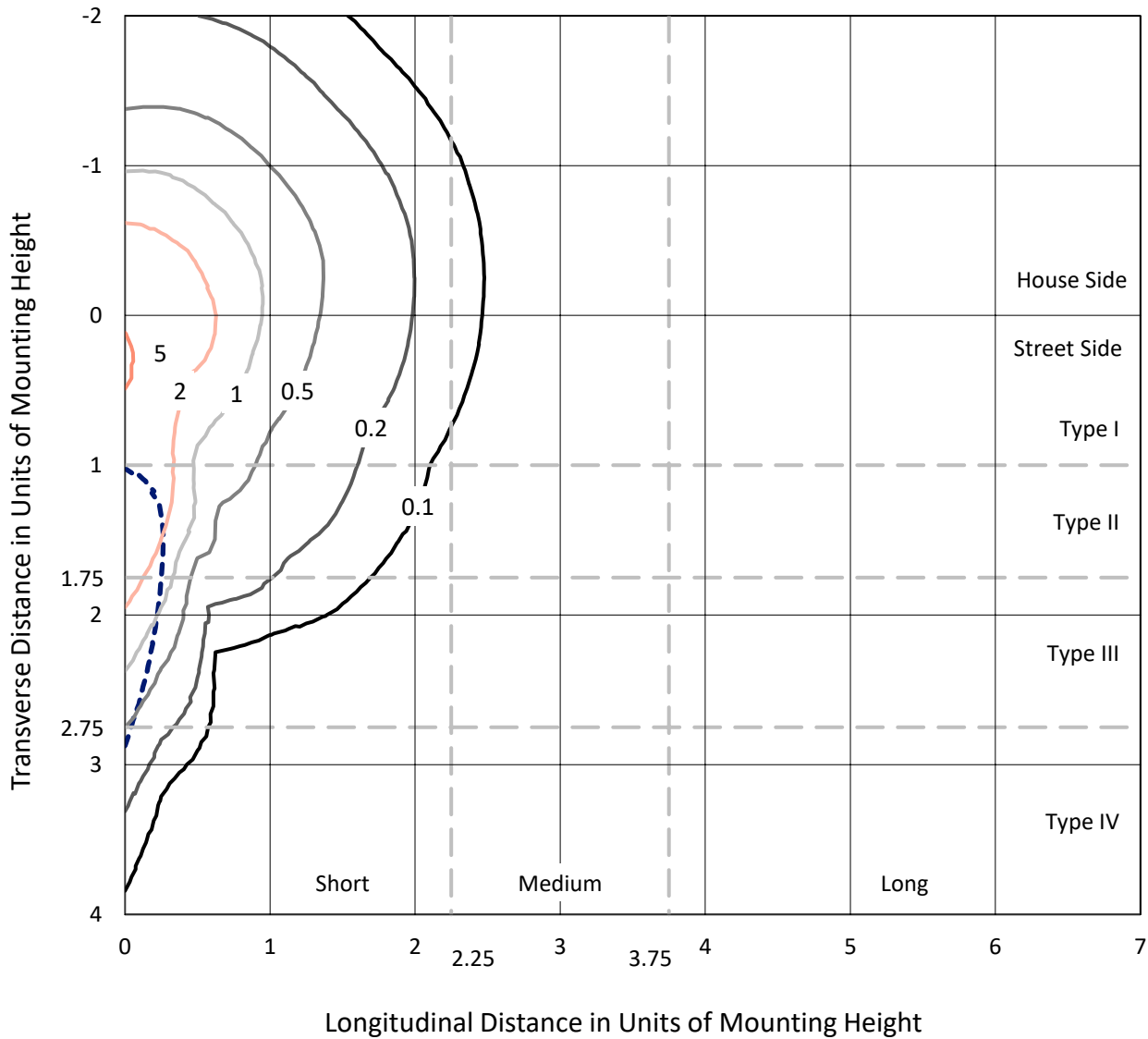
Lumens per Lamp: N/A  
Luminaire Lumens: 3318.3 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

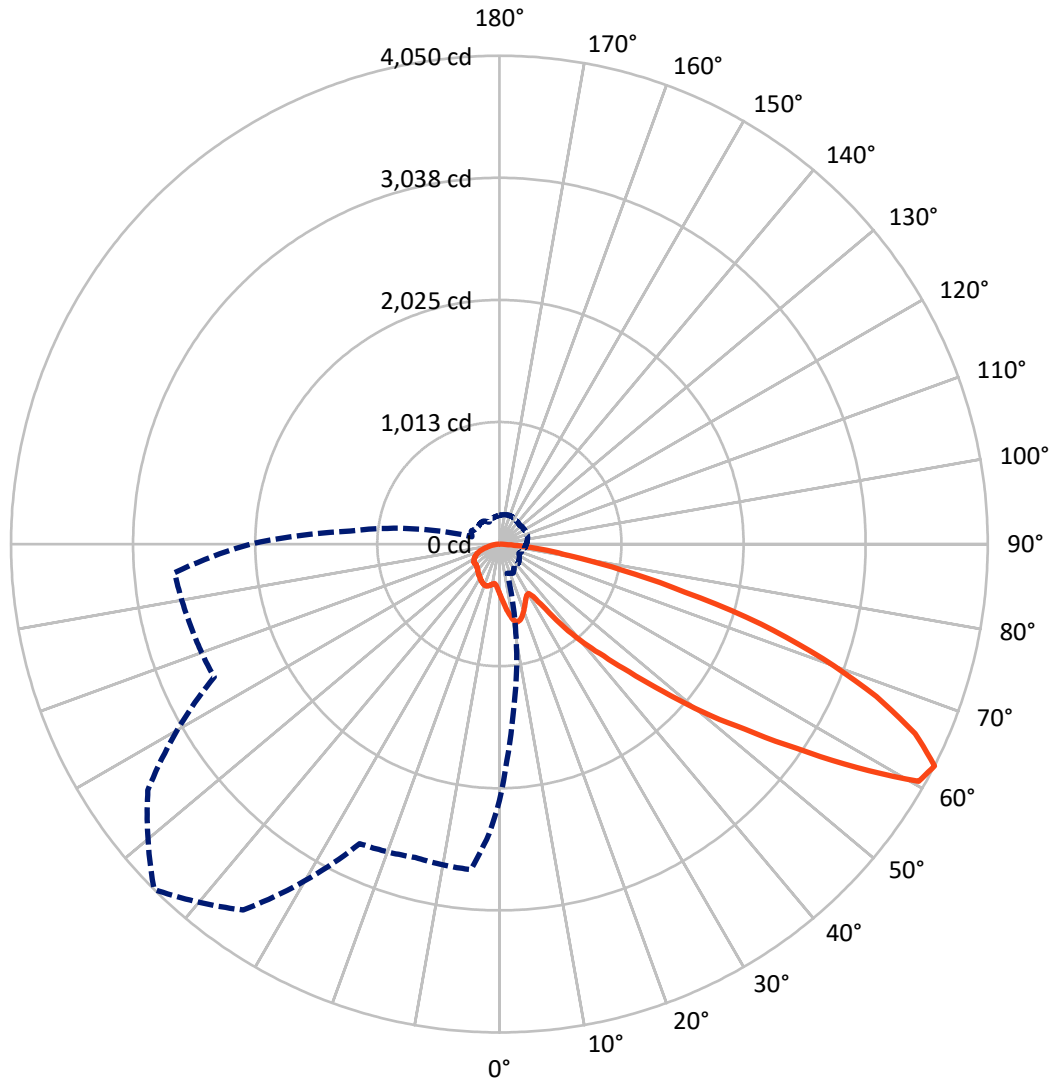
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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	793.4	0.0	793.4
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	2524.9	0.0	2524.9
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	3318.3	0.0	3318.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.8	1.2
10°-20°	132.5	4.0
20°-30°	208.5	6.3
30°-40°	285.8	8.6
40°-50°	446.0	13.4
50°-60°	769.0	23.2
60°-70°	891.1	26.9
70°-80°	470.4	14.2
80°-90°	74.3	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°	3318.3	100.0
0°-180°	3318.3	100.0

**Coefficient of Utilization**



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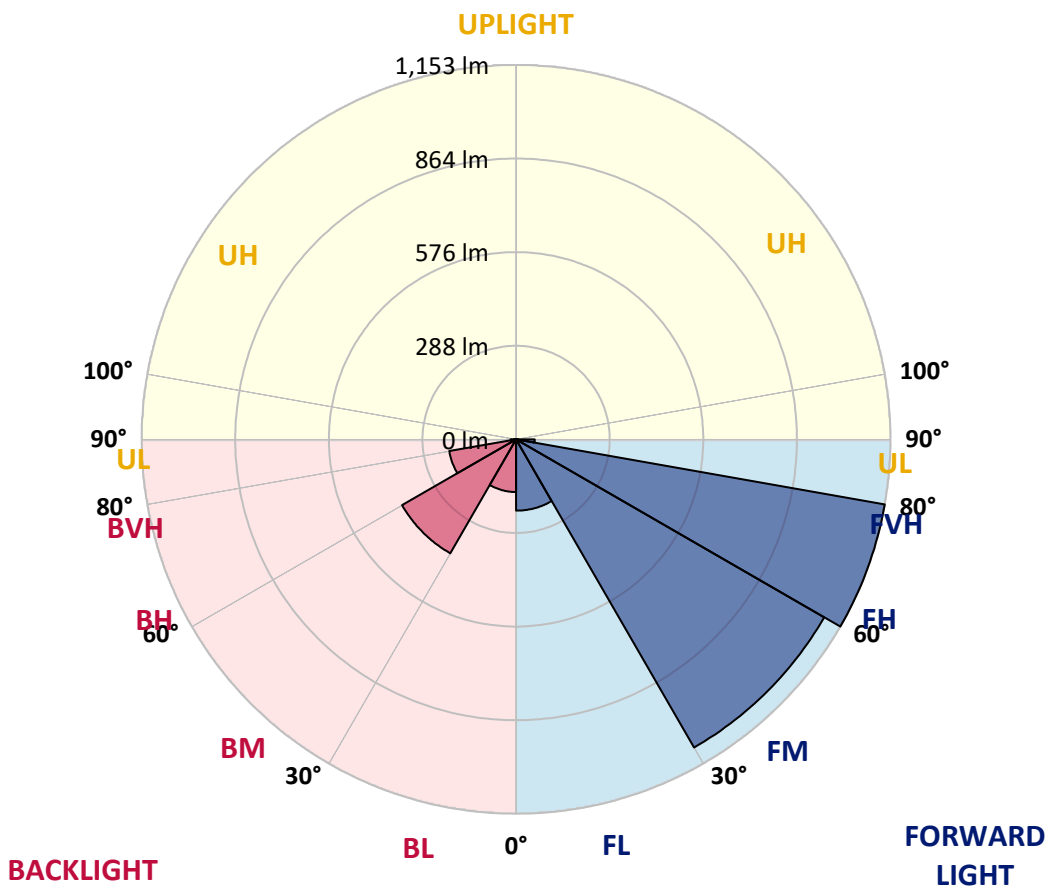
CATALOG NUMBER: GWS-SA1C-722-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.5	6.6			
FM (30°-60°)	1095.5	33.0			
FH (60°-80°)	1152.6	34.7			G1/1800
FVH (80°-90°)	57.4	1.7			G1/100
BL (0°-30°)	162.3	4.9	B1/500		
BM (30°-60°)	405.3	12.2	B1/1000		
BH (60°-80°)	208.9	6.3	B1/500		G1/500
BVH (80°-90°)	17.0	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°	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7
2.5°	449.5	447.7	445.2	436.6	431.2	425.1	418.8	411.4	403.1	397.2	391.4
5°	487.6	484.8	478.7	458.1	443.9	428.4	415.5	400.8	386.3	376.4	366.5
7.5°	524.1	520.6	511.2	479.7	456.6	434.3	414.7	393.4	371.8	357.1	345.4
10°	560.7	553.3	541.4	500.3	469.8	443.9	421.6	395.4	366.8	346.7	334.3
12.5°	588.6	581.8	568.8	519.1	483.0	450.5	425.4	401.3	376.9	355.6	342.9
15°	614.7	605.9	591.1	536.6	493.9	450.3	417.8	396.7	393.2	387.8	371.3
17.5°	633.5	625.4	610.2	550.8	500.0	442.4	396.7	384.3	400.3	416.5	400.8
20°	650.0	640.6	625.2	560.7	501.3	424.9	371.1	371.3	396.5	418.8	415.0
22.5°	664.0	653.6	639.9	571.9	500.8	400.5	348.7	364.0	389.1	406.6	407.1
25°	681.2	672.6	661.2	588.4	500.8	375.7	332.5	355.1	376.7	391.4	390.9
27.5°	702.3	696.5	687.1	613.5	505.4	354.8	323.4	343.7	360.7	373.4	373.1
30°	725.9	720.6	713.5	640.1	513.2	339.4	318.3	329.5	341.9	352.0	352.0
32.5°	750.0	748.0	740.4	661.4	507.1	334.5	314.0	315.2	321.8	330.2	329.5
35°	783.5	781.5	771.9	677.9	480.7	327.7	307.1	300.8	301.5	306.9	308.6
37.5°	832.5	829.5	815.3	697.2	440.9	310.4	296.0	285.5	283.3	285.5	288.8
40°	891.7	887.1	867.8	723.4	394.9	287.1	278.4	269.8	266.0	266.8	270.6
42.5°	965.8	956.1	928.5	751.0	349.5	266.5	258.9	253.6	249.2	248.7	256.1
45°	1086.1	1059.7	1015.8	775.7	311.2	255.6	241.4	237.6	234.0	236.1	244.7
47.5°	1296.2	1247.5	1162.0	796.7	287.8	255.8	227.4	223.4	223.1	227.2	236.8
50°	1585.1	1514.8	1382.8	810.9	275.6	258.9	219.0	212.4	217.3	221.3	230.5
52.5°	1861.8	1754.4	1597.3	810.7	270.3	259.4	221.3	202.3	217.3	218.3	226.9
55°	2098.1	1903.6	1655.1	727.4	262.7	257.4	230.2	194.4	214.5	218.3	225.1
57.5°	2285.9	1998.6	1650.8	587.6	285.8	246.2	235.5	192.6	206.4	218.8	226.7
60°	2265.1	1955.2	1544.5	360.7	283.5	226.4	234.8	195.9	192.6	211.9	224.9
62.5°	2126.7	1799.6	1361.5	250.3	266.3	215.0	222.3	201.8	180.0	202.0	216.3
65°	1933.1	1598.8	1134.6	191.9	220.6	215.5	201.3	197.7	168.8	186.3	201.5
67.5°	1677.0	1349.8	895.7	152.0	153.8	186.6	182.7	175.6	158.4	172.3	186.0
70°	1260.7	985.1	616.3	122.3	116.5	155.8	164.2	157.9	148.2	152.3	166.8
72.5°	888.4	643.2	337.6	97.0	89.9	119.8	142.6	141.6	131.0	134.0	148.2
75°	660.2	455.1	210.9	76.7	73.1	85.8	119.5	122.6	113.7	117.3	128.2
77.5°	439.4	294.7	117.3	56.9	56.9	62.7	89.1	103.3	96.7	99.5	107.1
80°	242.4	150.0	58.6	37.3	38.3	43.1	65.0	74.4	74.6	81.5	83.5
82.5°	76.7	47.7	26.1	21.8	20.6	24.6	41.9	53.3	49.7	63.5	58.4
85°	17.5	11.2	4.8	4.8	5.3	8.1	16.0	28.4	36.3	43.7	31.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	11.2	16.5	14.7
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°	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7
2.5°	387.8	382.8	381.2	376.9	376.4	372.4	370.8	370.8	372.6	372.6	374.4
5°	362.5	356.1	352.6	347.5	346.2	343.2	341.1	341.4	343.7	345.2	348.2
7.5°	340.1	335.8	333.3	331.0	330.5	330.0	327.7	327.4	328.2	330.5	332.8
10°	330.7	327.7	328.4	330.2	333.0	334.5	332.5	331.5	330.7	332.2	334.3
12.5°	339.9	336.8	338.3	341.4	345.2	346.7	346.0	345.7	346.5	352.3	356.6
15°	359.9	354.1	352.0	353.3	356.4	357.9	357.1	358.1	363.0	378.2	389.1
17.5°	384.8	370.6	362.5	360.2	361.4	362.7	362.7	365.2	373.6	396.0	409.7
20°	398.2	379.7	366.0	360.4	360.9	362.2	362.2	365.8	375.1	399.0	407.9
22.5°	394.7	377.7	360.9	354.8	355.1	356.1	356.1	359.2	367.5	388.6	392.7
25°	380.7	365.8	349.3	343.9	344.4	346.2	345.7	347.5	353.8	371.1	373.4
27.5°	364.0	350.8	334.5	330.5	332.8	336.3	333.3	333.5	339.4	353.8	354.1
30°	346.0	335.0	320.6	317.5	321.8	323.6	320.8	320.8	326.7	336.6	336.3
32.5°	326.4	319.6	309.2	305.9	310.7	313.5	309.9	310.4	315.0	321.6	319.0
35°	308.1	304.6	299.8	297.5	300.5	303.1	300.8	301.8	306.1	307.9	304.3
37.5°	290.6	290.1	290.6	290.6	291.4	292.1	290.6	293.2	297.0	294.7	290.6
40°	275.4	277.4	282.2	281.0	280.2	281.0	280.0	284.3	288.1	284.0	279.2
42.5°	262.7	266.5	273.9	273.9	272.3	272.9	272.3	277.7	280.5	274.9	269.6
45°	251.8	257.4	266.8	268.0	265.5	265.5	266.5	273.1	274.1	266.5	260.9
47.5°	244.2	251.0	261.7	264.0	260.2	259.9	262.7	269.8	269.8	260.9	254.6
50°	238.8	246.5	259.1	262.2	258.4	257.4	261.9	268.8	267.3	256.6	250.3
52.5°	235.3	243.2	258.9	263.2	260.7	259.7	264.2	269.0	265.2	253.8	247.2
55°	233.0	241.6	259.7	263.2	260.4	258.6	263.2	267.5	265.5	252.3	245.9
57.5°	234.3	242.9	258.6	260.4	257.1	254.1	259.4	265.5	264.7	252.8	246.5
60°	232.2	240.1	253.1	253.6	248.0	243.2	251.0	260.2	260.2	251.0	245.4
62.5°	222.9	230.7	242.1	242.6	236.3	231.0	240.1	251.0	250.8	243.4	237.6
65°	207.4	214.7	227.7	228.9	222.6	217.0	226.4	236.6	237.3	230.7	225.6
67.5°	190.4	197.0	206.6	211.7	206.4	200.5	209.1	218.8	218.5	210.7	205.3
70°	170.1	176.1	185.0	189.3	186.0	180.5	188.3	193.4	191.1	187.3	183.8
72.5°	150.0	155.8	164.2	164.2	160.7	155.3	157.6	166.8	169.6	166.8	164.5
75°	128.9	134.0	139.9	141.1	133.3	123.6	134.3	142.1	145.4	144.2	141.4
77.5°	107.4	111.2	119.8	117.5	102.8	97.7	106.3	118.0	120.3	119.5	115.7
80°	82.7	85.0	94.2	89.6	78.2	74.9	78.7	87.8	88.3	85.8	81.0
82.5°	55.6	58.6	64.7	55.8	55.6	52.5	49.5	50.5	55.1	54.6	51.3
85°	28.4	30.0	35.8	33.5	28.7	24.9	23.6	25.1	22.6	20.6	17.8
87.5°	11.9	12.9	17.8	9.9	3.0	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°	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7
2.5°	378.4	381.2	388.1	396.7	405.1	413.7	423.1	429.0	436.1	445.2	445.5
5°	352.0	358.4	368.3	381.5	395.2	410.9	429.2	444.4	462.7	477.2	483.0
7.5°	335.8	344.9	357.4	374.1	392.1	411.7	435.6	461.2	491.1	510.4	521.8
10°	337.3	351.3	363.7	377.9	394.2	415.2	446.0	480.0	516.8	542.2	556.4
12.5°	364.5	379.2	376.9	376.2	387.1	412.7	454.3	499.0	543.9	569.3	586.3
15°	398.7	404.3	382.8	366.5	373.1	403.6	458.9	516.0	566.5	597.5	614.2
17.5°	416.3	405.1	379.0	354.6	352.8	389.6	461.2	533.3	591.9	622.9	640.6
20°	408.1	391.9	369.8	346.7	334.0	370.6	459.9	547.0	615.0	649.5	664.0
22.5°	390.6	376.4	359.2	337.1	318.8	349.8	456.6	560.7	635.6	670.3	683.0
25°	371.6	360.9	346.7	327.4	310.2	331.5	454.3	579.0	659.2	692.4	700.5
27.5°	352.6	344.7	333.0	318.0	308.1	318.8	455.1	602.8	689.6	721.1	717.8
30°	333.8	326.9	318.8	312.2	307.9	315.7	453.1	628.2	723.1	752.3	732.8
32.5°	316.0	309.7	304.6	305.6	308.1	317.0	442.7	651.3	753.8	778.7	749.0
35°	300.8	294.2	294.2	297.7	307.1	312.7	415.8	669.3	787.9	812.7	772.1
37.5°	286.6	280.7	284.5	290.4	299.3	301.0	381.2	686.8	837.3	860.7	807.9
40°	274.1	268.3	275.1	282.5	287.1	286.3	346.2	711.2	895.7	919.8	855.4
42.5°	264.2	258.9	265.0	274.4	275.1	275.9	320.6	734.5	963.5	994.2	937.1
45°	256.1	252.3	255.3	264.7	264.7	276.4	304.6	754.1	1065.5	1119.8	1087.1
47.5°	249.8	247.5	249.0	252.0	257.1	285.5	294.4	769.1	1251.3	1357.9	1324.9
50°	246.2	243.9	245.9	239.6	254.8	290.1	291.1	780.5	1496.3	1663.3	1622.4
52.5°	243.2	242.4	243.7	228.9	259.9	287.1	288.6	765.3	1660.5	1963.8	2004.1
55°	242.1	242.6	236.6	221.1	266.0	276.9	281.0	656.4	1705.1	2222.9	2473.5
57.5°	242.6	241.1	225.6	221.8	266.3	256.6	291.9	468.3	1640.2	2335.6	2932.6
60°	240.9	233.3	212.4	228.7	254.6	232.8	284.0	305.3	1468.8	2249.1	2959.3
62.5°	233.0	221.8	201.0	232.5	233.8	218.5	257.9	235.3	1240.4	2063.8	2702.4
65°	221.6	206.6	191.4	224.6	212.7	211.9	193.9	188.6	997.5	1843.2	2458.7
67.5°	202.8	187.8	184.3	206.6	191.4	187.8	155.8	156.4	796.0	1608.2	2213.8
70°	181.5	166.5	169.3	186.8	170.3	156.1	126.1	130.2	603.8	1339.9	1883.6
72.5°	167.5	147.5	147.7	164.5	149.8	126.4	103.8	107.4	383.3	1009.9	1497.5
75°	141.4	130.0	124.4	133.3	127.2	98.5	87.3	86.6	227.2	723.9	1121.4
77.5°	118.0	109.1	106.3	109.9	94.9	72.8	70.3	69.0	128.7	463.7	734.8
80°	85.5	83.3	83.0	84.8	73.1	53.6	53.6	53.8	69.3	251.8	414.2
82.5°	54.3	59.4	52.5	58.4	49.7	38.1	35.5	40.4	39.8	107.4	174.6
85°	22.6	31.0	28.9	30.7	23.6	20.8	22.3	24.1	23.1	41.4	68.0
87.5°	4.3	5.1	5.6	5.3	5.3	6.6	7.4	8.9	8.9	11.9	20.6
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7	413.7
2.5°	455.1	462.5	460.9	464.2	459.9	461.4	452.8	450.5	449.0	449.5
5°	501.8	516.8	519.6	525.1	521.3	521.3	506.1	494.7	490.6	487.6
7.5°	549.3	570.8	585.1	586.6	584.5	580.5	558.4	537.8	530.5	524.1
10°	591.4	617.3	633.3	640.9	637.1	630.7	603.3	575.2	566.3	560.7
12.5°	623.6	646.5	657.1	662.2	661.7	659.4	637.1	606.6	597.2	588.6
15°	644.4	655.9	651.8	651.6	655.1	664.2	657.4	633.5	622.6	614.7
17.5°	657.9	647.0	629.0	620.6	628.2	649.8	665.5	652.1	642.2	633.5
20°	662.7	623.9	597.7	582.3	591.1	622.4	661.2	665.5	657.1	650.0
22.5°	657.1	595.7	560.2	541.9	550.5	587.8	648.5	676.4	670.8	664.0
25°	643.4	566.3	523.6	507.1	516.5	554.6	625.9	686.6	686.8	681.2
27.5°	626.4	539.1	498.0	482.5	491.6	527.2	603.8	695.5	704.3	702.3
30°	609.2	522.9	485.8	474.9	481.7	513.2	581.2	704.6	722.4	725.9
32.5°	601.3	530.7	514.5	519.3	510.4	521.3	573.1	717.5	744.2	750.0
35°	611.7	600.5	641.7	660.7	629.2	587.8	583.5	737.1	774.9	783.5
37.5°	662.2	750.0	811.5	878.5	823.9	732.8	635.1	770.3	818.8	832.5
40°	772.1	880.5	991.4	1078.0	995.5	872.9	733.0	819.8	879.2	891.7
42.5°	875.7	1002.8	1155.6	1267.6	1160.5	987.4	838.6	903.1	958.9	965.8
45°	977.2	1122.9	1354.4	1510.0	1364.5	1096.2	946.5	1043.7	1085.8	1086.1
47.5°	1096.2	1258.2	1603.6	1825.2	1635.3	1216.8	1047.8	1266.3	1324.9	1296.2
50°	1238.6	1392.7	1860.2	2192.0	1965.6	1365.0	1176.4	1537.6	1617.6	1585.1
52.5°	1429.2	1540.9	2143.0	2549.6	2325.5	1533.8	1363.0	1896.0	1922.4	1861.8
55°	1697.5	1754.9	2505.9	2991.2	2727.3	1741.7	1635.9	2345.8	2271.9	2098.1
57.5°	2308.5	2093.5	2972.0	3495.1	3181.9	2119.4	2233.9	2841.7	2579.0	2285.9
60°	2819.7	2504.7	3403.2	3995.1	3571.5	2535.6	2795.3	2928.0	2567.6	2265.1
62.5°	2647.3	2609.5	3558.8	4050.2	3704.5	2740.5	2691.0	2710.5	2400.1	2126.7
65°	2322.7	2407.2	3419.9	3789.0	3557.0	2557.0	2434.1	2509.5	2208.5	1933.1
67.5°	2131.1	2193.2	3173.0	3371.0	3289.0	2358.5	2234.4	2179.8	1911.0	1677.0
70°	1935.1	1986.6	2826.3	2846.3	2870.9	2028.5	1827.0	1664.5	1424.4	1260.7
72.5°	1672.2	1674.9	2387.9	2271.7	2318.4	1587.4	1470.6	1244.5	1036.8	888.4
75°	1402.9	1326.2	1890.2	1587.9	1681.5	1234.8	1221.1	937.9	782.0	660.2
77.5°	1069.6	980.0	1380.8	1044.2	1181.0	822.4	918.1	636.1	550.3	439.4
80°	718.1	662.2	763.0	589.4	772.6	566.8	598.8	360.4	312.4	242.4
82.5°	378.7	323.4	471.6	349.5	466.0	311.4	224.6	111.4	94.9	76.7
85°	146.7	169.8	231.2	124.4	180.7	111.2	65.0	27.7	23.1	17.5
87.5°	28.4	43.9	24.1	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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