

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P367775

Luminaire Tested: **PMM-SA3A-830-U-SLL-HSS**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P367775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3A-830-U-SLL-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6800 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

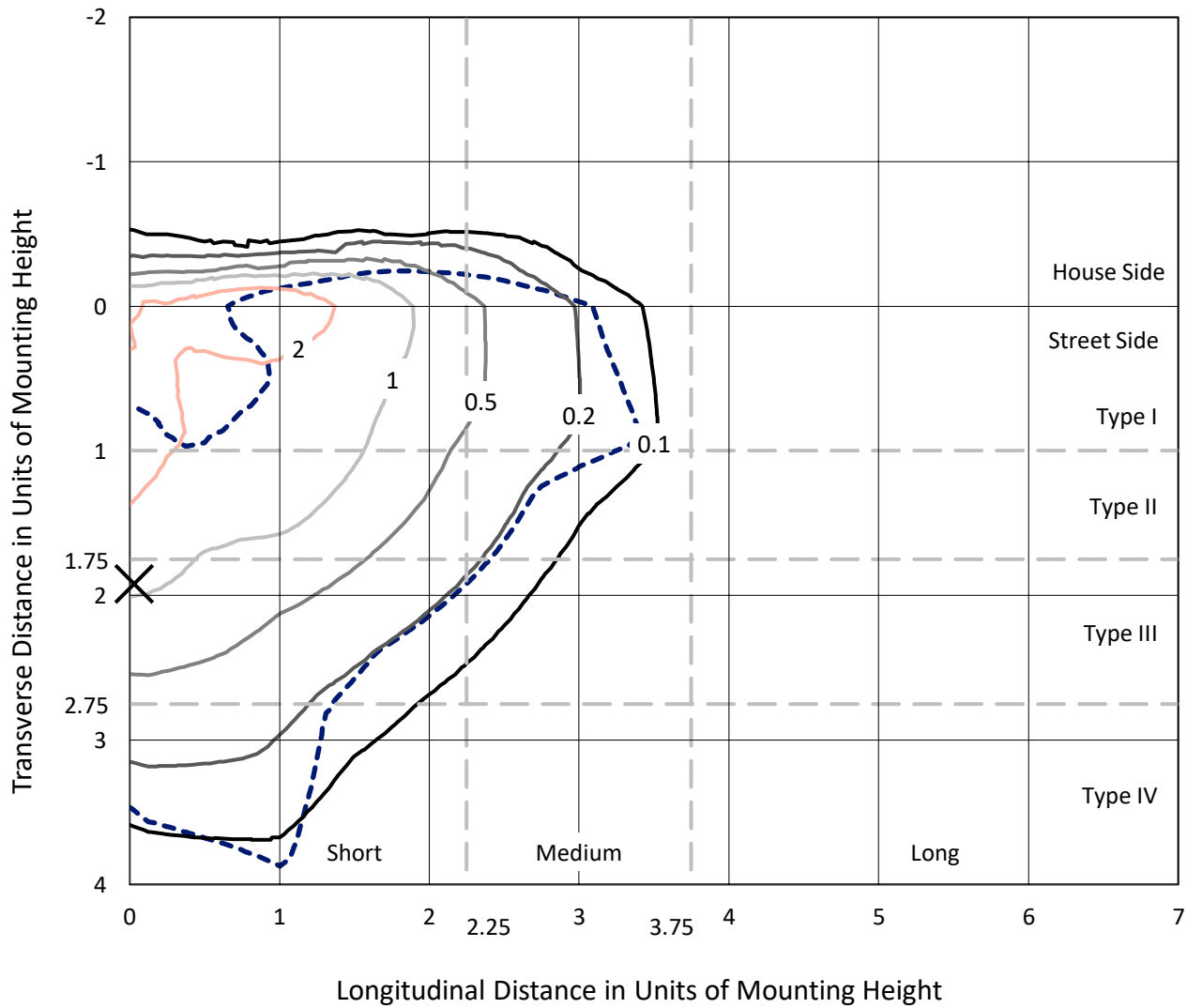
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

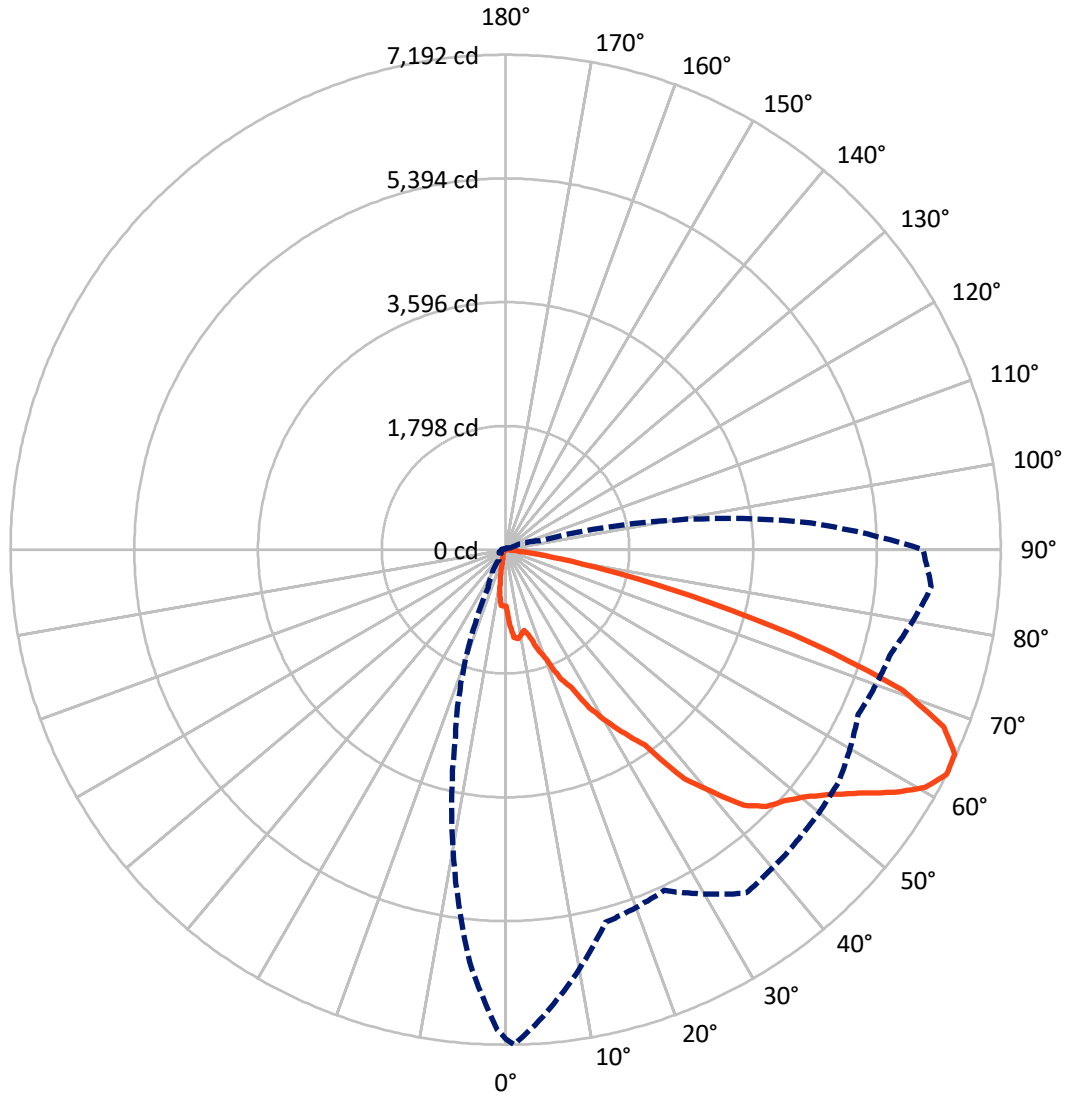
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 1-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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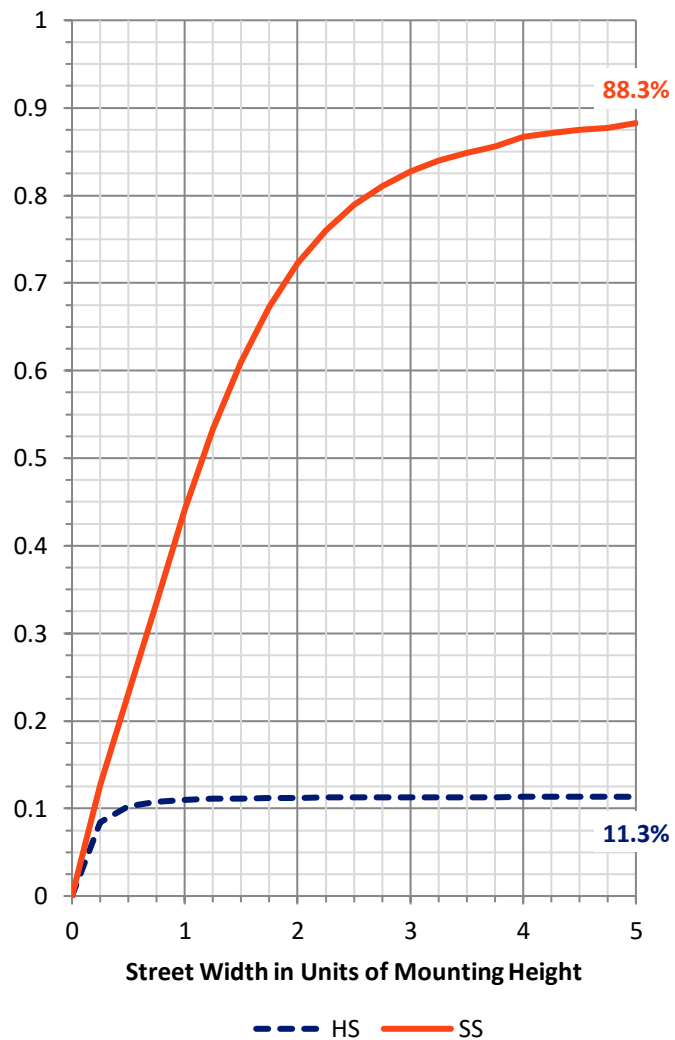
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	777.6	0.0	777.6
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	6022.4	0.0	6022.4
	% Fixture	88.6	0.0	88.6
Total	Lumens	6800.0	0.0	6800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.3
10°-20°	239.1	3.5
20°-30°	386.4	5.7
30°-40°	647.3	9.5
40°-50°	1058.4	15.6
50°-60°	1566.8	23.0
60°-70°	1798.8	26.5
70°-80°	889.5	13.1
80°-90°	122.1	1.8
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°	6800.0	100.0
0°-180°	6800.0	100.0

Coefficient of Utilization

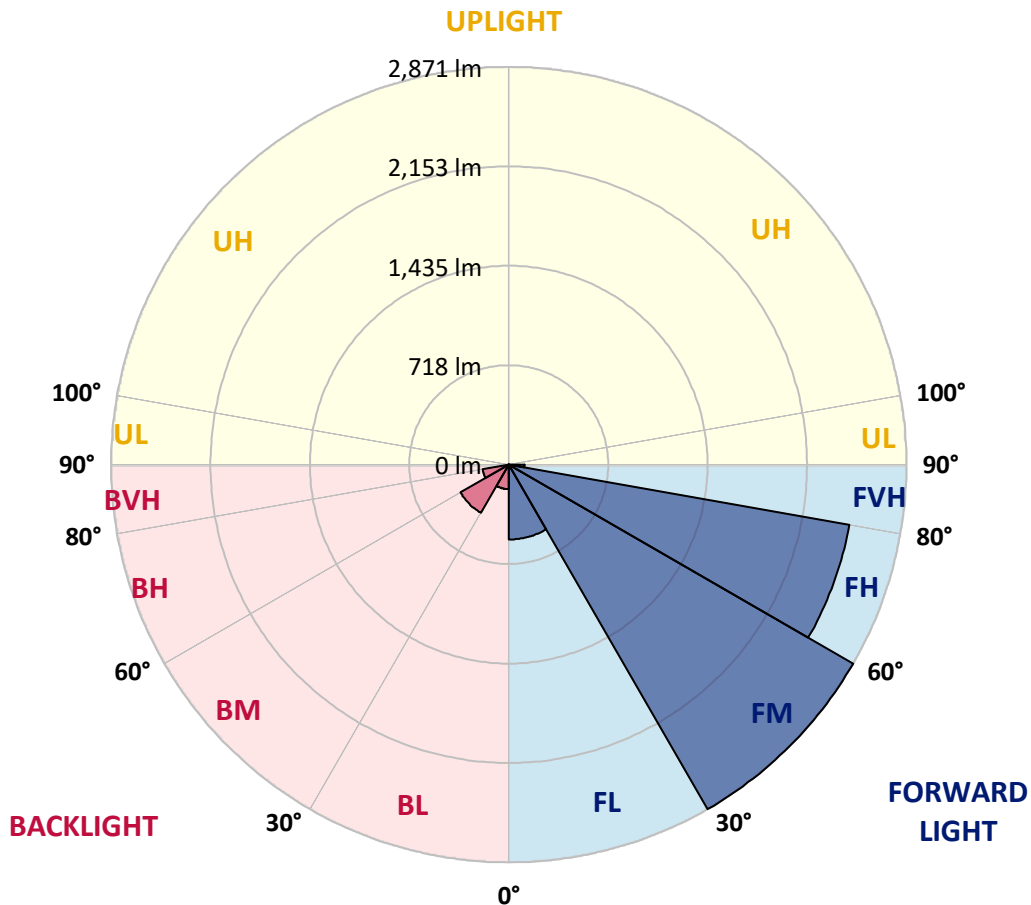


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.1	7.9			
FM (30°-60°)	2870.9	42.2			
FH (60°-80°)	2496.0	36.7			G2/5000
FVH (80°-90°)	115.3	1.7			G2/225
BL (0°-30°)	176.9	2.6	B1/500		
BM (30°-60°)	401.6	5.9	B1/1000		
BH (60°-80°)	192.3	2.8	B1/500		G1/500
BVH (80°-90°)	6.8	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°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2
2.5°	1056.3	1061.4	1037.7	1034.6	979.6	1048.2	1050.1	1058.3	1007.9	910.2	1046.6
5°	1264.0	1278.0	1259.8	1340.7	1364.0	1414.0	1322.1	1404.3	1369.4	1379.1	1398.9
7.5°	1288.8	1303.2	1341.5	1477.1	1602.3	1570.9	1560.8	1591.8	1589.1	1517.4	1553.1
10°	1237.3	1249.3	1313.2	1560.1	1614.7	1755.7	1790.2	1718.9	1689.9	1532.9	1464.4
12.5°	1181.1	1201.2	1282.6	1578.7	1742.6	1885.2	1998.7	1897.2	1800.7	1633.7	1570.9
15°	1288.8	1300.1	1427.9	1617.4	1760.8	1859.2	1952.2	1918.5	1903.8	1783.6	1570.9
17.5°	1500.0	1526.4	1619.0	1712.3	1825.5	1884.8	1862.7	1852.2	1814.6	2003.4	1783.3
20°	1650.4	1699.6	1820.8	1861.1	1771.2	1826.7	1813.1	1803.8	1774.3	2125.4	2027.4
22.5°	1975.8	2021.2	2023.5	2037.8	1828.6	1740.2	1717.8	1720.5	1854.2	2161.8	2331.2
25°	2197.5	2213.0	2335.4	2233.1	1985.1	1766.6	1681.0	1719.3	1911.9	2423.8	2616.8
27.5°	2560.2	2597.0	2673.3	2326.9	2078.9	1749.9	1613.5	1753.0	2063.8	2510.6	2934.1
30°	2855.9	2891.1	3014.0	2455.2	2160.3	1832.5	1642.6	1820.8	2158.4	2689.2	3219.3
32.5°	3095.7	3186.8	3326.3	2653.2	2157.2	1927.4	1791.0	1798.4	2274.6	2920.6	3501.4
35°	3402.2	3487.1	3585.1	2789.6	2298.2	1958.0	1834.8	2019.2	2447.4	3162.4	3881.2
37.5°	4093.1	4221.4	4027.6	3133.3	2462.5	2234.7	2007.6	2155.3	2628.4	3409.2	4403.1
40°	4514.7	4622.8	4435.7	3308.8	2747.0	2374.2	2316.1	2391.6	2805.5	3536.7	4796.4
42.5°	4930.1	5072.7	4760.0	3573.1	3017.1	2767.9	2609.0	2669.9	3061.6	3844.4	5239.0
45°	5230.8	5319.2	4830.2	3711.4	3388.3	3216.6	3110.8	3020.2	3418.9	4042.0	5524.5
47.5°	5381.9	5452.5	4968.5	3755.2	3609.1	3691.3	3923.0	3733.5	3735.1	4185.0	5678.4
50°	5591.2	5640.4	5046.0	3807.5	3849.0	4431.0	4548.1	4144.7	4096.2	4328.3	5703.6
52.5°	5885.3	5909.3	5196.3	3945.5	4208.2	5010.3	5052.6	4889.4	4457.8	4594.9	5759.4
55°	6276.3	6234.1	5464.9	4235.3	4582.9	5434.6	5491.2	5349.0	4912.3	4861.2	5932.2
57.5°	6697.9	6649.5	5862.8	4643.8	4989.4	5759.0	5792.7	5803.9	5214.2	5096.8	6225.9
60°	7000.1	7009.0	6363.9	5112.2	5242.1	6069.4	6001.9	5899.6	5518.7	5442.0	6368.9
62.5°	7105.9	7191.6	6754.1	5603.2	5459.8	6088.7	5984.1	5897.7	5655.1	5798.1	6205.0
65°	7019.5	7169.1	6844.7	6034.5	5591.6	5845.8	5736.9	5681.5	5650.9	5943.4	5842.3
67.5°	6676.2	6863.3	6585.1	6038.4	5112.6	4977.4	5106.1	5281.6	5180.1	5822.9	5334.3
70°	5907.0	6112.0	5982.6	5684.2	4259.0	3916.0	4057.9	4323.3	4251.6	5178.9	4586.8
72.5°	4431.8	4695.3	4720.9	4907.3	3380.9	2947.3	2967.8	2960.5	3084.1	4176.1	3579.3
75°	2846.9	3051.9	3329.0	3959.8	2568.3	2151.8	1954.9	1906.9	2137.4	3263.1	2562.5
77.5°	1652.7	1677.1	1805.0	2987.6	1839.4	1550.4	1416.3	1484.9	1565.5	2277.3	1698.4
80°	790.5	802.9	855.6	1537.2	1278.0	1341.9	1238.4	1315.6	1074.9	1309.0	963.7
82.5°	250.7	253.4	262.3	755.2	793.6	888.9	569.6	763.8	664.6	791.3	641.7
85°	41.8	71.3	88.0	218.2	447.9	299.9	123.6	272.4	370.8	499.1	291.4
87.5°	0.0	0.0	0.0	3.9	36.4	17.0	2.7	15.5	57.0	111.2	13.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2
2.5°	1086.2	1112.9	1012.1	921.9	944.7	926.5	899.0	852.1	743.6	823.4	818.0
5°	1397.7	1348.1	1211.7	1148.2	1070.7	952.5	938.1	847.5	807.5	814.1	808.3
7.5°	1506.2	1417.5	1297.0	1105.5	923.8	753.3	701.0	641.7	629.7	655.3	671.9
10°	1421.0	1326.8	1221.4	983.5	843.6	720.4	591.3	508.4	463.4	458.0	462.7
12.5°	1460.1	1358.6	1141.6	959.4	813.4	701.8	557.6	432.4	334.8	342.2	322.8
15°	1487.2	1370.6	1122.6	909.1	751.0	601.8	428.2	303.0	223.2	199.9	186.0
17.5°	1646.5	1479.9	1098.6	850.9	663.8	468.5	268.9	175.5	149.6	141.4	134.8
20°	1851.1	1614.3	1098.2	789.7	535.1	292.9	167.8	127.1	120.9	125.5	120.5
22.5°	2089.0	1793.3	1156.7	713.4	384.0	184.8	130.6	112.8	106.6	110.4	110.8
25°	2328.5	2061.9	1204.3	640.9	267.4	141.8	116.2	103.8	96.9	100.4	98.4
27.5°	2760.9	2284.3	1193.5	548.3	196.8	124.8	108.1	97.3	86.8	92.2	91.8
30°	3043.8	2676.8	1235.7	418.5	156.2	109.3	100.7	88.7	77.5	83.7	83.3
32.5°	3382.1	2845.4	1281.5	321.2	129.8	103.5	90.7	79.0	72.5	76.3	75.6
35°	3762.2	3178.6	1197.4	267.4	112.8	93.4	80.2	71.3	65.5	67.4	67.4
37.5°	4433.7	3457.2	1147.0	217.8	105.0	84.5	75.2	64.3	60.8	60.8	62.8
40°	4815.0	3882.7	996.6	172.4	107.3	77.9	70.1	58.9	54.2	53.9	55.8
42.5°	5311.0	4128.0	902.5	139.5	97.3	75.9	64.3	53.5	48.0	47.7	49.6
45°	5605.1	4265.2	770.0	109.7	87.2	88.3	59.7	49.2	41.1	39.5	43.0
47.5°	5790.8	4446.9	694.8	87.2	75.9	88.0	58.1	42.6	34.5	32.5	35.6
50°	5884.9	4536.8	680.1	74.8	65.9	78.7	66.6	35.6	29.4	26.7	29.4
52.5°	5983.0	4682.9	685.5	69.0	58.1	63.2	63.2	30.6	26.0	22.9	24.8
55°	6181.0	4898.7	673.5	65.5	53.5	48.0	40.7	27.1	23.6	20.1	22.1
57.5°	6424.3	5053.7	673.5	62.4	49.6	41.1	32.5	25.2	21.7	17.4	19.0
60°	6378.2	4890.6	640.1	59.3	46.5	38.4	29.4	23.2	20.1	15.9	17.0
62.5°	6061.6	4446.9	518.5	54.6	43.8	36.4	26.7	22.1	19.0	13.9	15.1
65°	5689.6	3975.7	360.4	49.6	40.7	32.9	24.0	20.9	17.4	12.4	13.2
67.5°	5241.7	3414.2	199.9	44.6	37.6	28.7	22.1	20.5	16.7	11.2	12.0
70°	4464.4	2577.6	107.3	40.7	35.3	26.3	20.9	20.5	16.7	10.8	11.2
72.5°	3351.5	1623.2	62.8	37.2	32.2	24.4	19.8	20.9	16.3	10.5	10.5
75°	2280.4	985.4	44.9	31.8	28.7	20.5	19.0	20.1	16.7	10.5	9.7
77.5°	1550.4	692.5	36.8	28.7	26.0	18.2	19.4	20.1	16.7	8.5	6.6
80°	968.0	357.3	27.9	22.9	22.5	15.9	19.4	17.4	10.8	1.9	0.0
82.5°	677.0	132.9	16.3	17.4	17.4	11.2	15.1	12.4	6.2	0.0	0.0
85°	284.0	22.9	8.9	12.4	10.8	6.6	12.0	9.3	3.9	0.0	0.0
87.5°	5.0	0.0	3.5	7.4	7.7	3.9	6.2	3.9	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°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2
2.5°	843.6	806.8	729.3	766.5	762.6	779.6	781.2	741.7	826.9	879.6	887.4
5°	809.1	784.3	780.0	758.7	753.3	784.7	767.6	766.5	807.5	867.6	868.0
7.5°	672.3	653.3	662.2	637.4	573.5	577.4	583.2	607.6	642.9	682.4	696.7
10°	461.5	510.7	474.7	471.6	465.0	444.5	428.2	441.0	486.7	523.1	536.7
12.5°	329.4	337.1	359.2	351.1	362.3	344.9	338.3	378.2	422.8	460.0	486.7
15°	192.6	205.8	218.9	246.8	258.1	254.6	274.7	308.1	344.1	361.1	394.1
17.5°	135.6	136.8	139.5	169.7	189.5	197.2	209.2	234.4	249.2	256.9	270.5
20°	118.6	115.1	110.4	127.5	146.1	155.8	152.3	172.0	184.1	191.8	201.5
22.5°	107.3	101.5	98.8	104.6	119.0	127.5	129.0	140.7	158.9	164.3	167.4
25°	96.9	93.0	91.1	94.2	101.9	110.0	111.6	126.7	143.0	145.3	151.5
27.5°	89.9	82.5	83.3	85.6	89.1	99.2	102.3	110.8	134.5	137.2	139.1
30°	82.5	74.8	77.1	79.4	77.9	90.3	94.9	104.6	127.5	131.7	134.1
32.5°	75.2	69.4	69.0	71.3	74.0	80.6	90.7	101.9	122.8	128.6	134.5
35°	67.0	62.4	63.2	63.5	67.0	75.6	82.9	88.7	103.1	106.2	108.1
37.5°	61.2	57.3	56.6	60.4	63.9	70.5	73.2	75.9	94.9	101.9	102.3
40°	54.2	51.9	51.9	54.6	62.4	61.6	65.1	73.6	91.8	99.2	100.0
42.5°	49.2	46.1	46.9	49.6	55.0	51.1	58.1	70.5	90.7	98.0	97.6
45°	41.5	40.7	42.2	44.6	46.9	43.4	54.2	67.4	86.8	96.5	93.8
47.5°	34.5	34.5	36.4	38.7	37.6	38.7	49.2	63.2	84.5	93.4	91.4
50°	28.3	28.7	30.6	34.5	31.0	34.1	44.2	58.9	80.6	90.3	88.7
52.5°	24.0	24.4	25.6	28.3	26.7	31.0	40.7	54.6	76.7	84.9	84.1
55°	20.9	21.7	21.7	23.2	24.0	29.1	36.8	50.4	70.9	79.8	78.3
57.5°	18.6	19.4	19.0	20.1	20.9	25.6	32.9	45.7	65.1	72.5	70.1
60°	16.7	17.4	17.0	18.6	18.2	22.1	28.7	40.7	58.9	64.7	62.8
62.5°	14.7	15.5	15.5	16.3	16.7	18.6	24.8	36.0	52.7	57.3	55.8
65°	13.2	13.9	14.3	13.9	14.7	15.9	20.9	32.5	45.7	50.4	48.0
67.5°	12.0	12.8	13.6	12.0	12.8	13.2	17.8	29.1	40.3	44.2	42.2
70°	11.6	12.0	12.0	10.5	10.1	10.5	15.5	24.8	35.3	39.1	36.4
72.5°	10.8	11.2	10.8	8.5	7.4	8.1	13.2	20.9	29.8	32.9	30.6
75°	10.1	10.5	10.1	7.0	4.6	5.8	10.8	18.2	25.6	27.1	26.0
77.5°	8.5	9.3	9.3	5.0	1.5	3.5	8.1	14.7	21.3	21.3	21.7
80°	0.8	2.3	3.9	2.7	0.0	0.4	2.7	7.7	13.6	13.2	14.3
82.5°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	4.6	3.5	3.9
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°	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2	819.2
2.5°	869.2	857.1	872.3	918.4	899.8	903.3	890.9	967.2	1053.6	1056.3
5°	868.8	857.9	880.4	878.5	931.5	989.3	1045.1	1135.4	1263.2	1264.0
7.5°	690.1	754.5	771.1	766.1	834.3	913.7	999.7	1172.6	1277.6	1288.8
10°	622.3	650.2	684.3	696.7	725.0	800.6	897.8	1093.5	1211.3	1237.3
12.5°	539.4	628.5	673.9	761.8	778.1	788.9	942.4	1112.5	1184.2	1181.1
15°	446.8	524.3	596.0	703.3	747.5	861.4	982.3	1205.1	1247.7	1288.8
17.5°	316.2	374.7	484.8	597.5	732.4	856.4	1092.4	1370.6	1451.2	1500.0
20°	211.6	239.9	339.4	488.6	659.5	782.7	1137.3	1520.2	1608.1	1650.4
22.5°	171.7	185.2	236.8	358.0	563.4	779.3	1155.5	1683.3	1919.7	1975.8
25°	151.1	160.4	187.9	265.0	467.7	763.8	1256.3	1867.0	2152.2	2197.5
27.5°	132.1	146.1	166.6	218.5	401.1	752.9	1307.4	2175.4	2515.6	2560.2
30°	126.3	143.4	163.1	199.2	354.6	711.1	1388.8	2453.6	2776.4	2855.9
32.5°	136.4	142.2	151.9	182.5	318.5	666.9	1531.8	2786.1	2992.3	3095.7
35°	108.1	118.6	135.6	167.4	303.4	664.6	1612.8	3000.0	3338.3	3402.2
37.5°	105.8	115.5	137.6	163.1	321.6	682.4	1732.9	3438.3	3962.2	4093.1
40°	102.7	115.1	136.0	161.2	321.6	699.8	1809.6	3788.9	4381.8	4514.7
42.5°	101.5	117.4	135.6	169.3	311.5	709.5	1925.5	4138.9	4825.1	4930.1
45°	100.7	119.7	136.8	179.0	309.2	741.3	1991.0	4309.0	5110.3	5230.8
47.5°	98.8	119.7	152.7	173.2	296.4	738.2	2075.8	4561.2	5280.4	5381.9
50°	97.3	120.5	172.8	162.4	298.4	719.2	2190.9	4798.0	5518.7	5591.2
52.5°	93.8	123.2	169.7	147.2	292.6	717.3	2362.6	5134.7	5832.2	5885.3
55°	86.0	119.7	153.4	128.6	272.0	695.2	2590.0	5572.6	6267.0	6276.3
57.5°	79.0	111.2	128.3	118.2	227.8	697.9	2786.1	5975.6	6654.5	6697.9
60°	72.1	115.5	99.6	110.0	188.7	648.3	2881.0	6129.8	6936.6	7000.1
62.5°	65.5	106.6	84.9	101.1	168.2	602.2	2815.2	6005.8	6972.6	7105.9
65°	58.1	74.0	71.7	90.7	170.1	537.5	2595.1	5642.7	6835.8	7019.5
67.5°	50.0	58.1	63.2	78.3	182.1	482.0	2217.6	5059.9	6468.1	6676.2
70°	43.8	52.3	55.0	68.6	189.5	445.6	1749.9	4251.2	5714.8	5907.0
72.5°	36.4	48.4	49.2	60.1	182.5	409.6	1247.0	3051.9	4339.6	4431.8
75°	31.4	40.3	44.6	50.4	153.4	305.7	687.0	1889.0	2743.9	2846.9
77.5°	28.3	30.6	33.7	34.9	65.1	159.3	236.4	1164.8	1536.4	1652.7
80°	21.7	24.0	23.2	24.0	35.6	55.0	89.9	546.0	725.8	790.5
82.5°	7.0	11.6	12.8	10.8	23.2	27.1	26.0	188.7	236.0	250.7
85°	1.5	4.3	1.9	0.0	7.7	13.9	1.9	28.7	56.6	41.8
87.5°	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

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