

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: P632761

Luminaire Tested: GWS-SA2D-735-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632761
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-SA2D-735-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6972.6 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

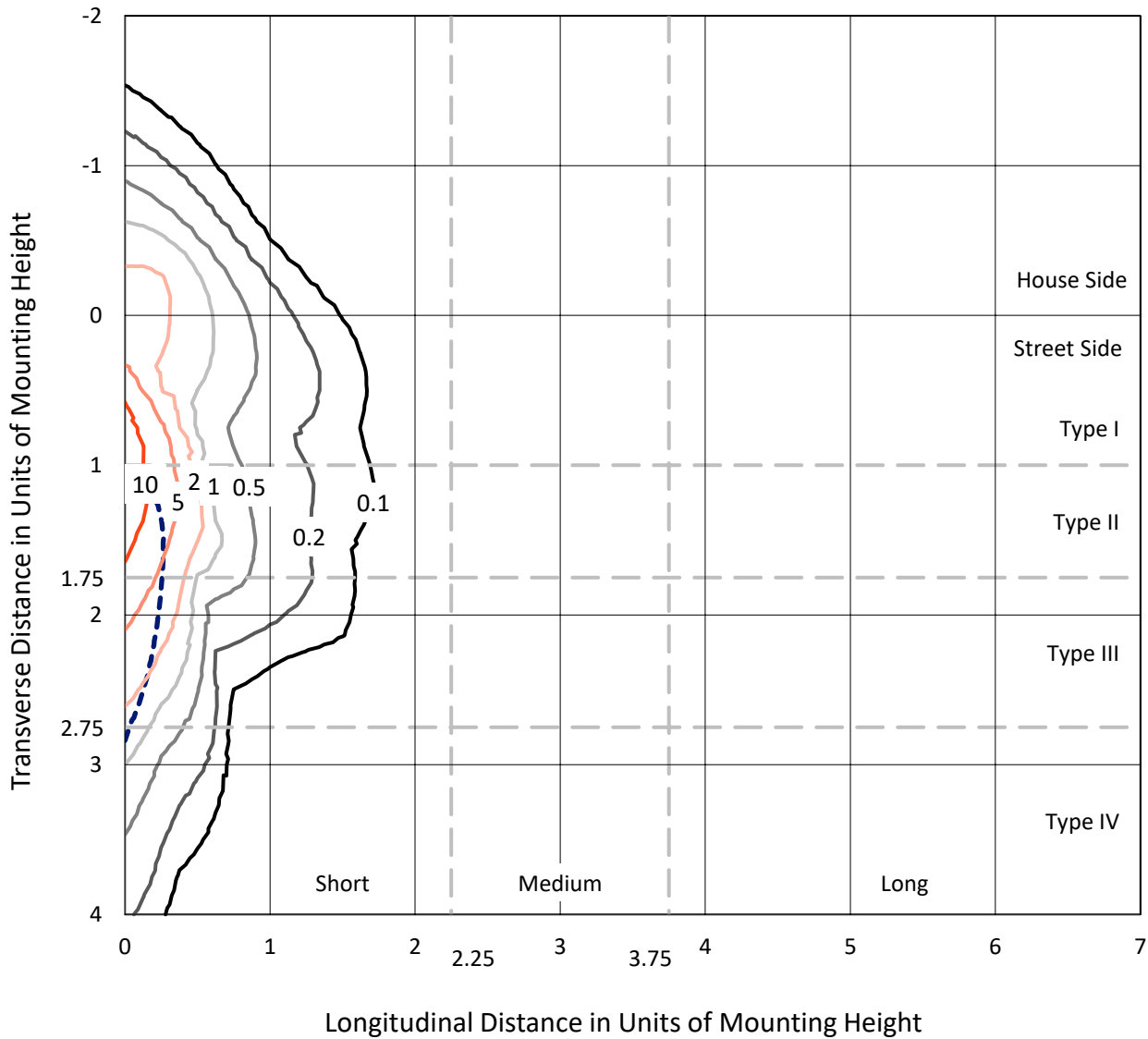
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

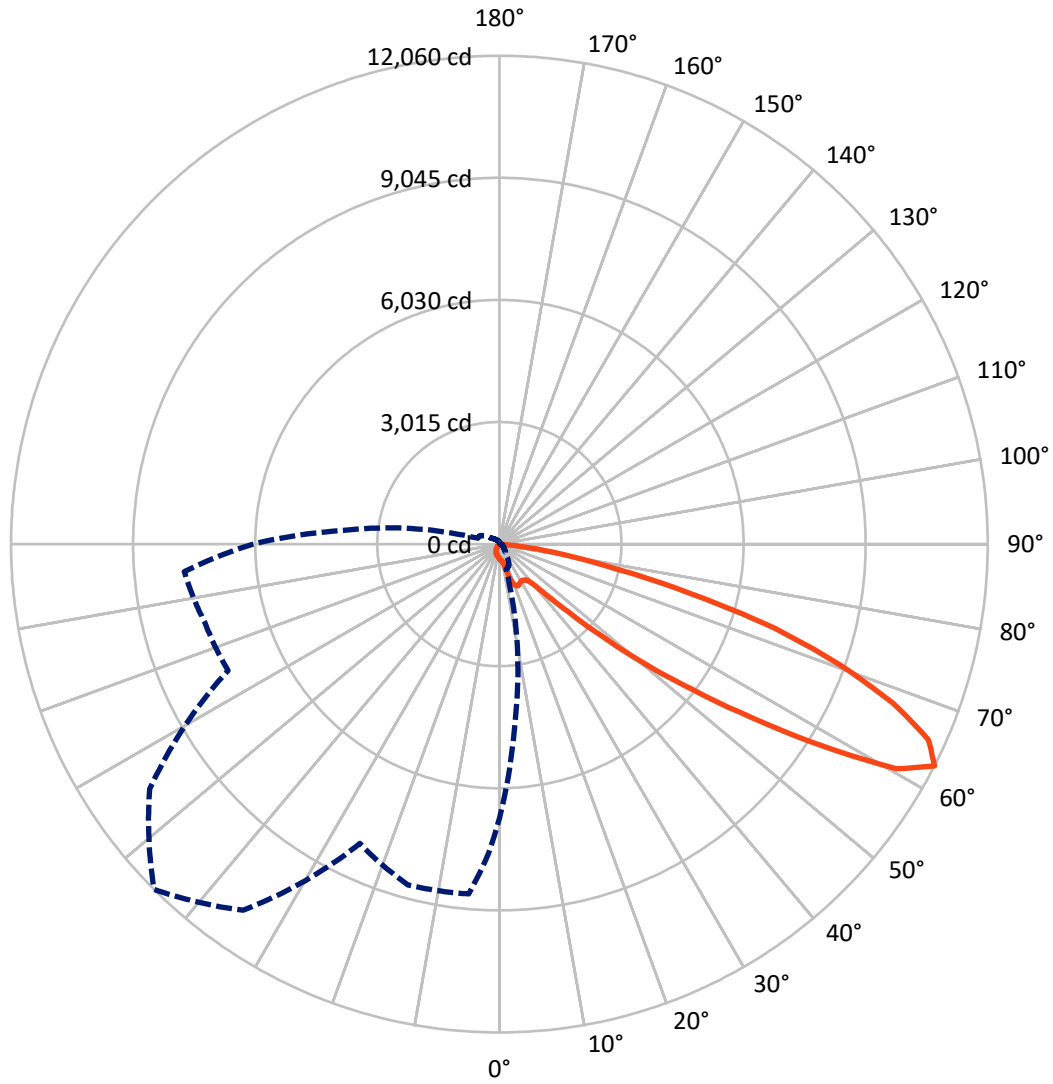
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 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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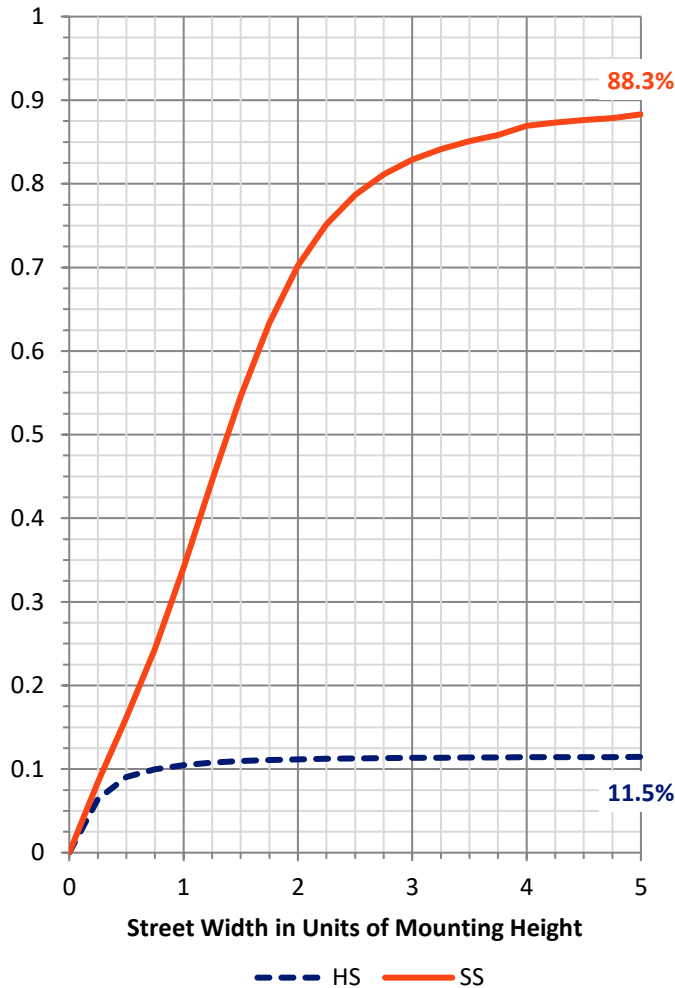
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	810.1	0.0	810.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	6162.5	0.0	6162.5
	% Fixture	88.4	0.0	88.4
Total	Lumens	6972.6	0.0	6972.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	0.4
10°-20°	107.0	1.5
20°-30°	241.8	3.5
30°-40°	416.5	6.0
40°-50°	785.8	11.3
50°-60°	1754.4	25.2
60°-70°	2346.4	33.7
70°-80°	1176.7	16.9
80°-90°	112.8	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°	6972.6	100.0
0°-180°	6972.6	100.0

Coefficient of Utilization

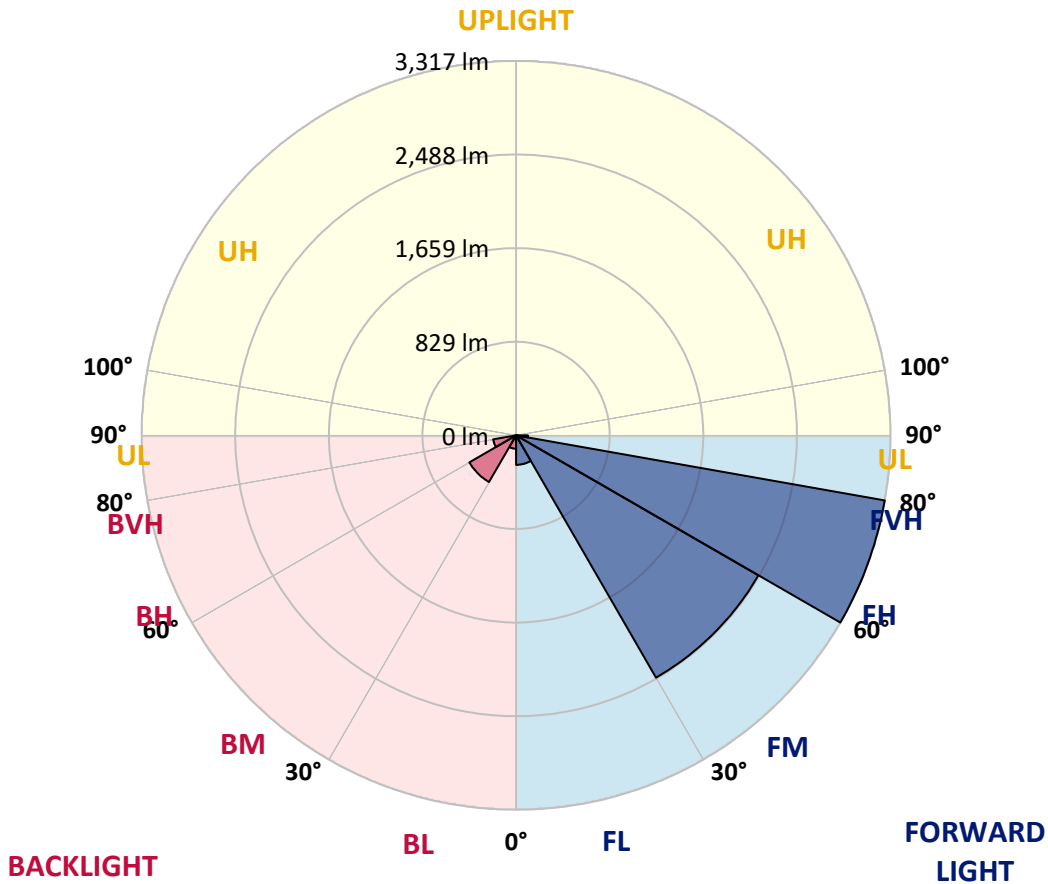


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.1	3.7			
FM (30°-60°)	2479.0	35.6			
FH (60°-80°)	3317.1	47.6			G2/5000
FVH (80°-90°)	105.3	1.5			G2/225
BL (0°-30°)	118.9	1.7	B1/500		
BM (30°-60°)	477.7	6.9	B1/1000		
BH (60°-80°)	206.0	3.0	B1/500		G1/500
BVH (80°-90°)	7.5	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°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6
2.5°	357.5	356.7	355.0	350.1	345.9	343.4	338.5	338.5	337.7	336.0	332.7
5°	345.9	342.6	339.3	330.2	320.3	314.6	307.9	307.1	307.1	305.5	304.6
7.5°	327.8	324.5	320.3	305.5	296.4	290.6	284.8	284.0	281.5	281.5	281.5
10°	317.9	312.9	306.3	289.8	280.7	275.7	271.6	269.1	267.5	265.0	264.2
12.5°	339.3	330.2	316.2	286.5	274.1	267.5	262.5	260.9	255.9	252.6	250.2
15°	406.2	383.9	355.8	293.9	271.6	261.7	255.1	251.8	247.7	241.9	237.8
17.5°	516.0	483.8	436.7	317.9	269.1	256.8	248.5	242.7	236.9	230.3	225.4
20°	667.9	620.0	563.9	361.6	269.1	251.0	241.1	233.6	225.4	218.0	212.2
22.5°	861.1	813.2	717.4	435.9	272.4	243.5	232.0	222.1	212.2	205.6	199.0
25°	1077.4	1009.7	920.5	525.9	281.5	233.6	221.3	211.4	202.3	194.0	186.6
27.5°	1318.5	1245.0	1126.1	653.9	301.3	223.7	209.7	200.6	192.4	184.1	174.2
30°	1540.6	1496.8	1375.4	807.4	333.5	217.1	200.6	192.4	184.1	173.4	164.3
32.5°	1807.2	1729.6	1629.7	982.5	376.5	210.5	193.2	181.6	175.0	165.1	155.2
35°	2075.5	2009.5	1878.2	1197.9	424.4	203.9	184.1	173.4	167.6	156.0	145.3
37.5°	2352.1	2337.2	2207.6	1436.5	471.4	196.5	173.4	166.8	161.0	147.8	135.4
40°	2624.6	2597.3	2477.6	1709.0	500.3	188.2	164.3	160.2	153.6	138.7	124.7
42.5°	2885.4	2864.8	2748.4	1969.9	496.2	180.8	155.2	150.3	145.3	130.4	113.1
45°	3205.8	3171.9	3025.0	2163.0	454.1	189.1	146.1	137.9	137.0	123.0	101.5
47.5°	3805.2	3693.7	3444.4	2311.7	412.0	210.5	136.2	126.3	132.1	115.6	90.0
50°	4644.8	4513.5	4152.7	2427.2	411.1	238.6	134.6	115.6	128.0	109.8	80.1
52.5°	5488.5	5257.4	4819.0	2489.2	441.7	259.2	149.4	104.9	123.0	104.0	72.7
55°	6296.8	5817.1	5098.0	2284.4	465.6	281.5	176.7	99.1	113.9	97.4	68.5
57.5°	7067.1	6267.1	5219.4	1807.2	545.7	290.6	193.2	101.5	100.7	89.2	65.2
60°	7172.7	6245.6	4974.2	1051.0	601.9	274.9	186.6	113.1	88.3	79.3	59.4
62.5°	6773.2	5830.3	4415.3	655.5	558.9	269.1	165.9	128.8	80.1	70.2	52.0
65°	6166.3	5178.9	3681.3	422.7	423.5	298.9	145.3	126.3	75.1	61.9	44.6
67.5°	5217.7	4334.4	2900.3	283.2	239.4	255.1	127.1	86.7	73.5	52.8	34.7
70°	3808.5	3085.2	1888.1	189.1	142.8	203.9	106.5	61.9	69.3	43.8	24.8
72.5°	2783.9	2073.1	1054.3	123.8	80.9	118.9	78.4	44.6	53.7	32.2	17.3
75°	2003.7	1426.6	601.9	79.3	53.7	65.2	51.2	30.5	34.7	25.6	15.7
77.5°	964.3	695.1	273.3	43.8	36.3	33.0	27.2	19.0	21.5	23.1	14.0
80°	36.3	27.2	20.6	21.5	23.1	14.9	12.4	9.9	12.4	15.7	7.4
82.5°	0.0	0.0	0.0	2.5	3.3	4.1	5.0	4.1	5.0	5.8	0.8
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°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6
2.5°	335.2	333.5	335.2	336.8	338.5	340.1	337.7	339.3	341.0	336.8	338.5
5°	308.8	307.9	312.9	315.4	318.7	320.3	318.7	318.7	317.9	312.9	312.9
7.5°	285.7	286.5	290.6	296.4	300.5	303.0	301.3	300.5	298.0	290.6	290.6
10°	268.3	268.3	274.9	279.9	285.7	288.1	286.5	284.0	281.5	274.1	273.3
12.5°	254.3	254.3	259.2	267.5	274.1	277.4	276.6	273.3	269.1	261.7	260.9
15°	241.1	240.2	247.7	255.1	264.2	268.3	266.7	264.2	256.8	250.2	248.5
17.5°	227.9	227.0	233.6	243.5	253.5	259.2	258.4	252.6	246.0	237.8	236.1
20°	214.7	213.0	221.3	231.2	241.1	246.9	245.2	240.2	232.0	223.7	222.1
22.5°	201.4	200.6	206.4	214.7	223.7	228.7	227.9	223.7	215.5	208.0	208.0
25°	186.6	186.6	190.7	196.5	203.1	205.6	206.4	204.7	199.8	195.7	195.7
27.5°	174.2	171.7	173.4	175.0	178.3	182.5	182.5	184.1	184.9	183.3	184.1
30°	164.3	160.2	157.7	154.4	152.7	154.4	156.0	161.8	167.6	170.9	172.5
32.5°	152.7	147.8	141.2	132.1	126.3	124.7	129.6	140.4	151.1	158.5	162.6
35°	141.2	134.6	122.2	109.0	101.5	99.1	104.9	117.2	132.9	146.1	151.9
37.5°	129.6	120.5	103.2	87.5	79.3	77.6	83.4	96.6	114.8	132.9	140.4
40°	116.4	105.7	85.0	68.5	61.9	60.3	65.2	78.4	97.4	118.1	129.6
42.5°	103.2	90.0	68.5	54.5	47.9	47.9	54.5	64.4	81.7	104.0	118.1
45°	90.0	76.0	56.1	43.8	39.6	40.5	44.6	54.5	68.5	91.6	104.9
47.5°	77.6	65.2	46.2	36.3	33.0	33.8	38.8	47.1	58.6	79.3	93.3
50°	66.9	55.3	40.5	30.5	28.1	29.7	34.7	42.1	52.0	70.2	81.7
52.5°	60.3	49.5	37.2	26.4	24.8	26.4	31.4	38.0	47.1	61.9	73.5
55°	57.0	48.7	37.2	23.9	21.5	23.1	28.1	34.7	42.1	56.1	66.0
57.5°	56.1	50.4	39.6	21.5	18.2	19.8	24.8	31.4	38.8	51.2	59.4
60°	52.8	47.9	38.8	17.3	14.0	16.5	20.6	27.2	35.5	47.9	55.3
62.5°	46.2	42.1	33.8	14.0	10.7	12.4	17.3	23.9	32.2	43.8	52.0
65°	38.0	33.8	26.4	9.1	6.6	8.3	13.2	20.6	28.1	39.6	47.1
67.5°	28.1	23.9	18.2	5.8	3.3	5.8	10.7	17.3	25.6	35.5	42.9
70°	17.3	14.0	9.9	3.3	2.5	5.0	9.9	16.5	23.1	33.0	40.5
72.5°	9.9	6.6	4.1	1.7	2.5	5.0	9.9	16.5	22.3	31.4	38.0
75°	7.4	4.1	1.7	0.8	1.7	4.1	9.1	14.9	21.5	29.7	36.3
77.5°	5.0	2.5	0.8	0.0	0.8	3.3	8.3	14.0	19.8	28.1	34.7
80°	0.8	0.0	0.0	0.0	0.0	2.5	7.4	12.4	18.2	24.8	30.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	5.8	10.7	15.7	20.6	24.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.3	12.4	15.7	17.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	8.3	9.9	11.6
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°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6
2.5°	337.7	342.6	342.6	345.9	350.1	357.5	361.6	367.4	371.5	375.6	377.3
5°	312.1	312.9	313.7	315.4	320.3	328.6	336.0	345.1	355.8	364.1	369.0
7.5°	290.6	290.6	290.6	293.1	298.0	303.8	311.2	323.6	336.0	345.9	354.2
10°	272.4	274.9	275.7	279.9	285.7	293.1	301.3	312.1	326.1	339.3	354.2
12.5°	260.9	263.4	267.5	271.6	277.4	285.7	294.7	308.8	337.7	364.9	396.3
15°	250.2	253.5	258.4	264.2	270.8	279.9	289.8	318.7	386.4	437.6	487.1
17.5°	238.6	243.5	250.2	255.9	264.2	274.1	286.5	342.6	475.5	560.6	644.8
20°	223.7	230.3	237.8	246.9	256.8	268.3	286.5	392.2	604.3	726.5	838.0
22.5°	209.7	216.3	225.4	236.9	248.5	260.1	290.6	467.3	770.3	924.7	1065.8
25°	198.1	206.4	215.5	225.4	238.6	251.8	300.5	573.0	970.1	1169.0	1268.9
27.5°	187.4	197.3	206.4	214.7	226.2	241.1	322.8	714.1	1206.2	1408.5	1486.9
30°	176.7	188.2	197.3	205.6	217.1	232.8	356.7	894.1	1468.7	1665.2	1673.5
32.5°	167.6	178.3	189.1	197.3	208.0	226.2	403.7	1104.6	1737.9	1927.8	1850.2
35°	157.7	170.1	180.0	189.1	200.6	220.4	458.2	1331.7	2009.5	2168.8	2026.0
37.5°	147.8	161.8	174.2	180.8	192.4	214.7	497.8	1568.6	2286.9	2404.1	2180.4
40°	138.7	154.4	168.4	175.0	180.8	207.2	503.6	1811.3	2568.4	2636.1	2325.7
42.5°	128.8	146.1	158.5	167.6	172.5	202.3	468.9	2016.1	2804.5	2867.3	2515.6
45°	118.1	138.7	148.6	155.2	165.1	205.6	424.4	2174.6	3074.5	3182.7	2828.5
47.5°	107.3	130.4	138.7	143.7	156.9	225.4	407.8	2280.3	3519.5	3744.1	3356.0
50°	97.4	123.0	132.1	131.3	155.2	251.0	426.0	2360.4	4188.2	4452.4	4079.2
52.5°	86.7	114.8	125.5	122.2	167.6	270.8	462.3	2423.9	4702.6	5283.0	5051.0
55°	77.6	105.7	115.6	114.8	190.7	285.7	490.4	2088.7	4915.6	6054.9	6145.7
57.5°	71.0	95.8	104.0	118.1	205.6	285.7	567.2	1482.8	4919.7	6622.9	7598.7
60°	65.2	86.7	92.5	129.6	199.8	270.8	561.4	908.2	4534.1	6584.1	8371.5
62.5°	60.3	78.4	85.9	132.9	176.7	268.3	506.9	563.1	3867.1	6083.0	7810.9
65°	56.1	71.8	82.6	122.2	160.2	287.3	341.8	404.5	3136.4	5511.6	7167.8
67.5°	52.0	66.0	87.5	99.9	145.3	256.8	246.9	287.3	2461.9	4885.0	6577.5
70°	48.7	62.7	92.5	81.7	127.1	200.6	175.0	218.0	1884.8	4075.9	5746.1
72.5°	46.2	58.6	77.6	64.4	103.2	155.2	122.2	158.5	1231.8	3181.8	4684.4
75°	43.8	53.7	57.0	52.0	76.8	101.5	92.5	106.5	734.0	2325.7	3554.2
77.5°	42.9	50.4	46.2	42.1	52.0	60.3	70.2	71.8	358.3	1163.3	1862.5
80°	38.0	45.4	39.6	34.7	35.5	39.6	52.0	47.9	81.7	295.6	497.0
82.5°	29.7	35.5	33.0	28.9	28.9	28.9	34.7	32.2	26.4	132.9	224.6
85°	20.6	24.8	24.8	23.1	22.3	22.3	21.5	20.6	7.4	8.3	12.4
87.5°	14.0	17.3	18.2	17.3	14.9	13.2	11.6	9.9	3.3	0.0	1.7
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°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6
2.5°	383.1	385.6	385.6	382.2	379.8	373.2	366.6	360.0	358.3	357.5
5°	383.1	393.0	397.9	397.1	391.3	380.6	366.6	351.7	347.6	345.9
7.5°	377.3	396.3	411.1	413.6	402.9	383.9	358.3	336.0	330.2	327.8
10°	390.5	427.7	457.4	461.5	449.1	412.0	370.7	332.7	323.6	317.9
12.5°	461.5	522.6	558.9	576.3	552.3	505.3	436.7	369.0	348.4	339.3
15°	605.2	691.8	761.2	761.2	738.9	655.5	568.8	459.0	431.0	406.2
17.5°	789.3	898.2	959.3	952.7	918.9	860.3	756.2	598.6	541.6	516.0
20°	999.0	1064.2	1078.2	1074.1	1059.2	1025.4	953.6	784.3	707.5	667.9
22.5°	1180.6	1163.3	1142.6	1126.1	1122.0	1131.9	1122.0	991.5	931.3	861.1
25°	1303.6	1205.4	1143.4	1113.7	1127.8	1184.7	1246.6	1197.9	1150.0	1077.4
27.5°	1370.5	1200.4	1111.2	1080.7	1104.6	1185.5	1320.1	1402.7	1353.1	1318.5
30°	1406.8	1196.3	1090.6	1060.9	1097.2	1198.8	1371.3	1594.2	1595.9	1540.6
32.5°	1458.8	1222.7	1094.7	1067.5	1116.2	1238.4	1435.7	1789.1	1836.9	1807.2
35°	1517.4	1263.2	1113.7	1089.0	1149.2	1291.2	1507.5	1985.5	2085.4	2075.5
37.5°	1572.8	1308.6	1158.3	1134.4	1199.6	1336.6	1576.9	2178.7	2317.4	2352.1
40°	1630.5	1372.1	1295.4	1318.5	1354.8	1408.5	1638.8	2346.3	2572.5	2624.6
42.5°	1766.8	1592.6	1709.8	1753.6	1758.5	1647.9	1774.2	2561.0	2823.5	2885.4
45°	2070.6	1984.7	2320.7	2382.7	2350.5	2015.3	2100.3	2870.6	3174.4	3205.8
47.5°	2454.5	2494.1	3157.1	3370.9	3177.7	2448.7	2495.8	3522.0	3816.7	3805.2
50°	2902.0	3089.4	4106.5	4610.9	4148.6	3011.8	2951.5	4322.8	4680.3	4644.8
52.5°	3431.2	3781.2	5247.5	5964.1	5526.5	3645.0	3620.2	5383.7	5601.6	5488.5
55°	4097.4	4449.1	6560.1	7561.6	6939.1	4417.7	4502.8	6613.8	6655.9	6296.8
57.5°	5091.4	5320.1	8107.3	9393.6	8413.6	5467.9	6084.6	8251.0	7747.4	7067.1
60°	6896.2	6440.4	9602.5	11267.7	9982.2	6944.9	8170.9	9221.0	8110.6	7172.7
62.5°	7524.4	7391.5	10538.7	12060.2	11037.3	8157.7	8713.3	8671.2	7640.0	6773.2
65°	6572.5	7154.6	10371.1	11641.7	10901.9	7957.9	7819.2	8064.4	7110.0	6166.3
67.5°	6071.4	6598.1	9736.2	10486.7	10151.5	7280.1	6969.6	6902.8	5969.0	5217.7
70°	5566.1	6087.9	8815.7	8909.0	8752.9	6175.4	5767.6	5319.3	4461.5	3808.5
72.5°	4958.5	5245.8	7538.5	7096.0	6919.3	4850.3	4764.5	4005.8	3344.5	2783.9
75°	4324.4	4241.1	5877.4	4870.2	5002.3	3773.8	4023.9	2941.6	2450.4	2003.7
77.5°	3145.5	3083.6	3936.4	2958.1	3275.9	2471.8	2220.8	1174.0	1117.9	964.3
80°	1755.2	2116.0	2125.9	1657.8	2068.1	1611.6	555.6	38.8	24.8	36.3
82.5°	815.7	909.8	1152.5	768.6	1179.8	798.3	114.8	0.0	0.0	0.0
85°	264.2	386.4	323.6	113.1	285.7	270.0	19.0	0.0	0.0	0.0
87.5°	15.7	32.2	8.3	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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