

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: P635291

Luminaire Tested: GWS-SA3D-740-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10655.1 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

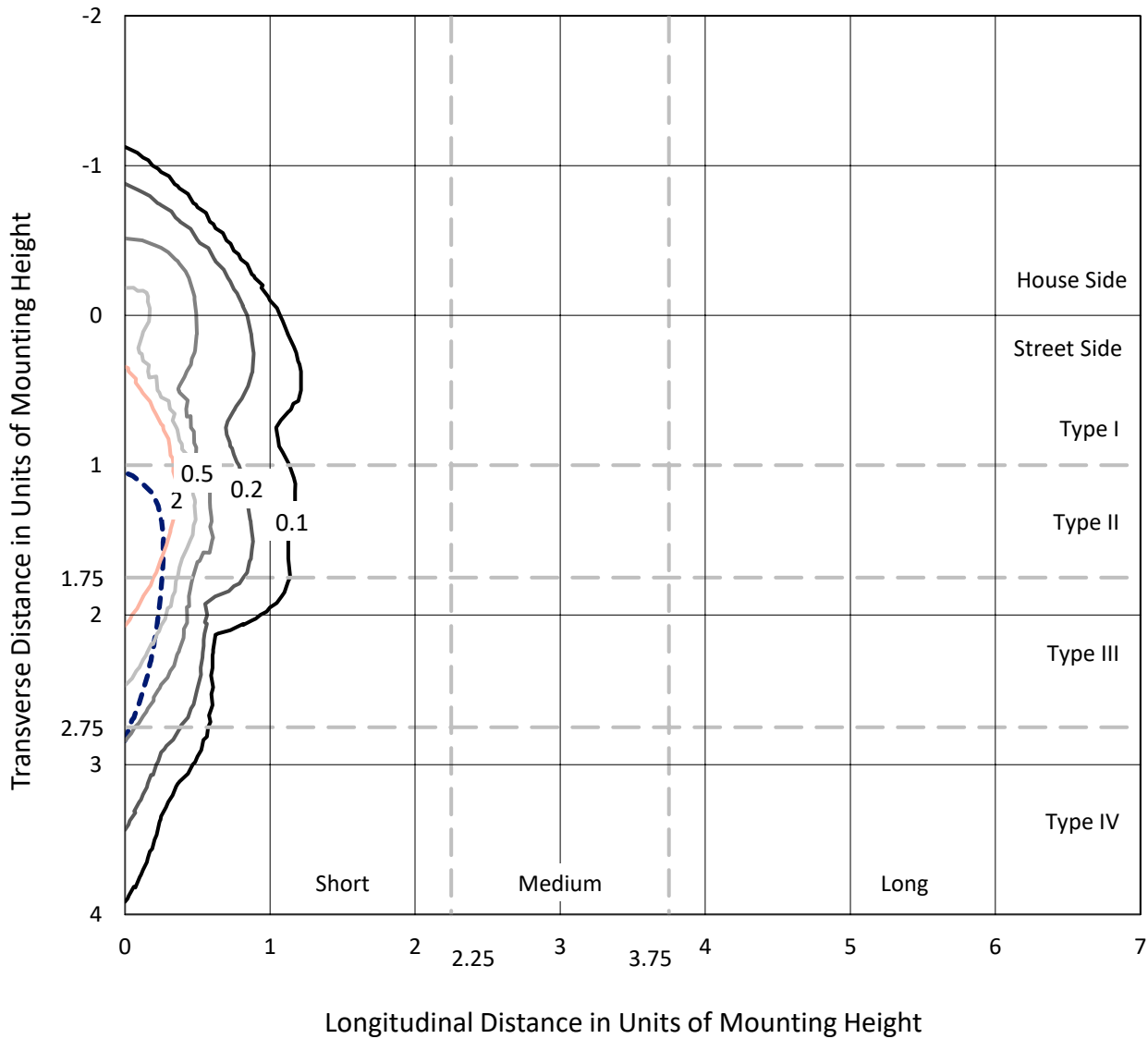
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

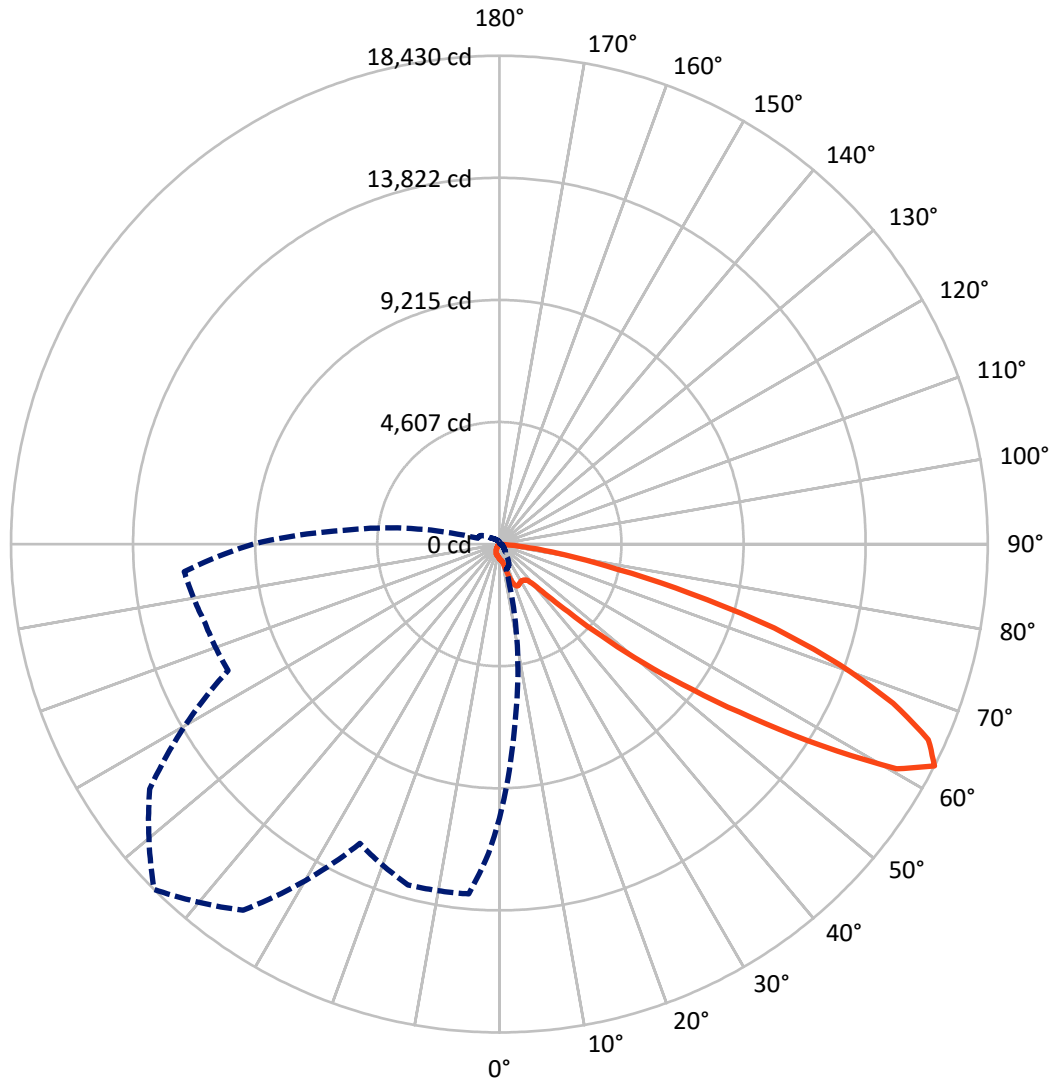
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 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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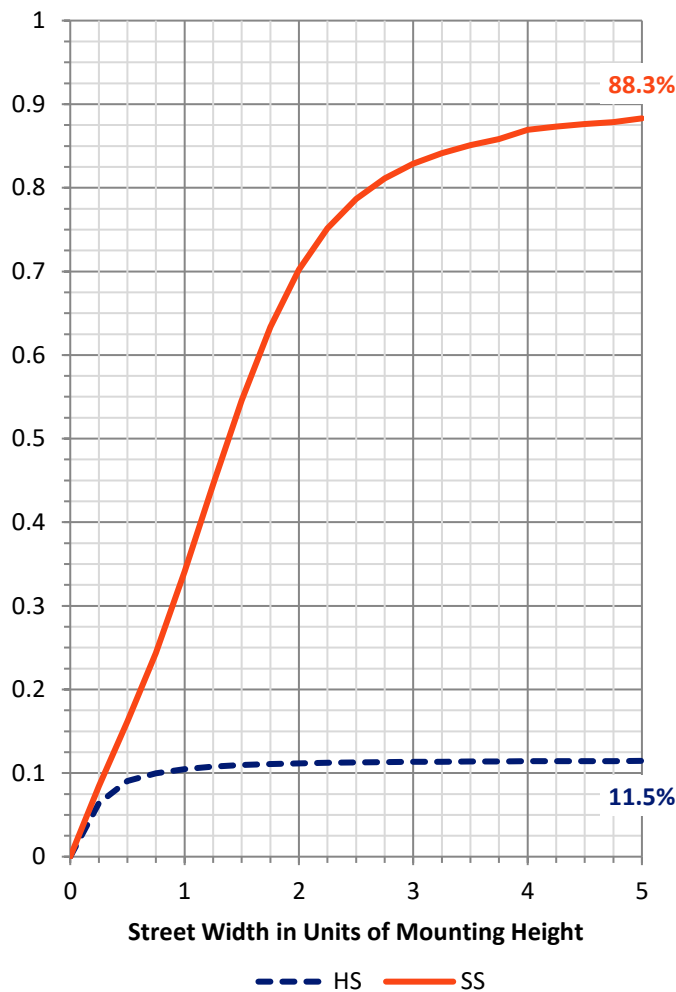
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.0	0.0	1238.0
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	9417.1	0.0	9417.1
	% Fixture	88.4	0.0	88.4
Total	Lumens	10655.1	0.0	10655.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	0.4
10°-20°	163.6	1.5
20°-30°	369.5	3.5
30°-40°	636.5	6.0
40°-50°	1200.7	11.3
50°-60°	2680.9	25.2
60°-70°	3585.7	33.7
70°-80°	1798.1	16.9
80°-90°	172.3	1.6
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°	10655.1	100.0
0°-180°	10655.1	100.0

Coefficient of Utilization

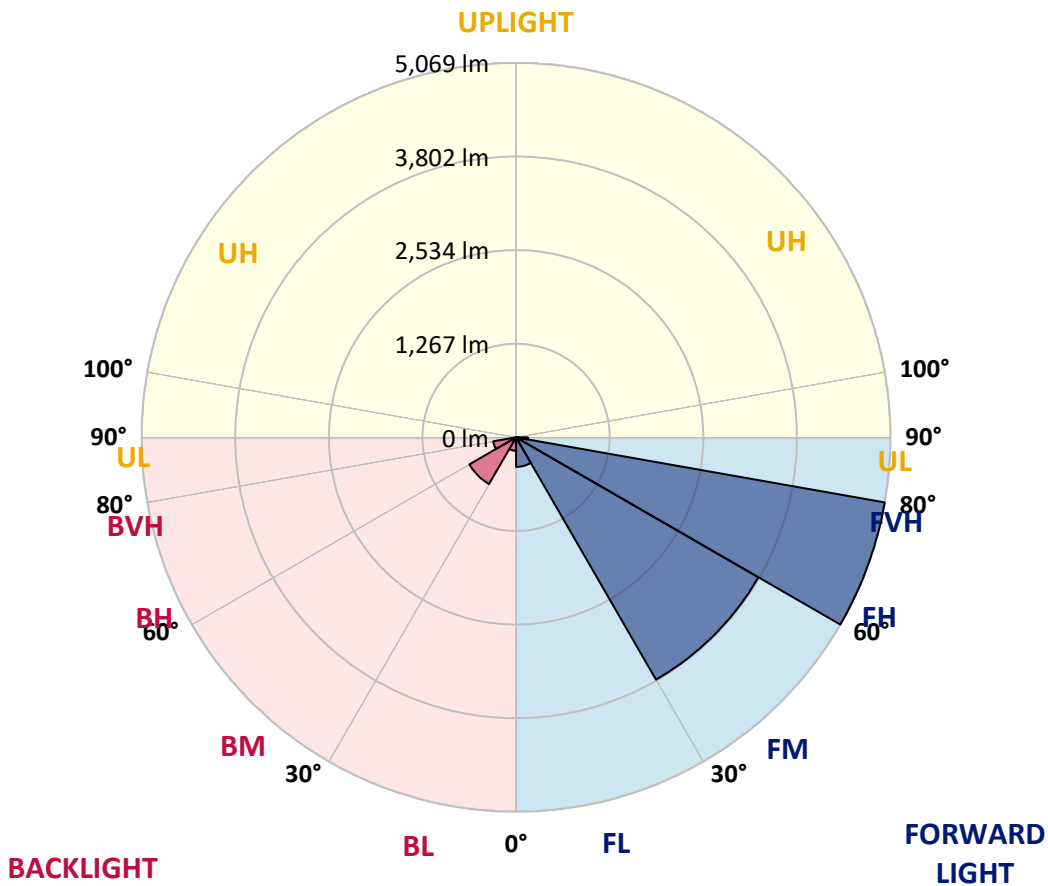


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.0	3.7			
FM (30°-60°)	3788.2	35.6			
FH (60°-80°)	5069.0	47.6			G3/7500
FVH (80°-90°)	160.9	1.5			G2/225
BL (0°-30°)	181.7	1.7	B1/500		
BM (30°-60°)	730.0	6.9	B1/1000		
BH (60°-80°)	314.8	3.0	B1/500		G1/500
BVH (80°-90°)	11.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6
2.5°	546.3	545.0	542.5	534.9	528.6	524.8	517.3	517.3	516.0	513.5	508.4
5°	528.6	523.6	518.5	504.6	489.5	480.7	470.6	469.3	469.3	466.8	465.5
7.5°	500.9	495.8	489.5	466.8	452.9	444.1	435.3	434.0	430.2	430.2	430.2
10°	485.7	478.2	468.1	442.8	429.0	421.4	415.1	411.3	408.8	405.0	403.7
12.5°	518.5	504.6	483.2	437.8	418.9	408.8	401.2	398.7	391.1	386.1	382.3
15°	620.7	586.7	543.8	449.1	415.1	399.9	389.8	384.8	378.5	369.7	363.3
17.5°	788.5	739.3	667.4	485.7	411.3	392.4	379.7	370.9	362.1	352.0	344.4
20°	1020.6	947.5	861.7	552.6	411.3	383.5	368.4	357.0	344.4	333.1	324.2
22.5°	1315.9	1242.7	1096.3	666.1	416.3	372.2	354.5	339.4	324.2	314.1	304.0
25°	1646.4	1543.0	1406.7	803.7	430.2	357.0	338.1	323.0	309.1	296.5	285.1
27.5°	2014.8	1902.5	1720.8	999.2	460.5	341.9	320.5	306.6	294.0	281.3	266.2
30°	2354.2	2287.3	2101.9	1233.9	509.7	331.8	306.6	294.0	281.3	264.9	251.1
32.5°	2761.7	2643.1	2490.4	1501.3	575.3	321.7	295.2	277.6	267.5	252.3	237.2
35°	3171.7	3070.8	2870.2	1830.6	648.5	311.6	281.3	264.9	256.1	238.4	222.0
37.5°	3594.4	3571.6	3373.6	2195.2	720.4	300.3	264.9	254.8	246.0	225.8	206.9
40°	4010.7	3969.1	3786.1	2611.5	764.5	287.6	251.1	244.8	234.7	212.0	190.5
42.5°	4409.4	4377.8	4199.9	3010.2	758.2	276.3	237.2	229.6	222.0	199.3	172.8
45°	4898.9	4847.1	4622.6	3305.4	693.9	288.9	223.3	210.7	209.4	188.0	155.2
47.5°	5814.8	5644.5	5263.5	3532.5	629.5	321.7	208.2	193.0	201.9	176.6	137.5
50°	7097.9	6897.3	6345.9	3709.2	628.3	364.6	205.6	176.6	195.6	167.8	122.4
52.5°	8387.2	8034.0	7364.1	3803.8	675.0	396.1	228.4	160.2	188.0	159.0	111.0
55°	9622.4	8889.4	7790.5	3490.9	711.6	430.2	270.0	151.4	174.1	148.9	104.7
57.5°	10799.5	9576.9	7976.0	2761.7	833.9	444.1	295.2	155.2	153.9	136.3	99.7
60°	10960.9	9544.1	7601.2	1606.0	919.7	420.1	285.1	172.8	135.0	121.1	90.8
62.5°	10350.3	8909.5	6747.1	1001.7	854.1	411.3	253.6	196.8	122.4	107.2	79.5
65°	9423.0	7914.1	5625.6	645.9	647.2	456.7	222.0	193.0	114.8	94.6	68.1
67.5°	7973.4	6623.5	4432.1	432.7	365.9	389.8	194.3	132.5	112.3	80.7	53.0
70°	5819.8	4714.7	2885.3	288.9	218.3	311.6	162.7	94.6	106.0	66.9	37.8
72.5°	4254.2	3167.9	1611.1	189.2	123.6	181.7	119.9	68.1	82.0	49.2	26.5
75°	3061.9	2180.1	919.7	121.1	82.0	99.7	78.2	46.7	53.0	39.1	24.0
77.5°	1473.6	1062.3	417.6	66.9	55.5	50.5	41.6	29.0	32.8	35.3	21.4
80°	55.5	41.6	31.5	32.8	35.3	22.7	18.9	15.1	18.9	24.0	11.4
82.5°	0.0	0.0	0.0	3.8	5.0	6.3	7.6	6.3	7.6	8.8	1.3
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°	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6
2.5°	512.2	509.7	512.2	514.7	517.3	519.8	516.0	518.5	521.0	514.7	517.3
5°	471.8	470.6	478.2	481.9	487.0	489.5	487.0	487.0	485.7	478.2	478.2
7.5°	436.5	437.8	444.1	452.9	459.2	463.0	460.5	459.2	455.4	444.1	444.1
10°	410.0	410.0	420.1	427.7	436.5	440.3	437.8	434.0	430.2	418.9	417.6
12.5°	388.6	388.6	396.1	408.8	418.9	423.9	422.6	417.6	411.3	399.9	398.7
15°	368.4	367.1	378.5	389.8	403.7	410.0	407.5	403.7	392.4	382.3	379.7
17.5°	348.2	346.9	357.0	372.2	387.3	396.1	394.9	386.1	376.0	363.3	360.8
20°	328.0	325.5	338.1	353.3	368.4	377.2	374.7	367.1	354.5	341.9	339.4
22.5°	307.8	306.6	315.4	328.0	341.9	349.5	348.2	341.9	329.3	317.9	317.9
25°	285.1	285.1	291.4	300.3	310.4	314.1	315.4	312.9	305.3	299.0	299.0
27.5°	266.2	262.4	264.9	267.5	272.5	278.8	278.8	281.3	282.6	280.1	281.3
30°	251.1	244.8	241.0	235.9	233.4	235.9	238.4	247.3	256.1	261.2	263.7
32.5°	233.4	225.8	215.7	201.9	193.0	190.5	198.1	214.5	230.9	242.2	248.5
35°	215.7	205.6	186.7	166.5	155.2	151.4	160.2	179.1	203.1	223.3	232.1
37.5°	198.1	184.2	157.7	133.7	121.1	118.6	127.4	147.6	175.4	203.1	214.5
40°	177.9	161.5	129.9	104.7	94.6	92.1	99.7	119.9	148.9	180.4	198.1
42.5°	157.7	137.5	104.7	83.3	73.2	73.2	83.3	98.4	124.9	159.0	180.4
45°	137.5	116.1	85.8	66.9	60.6	61.8	68.1	83.3	104.7	140.0	160.2
47.5°	118.6	99.7	70.7	55.5	50.5	51.7	59.3	71.9	89.6	121.1	142.6
50°	102.2	84.5	61.8	46.7	42.9	45.4	53.0	64.3	79.5	107.2	124.9
52.5°	92.1	75.7	56.8	40.4	37.8	40.4	47.9	58.0	71.9	94.6	112.3
55°	87.1	74.4	56.8	36.6	32.8	35.3	42.9	53.0	64.3	85.8	100.9
57.5°	85.8	77.0	60.6	32.8	27.8	30.3	37.8	47.9	59.3	78.2	90.8
60°	80.7	73.2	59.3	26.5	21.4	25.2	31.5	41.6	54.2	73.2	84.5
62.5°	70.7	64.3	51.7	21.4	16.4	18.9	26.5	36.6	49.2	66.9	79.5
65°	58.0	51.7	40.4	13.9	10.1	12.6	20.2	31.5	42.9	60.6	71.9
67.5°	42.9	36.6	27.8	8.8	5.0	8.8	16.4	26.5	39.1	54.2	65.6
70°	26.5	21.4	15.1	5.0	3.8	7.6	15.1	25.2	35.3	50.5	61.8
72.5°	15.1	10.1	6.3	2.5	3.8	7.6	15.1	25.2	34.1	47.9	58.0
75°	11.4	6.3	2.5	1.3	2.5	6.3	13.9	22.7	32.8	45.4	55.5
77.5°	7.6	3.8	1.3	0.0	1.3	5.0	12.6	21.4	30.3	42.9	53.0
80°	1.3	0.0	0.0	0.0	0.0	3.8	11.4	18.9	27.8	37.8	46.7
82.5°	0.0	0.0	0.0	0.0	0.0	1.3	8.8	16.4	24.0	31.5	37.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.0	12.6	18.9	24.0	26.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	12.6	15.1	17.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6
2.5°	516.0	523.6	523.6	528.6	534.9	546.3	552.6	561.4	567.7	574.0	576.6
5°	476.9	478.2	479.4	481.9	489.5	502.1	513.5	527.4	543.8	556.4	563.9
7.5°	444.1	444.1	444.1	447.9	455.4	464.3	475.6	494.6	513.5	528.6	541.2
10°	416.3	420.1	421.4	427.7	436.5	447.9	460.5	476.9	498.3	518.5	541.2
12.5°	398.7	402.5	408.8	415.1	423.9	436.5	450.4	471.8	516.0	557.6	605.6
15°	382.3	387.3	394.9	403.7	413.8	427.7	442.8	487.0	590.4	668.7	744.4
17.5°	364.6	372.2	382.3	391.1	403.7	418.9	437.8	523.6	726.7	856.6	985.3
20°	341.9	352.0	363.3	377.2	392.4	410.0	437.8	599.3	923.5	1110.2	1280.5
22.5°	320.5	330.5	344.4	362.1	379.7	397.4	444.1	714.1	1177.1	1413.0	1628.7
25°	302.8	315.4	329.3	344.4	364.6	384.8	459.2	875.6	1482.4	1786.5	1939.1
27.5°	286.4	301.5	315.4	328.0	345.7	368.4	493.3	1091.3	1843.2	2152.3	2272.2
30°	270.0	287.6	301.5	314.1	331.8	355.8	545.0	1366.3	2244.4	2544.7	2557.3
32.5°	256.1	272.5	288.9	301.5	317.9	345.7	616.9	1688.0	2655.7	2945.9	2827.3
35°	241.0	259.9	275.0	288.9	306.6	336.9	700.2	2035.0	3070.8	3314.3	3096.0
37.5°	225.8	247.3	266.2	276.3	294.0	328.0	760.8	2397.1	3494.7	3673.8	3331.9
40°	212.0	235.9	257.4	267.5	276.3	316.7	769.6	2768.0	3924.9	4028.3	3554.0
42.5°	196.8	223.3	242.2	256.1	263.7	309.1	716.6	3080.9	4285.7	4381.6	3844.2
45°	180.4	212.0	227.1	237.2	252.3	314.1	648.5	3323.1	4698.3	4863.5	4322.3
47.5°	164.0	199.3	212.0	219.5	239.7	344.4	623.2	3484.6	5378.3	5721.4	5128.5
50°	148.9	188.0	201.9	200.6	237.2	383.5	651.0	3607.0	6400.2	6803.9	6233.7
52.5°	132.5	175.4	191.8	186.7	256.1	413.8	706.5	3704.1	7186.2	8073.1	7718.6
55°	118.6	161.5	176.6	175.4	291.4	436.5	749.4	3191.9	7511.7	9252.7	9391.5
57.5°	108.5	146.3	159.0	180.4	314.1	436.5	866.7	2265.9	7518.0	10120.7	11611.9
60°	99.7	132.5	141.3	198.1	305.3	413.8	857.9	1387.8	6928.8	10061.4	12792.8
62.5°	92.1	119.9	131.2	203.1	270.0	410.0	774.6	860.4	5909.4	9295.6	11936.2
65°	85.8	109.8	126.2	186.7	244.8	439.0	522.3	618.2	4792.9	8422.6	10953.4
67.5°	79.5	100.9	133.7	152.7	222.0	392.4	377.2	439.0	3762.1	7465.0	10051.3
70°	74.4	95.9	141.3	124.9	194.3	306.6	267.5	333.1	2880.3	6228.6	8780.9
72.5°	70.7	89.6	118.6	98.4	157.7	237.2	186.7	242.2	1882.3	4862.3	7158.4
75°	66.9	82.0	87.1	79.5	117.3	155.2	141.3	162.7	1121.6	3554.0	5431.3
77.5°	65.6	77.0	70.7	64.3	79.5	92.1	107.2	109.8	547.5	1777.6	2846.2
80°	58.0	69.4	60.6	53.0	54.2	60.6	79.5	73.2	124.9	451.7	759.5
82.5°	45.4	54.2	50.5	44.2	44.2	44.2	53.0	49.2	40.4	203.1	343.2
85°	31.5	37.8	37.8	35.3	34.1	34.1	32.8	31.5	11.4	12.6	18.9
87.5°	21.4	26.5	27.8	26.5	22.7	20.2	17.7	15.1	5.0	0.0	2.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6	552.6
2.5°	585.4	589.2	589.2	584.1	580.3	570.3	560.2	550.1	547.5	546.3
5°	585.4	600.5	608.1	606.8	598.0	581.6	560.2	537.4	531.1	528.6
7.5°	576.6	605.6	628.3	632.1	615.7	586.7	547.5	513.5	504.6	500.9
10°	596.7	653.5	698.9	705.2	686.3	629.5	566.5	508.4	494.6	485.7
12.5°	705.2	798.6	854.1	880.6	844.0	772.1	667.4	563.9	532.4	518.5
15°	924.8	1057.2	1163.2	1163.2	1129.1	1001.7	869.3	701.5	658.6	620.7
17.5°	1206.1	1372.6	1466.0	1455.9	1404.2	1314.6	1155.6	914.7	827.6	788.5
20°	1526.6	1626.2	1647.7	1641.4	1618.7	1566.9	1457.2	1198.5	1081.2	1020.6
22.5°	1804.1	1777.6	1746.1	1720.8	1714.5	1729.7	1714.5	1515.2	1423.1	1315.9
25°	1992.1	1842.0	1747.3	1701.9	1723.4	1810.4	1905.0	1830.6	1757.4	1646.4
27.5°	2094.3	1834.4	1698.1	1651.5	1688.0	1811.7	2017.3	2143.5	2067.8	2014.8
30°	2149.8	1828.1	1666.6	1621.2	1676.7	1831.9	2095.5	2436.2	2438.7	2354.2
32.5°	2229.3	1868.5	1672.9	1631.3	1705.7	1892.4	2194.0	2733.9	2807.1	2761.7
35°	2318.9	1930.3	1701.9	1664.1	1756.2	1973.2	2303.7	3034.2	3186.8	3171.7
37.5°	2403.4	1999.7	1770.1	1733.5	1833.1	2042.6	2409.7	3329.4	3541.4	3594.4
40°	2491.7	2096.8	1979.5	2014.8	2070.3	2152.3	2504.3	3585.5	3931.2	4010.7
42.5°	2699.9	2433.7	2612.8	2679.7	2687.2	2518.2	2711.2	3913.5	4314.7	4409.4
45°	3164.1	3032.9	3546.4	3641.0	3591.8	3079.6	3209.6	4386.6	4850.9	4898.9
47.5°	3750.8	3811.3	4824.4	5151.2	4856.0	3742.0	3813.9	5382.1	5832.5	5814.8
50°	4434.6	4721.0	6275.3	7046.1	6339.6	4602.4	4510.3	6605.8	7152.1	7097.9
52.5°	5243.3	5778.2	8018.8	9113.9	8445.3	5570.0	5532.2	8227.0	8560.1	8387.2
55°	6261.4	6798.9	10024.8	11555.2	10603.9	6750.9	6880.9	10106.8	10171.2	9622.4
57.5°	7780.4	8129.9	12389.1	14354.7	12857.2	8355.7	9298.1	12608.6	11839.0	10799.5
60°	10538.3	9841.9	14673.9	17218.6	15254.2	10612.7	12486.2	14091.0	12394.1	10960.9
62.5°	11498.4	11295.3	16104.6	18429.7	16866.6	12466.0	13315.1	13250.8	11675.0	10350.3
65°	10043.7	10933.2	15848.4	17790.1	16659.7	12160.7	11948.8	12323.5	10865.1	9423.0
67.5°	9277.9	10082.9	14878.3	16025.1	15512.9	11124.9	10650.6	10548.4	9121.5	7973.4
70°	8505.8	9303.2	13471.6	13614.1	13375.7	9436.9	8813.7	8128.6	6817.8	5819.8
72.5°	7577.3	8016.3	11519.8	10843.6	10573.6	7412.0	7280.8	6121.4	5110.8	4254.2
75°	6608.4	6480.9	8981.5	7442.3	7644.1	5766.9	6149.1	4495.1	3744.5	3061.9
77.5°	4806.8	4712.1	6015.4	4520.4	5006.1	3777.3	3393.8	1794.0	1708.2	1473.6
80°	2682.2	3233.5	3248.7	2533.3	3160.4	2462.7	849.1	59.3	37.8	55.5
82.5°	1246.5	1390.3	1761.2	1174.6	1802.9	1220.0	175.4	0.0	0.0	0.0
85°	403.7	590.4	494.6	172.8	436.5	412.5	29.0	0.0	0.0	0.0
87.5°	24.0	49.2	12.6	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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