

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: P635075

Luminaire Tested: GWS-SA3D-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8044.6 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

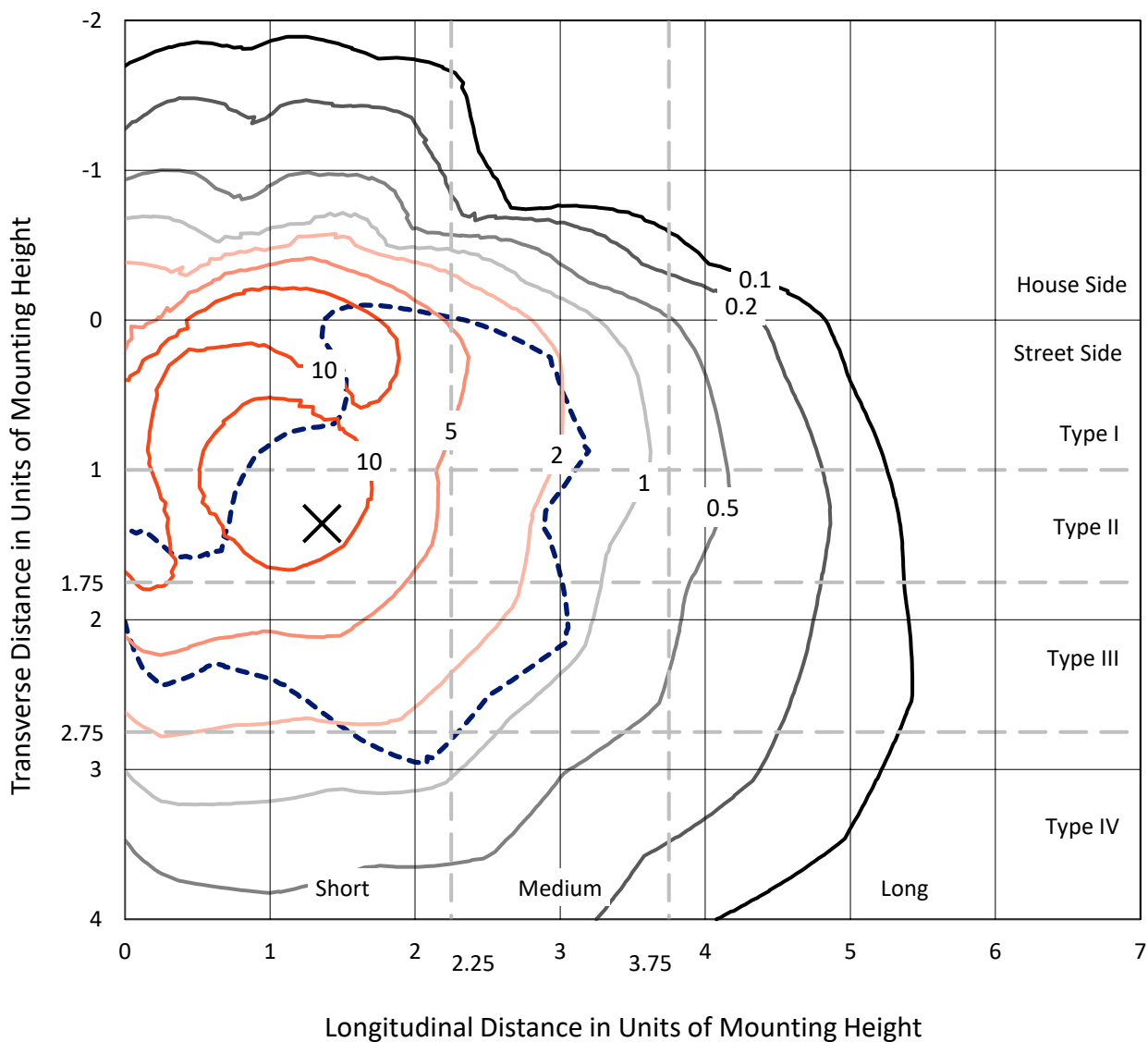
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

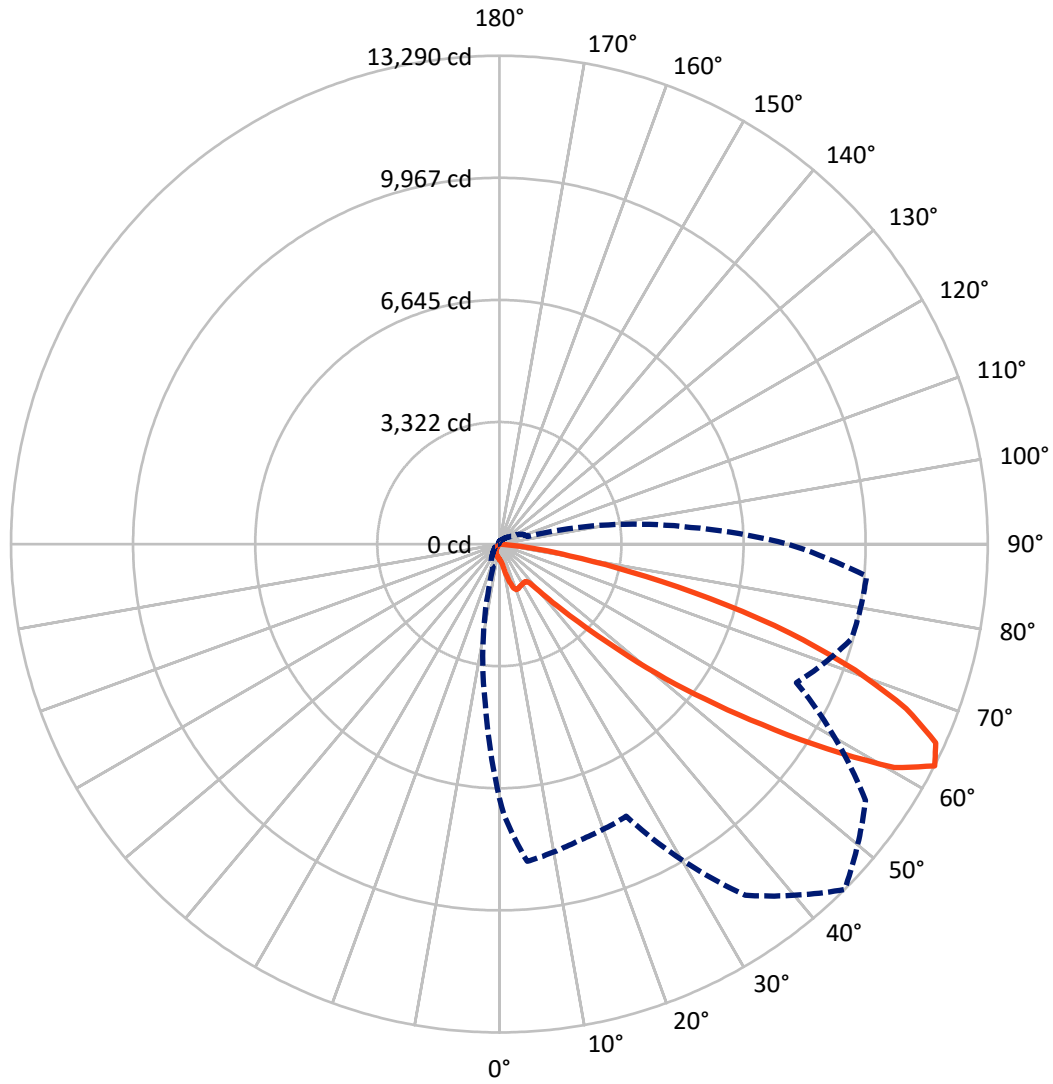
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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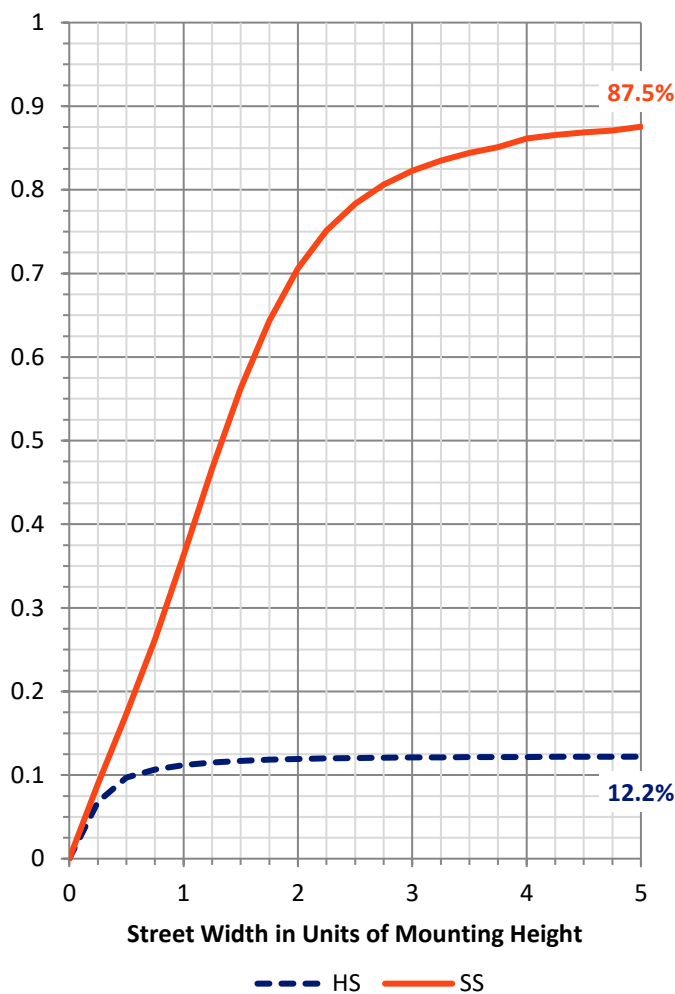
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	992.7	0.0	992.7
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	7051.9	0.0	7051.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	8044.6	0.0	8044.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	0.5
10°-20°	140.3	1.7
20°-30°	304.9	3.8
30°-40°	500.4	6.2
40°-50°	920.0	11.4
50°-60°	1975.6	24.6
60°-70°	2653.6	33.0
70°-80°	1381.7	17.2
80°-90°	131.0	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°	8044.6	100.0
0°-180°	8044.6	100.0

Coefficient of Utilization



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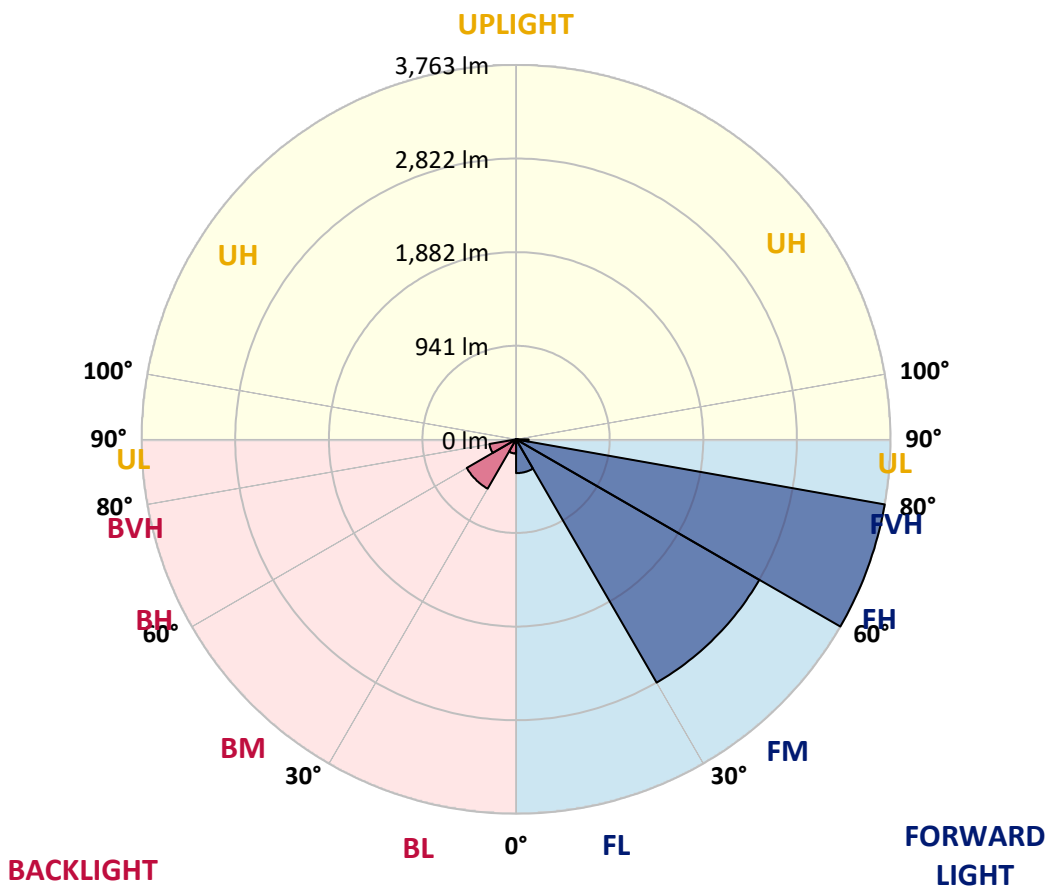
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.8	4.2			
FM (30°-60°)	2823.6	35.1			
FH (60°-80°)	3763.3	46.8			G2/5000
FVH (80°-90°)	125.2	1.6			G2/225
BL (0°-30°)	142.4	1.8	B1/500		
BM (30°-60°)	572.5	7.1	B1/1000		
BH (60°-80°)	272.0	3.4	B1/500		G1/500
BVH (80°-90°)	5.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	426.5	428.4	430.2	436.7	441.4	445.1	446.0	443.2	436.7	430.2	420.9
5°	413.5	415.4	421.9	439.5	457.2	471.1	475.8	473.0	457.2	436.7	415.4
7.5°	412.6	416.3	432.1	469.3	507.4	536.2	543.6	537.1	507.4	466.5	422.8
10°	446.0	452.5	475.8	542.7	612.4	663.5	683.9	656.0	608.6	534.3	462.8
12.5°	533.4	544.5	589.1	686.7	794.5	862.3	890.2	855.8	781.5	673.7	560.3
15°	670.9	687.6	754.5	900.4	1027.7	1088.1	1097.4	1077.9	991.5	872.5	720.1
17.5°	865.1	889.3	993.3	1142.0	1234.0	1255.4	1252.6	1232.2	1169.0	1087.2	943.2
20°	1097.4	1126.2	1228.4	1351.1	1360.4	1335.3	1321.4	1309.3	1287.9	1274.0	1161.5
22.5°	1331.6	1366.9	1473.7	1504.4	1420.8	1348.3	1313.9	1323.2	1354.8	1423.6	1378.0
25°	1564.8	1598.3	1698.6	1615.9	1448.7	1327.9	1284.2	1306.5	1381.8	1530.4	1589.0
27.5°	1837.1	1862.2	1921.6	1692.1	1453.3	1311.1	1268.4	1302.8	1394.8	1597.3	1820.3
30°	2120.5	2135.4	2106.6	1712.6	1437.5	1286.0	1252.6	1302.8	1417.1	1641.9	1994.1
32.5°	2328.6	2331.4	2237.6	1714.4	1429.1	1265.6	1237.7	1297.2	1438.4	1679.1	2162.3
35°	2543.3	2529.3	2363.0	1742.3	1451.4	1273.0	1248.9	1313.0	1471.9	1722.8	2310.1
37.5°	2760.7	2735.6	2503.3	1787.8	1509.1	1353.9	1339.0	1393.8	1525.8	1783.2	2472.7
40°	2983.7	2949.4	2649.2	1856.6	1637.3	1628.9	1680.0	1673.5	1673.5	1860.3	2639.9
42.5°	3256.0	3216.0	2864.8	2050.8	1936.5	2123.3	2262.7	2176.2	2016.4	2037.8	2857.4
45°	3615.6	3581.2	3238.3	2422.5	2405.8	2835.1	3022.8	2851.8	2454.1	2447.6	3220.7
47.5°	4190.8	4184.3	3834.0	2853.6	2980.0	3741.1	4103.5	3774.5	2953.1	2881.5	3908.3
50°	4999.2	4979.7	4576.4	3359.1	3663.0	4863.6	5510.3	4962.1	3556.1	3388.0	4829.2
52.5°	5909.9	5930.3	5616.2	3911.1	4388.7	6112.4	7012.9	6322.4	4211.2	4031.9	5987.9
55°	6767.5	6884.6	6801.9	4556.9	5097.7	7491.4	8663.2	7814.8	5022.5	4874.7	7287.0
57.5°	7438.4	7768.3	8348.1	5495.4	5931.2	9104.5	10505.8	9432.6	5969.3	6243.5	9055.3
60°	7475.6	7912.3	9258.8	7458.9	7003.6	10488.2	12345.7	11013.2	7458.0	8567.4	10440.8
62.5°	6915.3	7383.6	8665.9	8350.9	8171.6	11665.5	13289.8	12165.4	8922.4	9928.8	10030.0
65°	6274.1	6747.1	8004.3	7339.0	8035.9	11615.3	13050.0	12192.3	9055.3	9003.3	9295.0
67.5°	5304.9	5729.6	6867.9	6496.2	7406.8	11055.0	11942.4	11423.9	8342.6	8420.6	8550.7
70°	3872.1	4280.9	5337.5	5356.0	6468.3	10044.9	10261.4	10189.9	7682.8	7765.5	7393.8
72.5°	2797.0	3141.7	4053.3	4392.4	5163.7	8423.4	8273.8	8549.8	6591.9	6916.2	5938.7
75°	2010.8	2269.2	2973.5	3821.0	4093.2	6255.5	5922.9	6621.7	5289.1	5955.4	4464.9
77.5°	815.9	906.9	1169.9	2574.0	2690.1	4208.5	3625.8	4809.7	3770.8	3913.0	2164.2
80°	33.5	37.2	48.3	1328.8	1844.5	2367.7	1940.2	2571.2	2490.3	1576.0	511.1
82.5°	3.7	3.7	8.4	382.8	807.5	1306.5	914.4	1481.2	1261.0	668.1	232.3
85°	0.9	0.9	1.9	43.7	189.6	209.1	123.6	454.4	586.3	273.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	8.4	9.3	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°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	420.9	416.3	410.7	405.1	402.4	394.9	392.1	390.3	388.4	389.3	389.3
5°	407.0	396.8	384.7	372.6	366.1	358.7	355.0	353.1	354.0	357.8	357.8
7.5°	405.1	385.6	359.6	343.8	336.4	330.8	327.1	325.2	326.2	330.8	332.7
10°	435.8	401.4	355.0	328.0	319.7	314.1	310.4	307.6	305.7	309.4	310.4
12.5°	501.8	454.4	377.3	326.2	311.3	303.9	301.1	295.5	292.7	294.6	295.5
15°	638.4	556.6	421.9	333.6	303.9	295.5	290.8	286.2	281.6	280.6	281.6
17.5°	816.8	699.7	489.7	351.2	298.3	288.1	281.6	275.1	268.5	267.6	266.7
20°	1037.9	875.3	584.5	379.1	293.6	281.6	272.3	263.0	254.6	251.8	251.8
22.5°	1239.6	1087.2	706.2	413.5	287.1	272.3	261.1	250.0	240.7	236.0	235.1
25°	1485.8	1312.1	852.1	453.5	277.8	260.2	248.1	237.0	227.7	222.1	220.2
27.5°	1733.9	1549.0	1017.5	505.5	266.7	248.1	237.0	226.7	216.5	210.0	208.1
30°	1974.6	1804.6	1203.3	570.5	258.3	236.0	226.7	216.5	207.2	197.0	194.2
32.5°	2232.9	2065.7	1411.5	643.0	251.8	227.7	217.4	208.1	196.1	186.8	182.1
35°	2482.0	2335.1	1641.0	713.6	245.3	220.2	209.1	199.8	186.8	176.6	170.0
37.5°	2732.8	2609.3	1880.7	756.4	236.0	210.0	199.8	192.3	177.5	165.4	158.0
40°	2998.6	2892.7	2140.0	738.7	227.7	198.9	193.3	184.9	168.2	154.3	145.0
42.5°	3290.4	3163.1	2403.9	670.9	220.2	189.6	184.0	175.6	159.8	143.1	131.0
45°	3657.4	3459.5	2620.4	568.7	223.9	180.3	169.1	167.3	152.4	131.0	116.2
47.5°	4288.4	3914.8	2788.6	502.7	249.0	170.0	157.0	161.7	145.9	118.9	102.2
50°	5253.8	4669.4	2945.6	498.1	287.1	165.4	145.9	158.0	139.4	106.9	90.1
52.5°	6173.8	5436.0	3046.0	538.9	320.6	177.5	134.7	153.3	134.7	98.5	81.8
55°	7053.7	5878.3	2866.7	568.7	352.2	213.7	126.4	145.9	129.2	93.9	79.0
57.5°	8002.5	6075.3	2257.1	629.1	374.5	244.4	128.2	134.7	121.7	91.1	78.1
60°	8285.9	5823.4	1362.2	708.1	362.4	253.7	142.2	119.9	111.5	85.5	75.3
62.5°	7845.4	5226.0	803.8	644.9	352.2	239.7	162.6	110.6	101.3	78.1	69.7
65°	7186.6	4414.7	524.1	544.5	373.5	213.7	172.8	105.9	92.0	70.6	61.3
67.5°	6433.9	3556.1	367.0	321.5	344.7	192.3	145.9	105.0	82.7	59.5	50.2
70°	5419.2	2663.2	258.3	212.8	287.1	171.0	113.4	102.2	72.5	48.3	39.0
72.5°	4187.1	1667.0	192.3	137.5	204.4	139.4	90.1	86.4	58.5	40.0	29.7
75°	3087.8	950.6	135.7	99.4	134.7	105.9	66.9	61.3	50.2	38.1	26.9
77.5°	1612.2	475.8	84.6	76.2	77.1	66.0	48.3	44.6	46.5	38.1	25.1
80°	309.4	94.8	51.1	55.8	41.8	41.8	35.3	37.2	40.9	30.7	21.4
82.5°	129.2	20.4	27.9	31.6	26.0	28.8	28.8	29.7	28.8	22.3	15.8
85°	0.0	0.0	12.1	13.0	17.7	17.7	14.9	14.9	14.9	13.0	9.3
87.5°	0.0	0.0	0.0	0.0	0.9	2.8	5.6	6.5	7.4	5.6	3.7
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°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	388.4	386.6	389.3	391.2	393.1	393.1	391.2	389.3	386.6	389.3	386.6
5°	358.7	361.5	366.1	368.0	369.8	366.1	364.3	358.7	354.0	355.0	353.1
7.5°	335.4	338.2	343.8	347.5	347.5	345.7	340.1	334.5	327.1	327.1	326.2
10°	314.1	317.8	324.3	328.9	330.8	328.9	323.4	315.9	309.4	309.4	306.6
12.5°	296.4	301.1	308.5	315.0	316.9	315.0	309.4	302.0	294.6	294.6	292.7
15°	281.6	287.1	295.5	302.9	305.7	302.9	296.4	287.1	279.7	280.6	277.8
17.5°	267.6	272.3	283.4	291.8	294.6	291.8	283.4	271.3	263.9	265.8	263.9
20°	251.8	257.4	268.5	277.8	280.6	277.8	268.5	255.5	248.1	248.1	249.0
22.5°	235.1	240.7	251.8	258.3	262.0	259.3	250.0	237.9	230.4	230.4	231.4
25°	220.2	223.0	231.4	237.9	238.8	236.0	228.6	219.3	213.7	216.5	217.4
27.5°	206.3	206.3	210.0	213.7	212.8	210.0	207.2	199.8	198.9	201.6	204.4
30°	191.4	186.8	184.9	182.1	181.2	180.3	183.1	183.1	184.9	188.6	191.4
32.5°	178.4	169.1	160.8	152.4	147.7	151.5	158.9	165.4	171.9	177.5	180.3
35°	163.5	148.7	134.7	123.6	116.2	121.7	133.8	145.9	157.0	164.5	169.1
37.5°	148.7	127.3	110.6	96.6	91.1	95.7	108.7	125.4	142.2	151.5	158.0
40°	132.9	105.9	86.4	75.3	69.7	74.3	87.3	104.1	126.4	138.5	146.8
42.5°	117.1	87.3	69.7	58.5	55.8	58.5	68.8	85.5	109.6	124.5	135.7
45°	101.3	72.5	55.8	47.4	44.6	47.4	55.8	69.7	93.9	110.6	123.6
47.5°	87.3	61.3	46.5	39.0	37.2	40.0	46.5	58.5	79.0	95.7	110.6
50°	76.2	53.9	40.0	33.5	31.6	34.4	40.0	49.2	66.9	81.8	97.6
52.5°	68.8	50.2	35.3	28.8	27.9	29.7	34.4	41.8	56.7	69.7	84.6
55°	66.9	50.2	32.5	26.0	25.1	26.9	30.7	36.2	49.2	60.4	73.4
57.5°	68.8	53.9	30.7	22.3	21.4	23.2	26.9	31.6	42.7	52.0	64.1
60°	68.8	54.8	26.9	17.7	16.7	18.6	22.3	27.9	38.1	45.5	55.8
62.5°	62.3	50.2	22.3	13.9	12.1	13.9	18.6	23.2	33.5	40.9	49.2
65°	53.9	42.7	18.6	10.2	8.4	10.2	14.9	19.5	28.8	35.3	44.6
67.5°	43.7	32.5	13.9	7.4	5.6	7.4	11.2	15.8	24.2	30.7	40.0
70°	32.5	23.2	11.2	6.5	5.6	6.5	10.2	14.9	21.4	27.9	37.2
72.5°	24.2	15.8	9.3	6.5	4.6	6.5	9.3	13.9	20.4	26.9	35.3
75°	20.4	13.0	8.4	5.6	4.6	5.6	8.4	13.0	18.6	25.1	33.5
77.5°	19.5	12.1	7.4	4.6	3.7	4.6	7.4	11.2	16.7	23.2	32.5
80°	16.7	10.2	6.5	3.7	2.8	3.7	6.5	9.3	13.0	17.7	25.1
82.5°	13.0	8.4	4.6	1.9	0.9	1.9	4.6	5.6	8.4	10.2	14.9
85°	8.4	4.6	1.9	0.0	0.0	0.0	1.9	3.7	3.7	4.6	7.4
87.5°	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8
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°	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2	418.2
2.5°	392.1	393.1	394.9	397.7	404.2	409.8	415.4	422.8	426.5	426.5
5°	355.0	355.9	356.8	360.5	369.8	377.3	389.3	404.2	411.6	413.5
7.5°	326.2	328.0	329.9	332.7	342.0	352.2	368.0	395.8	409.8	412.6
10°	309.4	312.2	315.9	321.5	329.9	341.0	368.0	418.2	441.4	446.0
12.5°	296.4	301.1	304.8	311.3	321.5	339.2	393.1	481.3	522.2	533.4
15°	283.4	289.0	294.6	301.1	312.2	345.7	441.4	594.7	662.5	670.9
17.5°	270.4	276.9	284.3	291.8	305.7	361.5	517.6	751.7	846.5	865.1
20°	255.5	263.9	274.1	283.4	299.2	386.6	623.5	938.5	1057.5	1097.4
22.5°	239.7	250.0	262.0	274.1	291.8	417.2	751.7	1139.2	1305.6	1331.6
25°	226.7	237.0	248.1	260.2	279.7	454.4	906.9	1388.3	1539.7	1564.8
27.5°	214.7	224.9	235.1	246.2	267.6	502.7	1093.7	1653.1	1811.1	1837.1
30°	201.6	213.7	223.9	235.1	256.5	562.2	1309.3	1946.7	2096.3	2120.5
32.5°	190.5	202.6	212.8	223.9	248.1	627.2	1536.0	2206.9	2328.6	2328.6
35°	181.2	194.2	201.6	216.5	241.6	669.0	1750.7	2455.0	2547.0	2543.3
37.5°	171.0	186.8	192.3	202.6	233.2	673.7	1952.3	2717.1	2784.9	2760.7
40°	160.8	177.5	185.8	191.4	223.9	635.6	2173.5	2957.7	3015.3	2983.7
42.5°	151.5	164.5	176.6	183.1	218.4	568.7	2350.9	3215.1	3283.9	3256.0
45°	142.2	153.3	160.8	172.8	222.1	522.2	2503.3	3515.3	3636.1	3615.6
47.5°	132.9	142.2	146.8	165.4	247.2	500.9	2596.3	3979.9	4207.5	4190.8
50°	122.7	133.8	133.8	163.5	284.3	508.3	2677.1	4652.6	5004.8	4999.2
52.5°	112.4	124.5	122.7	177.5	313.1	542.7	2769.1	5246.4	5858.8	5909.9
55°	102.2	113.4	115.2	205.4	329.9	572.4	2413.2	5496.4	6588.2	6767.5
57.5°	91.1	97.6	119.9	226.7	324.3	658.8	1653.1	5541.9	7053.7	7438.4
60°	79.0	84.6	135.7	222.1	306.6	608.6	1040.7	5133.0	6987.8	7475.6
62.5°	68.8	78.1	143.1	196.1	312.2	527.8	663.5	4374.8	6358.7	6915.3
65°	60.4	75.3	130.1	177.5	315.9	357.8	447.9	3558.9	5744.5	6274.1
67.5°	53.9	83.6	106.9	158.0	271.3	251.8	307.6	2765.4	4830.1	5304.9
70°	49.2	85.5	87.3	135.7	210.0	161.7	202.6	1861.2	3329.4	3872.1
72.5°	44.6	63.2	66.0	108.7	135.7	98.5	131.0	1064.9	2427.1	2797.0
75°	42.7	42.7	45.5	70.6	75.3	71.6	84.6	635.6	1740.4	2010.8
77.5°	40.0	32.5	28.8	45.5	40.9	51.1	50.2	282.5	754.5	815.9
80°	31.6	23.2	19.5	28.8	27.9	34.4	29.7	23.2	34.4	33.5
82.5°	19.5	14.9	13.9	17.7	15.8	17.7	13.9	3.7	3.7	3.7
85°	9.3	8.4	7.4	7.4	8.4	7.4	5.6	1.9	0.9	0.9
87.5°	4.6	4.6	3.7	2.8	3.7	3.7	2.8	0.9	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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