

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: P631386

Luminaire Tested: GWS-SA1F-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631386
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-SA1F-750-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5217.9 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

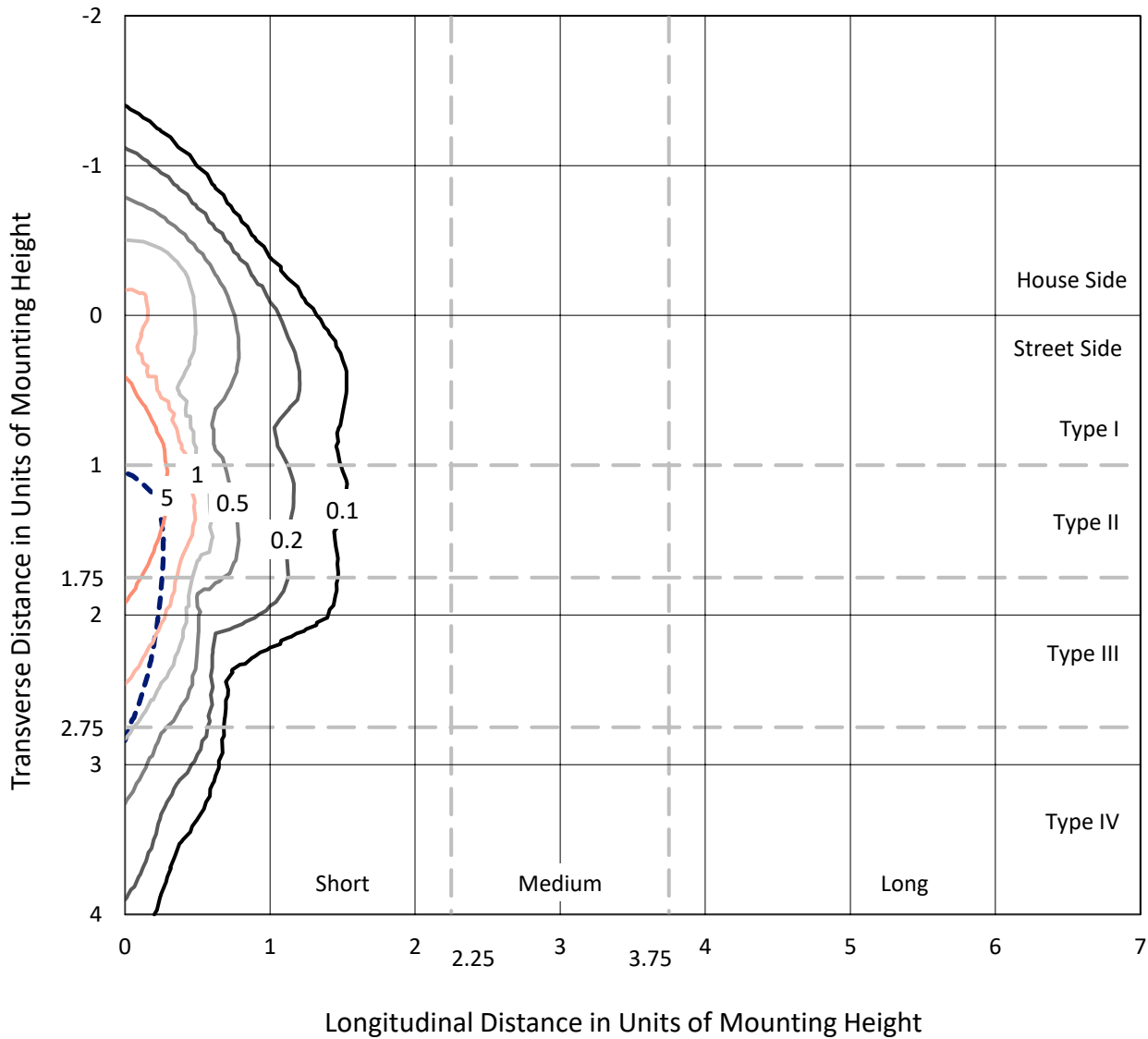
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

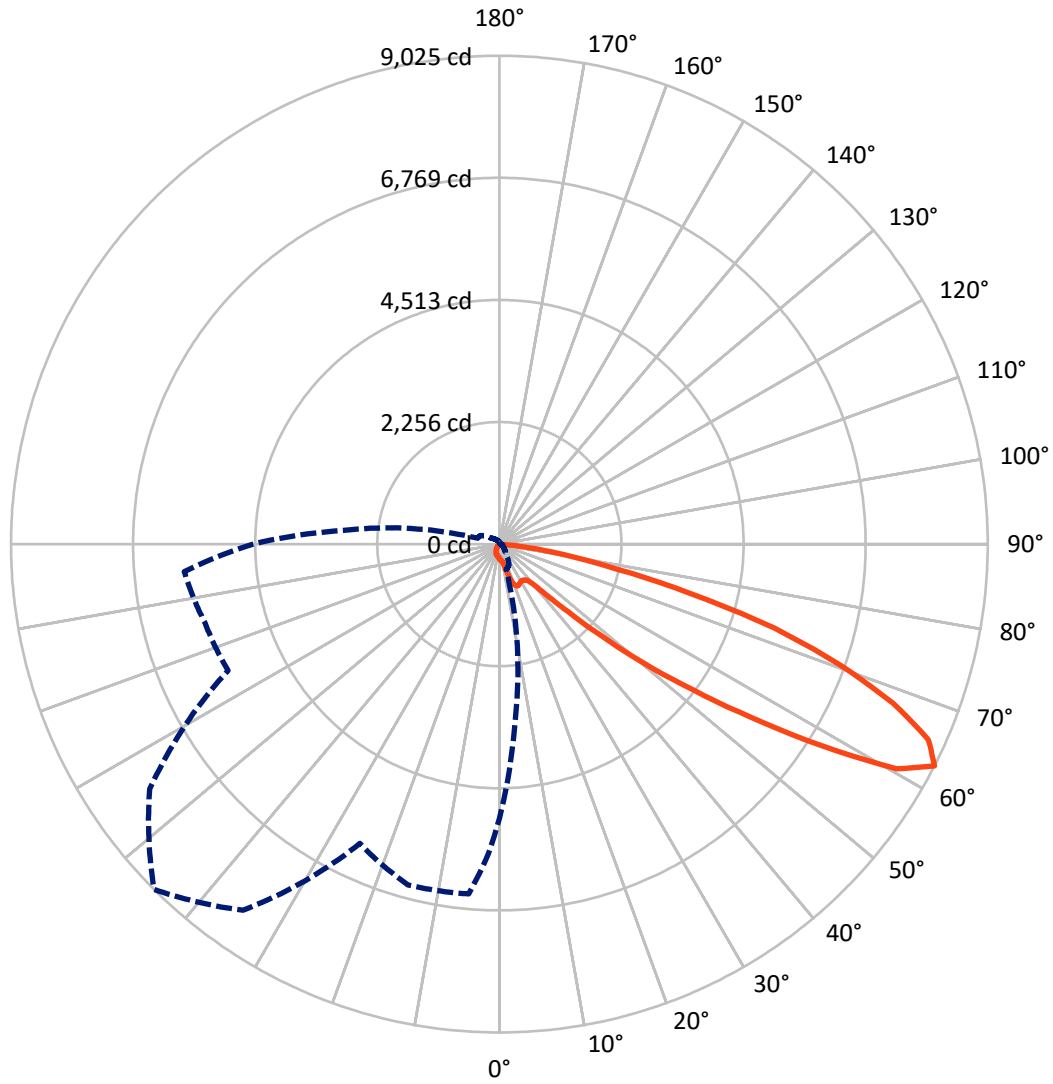
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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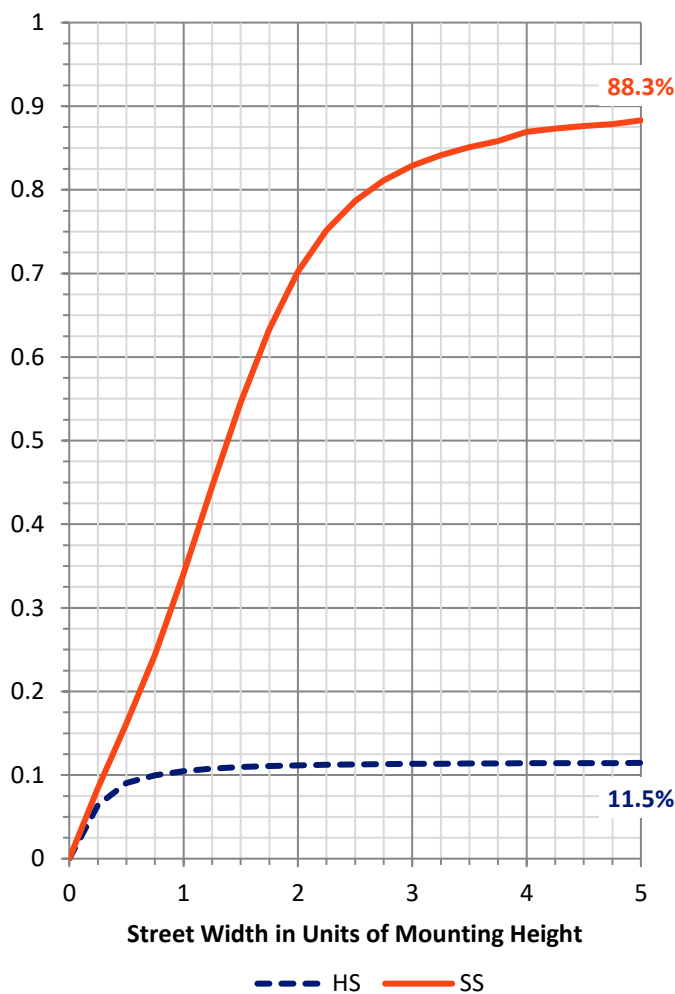
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.3	0.0	606.3
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	4611.6	0.0	4611.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	5217.9	0.0	5217.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.4
10°-20°	80.1	1.5
20°-30°	180.9	3.5
30°-40°	311.7	6.0
40°-50°	588.0	11.3
50°-60°	1312.9	25.2
60°-70°	1755.9	33.7
70°-80°	880.6	16.9
80°-90°	84.4	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°	5217.9	100.0
0°-180°	5217.9	100.0

Coefficient of Utilization

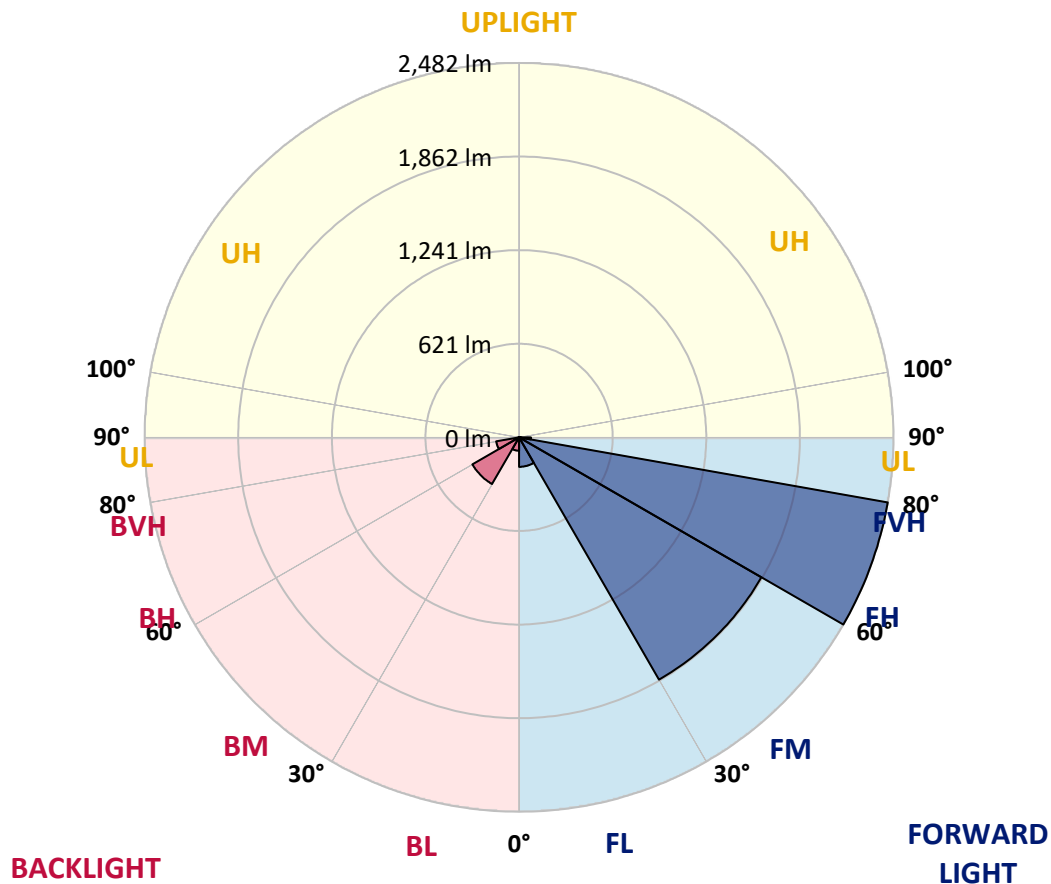


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.4	3.7			
FM (30°-60°)	1855.1	35.6			
FH (60°-80°)	2482.3	47.6			G2/5000
FVH (80°-90°)	78.8	1.5			G1/100
BL (0°-30°)	89.0	1.7	B0/110		
BM (30°-60°)	357.5	6.9	B1/1000		
BH (60°-80°)	154.2	3.0	B1/500		G1/500
BVH (80°-90°)	5.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5°	267.5	266.9	265.7	262.0	258.9	257.0	253.3	253.3	252.7	251.5	249.0
5°	258.9	256.4	253.9	247.1	239.7	235.4	230.4	229.8	229.8	228.6	228.0
7.5°	245.3	242.8	239.7	228.6	221.8	217.5	213.1	212.5	210.7	210.7	210.7
10°	237.9	234.2	229.2	216.9	210.1	206.4	203.3	201.4	200.2	198.3	197.7
12.5°	253.9	247.1	236.6	214.4	205.1	200.2	196.5	195.2	191.5	189.1	187.2
15°	304.0	287.3	266.3	219.9	203.3	195.9	190.9	188.4	185.3	181.0	177.9
17.5°	386.1	362.0	326.8	237.9	201.4	192.1	186.0	181.6	177.3	172.4	168.7
20°	499.8	464.0	422.0	270.6	201.4	187.8	180.4	174.8	168.7	163.1	158.8
22.5°	644.4	608.6	536.9	326.2	203.9	182.3	173.6	166.2	158.8	153.8	148.9
25°	806.3	755.6	688.9	393.6	210.7	174.8	165.6	158.2	151.4	145.2	139.6
27.5°	986.7	931.7	842.7	489.3	225.5	167.4	156.9	150.1	144.0	137.8	130.4
30°	1152.9	1120.1	1029.3	604.2	249.6	162.5	150.1	144.0	137.8	129.7	122.9
32.5°	1352.4	1294.3	1219.6	735.2	281.7	157.5	144.6	135.9	131.0	123.6	116.2
35°	1553.2	1503.8	1405.6	896.5	317.6	152.6	137.8	129.7	125.4	116.8	108.7
37.5°	1760.2	1749.1	1652.1	1075.0	352.8	147.0	129.7	124.8	120.5	110.6	101.3
40°	1964.1	1943.7	1854.1	1278.9	374.4	140.9	122.9	119.9	114.9	103.8	93.3
42.5°	2159.3	2143.9	2056.7	1474.1	371.3	135.3	116.2	112.4	108.7	97.6	84.6
45°	2399.0	2373.7	2263.7	1618.7	339.8	141.5	109.4	103.2	102.6	92.1	76.0
47.5°	2847.6	2764.2	2577.6	1729.9	308.3	157.5	101.9	94.5	98.9	86.5	67.3
50°	3475.9	3377.7	3107.7	1816.4	307.7	178.6	100.7	86.5	95.8	82.2	59.9
52.5°	4107.3	3934.3	3606.3	1862.7	330.5	194.0	111.8	78.5	92.1	77.8	54.4
55°	4712.2	4353.2	3815.1	1709.5	348.5	210.7	132.2	74.1	85.3	72.9	51.3
57.5°	5288.6	4689.9	3905.9	1352.4	408.4	217.5	144.6	76.0	75.4	66.7	48.8
60°	5367.7	4673.9	3722.4	786.5	450.4	205.7	139.6	84.6	66.1	59.3	44.5
62.5°	5068.6	4363.1	3304.1	490.6	418.3	201.4	124.2	96.4	59.9	52.5	38.9
65°	4614.5	3875.6	2754.9	316.3	316.9	223.7	108.7	94.5	56.2	46.3	33.4
67.5°	3904.7	3243.6	2170.4	211.9	179.2	190.9	95.1	64.9	55.0	39.5	25.9
70°	2850.0	2308.8	1413.0	141.5	106.9	152.6	79.7	46.3	51.9	32.7	18.5
72.5°	2083.3	1551.4	789.0	92.7	60.5	89.0	58.7	33.4	40.2	24.1	13.0
75°	1499.5	1067.6	450.4	59.3	40.2	48.8	38.3	22.9	25.9	19.2	11.7
77.5°	721.6	520.2	204.5	32.7	27.2	24.7	20.4	14.2	16.1	17.3	10.5
80°	27.2	20.4	15.4	16.1	17.3	11.1	9.3	7.4	9.3	11.7	5.6
82.5°	0.0	0.0	0.0	1.9	2.5	3.1	3.7	3.1	3.7	4.3	0.6
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°	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5°	250.8	249.6	250.8	252.1	253.3	254.5	252.7	253.9	255.2	252.1	253.3
5°	231.1	230.4	234.2	236.0	238.5	239.7	238.5	238.5	237.9	234.2	234.2
7.5°	213.8	214.4	217.5	221.8	224.9	226.7	225.5	224.9	223.0	217.5	217.5
10°	200.8	200.8	205.7	209.4	213.8	215.6	214.4	212.5	210.7	205.1	204.5
12.5°	190.3	190.3	194.0	200.2	205.1	207.6	207.0	204.5	201.4	195.9	195.2
15°	180.4	179.8	185.3	190.9	197.7	200.8	199.6	197.7	192.1	187.2	186.0
17.5°	170.5	169.9	174.8	182.3	189.7	194.0	193.4	189.1	184.1	177.9	176.7
20°	160.6	159.4	165.6	173.0	180.4	184.7	183.5	179.8	173.6	167.4	166.2
22.5°	150.7	150.1	154.5	160.6	167.4	171.1	170.5	167.4	161.3	155.7	155.7
25°	139.6	139.6	142.7	147.0	152.0	153.8	154.5	153.2	149.5	146.4	146.4
27.5°	130.4	128.5	129.7	131.0	133.5	136.5	136.5	137.8	138.4	137.2	137.8
30°	122.9	119.9	118.0	115.5	114.3	115.5	116.8	121.1	125.4	127.9	129.1
32.5°	114.3	110.6	105.6	98.9	94.5	93.3	97.0	105.0	113.1	118.6	121.7
35°	105.6	100.7	91.4	81.6	76.0	74.1	78.5	87.7	99.5	109.4	113.7
37.5°	97.0	90.2	77.2	65.5	59.3	58.1	62.4	72.3	85.9	99.5	105.0
40°	87.1	79.1	63.6	51.3	46.3	45.1	48.8	58.7	72.9	88.3	97.0
42.5°	77.2	67.3	51.3	40.8	35.8	35.8	40.8	48.2	61.2	77.8	88.3
45°	67.3	56.8	42.0	32.7	29.7	30.3	33.4	40.8	51.3	68.6	78.5
47.5°	58.1	48.8	34.6	27.2	24.7	25.3	29.0	35.2	43.9	59.3	69.8
50°	50.0	41.4	30.3	22.9	21.0	22.2	25.9	31.5	38.9	52.5	61.2
52.5°	45.1	37.1	27.8	19.8	18.5	19.8	23.5	28.4	35.2	46.3	55.0
55°	42.6	36.5	27.8	17.9	16.1	17.3	21.0	25.9	31.5	42.0	49.4
57.5°	42.0	37.7	29.7	16.1	13.6	14.8	18.5	23.5	29.0	38.3	44.5
60°	39.5	35.8	29.0	13.0	10.5	12.4	15.4	20.4	26.6	35.8	41.4
62.5°	34.6	31.5	25.3	10.5	8.0	9.3	13.0	17.9	24.1	32.7	38.9
65°	28.4	25.3	19.8	6.8	4.9	6.2	9.9	15.4	21.0	29.7	35.2
67.5°	21.0	17.9	13.6	4.3	2.5	4.3	8.0	13.0	19.2	26.6	32.1
70°	13.0	10.5	7.4	2.5	1.9	3.7	7.4	12.4	17.3	24.7	30.3
72.5°	7.4	4.9	3.1	1.2	1.9	3.7	7.4	12.4	16.7	23.5	28.4
75°	5.6	3.1	1.2	0.6	1.2	3.1	6.8	11.1	16.1	22.2	27.2
77.5°	3.7	1.9	0.6	0.0	0.6	2.5	6.2	10.5	14.8	21.0	25.9
80°	0.6	0.0	0.0	0.0	0.0	1.9	5.6	9.3	13.6	18.5	22.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	4.3	8.0	11.7	15.4	18.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2	9.3	11.7	13.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.2	7.4	8.6
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°	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5°	252.7	256.4	256.4	258.9	262.0	267.5	270.6	274.9	278.0	281.1	282.3
5°	233.5	234.2	234.8	236.0	239.7	245.9	251.5	258.3	266.3	272.5	276.2
7.5°	217.5	217.5	217.5	219.3	223.0	227.4	232.9	242.2	251.5	258.9	265.0
10°	203.9	205.7	206.4	209.4	213.8	219.3	225.5	233.5	244.0	253.9	265.0
12.5°	195.2	197.1	200.2	203.3	207.6	213.8	220.6	231.1	252.7	273.1	296.6
15°	187.2	189.7	193.4	197.7	202.6	209.4	216.9	238.5	289.1	327.4	364.5
17.5°	178.6	182.3	187.2	191.5	197.7	205.1	214.4	256.4	355.9	419.5	482.5
20°	167.4	172.4	177.9	184.7	192.1	200.8	214.4	293.5	452.2	543.7	627.1
22.5°	156.9	161.9	168.7	177.3	186.0	194.6	217.5	349.7	576.4	692.0	797.6
25°	148.3	154.5	161.3	168.7	178.6	188.4	224.9	428.8	725.9	874.8	949.6
27.5°	140.2	147.7	154.5	160.6	169.3	180.4	241.6	534.4	902.6	1054.0	1112.7
30°	132.2	140.9	147.7	153.8	162.5	174.2	266.9	669.1	1099.1	1246.2	1252.3
32.5°	125.4	133.5	141.5	147.7	155.7	169.3	302.1	826.7	1300.5	1442.6	1384.5
35°	118.0	127.3	134.7	141.5	150.1	165.0	342.9	996.6	1503.8	1623.0	1516.1
37.5°	110.6	121.1	130.4	135.3	144.0	160.6	372.5	1173.9	1711.4	1799.1	1631.7
40°	103.8	115.5	126.0	131.0	135.3	155.1	376.9	1355.5	1922.1	1972.7	1740.4
42.5°	96.4	109.4	118.6	125.4	129.1	151.4	350.9	1508.7	2098.8	2145.7	1882.5
45°	88.3	103.8	111.2	116.2	123.6	153.8	317.6	1627.4	2300.8	2381.7	2116.7
47.5°	80.3	97.6	103.8	107.5	117.4	168.7	305.2	1706.4	2633.8	2801.8	2511.5
50°	72.9	92.1	98.9	98.2	116.2	187.8	318.8	1766.4	3134.2	3331.9	3052.7
52.5°	64.9	85.9	93.9	91.4	125.4	202.6	346.0	1813.9	3519.1	3953.5	3779.9
55°	58.1	79.1	86.5	85.9	142.7	213.8	367.0	1563.1	3678.5	4531.1	4599.1
57.5°	53.1	71.7	77.8	88.3	153.8	213.8	424.4	1109.6	3681.6	4956.2	5686.5
60°	48.8	64.9	69.2	97.0	149.5	202.6	420.1	679.6	3393.1	4927.2	6264.8
62.5°	45.1	58.7	64.3	99.5	132.2	200.8	379.3	421.4	2893.9	4552.1	5845.3
65°	42.0	53.8	61.8	91.4	119.9	215.0	255.8	302.7	2347.1	4124.6	5364.0
67.5°	38.9	49.4	65.5	74.8	108.7	192.1	184.7	215.0	1842.4	3655.7	4922.2
70°	36.5	47.0	69.2	61.2	95.1	150.1	131.0	163.1	1410.5	3050.2	4300.1
72.5°	34.6	43.9	58.1	48.2	77.2	116.2	91.4	118.6	921.8	2381.1	3505.5
75°	32.7	40.2	42.6	38.9	57.5	76.0	69.2	79.7	549.2	1740.4	2659.7
77.5°	32.1	37.7	34.6	31.5	38.9	45.1	52.5	53.8	268.1	870.5	1393.8
80°	28.4	34.0	29.7	25.9	26.6	29.7	38.9	35.8	61.2	221.2	371.9
82.5°	22.2	26.6	24.7	21.6	21.6	21.6	25.9	24.1	19.8	99.5	168.0
85°	15.4	18.5	18.5	17.3	16.7	16.7	16.1	15.4	5.6	6.2	9.3
87.5°	10.5	13.0	13.6	13.0	11.1	9.9	8.6	7.4	2.5	0.0	1.2
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°	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5°	286.7	288.5	288.5	286.1	284.2	279.3	274.3	269.4	268.1	267.5
5°	286.7	294.1	297.8	297.2	292.8	284.8	274.3	263.2	260.1	258.9
7.5°	282.3	296.6	307.7	309.5	301.5	287.3	268.1	251.5	247.1	245.3
10°	292.2	320.0	342.3	345.4	336.1	308.3	277.4	249.0	242.2	237.9
12.5°	345.4	391.1	418.3	431.2	413.3	378.1	326.8	276.2	260.7	253.9
15°	452.9	517.7	569.6	569.6	553.0	490.6	425.7	343.5	322.5	304.0
17.5°	590.6	672.2	717.9	713.0	687.6	643.8	565.9	447.9	405.3	386.1
20°	747.6	796.4	806.9	803.8	792.7	767.3	713.6	586.9	529.5	499.8
22.5°	883.5	870.5	855.1	842.7	839.6	847.0	839.6	742.0	696.9	644.4
25°	975.5	902.0	855.7	833.4	844.0	886.6	932.9	896.5	860.6	806.3
27.5°	1025.6	898.3	831.6	808.7	826.7	887.2	987.9	1049.7	1012.6	986.7
30°	1052.8	895.2	816.1	793.9	821.1	897.1	1026.2	1193.0	1194.3	1152.9
32.5°	1091.7	915.0	819.2	798.8	835.3	926.7	1074.4	1338.8	1374.7	1352.4
35°	1135.6	945.3	833.4	814.9	860.0	966.3	1128.2	1485.9	1560.6	1553.2
37.5°	1177.0	979.3	866.8	848.9	897.7	1000.3	1180.0	1630.4	1734.2	1760.2
40°	1220.2	1026.8	969.4	986.7	1013.9	1054.0	1226.4	1755.9	1925.1	1964.1
42.5°	1322.1	1191.8	1279.5	1312.3	1316.0	1233.2	1327.7	1916.5	2113.0	2159.3
45°	1549.5	1485.3	1736.7	1783.0	1759.0	1508.1	1571.7	2148.2	2375.5	2399.0
47.5°	1836.8	1866.5	2362.6	2522.6	2378.0	1832.5	1867.7	2635.6	2856.2	2847.6
50°	2171.7	2311.9	3073.1	3450.6	3104.6	2253.8	2208.7	3234.9	3502.5	3475.9
52.5°	2567.7	2829.6	3926.9	4463.2	4135.7	2727.7	2709.2	4028.8	4191.9	4107.3
55°	3066.3	3329.5	4909.2	5658.7	5192.8	3306.0	3369.6	4949.4	4980.9	4712.2
57.5°	3810.1	3981.3	6067.1	7029.6	6296.3	4091.9	4553.4	6174.6	5797.7	5288.6
60°	5160.7	4819.7	7185.9	8432.1	7470.1	5197.2	6114.6	6900.5	6069.5	5367.7
62.5°	5630.9	5531.4	7886.5	9025.2	8259.7	6104.7	6520.5	6489.0	5717.4	5068.6
65°	4918.5	5354.1	7761.1	8712.0	8158.4	5955.2	5851.4	6034.9	5320.7	4614.5
67.5°	4543.5	4937.7	7286.0	7847.6	7596.8	5448.0	5215.7	5165.6	4466.9	3904.7
70°	4165.4	4555.8	6597.1	6667.0	6550.2	4621.3	4316.1	3980.7	3338.7	2850.0
72.5°	3710.7	3925.7	5641.4	5310.2	5178.0	3629.7	3565.5	2997.7	2502.8	2083.3
75°	3236.2	3173.8	4398.3	3644.6	3743.4	2824.1	3011.3	2201.3	1833.7	1499.5
77.5°	2353.9	2307.6	2945.8	2213.7	2451.5	1849.8	1662.0	878.5	836.5	721.6
80°	1313.5	1583.5	1590.9	1240.6	1547.7	1206.0	415.8	29.0	18.5	27.2
82.5°	610.4	680.8	862.5	575.2	882.9	597.4	85.9	0.0	0.0	0.0
85°	197.7	289.1	242.2	84.6	213.8	202.0	14.2	0.0	0.0	0.0
87.5°	11.7	24.1	6.2	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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