

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: P629135

Luminaire Tested: GWS-SA1B-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629135
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1408.4 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

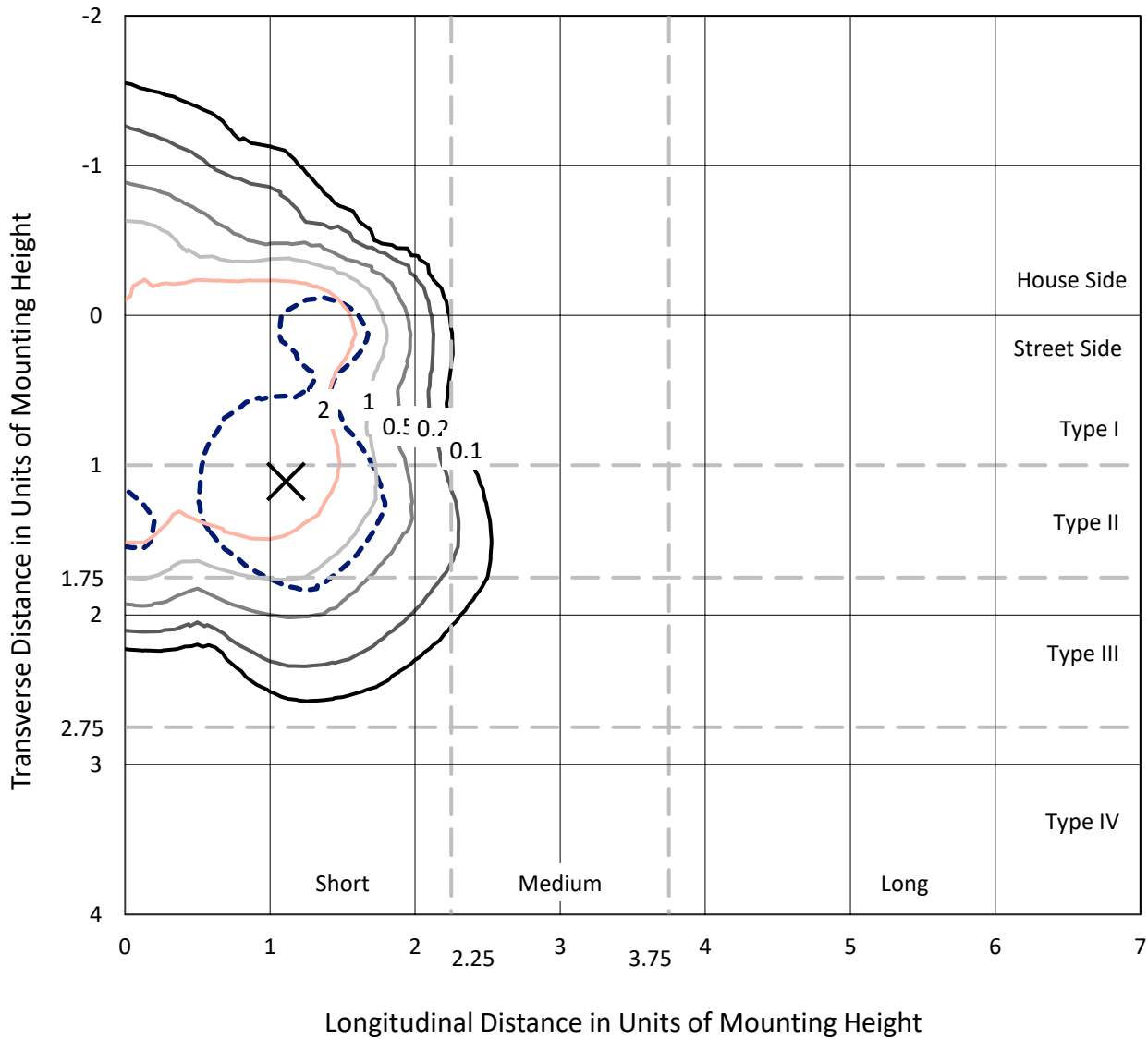
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

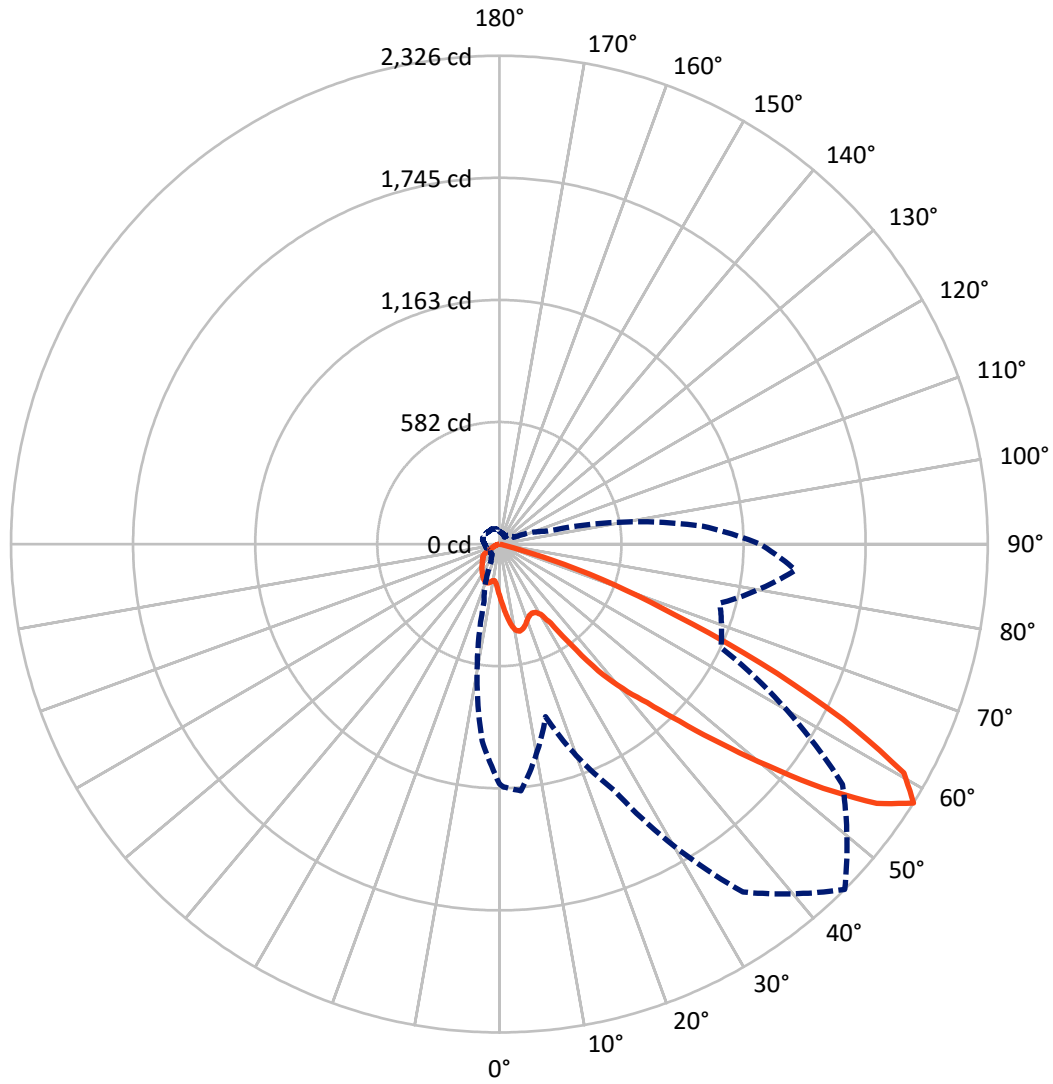
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 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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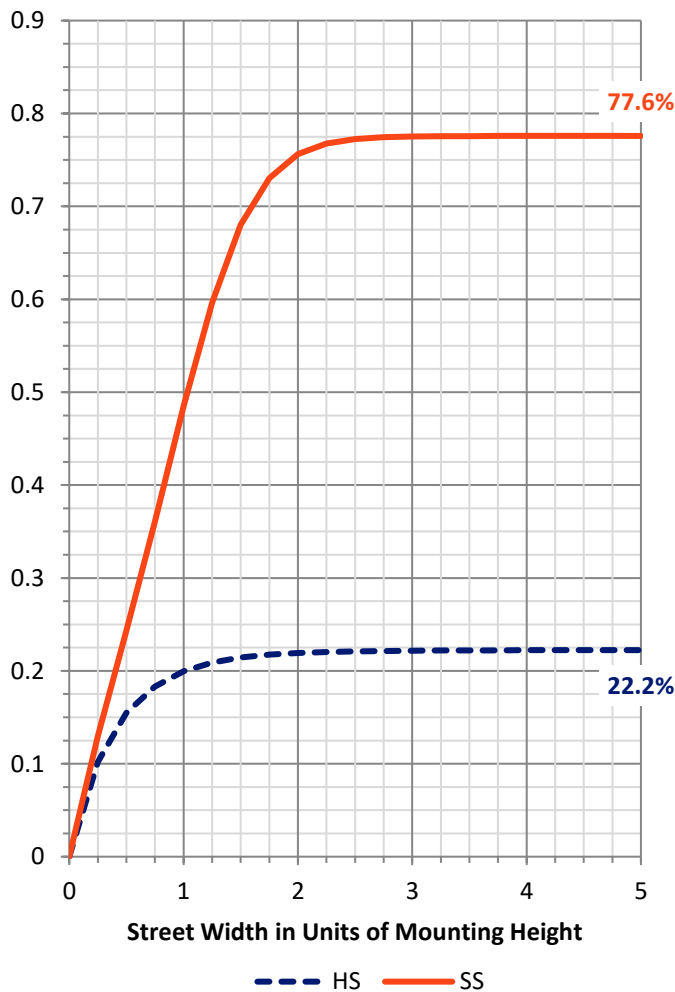
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	315.4	0.0	315.4
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1093.0	0.0	1093.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	1408.4	0.0	1408.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	1.7
10°-20°	78.8	5.6
20°-30°	128.0	9.1
30°-40°	197.7	14.0
40°-50°	317.1	22.5
50°-60°	433.3	30.8
60°-70°	209.9	14.9
70°-80°	19.2	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°	1408.4	100.0
0°-180°	1408.4	100.0

Coefficient of Utilization



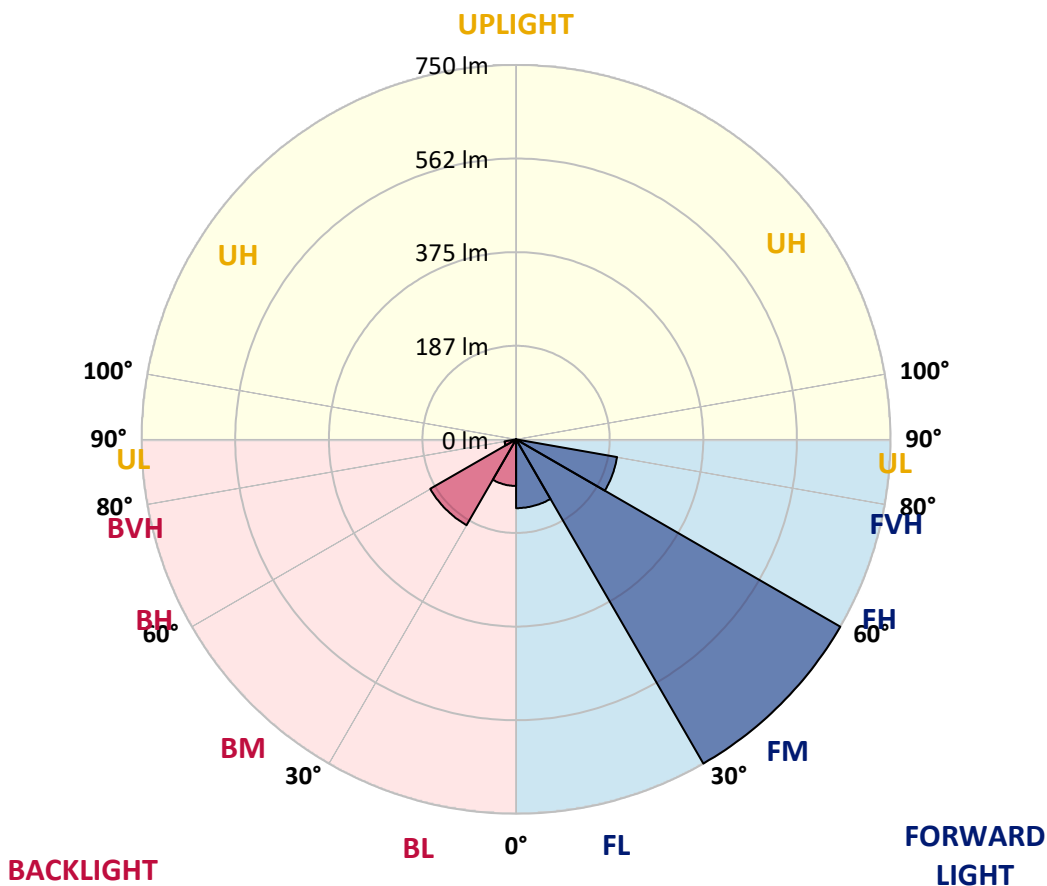
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.8	9.8			
FM (30°-60°)	749.7	53.2			
FH (60°-80°)	205.5	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	93.3	6.6	B0/110		
BM (30°-60°)	198.4	14.1	B0/220		
BH (60°-80°)	23.6	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: B0-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5
2.5°	268.2	269.9	272.7	278.8	283.9	287.3	288.8	288.4	286.3	284.8	281.8
5°	296.9	296.9	302.4	316.2	326.8	333.5	336.9	334.8	330.6	324.0	313.8
7.5°	322.1	323.1	332.3	352.0	368.1	377.6	383.0	381.9	374.5	361.8	341.4
10°	341.8	342.9	355.2	379.3	398.2	407.8	416.0	416.7	408.6	391.8	368.3
12.5°	360.9	362.0	374.9	398.0	414.7	418.6	425.8	428.7	426.6	414.7	390.2
15°	381.5	384.2	395.2	412.4	419.4	414.7	419.4	424.5	431.5	430.4	408.4
17.5°	401.8	403.7	414.8	420.9	413.1	400.8	403.1	409.2	425.1	440.6	426.4
20°	420.5	423.2	432.4	424.5	401.0	381.9	382.1	390.0	414.3	446.8	444.7
22.5°	440.2	444.2	450.8	428.5	389.9	367.0	367.9	375.1	405.8	452.7	465.6
25°	465.9	469.7	474.1	438.3	386.3	359.6	363.2	369.8	405.8	462.7	491.3
27.5°	500.8	503.4	503.6	456.7	392.5	360.7	368.3	375.9	417.9	482.8	525.7
30°	544.5	548.6	543.2	485.2	412.0	375.9	387.0	396.5	444.0	516.7	576.5
32.5°	597.7	603.5	596.1	527.6	452.7	428.1	448.3	453.8	485.6	565.7	634.0
35°	660.1	665.0	657.1	586.3	547.7	552.2	589.0	581.9	569.3	626.0	701.2
37.5°	728.6	733.2	717.8	675.3	688.1	707.8	766.5	742.4	701.6	703.8	774.0
40°	791.5	796.4	772.3	772.0	798.5	834.4	905.2	872.1	816.4	805.6	842.4
42.5°	856.6	860.0	838.2	823.4	883.6	957.6	1032.6	987.9	892.5	880.8	927.9
45°	949.5	956.7	917.9	848.8	960.3	1099.4	1203.8	1116.6	944.4	934.9	1058.9
47.5°	1086.1	1091.4	1012.3	864.7	1031.6	1275.9	1417.9	1283.5	990.0	968.4	1237.9
50°	1199.1	1202.7	1099.2	882.1	1107.5	1466.3	1661.8	1481.5	1041.3	1023.9	1405.0
52.5°	1282.4	1296.0	1213.3	917.9	1207.2	1690.2	1931.9	1715.9	1121.3	1131.0	1543.5
55°	1299.6	1318.1	1291.3	939.8	1295.1	1918.3	2181.3	1925.8	1201.2	1212.2	1590.1
57.5°	1142.1	1156.9	1179.2	851.3	1293.0	2022.7	2326.1	1995.5	1164.8	1087.1	1415.8
60°	855.6	865.8	906.3	650.6	1189.1	1930.4	2213.3	1877.0	1018.6	829.5	1078.7
62.5°	507.4	511.9	563.2	421.5	986.9	1662.4	1835.6	1619.6	804.9	557.9	660.7
65°	194.7	192.8	232.0	208.0	725.8	1324.2	1365.3	1234.7	552.2	255.7	251.9
67.5°	30.1	28.8	38.8	61.5	523.5	917.7	900.8	889.9	346.0	59.6	52.0
70°	6.8	6.8	8.3	18.2	319.8	539.2	577.0	550.2	221.4	12.7	6.8
72.5°	3.2	3.2	4.0	7.8	115.8	222.2	258.9	254.9	71.9	4.2	2.5
75°	1.1	1.3	1.3	1.7	7.0	11.5	26.5	18.9	4.5	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.2	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°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5
2.5°	275.2	273.8	268.9	262.3	255.9	250.2	244.3	237.3	232.2	226.3	224.5
5°	305.8	297.5	284.1	270.1	257.2	246.2	235.6	224.3	215.9	207.6	204.8
7.5°	331.8	319.5	297.7	276.7	259.1	243.6	228.2	212.7	200.6	190.8	187.7
10°	355.0	340.8	311.7	285.8	263.6	245.6	227.1	207.6	191.9	180.2	177.3
12.5°	375.1	358.6	323.6	292.6	265.5	244.9	226.9	211.4	197.2	183.8	180.2
15°	391.9	373.8	333.7	297.1	262.7	235.4	219.7	217.3	216.1	201.4	194.4
17.5°	408.4	388.0	341.8	299.2	254.7	218.8	207.4	218.6	230.5	220.9	212.0
20°	425.6	402.3	350.1	299.6	241.5	200.0	198.1	215.7	230.9	227.9	219.5
22.5°	445.9	420.3	360.5	299.4	224.8	184.1	191.3	210.3	222.6	222.4	215.7
25°	475.2	443.0	374.5	300.5	206.7	171.8	183.8	201.0	211.0	210.6	205.1
27.5°	506.6	470.1	392.7	303.4	191.1	164.6	174.9	188.3	197.0	196.6	191.9
30°	550.7	501.3	410.1	303.6	180.0	160.9	165.0	174.3	182.6	181.7	178.1
32.5°	604.3	536.5	424.7	292.8	173.0	157.3	154.8	159.5	166.0	164.6	163.7
35°	669.0	578.4	437.2	269.1	162.2	150.1	143.5	144.4	148.9	149.7	149.3
37.5°	742.8	628.1	452.7	237.9	147.6	139.7	130.8	130.0	132.7	135.1	137.0
40°	815.7	684.1	473.7	206.3	134.4	126.4	117.9	116.0	117.1	121.5	125.5
42.5°	897.6	749.1	496.4	179.2	125.3	111.8	103.7	100.1	103.3	110.3	115.1
45°	1015.7	840.1	518.6	157.6	121.5	99.0	88.0	87.6	91.2	100.3	105.6
47.5°	1181.5	957.8	533.1	140.8	121.3	88.9	75.9	78.2	82.3	91.2	97.3
50°	1343.1	1105.2	517.0	127.9	117.3	82.3	66.8	71.3	75.5	83.3	89.5
52.5°	1440.6	1184.5	454.4	115.8	105.0	79.3	57.9	65.9	66.6	73.6	80.2
55°	1430.4	1133.2	348.0	97.1	86.9	74.9	48.6	59.4	59.8	65.1	70.8
57.5°	1241.5	972.9	239.0	78.7	65.3	61.9	40.1	50.2	53.7	57.0	61.1
60°	925.3	709.9	106.5	64.0	41.4	41.8	34.3	37.9	43.3	47.1	50.7
62.5°	545.2	408.4	43.3	38.4	22.9	26.3	27.6	27.6	31.0	33.9	36.1
65°	206.1	142.9	17.6	19.3	11.9	12.3	16.3	20.1	22.7	25.2	28.2
67.5°	36.1	25.0	9.1	7.2	7.0	6.2	8.3	13.1	14.6	16.5	17.8
70°	6.1	5.1	3.8	3.6	3.2	3.4	5.5	9.3	10.2	10.8	11.4
72.5°	1.7	1.5	1.1	0.9	0.8	0.9	3.4	7.2	7.6	7.9	8.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.1	5.5	5.7	6.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.5	1.9	1.5
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°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5
2.5°	223.3	219.5	217.5	216.3	216.3	214.8	213.1	212.5	215.0	215.0	219.2
5°	201.2	198.1	194.7	192.7	189.4	190.0	188.1	187.9	190.4	191.5	195.9
7.5°	185.8	182.1	180.0	178.7	177.0	176.2	174.5	173.9	175.2	177.1	181.3
10°	175.6	175.1	174.9	175.8	175.8	174.9	173.4	172.4	172.8	176.4	181.1
12.5°	178.3	179.4	179.8	181.3	182.1	181.3	180.2	180.5	183.0	189.6	196.6
15°	189.8	188.9	188.5	189.3	189.8	189.1	188.7	191.5	200.0	209.5	217.5
17.5°	202.1	196.1	193.4	193.4	193.8	193.4	193.8	199.3	213.1	222.6	228.4
20°	208.4	197.2	193.0	192.1	192.8	193.0	194.4	200.6	215.7	222.4	223.7
22.5°	206.5	192.5	187.7	187.0	187.7	188.5	189.8	195.1	209.3	212.7	212.2
25°	197.0	183.2	179.4	179.4	181.1	180.9	181.5	185.3	197.0	199.1	198.1
27.5°	185.1	172.0	168.8	170.7	172.2	171.8	172.0	175.2	184.0	184.5	183.6
30°	173.0	161.6	158.6	160.9	162.9	162.6	162.8	166.0	171.5	170.9	169.6
32.5°	160.7	152.3	150.1	151.4	154.6	154.2	155.0	158.4	160.5	158.0	156.5
35°	149.3	145.0	143.3	144.0	146.5	147.0	148.4	150.6	150.6	147.6	145.0
37.5°	138.7	138.2	137.0	136.1	138.3	140.0	141.9	144.6	140.8	136.5	134.0
40°	128.9	131.3	129.8	127.4	128.7	131.2	134.9	137.0	132.5	128.1	124.0
42.5°	119.8	124.0	123.4	120.4	121.5	123.8	128.1	129.8	124.5	119.6	115.6
45°	111.1	117.0	117.3	113.6	114.7	117.0	122.1	122.6	115.8	110.5	107.7
47.5°	103.5	110.0	110.1	107.3	107.7	110.9	115.6	115.8	108.1	103.1	99.5
50°	96.3	103.7	104.3	101.8	102.2	106.0	110.0	109.2	100.9	95.8	92.5
52.5°	87.6	97.7	99.0	97.8	99.4	102.4	104.8	102.2	92.5	87.4	84.6
55°	78.2	91.2	94.1	93.3	95.0	97.5	98.0	96.3	84.2	79.1	76.5
57.5°	67.2	75.1	80.1	78.5	79.9	82.3	84.0	82.7	73.6	69.6	67.4
60°	55.6	60.9	62.1	59.6	58.5	62.8	66.8	65.1	57.3	54.9	52.2
62.5°	40.7	46.7	47.5	44.3	43.0	47.7	51.1	49.4	40.9	38.2	36.1
65°	32.6	38.2	39.7	36.7	36.0	39.6	41.6	37.5	31.4	28.6	26.3
67.5°	21.4	25.9	29.9	29.7	28.2	29.3	27.8	24.4	20.1	18.5	17.0
70°	13.2	15.9	18.4	19.3	19.1	18.7	16.7	14.2	12.9	12.3	11.5
72.5°	10.2	12.9	14.8	15.3	15.5	15.0	13.2	11.0	9.7	8.9	8.3
75°	7.6	9.7	11.2	11.9	12.3	11.9	10.2	8.7	7.4	6.8	6.2
77.5°	2.6	3.2	4.0	4.4	4.2	4.0	3.6	3.6	2.8	2.6	2.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5	247.5
2.5°	223.9	227.3	233.5	239.2	245.3	251.5	258.3	265.3	268.5	268.2
5°	202.5	209.9	220.1	231.3	243.8	257.2	272.1	287.5	294.1	296.9
7.5°	189.1	199.5	212.9	227.1	243.6	262.7	285.2	309.2	318.9	322.1
10°	190.8	202.9	214.0	227.9	245.5	270.3	298.3	326.8	338.2	341.8
12.5°	204.6	207.2	210.3	221.6	243.8	275.9	310.2	344.2	357.3	360.9
15°	217.1	204.8	199.1	209.5	237.7	279.9	322.3	363.0	377.4	381.5
17.5°	217.6	199.1	186.4	194.6	227.9	281.6	334.2	382.1	397.8	401.8
20°	210.6	192.8	176.6	176.8	214.4	281.2	344.1	399.3	416.9	420.5
22.5°	200.4	185.5	168.6	162.8	200.0	280.5	354.8	417.7	436.8	440.2
25°	189.1	176.0	161.1	152.2	185.7	281.2	370.0	441.7	462.7	465.9
27.5°	176.8	165.6	155.2	148.0	173.5	284.1	388.2	472.4	497.4	500.8
30°	163.9	155.6	151.4	147.0	166.0	284.8	407.8	508.1	539.7	544.5
32.5°	151.2	146.7	146.9	147.6	158.8	279.5	425.8	547.9	590.1	597.7
35°	139.5	138.2	141.9	145.7	148.4	265.9	441.5	594.8	652.4	660.1
37.5°	129.4	130.6	135.3	139.1	137.0	246.6	462.3	653.5	722.0	728.6
40°	119.8	122.6	128.1	129.8	128.3	224.1	487.3	710.1	782.4	791.5
42.5°	110.9	113.0	120.7	121.1	125.9	201.2	511.4	771.0	851.8	856.6
45°	103.7	103.3	111.3	113.7	129.1	175.8	534.8	852.2	942.7	949.5
47.5°	96.7	96.3	98.2	109.4	130.4	152.3	558.1	971.1	1074.4	1086.1
50°	90.1	90.7	84.8	107.3	123.2	134.4	568.7	1081.0	1194.2	1199.1
52.5°	84.2	82.1	71.9	100.5	107.9	117.3	538.6	1131.0	1268.4	1282.4
55°	75.9	64.3	59.2	81.6	85.2	102.4	441.1	1102.0	1274.8	1299.6
57.5°	64.9	50.5	50.3	60.2	60.2	95.0	282.6	941.5	1098.6	1142.1
60°	50.0	39.2	41.6	41.8	38.6	69.3	158.6	682.1	812.3	855.6
62.5°	35.6	29.9	31.4	25.0	22.1	34.6	76.1	392.7	501.3	507.4
65°	23.8	20.2	16.5	13.8	13.6	14.8	31.4	141.9	172.6	194.7
67.5°	15.7	12.3	8.7	8.7	9.8	9.8	11.9	23.5	32.9	30.1
70°	10.2	8.5	5.5	5.3	6.4	6.4	6.1	6.4	6.8	6.8
72.5°	7.6	6.4	3.2	2.8	3.6	3.8	3.4	3.2	3.2	3.2
75°	5.7	4.5	1.9	1.3	1.7	2.3	1.9	1.3	1.3	1.1
77.5°	2.3	1.7	0.8	0.6	0.9	1.3	1.1	0.6	0.4	0.4
80°	0.2	0.4	0.4	0.4	0.6	0.8	0.9	0.4	0.2	0.2
82.5°	0.0	0.2	0.2	0.2	0.4	0.6	0.8	0.4	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.4	0.6	0.4	0.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.2	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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