

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: P629901

Luminaire Tested: GWS-SA1C-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629901
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-SA1C-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: 2976.9 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

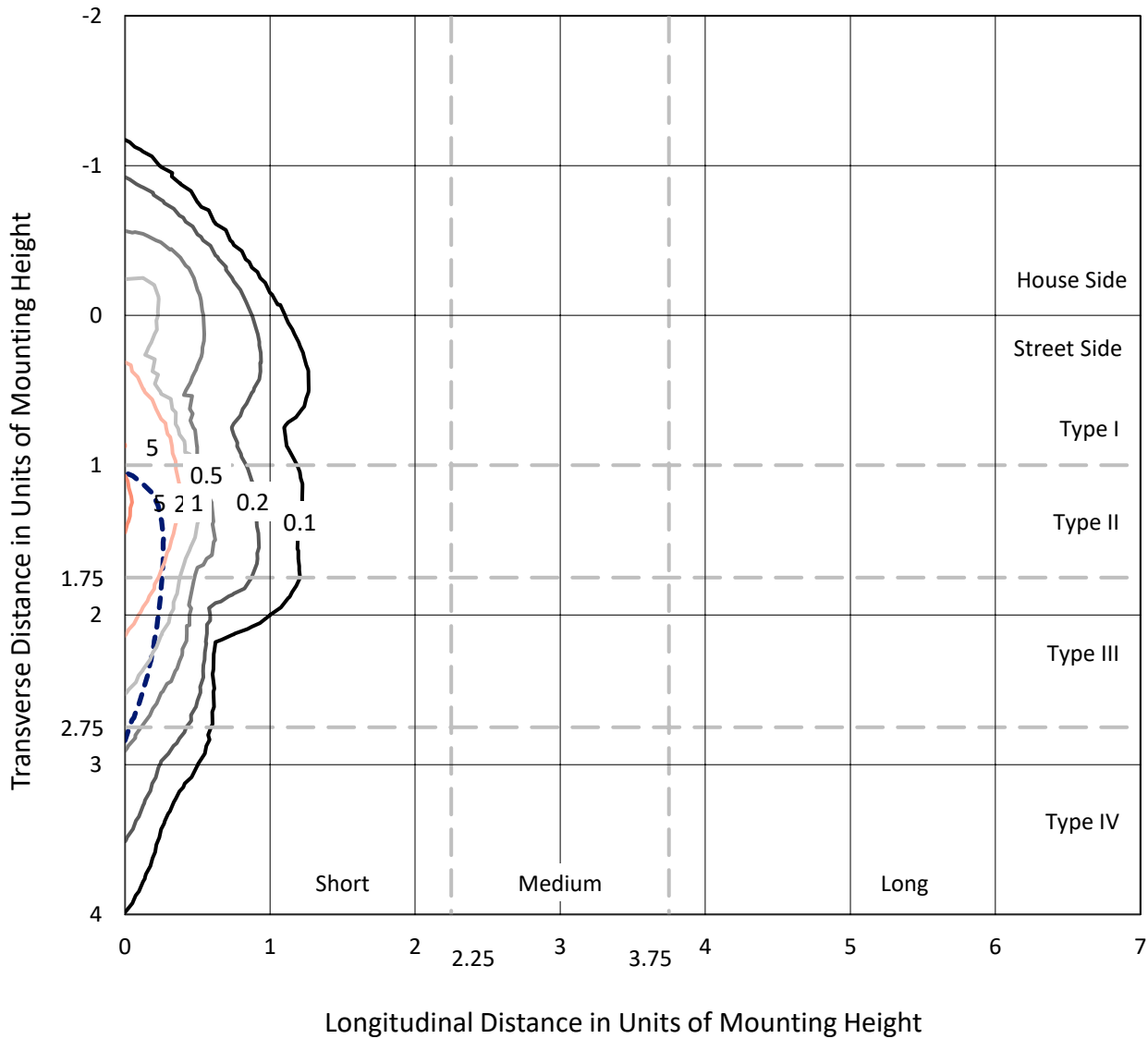
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

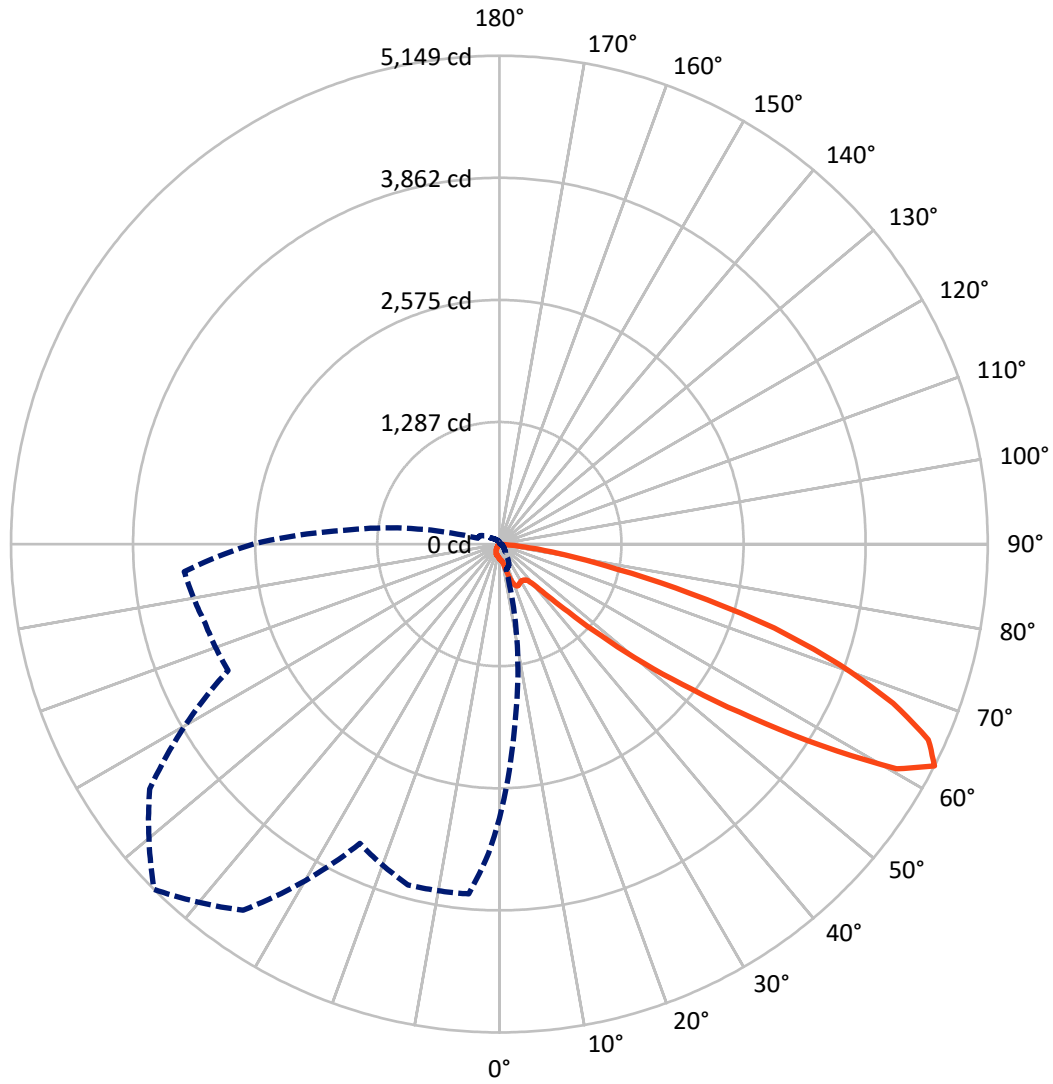
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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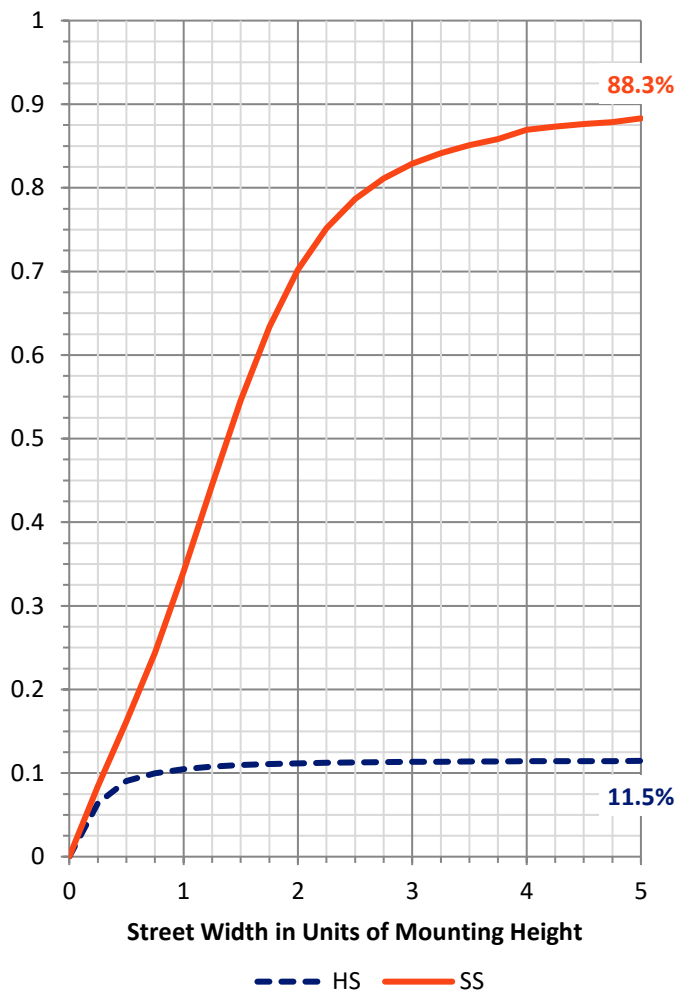
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	345.9	0.0	345.9
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	2631.0	0.0	2631.0
	% Fixture	88.4	0.0	88.4
Total	Lumens	2976.9	0.0	2976.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.4
10°-20°	45.7	1.5
20°-30°	103.2	3.5
30°-40°	177.8	6.0
40°-50°	335.5	11.3
50°-60°	749.0	25.2
60°-70°	1001.8	33.7
70°-80°	502.4	16.9
80°-90°	48.2	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°	2976.9	100.0
0°-180°	2976.9	100.0

Coefficient of Utilization



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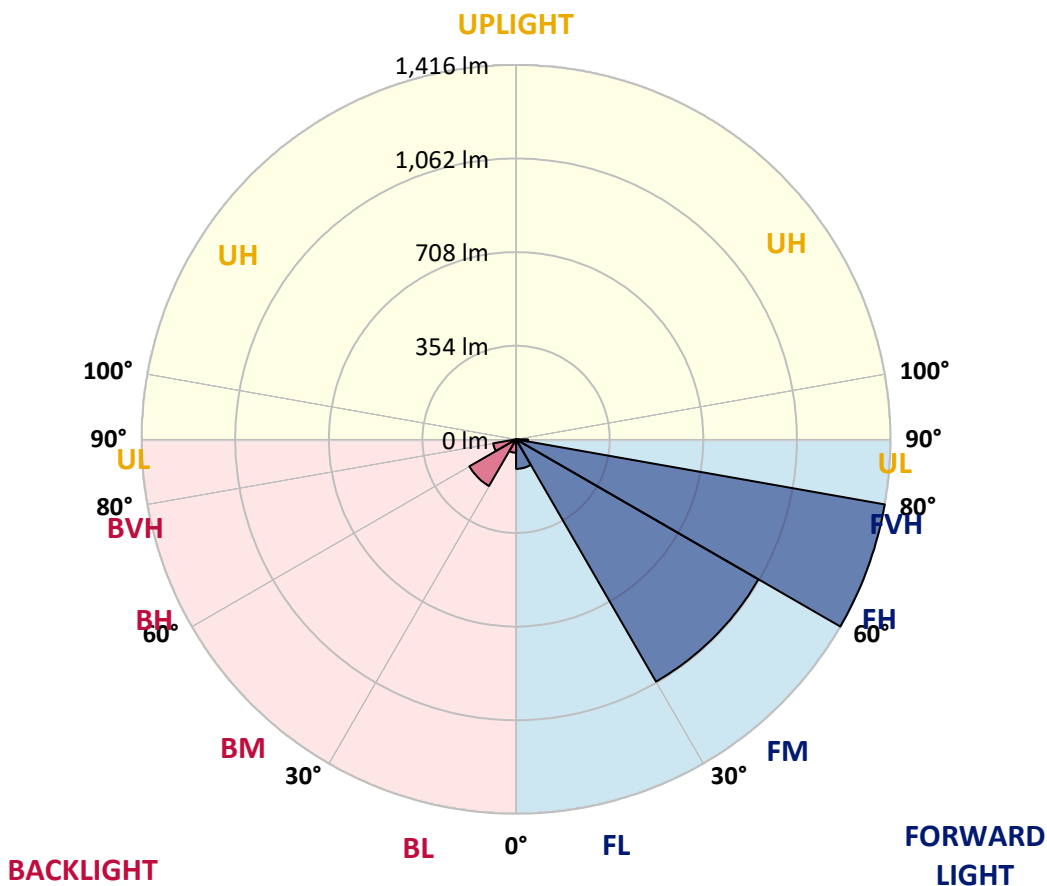
CATALOG NUMBER: GWS-SA1C-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.5	3.7			
FM (30°-60°)	1058.4	35.6			
FH (60°-80°)	1416.2	47.6			G1/1800
FVH (80°-90°)	45.0	1.5			G1/100
BL (0°-30°)	50.8	1.7	B0/110		
BM (30°-60°)	204.0	6.9	B0/220		
BH (60°-80°)	88.0	3.0	B0/110		G0/110
BVH (80°-90°)	3.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4
2.5°	152.6	152.3	151.6	149.5	147.7	146.6	144.5	144.5	144.2	143.5	142.0
5°	147.7	146.3	144.9	141.0	136.8	134.3	131.5	131.1	131.1	130.4	130.1
7.5°	139.9	138.5	136.8	130.4	126.5	124.1	121.6	121.3	120.2	120.2	120.2
10°	135.7	133.6	130.8	123.7	119.8	117.7	116.0	114.9	114.2	113.1	112.8
12.5°	144.9	141.0	135.0	122.3	117.0	114.2	112.1	111.4	109.3	107.9	106.8
15°	173.4	163.9	151.9	125.5	116.0	111.7	108.9	107.5	105.7	103.3	101.5
17.5°	220.3	206.6	186.5	135.7	114.9	109.6	106.1	103.6	101.2	98.3	96.2
20°	285.2	264.7	240.7	154.4	114.9	107.2	102.9	99.8	96.2	93.1	90.6
22.5°	367.6	347.2	306.3	186.1	116.3	104.0	99.0	94.8	90.6	87.8	84.9
25°	460.0	431.1	393.0	224.5	120.2	99.8	94.5	90.2	86.4	82.8	79.7
27.5°	562.9	531.5	480.8	279.2	128.7	95.5	89.5	85.7	82.1	78.6	74.4
30°	657.7	639.0	587.2	344.7	142.4	92.7	85.7	82.1	78.6	74.0	70.1
32.5°	771.6	738.4	695.8	419.5	160.7	89.9	82.5	77.5	74.7	70.5	66.3
35°	886.1	857.9	801.9	511.4	181.2	87.1	78.6	74.0	71.6	66.6	62.0
37.5°	1004.2	997.9	942.5	613.3	201.3	83.9	74.0	71.2	68.7	63.1	57.8
40°	1120.5	1108.9	1057.8	729.6	213.6	80.4	70.1	68.4	65.6	59.2	53.2
42.5°	1231.9	1223.1	1173.4	841.0	211.8	77.2	66.3	64.2	62.0	55.7	48.3
45°	1368.7	1354.2	1291.5	923.5	193.9	80.7	62.4	58.9	58.5	52.5	43.4
47.5°	1624.6	1577.0	1470.5	986.9	175.9	89.9	58.2	53.9	56.4	49.3	38.4
50°	1983.1	1927.0	1773.0	1036.3	175.5	101.9	57.5	49.3	54.6	46.9	34.2
52.5°	2343.3	2244.6	2057.4	1062.7	188.6	110.7	63.8	44.8	52.5	44.4	31.0
55°	2688.4	2483.6	2176.6	975.3	198.8	120.2	75.4	42.3	48.6	41.6	29.3
57.5°	3017.2	2675.7	2228.4	771.6	233.0	124.1	82.5	43.4	43.0	38.1	27.8
60°	3062.3	2666.5	2123.7	448.7	257.0	117.4	79.7	48.3	37.7	33.8	25.4
62.5°	2891.7	2489.2	1885.1	279.9	238.6	114.9	70.8	55.0	34.2	30.0	22.2
65°	2632.7	2211.1	1571.7	180.5	180.8	127.6	62.0	53.9	32.1	26.4	19.0
67.5°	2227.7	1850.5	1238.3	120.9	102.2	108.9	54.3	37.0	31.4	22.6	14.8
70°	1626.0	1317.2	806.1	80.7	61.0	87.1	45.5	26.4	29.6	18.7	10.6
72.5°	1188.6	885.1	450.1	52.9	34.5	50.8	33.5	19.0	22.9	13.7	7.4
75°	855.5	609.1	257.0	33.8	22.9	27.8	21.9	13.0	14.8	10.9	6.7
77.5°	411.7	296.8	116.7	18.7	15.5	14.1	11.6	8.1	9.2	9.9	6.0
80°	15.5	11.6	8.8	9.2	9.9	6.3	5.3	4.2	5.3	6.7	3.2
82.5°	0.0	0.0	0.0	1.1	1.4	1.8	2.1	1.8	2.1	2.5	0.4
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°	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4
2.5°	143.1	142.4	143.1	143.8	144.5	145.2	144.2	144.9	145.6	143.8	144.5
5°	131.8	131.5	133.6	134.6	136.1	136.8	136.1	136.1	135.7	133.6	133.6
7.5°	122.0	122.3	124.1	126.5	128.3	129.4	128.7	128.3	127.2	124.1	124.1
10°	114.6	114.6	117.4	119.5	122.0	123.0	122.3	121.3	120.2	117.0	116.7
12.5°	108.6	108.6	110.7	114.2	117.0	118.4	118.1	116.7	114.9	111.7	111.4
15°	102.9	102.6	105.7	108.9	112.8	114.6	113.9	112.8	109.6	106.8	106.1
17.5°	97.3	96.9	99.8	104.0	108.2	110.7	110.3	107.9	105.0	101.5	100.8
20°	91.6	90.9	94.5	98.7	102.9	105.4	104.7	102.6	99.0	95.5	94.8
22.5°	86.0	85.7	88.1	91.6	95.5	97.6	97.3	95.5	92.0	88.8	88.8
25°	79.7	79.7	81.4	83.9	86.7	87.8	88.1	87.4	85.3	83.5	83.5
27.5°	74.4	73.3	74.0	74.7	76.1	77.9	77.9	78.6	79.0	78.3	78.6
30°	70.1	68.4	67.3	65.9	65.2	65.9	66.6	69.1	71.6	73.0	73.7
32.5°	65.2	63.1	60.3	56.4	53.9	53.2	55.3	59.9	64.5	67.7	69.4
35°	60.3	57.5	52.2	46.5	43.4	42.3	44.8	50.1	56.7	62.4	64.9
37.5°	55.3	51.5	44.1	37.4	33.8	33.1	35.6	41.2	49.0	56.7	59.9
40°	49.7	45.1	36.3	29.3	26.4	25.7	27.8	33.5	41.6	50.4	55.3
42.5°	44.1	38.4	29.3	23.3	20.4	20.4	23.3	27.5	34.9	44.4	50.4
45°	38.4	32.4	24.0	18.7	16.9	17.3	19.0	23.3	29.3	39.1	44.8
47.5°	33.1	27.8	19.7	15.5	14.1	14.5	16.6	20.1	25.0	33.8	39.8
50°	28.6	23.6	17.3	13.0	12.0	12.7	14.8	18.0	22.2	30.0	34.9
52.5°	25.7	21.1	15.9	11.3	10.6	11.3	13.4	16.2	20.1	26.4	31.4
55°	24.3	20.8	15.9	10.2	9.2	9.9	12.0	14.8	18.0	24.0	28.2
57.5°	24.0	21.5	16.9	9.2	7.8	8.5	10.6	13.4	16.6	21.9	25.4
60°	22.6	20.4	16.6	7.4	6.0	7.0	8.8	11.6	15.2	20.4	23.6
62.5°	19.7	18.0	14.5	6.0	4.6	5.3	7.4	10.2	13.7	18.7	22.2
65°	16.2	14.5	11.3	3.9	2.8	3.5	5.6	8.8	12.0	16.9	20.1
67.5°	12.0	10.2	7.8	2.5	1.4	2.5	4.6	7.4	10.9	15.2	18.3
70°	7.4	6.0	4.2	1.4	1.1	2.1	4.2	7.0	9.9	14.1	17.3
72.5°	4.2	2.8	1.8	0.7	1.1	2.1	4.2	7.0	9.5	13.4	16.2
75°	3.2	1.8	0.7	0.4	0.7	1.8	3.9	6.3	9.2	12.7	15.5
77.5°	2.1	1.1	0.4	0.0	0.4	1.4	3.5	6.0	8.5	12.0	14.8
80°	0.4	0.0	0.0	0.0	0.0	1.1	3.2	5.3	7.8	10.6	13.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	2.5	4.6	6.7	8.8	10.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.5	5.3	6.7	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.5	4.2	4.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4
2.5°	144.2	146.3	146.3	147.7	149.5	152.6	154.4	156.9	158.6	160.4	161.1
5°	133.2	133.6	133.9	134.6	136.8	140.3	143.5	147.3	151.9	155.4	157.6
7.5°	124.1	124.1	124.1	125.1	127.2	129.7	132.9	138.2	143.5	147.7	151.2
10°	116.3	117.4	117.7	119.5	122.0	125.1	128.7	133.2	139.2	144.9	151.2
12.5°	111.4	112.4	114.2	116.0	118.4	122.0	125.8	131.8	144.2	155.8	169.2
15°	106.8	108.2	110.3	112.8	115.6	119.5	123.7	136.1	165.0	186.8	208.0
17.5°	101.9	104.0	106.8	109.3	112.8	117.0	122.3	146.3	203.0	239.3	275.3
20°	95.5	98.3	101.5	105.4	109.6	114.6	122.3	167.4	258.0	310.2	357.8
22.5°	89.5	92.3	96.2	101.2	106.1	111.0	124.1	199.5	328.9	394.8	455.1
25°	84.6	88.1	92.0	96.2	101.9	107.5	128.3	244.6	414.2	499.1	541.8
27.5°	80.0	84.2	88.1	91.6	96.6	102.9	137.8	304.9	515.0	601.3	634.8
30°	75.4	80.4	84.2	87.8	92.7	99.4	152.3	381.7	627.1	711.0	714.5
32.5°	71.6	76.1	80.7	84.2	88.8	96.6	172.4	471.6	742.0	823.0	789.9
35°	67.3	72.6	76.8	80.7	85.7	94.1	195.6	568.6	857.9	926.0	865.0
37.5°	63.1	69.1	74.4	77.2	82.1	91.6	212.5	669.7	976.4	1026.4	930.9
40°	59.2	65.9	71.9	74.7	77.2	88.5	215.0	773.3	1096.6	1125.5	992.9
42.5°	55.0	62.4	67.7	71.6	73.7	86.4	200.2	860.8	1197.4	1224.2	1074.0
45°	50.4	59.2	63.4	66.3	70.5	87.8	181.2	928.4	1312.6	1358.8	1207.6
47.5°	45.8	55.7	59.2	61.3	67.0	96.2	174.1	973.6	1502.6	1598.5	1432.8
50°	41.6	52.5	56.4	56.0	66.3	107.2	181.9	1007.7	1788.1	1900.9	1741.6
52.5°	37.0	49.0	53.6	52.2	71.6	115.6	197.4	1034.9	2007.7	2255.5	2156.5
55°	33.1	45.1	49.3	49.0	81.4	122.0	209.4	891.8	2098.7	2585.1	2623.9
57.5°	30.3	40.9	44.4	50.4	87.8	122.0	242.2	633.1	2100.4	2827.6	3244.2
60°	27.8	37.0	39.5	55.3	85.3	115.6	239.7	387.7	1935.8	2811.0	3574.1
62.5°	25.7	33.5	36.7	56.7	75.4	114.6	216.4	240.4	1651.0	2597.1	3334.8
65°	24.0	30.7	35.2	52.2	68.4	122.7	145.9	172.7	1339.1	2353.2	3060.2
67.5°	22.2	28.2	37.4	42.7	62.0	109.6	105.4	122.7	1051.1	2085.6	2808.2
70°	20.8	26.8	39.5	34.9	54.3	85.7	74.7	93.1	804.7	1740.2	2453.3
72.5°	19.7	25.0	33.1	27.5	44.1	66.3	52.2	67.7	525.9	1358.5	2000.0
75°	18.7	22.9	24.3	22.2	32.8	43.4	39.5	45.5	313.4	992.9	1517.4
77.5°	18.3	21.5	19.7	18.0	22.2	25.7	30.0	30.7	153.0	496.6	795.2
80°	16.2	19.4	16.9	14.8	15.2	16.9	22.2	20.4	34.9	126.2	212.2
82.5°	12.7	15.2	14.1	12.3	12.3	12.3	14.8	13.7	11.3	56.7	95.9
85°	8.8	10.6	10.6	9.9	9.5	9.5	9.2	8.8	3.2	3.5	5.3
87.5°	6.0	7.4	7.8	7.4	6.3	5.6	4.9	4.2	1.4	0.0	0.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4	154.4
2.5°	163.6	164.6	164.6	163.2	162.1	159.3	156.5	153.7	153.0	152.6
5°	163.6	167.8	169.9	169.5	167.1	162.5	156.5	150.2	148.4	147.7
7.5°	161.1	169.2	175.5	176.6	172.0	163.9	153.0	143.5	141.0	139.9
10°	166.7	182.6	195.3	197.0	191.7	175.9	158.3	142.0	138.2	135.7
12.5°	197.0	223.1	238.6	246.0	235.8	215.7	186.5	157.6	148.7	144.9
15°	258.4	295.4	325.0	325.0	315.5	279.9	242.9	196.0	184.0	173.4
17.5°	337.0	383.5	409.6	406.8	392.3	367.3	322.9	255.5	231.2	220.3
20°	426.5	454.3	460.3	458.6	452.2	437.8	407.1	334.9	302.1	285.2
22.5°	504.0	496.6	487.8	480.8	479.0	483.3	479.0	423.3	397.6	367.6
25°	556.6	514.6	488.2	475.5	481.5	505.8	532.2	511.4	491.0	460.0
27.5°	585.1	512.5	474.4	461.4	471.6	506.2	563.6	598.9	577.7	562.9
30°	600.6	510.7	465.6	452.9	468.4	511.8	585.5	680.6	681.3	657.7
32.5°	622.8	522.0	467.4	455.8	476.6	528.7	613.0	763.8	784.3	771.6
35°	647.9	539.3	475.5	464.9	490.7	551.3	643.6	847.7	890.4	886.1
37.5°	671.5	558.7	494.5	484.3	512.2	570.7	673.2	930.2	989.4	1004.2
40°	696.1	585.8	553.0	562.9	578.4	601.3	699.7	1001.7	1098.3	1120.5
42.5°	754.3	679.9	730.0	748.7	750.8	703.6	757.5	1093.4	1205.5	1231.9
45°	884.0	847.4	990.8	1017.3	1003.5	860.4	896.7	1225.6	1355.3	1368.7
47.5°	1047.9	1064.8	1347.9	1439.2	1356.7	1045.5	1065.5	1503.7	1629.5	1624.6
50°	1239.0	1319.0	1753.2	1968.6	1771.2	1285.8	1260.1	1845.6	1998.2	1983.1
52.5°	1464.9	1614.4	2240.4	2546.3	2359.5	1556.2	1545.6	2298.5	2391.6	2343.3
55°	1749.4	1899.5	2800.8	3228.4	2962.6	1886.1	1922.4	2823.7	2841.7	2688.4
57.5°	2173.7	2271.4	3461.4	4010.5	3592.1	2334.5	2597.8	3522.7	3307.7	3017.2
60°	2944.3	2749.7	4099.7	4810.6	4261.8	2965.1	3488.5	3936.9	3462.8	3062.3
62.5°	3212.5	3155.8	4499.4	5149.0	4712.3	3482.9	3720.1	3702.1	3261.9	2891.7
65°	2806.1	3054.6	4427.9	4970.3	4654.5	3397.6	3338.3	3443.0	3035.6	2632.7
67.5°	2592.1	2817.0	4156.8	4477.2	4334.1	3108.2	2975.6	2947.1	2548.4	2227.7
70°	2376.4	2599.2	3763.8	3803.6	3737.0	2636.6	2462.4	2271.0	1904.8	1626.0
72.5°	2117.0	2239.7	3218.5	3029.6	2954.1	2070.8	2034.2	1710.2	1427.9	1188.6
75°	1846.3	1810.7	2509.3	2079.3	2135.7	1611.2	1718.0	1255.9	1046.2	855.5
77.5°	1342.9	1316.5	1680.6	1262.9	1398.6	1055.3	948.2	501.2	477.3	411.7
80°	749.4	903.4	907.6	707.8	883.0	688.0	237.2	16.6	10.6	15.5
82.5°	348.3	388.4	492.1	328.2	503.7	340.8	49.0	0.0	0.0	0.0
85°	112.8	165.0	138.2	48.3	122.0	115.3	8.1	0.0	0.0	0.0
87.5°	6.7	13.7	3.5	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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