

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: P630122

Luminaire Tested: GWS-SA1D-722-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630122  
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-SA1D-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**

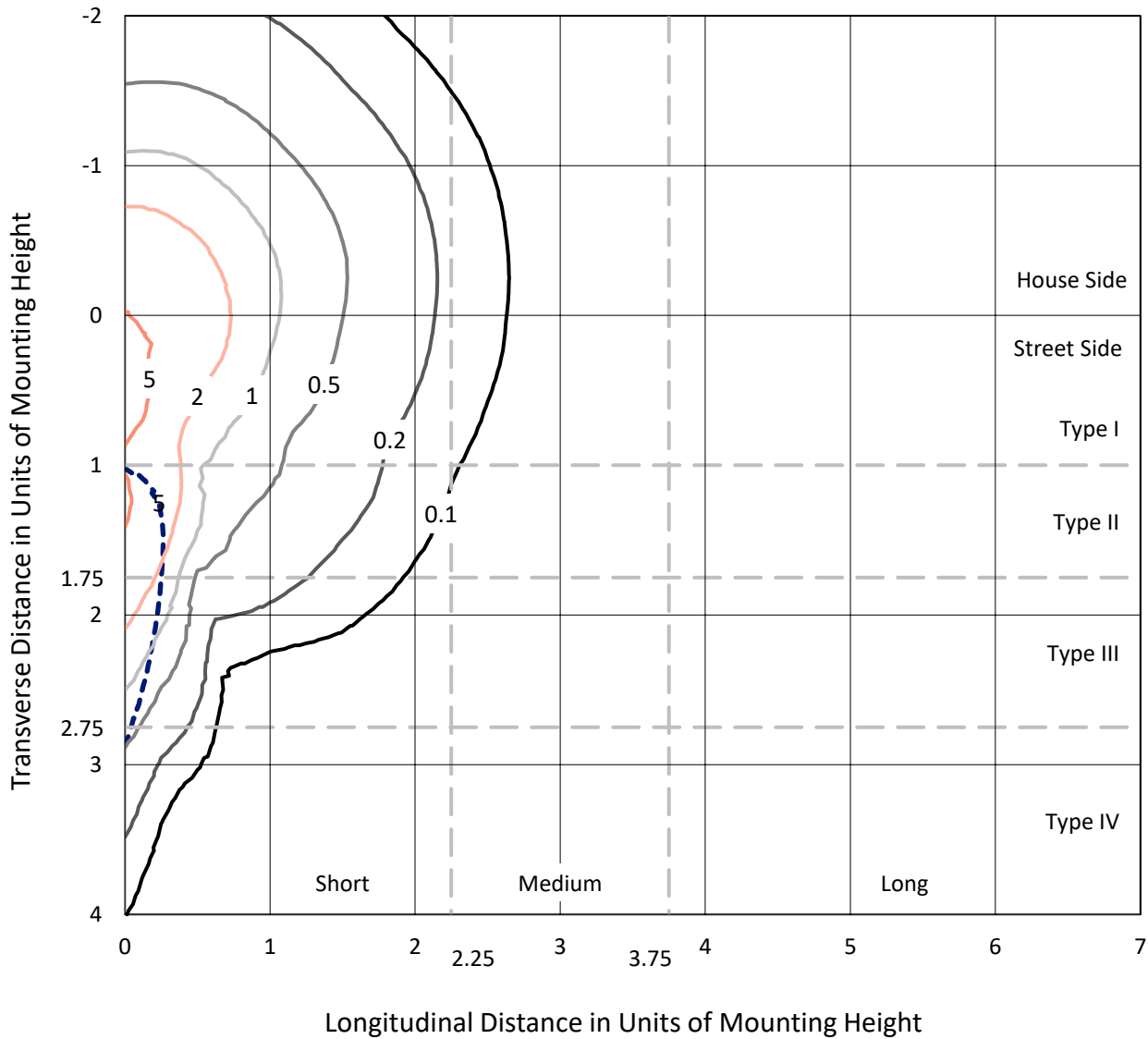
Lumens per Lamp: N/A  
Luminaire Lumens: 4186.2 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

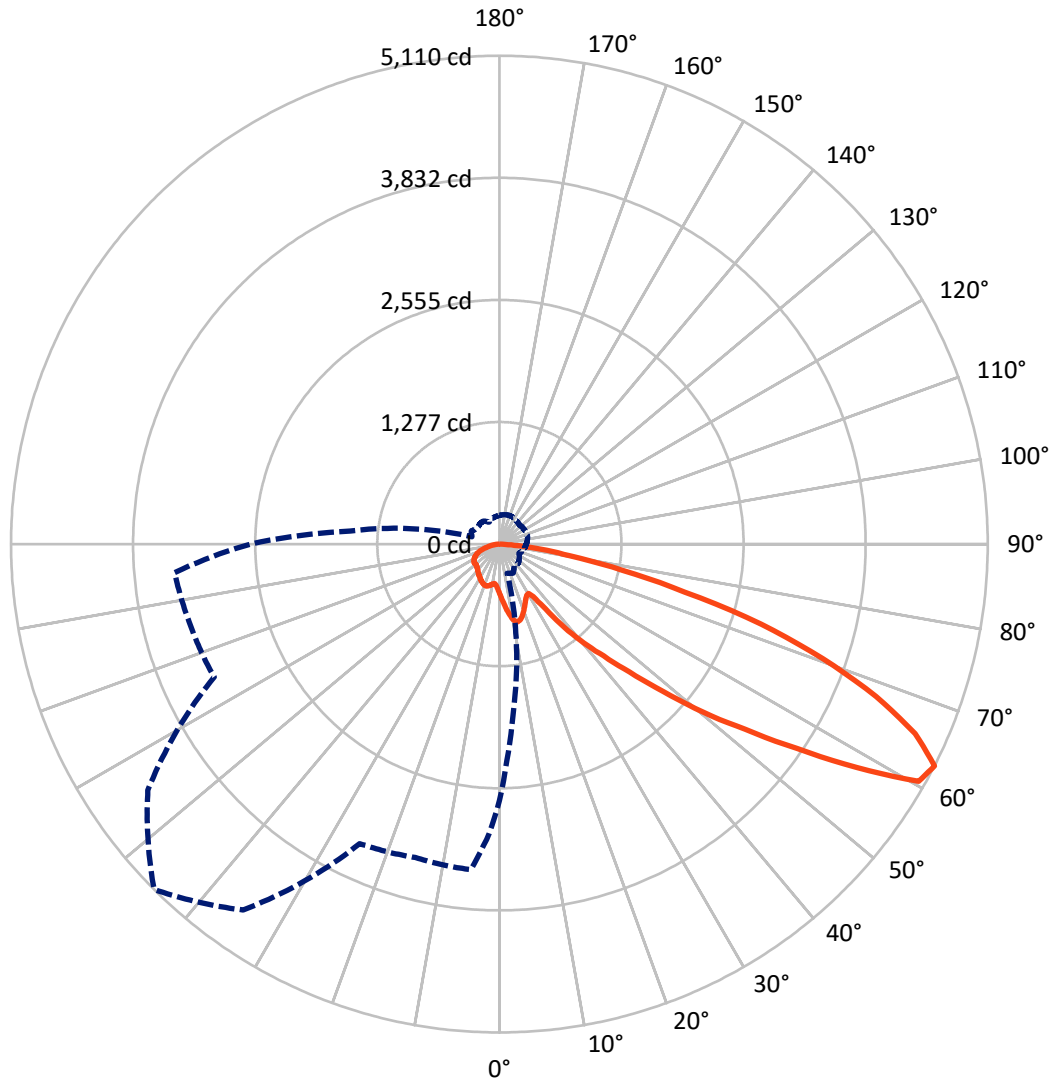
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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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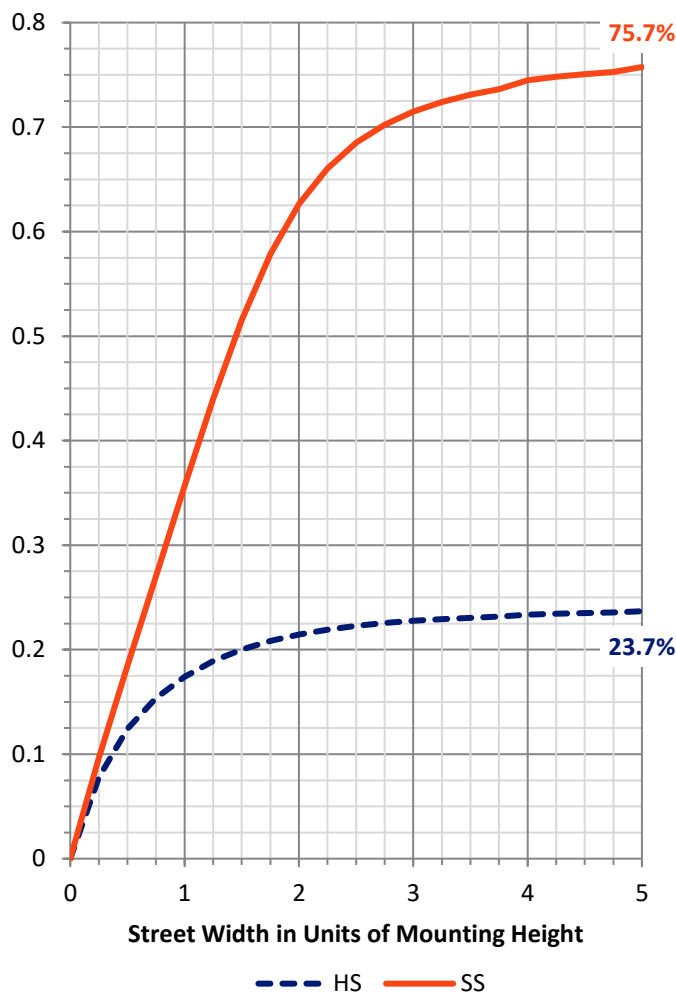
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1000.9	0.0	1000.9
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	3185.3	0.0	3185.3
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	4186.2	0.0	4186.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.4	1.2
10°-20°	167.1	4.0
20°-30°	263.1	6.3
30°-40°	360.6	8.6
40°-50°	562.6	13.4
50°-60°	970.1	23.2
60°-70°	1124.2	26.9
70°-80°	593.4	14.2
80°-90°	93.7	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°	4186.2	100.0
0°-180°	4186.2	100.0

**Coefficient of Utilization**



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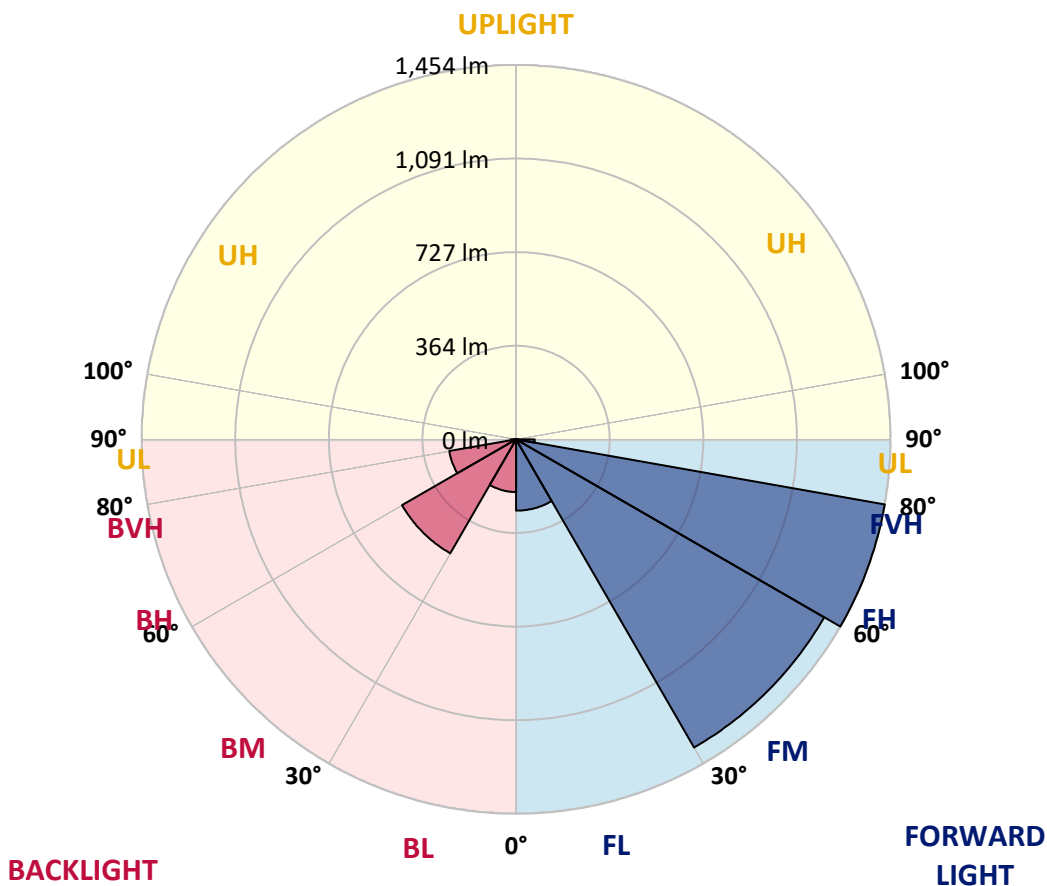
CATALOG NUMBER: GWS-SA1D-722-U-SLL-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.9	6.6			
FM (30°-60°)	1382.0	33.0			
FH (60°-80°)	1454.0	34.7			G1/1800
FVH (80°-90°)	72.4	1.7			G1/100
BL (0°-30°)	204.7	4.9	B1/500		
BM (30°-60°)	511.3	12.2	B1/1000		
BH (60°-80°)	263.5	6.3	B1/500		G1/500
BVH (80°-90°)	21.4	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°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	567.1	564.8	561.6	550.8	544.0	536.3	528.3	519.1	508.5	501.1	493.8
5°	615.1	611.6	603.9	578.0	560.0	540.5	524.2	505.6	487.4	474.9	462.4
7.5°	661.2	656.7	644.9	605.2	576.0	547.9	523.2	496.3	469.1	450.5	435.8
10°	707.3	698.0	683.0	631.1	592.7	560.0	531.9	498.9	462.7	437.4	421.7
12.5°	742.6	733.9	717.6	654.8	609.3	568.4	536.7	506.2	475.5	448.6	432.6
15°	775.5	764.3	745.8	676.9	623.1	568.0	527.1	500.5	496.0	489.3	468.5
17.5°	799.2	789.0	769.8	694.8	630.8	558.1	500.5	484.8	505.0	525.5	505.6
20°	820.0	808.2	788.7	707.3	632.4	536.0	468.1	468.5	500.2	528.3	523.5
22.5°	837.7	824.5	807.2	721.4	631.8	505.3	440.0	459.2	490.9	513.0	513.6
25°	859.4	848.5	834.1	742.2	631.8	473.9	419.5	448.0	475.2	493.8	493.1
27.5°	886.0	878.6	866.8	773.9	637.5	447.6	407.9	433.6	455.0	471.0	470.7
30°	915.8	909.1	900.1	807.6	647.5	428.1	401.5	415.6	431.3	444.1	444.1
32.5°	946.2	943.6	934.0	834.5	639.8	422.0	396.1	397.7	406.0	416.6	415.6
35°	988.5	985.9	973.7	855.3	606.5	413.4	387.4	379.4	380.4	387.1	389.4
37.5°	1050.3	1046.4	1028.5	879.6	556.2	391.6	373.4	360.2	357.3	360.2	364.4
40°	1124.9	1119.1	1094.8	912.6	498.2	362.2	351.3	340.4	335.6	336.5	341.3
42.5°	1218.4	1206.2	1171.3	947.5	440.9	336.2	326.6	319.9	314.4	313.8	323.1
45°	1370.2	1336.9	1281.5	978.5	392.6	322.4	304.5	299.7	295.2	297.8	308.7
47.5°	1635.3	1573.8	1465.9	1005.1	363.1	322.8	286.9	281.8	281.5	286.6	298.8
50°	1999.7	1911.0	1744.5	1023.1	347.7	326.6	276.3	268.0	274.1	279.2	290.7
52.5°	2348.7	2213.2	2015.0	1022.7	341.0	327.2	279.2	255.2	274.1	275.4	286.3
55°	2646.8	2401.5	2088.1	917.7	331.4	324.7	290.4	245.3	270.6	275.4	284.0
57.5°	2883.8	2521.3	2082.6	741.3	360.5	310.6	297.1	243.0	260.3	276.0	285.9
60°	2857.5	2466.5	1948.4	455.0	357.7	285.6	296.2	247.2	243.0	267.4	283.7
62.5°	2683.0	2270.2	1717.6	315.7	335.9	271.2	280.5	254.6	227.0	254.9	272.8
65°	2438.7	2017.0	1431.3	242.1	278.3	271.9	253.9	249.4	212.9	235.0	254.2
67.5°	2115.6	1702.8	1130.0	191.8	194.0	235.3	230.5	221.6	199.8	217.4	234.7
70°	1590.5	1242.7	777.5	154.3	147.0	196.6	207.2	199.2	187.0	192.1	210.4
72.5°	1120.7	811.4	425.9	122.3	113.4	151.1	180.0	178.7	165.2	169.1	187.0
75°	832.9	574.1	266.1	96.7	92.2	108.2	150.8	154.7	143.5	147.9	161.7
77.5°	554.3	371.8	147.9	71.7	71.7	79.1	112.4	130.3	122.0	125.5	135.1
80°	305.8	189.2	74.0	47.1	48.4	54.4	82.0	93.8	94.1	102.8	105.3
82.5°	96.7	60.2	33.0	27.5	25.9	31.1	52.8	67.2	62.8	80.1	73.6
85°	22.1	14.1	6.1	6.1	6.7	10.2	20.2	35.9	45.8	55.1	40.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	14.1	20.8	18.6
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	489.3	482.9	480.9	475.5	474.9	469.7	467.8	467.8	470.1	470.1	472.3
5°	457.3	449.2	444.8	438.4	436.8	432.9	430.4	430.7	433.6	435.5	439.3
7.5°	429.1	423.6	420.4	417.5	416.9	416.3	413.4	413.1	414.0	416.9	419.8
10°	417.2	413.4	414.3	416.6	420.1	422.0	419.5	418.2	417.2	419.1	421.7
12.5°	428.8	424.9	426.8	430.7	435.5	437.4	436.4	436.1	437.1	444.4	449.9
15°	454.0	446.7	444.1	445.7	449.6	451.5	450.5	451.8	457.9	477.1	490.9
17.5°	485.4	467.5	457.3	454.4	456.0	457.6	457.6	460.8	471.3	499.5	516.8
20°	502.4	479.0	461.7	454.7	455.3	456.9	456.9	461.4	473.3	503.4	514.6
22.5°	497.9	476.5	455.3	447.6	448.0	449.2	449.2	453.1	463.7	490.2	495.4
25°	480.3	461.4	440.6	433.9	434.5	436.8	436.1	438.4	446.4	468.1	471.0
27.5°	459.2	442.5	422.0	416.9	419.8	424.3	420.4	420.7	428.1	446.4	446.7
30°	436.4	422.7	404.4	400.6	406.0	408.3	404.7	404.7	412.1	424.6	424.3
32.5°	411.8	403.1	390.0	385.8	391.9	395.5	391.0	391.6	397.4	405.7	402.5
35°	388.7	384.2	378.2	375.3	379.1	382.3	379.4	380.7	386.2	388.4	383.9
37.5°	366.6	366.0	366.6	366.6	367.6	368.6	366.6	369.8	374.6	371.8	366.6
40°	347.4	350.0	356.1	354.5	353.5	354.5	353.2	358.6	363.4	358.3	352.2
42.5°	331.4	336.2	345.5	345.5	343.6	344.2	343.6	350.3	353.8	346.8	340.1
45°	317.6	324.7	336.5	338.1	334.9	334.9	336.2	344.5	345.8	336.2	329.2
47.5°	308.0	316.7	330.1	333.0	328.2	327.9	331.4	340.4	340.4	329.2	321.2
50°	301.3	310.9	326.9	330.8	326.0	324.7	330.5	339.1	337.2	323.7	315.7
52.5°	296.8	306.8	326.6	332.1	328.8	327.6	333.3	339.4	334.6	320.2	311.9
55°	293.9	304.8	327.6	332.1	328.5	326.3	332.1	337.5	334.9	318.3	310.3
57.5°	295.5	306.4	326.3	328.5	324.4	320.5	327.2	334.9	334.0	318.9	310.9
60°	293.0	302.9	319.2	319.9	312.8	306.8	316.7	328.2	328.2	316.7	309.6
62.5°	281.1	291.1	305.5	306.1	298.1	291.4	302.9	316.7	316.4	307.1	299.7
65°	261.6	270.9	287.2	288.8	280.8	273.8	285.6	298.4	299.4	291.1	284.7
67.5°	240.2	248.5	260.6	267.1	260.3	253.0	263.8	276.0	275.7	265.8	259.0
70°	214.5	222.2	233.4	238.9	234.7	227.7	237.6	244.0	241.1	236.3	231.8
72.5°	189.2	196.6	207.2	207.2	202.7	196.0	198.8	210.4	213.9	210.4	207.5
75°	162.7	169.1	176.4	178.0	168.1	155.9	169.4	179.3	183.5	181.9	178.4
77.5°	135.4	140.2	151.1	148.3	129.7	123.3	134.2	148.9	151.8	150.8	146.0
80°	104.4	107.3	118.8	113.0	98.6	94.5	99.3	110.8	111.4	108.2	102.1
82.5°	70.1	74.0	81.7	70.4	70.1	66.3	62.4	63.7	69.5	68.8	64.7
85°	35.9	37.8	45.1	42.3	36.2	31.4	29.8	31.7	28.5	25.9	22.4
87.5°	15.0	16.3	22.4	12.5	3.8	0.0	0.0	1.9	2.9	4.2	4.5
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°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	477.4	480.9	489.6	500.5	511.0	521.9	533.8	541.1	550.1	561.6	562.0
5°	444.1	452.1	464.6	481.3	498.6	518.4	541.5	560.7	583.7	602.0	609.3
7.5°	423.6	435.2	450.8	472.0	494.7	519.4	549.5	581.8	619.6	643.9	658.3
10°	425.6	443.2	458.9	476.8	497.3	523.9	562.6	605.5	651.9	684.0	701.9
12.5°	459.8	478.4	475.5	474.5	488.3	520.7	573.2	629.5	686.2	718.2	739.7
15°	503.0	510.1	482.9	462.4	470.7	509.1	578.9	651.0	714.7	753.8	774.9
17.5°	525.1	511.0	478.1	447.3	445.1	491.5	581.8	672.7	746.7	785.8	808.2
20°	514.9	494.4	466.5	437.4	421.4	467.5	580.2	690.0	775.9	819.4	837.7
22.5°	492.8	474.9	453.1	425.2	402.2	441.2	576.0	707.3	801.8	845.7	861.7
25°	468.8	455.3	437.4	413.1	391.3	418.2	573.2	730.4	831.6	873.5	883.8
27.5°	444.8	434.8	420.1	401.2	388.7	402.2	574.1	760.5	870.0	909.7	905.5
30°	421.1	412.4	402.2	393.9	388.4	398.3	571.6	792.5	912.3	949.1	924.4
32.5°	398.7	390.6	384.2	385.5	388.7	399.9	558.4	821.6	951.0	982.4	944.9
35°	379.4	371.1	371.1	375.6	387.4	394.5	524.5	844.4	993.9	1025.3	974.1
37.5°	361.5	354.1	358.9	366.3	377.5	379.8	480.9	866.5	1056.4	1085.8	1019.2
40°	345.8	338.5	347.1	356.4	362.2	361.2	436.8	897.2	1130.0	1160.4	1079.1
42.5°	333.3	326.6	334.3	346.1	347.1	348.1	404.4	926.7	1215.5	1254.2	1182.2
45°	323.1	318.3	322.1	334.0	334.0	348.7	384.2	951.3	1344.2	1412.7	1371.4
47.5°	315.1	312.2	314.1	318.0	324.4	360.2	371.4	970.2	1578.6	1713.1	1671.5
50°	310.6	307.7	310.3	302.3	321.5	366.0	367.3	984.6	1887.6	2098.3	2046.7
52.5°	306.8	305.8	307.4	288.8	327.9	362.2	364.1	965.4	2094.8	2477.4	2528.3
55°	305.5	306.1	298.4	278.9	335.6	349.3	354.5	828.0	2151.1	2804.3	3120.4
57.5°	306.1	304.2	284.7	279.9	335.9	323.7	368.2	590.8	2069.2	2946.5	3699.6
60°	303.9	294.3	268.0	288.5	321.2	293.6	358.3	385.2	1853.0	2837.3	3733.3
62.5°	293.9	279.9	253.6	293.3	294.9	275.7	325.3	296.8	1564.8	2603.6	3409.2
65°	279.5	260.6	241.4	283.4	268.3	267.4	244.6	237.9	1258.4	2325.3	3101.8
67.5°	255.8	237.0	232.5	260.6	241.4	237.0	196.6	197.2	1004.2	2028.8	2792.8
70°	228.9	210.1	213.6	235.7	214.9	196.9	159.1	164.3	761.8	1690.4	2376.2
72.5°	211.3	186.0	186.4	207.5	188.9	159.5	131.0	135.4	483.5	1274.1	1889.2
75°	178.4	163.9	156.9	168.1	160.4	124.2	110.2	109.2	286.6	913.2	1414.7
77.5°	148.9	137.7	134.2	138.6	119.8	91.9	88.7	87.1	162.3	585.0	927.0
80°	107.9	105.0	104.7	106.9	92.2	67.6	67.6	67.9	87.4	317.6	522.6
82.5°	68.5	74.9	66.3	73.6	62.8	48.0	44.8	50.9	50.3	135.4	220.3
85°	28.5	39.1	36.5	38.7	29.8	26.3	28.2	30.4	29.1	52.2	85.8
87.5°	5.4	6.4	7.0	6.7	6.7	8.3	9.3	11.2	11.2	15.0	25.9
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	574.1	583.4	581.5	585.7	580.2	582.1	571.2	568.4	566.4	567.1
5°	633.0	651.9	655.5	662.5	657.7	657.7	638.5	624.1	619.0	615.1
7.5°	692.9	720.1	738.1	740.0	737.4	732.3	704.4	678.5	669.2	661.2
10°	746.1	778.7	798.9	808.5	803.7	795.7	761.1	725.6	714.4	707.3
12.5°	786.7	815.6	829.0	835.4	834.8	831.9	803.7	765.3	753.4	742.6
15°	813.0	827.4	822.3	822.0	826.4	838.0	829.3	799.2	785.5	775.5
17.5°	830.0	816.2	793.5	782.9	792.5	819.7	839.6	822.6	810.1	799.2
20°	836.1	787.1	754.1	734.5	745.8	785.1	834.1	839.6	829.0	820.0
22.5°	829.0	751.5	706.7	683.6	694.5	741.6	818.1	853.3	846.3	837.7
25°	811.7	714.4	660.6	639.8	651.6	699.6	789.6	866.2	866.5	859.4
27.5°	790.3	680.1	628.2	608.7	620.2	665.1	761.8	877.4	888.6	886.0
30°	768.5	659.6	612.9	599.1	607.7	647.5	733.3	888.9	911.3	915.8
32.5°	758.6	669.5	649.1	655.1	643.9	657.7	723.0	905.2	938.8	946.2
35°	771.7	757.6	809.5	833.5	793.8	741.6	736.1	929.9	977.6	988.5
37.5°	835.4	946.2	1023.7	1108.2	1039.4	924.4	801.2	971.8	1033.0	1050.3
40°	974.1	1110.8	1250.7	1359.9	1255.8	1101.2	924.7	1034.3	1109.2	1124.9
42.5°	1104.7	1265.1	1457.9	1599.1	1464.0	1245.6	1058.0	1139.3	1209.7	1218.4
45°	1232.8	1416.6	1708.6	1904.9	1721.4	1383.0	1194.0	1316.7	1369.8	1370.2
47.5°	1383.0	1587.3	2023.0	2302.6	2063.1	1535.1	1321.8	1597.5	1671.5	1635.3
50°	1562.6	1757.0	2346.8	2765.3	2479.7	1722.1	1484.1	1939.8	2040.7	1999.7
52.5°	1803.1	1944.0	2703.5	3216.4	2933.7	1935.0	1719.5	2391.9	2425.2	2348.7
55°	2141.5	2213.9	3161.4	3773.6	3440.6	2197.2	2063.7	2959.3	2866.1	2646.8
57.5°	2912.3	2641.0	3749.3	4409.2	4014.1	2673.7	2818.1	3585.0	3253.6	2883.8
60°	3557.1	3159.8	4293.3	5040.0	4505.6	3198.8	3526.4	3693.9	3239.2	2857.5
62.5°	3339.7	3292.0	4489.6	5109.5	4673.4	3457.2	3394.8	3419.5	3027.8	2683.0
65°	2930.2	3036.8	4314.4	4780.0	4487.3	3225.7	3070.8	3165.9	2786.1	2438.7
67.5°	2688.4	2766.9	4002.9	4252.6	4149.2	2975.3	2818.8	2749.9	2410.8	2115.6
70°	2441.2	2506.2	3565.5	3590.8	3621.8	2559.1	2304.8	2099.9	1797.0	1590.5
72.5°	2109.5	2113.0	3012.5	2865.8	2924.7	2002.6	1855.3	1570.0	1308.0	1120.7
75°	1769.8	1673.1	2384.6	2003.2	2121.4	1557.8	1540.5	1183.2	986.5	832.9
77.5°	1349.3	1236.3	1741.9	1317.3	1489.9	1037.5	1158.2	802.4	694.2	554.3
80°	905.9	835.4	962.5	743.5	974.7	715.0	755.4	454.7	394.2	305.8
82.5°	477.7	407.9	594.9	440.9	587.9	392.9	283.4	140.6	119.8	96.7
85°	185.1	214.2	291.7	156.9	228.0	140.2	82.0	34.9	29.1	22.1
87.5°	35.9	55.4	30.4	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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