

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: P156316

Luminaire Tested: **AVM-F05-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156316
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F05-LED-E-U-T4-HSS-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (35) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8191.4 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

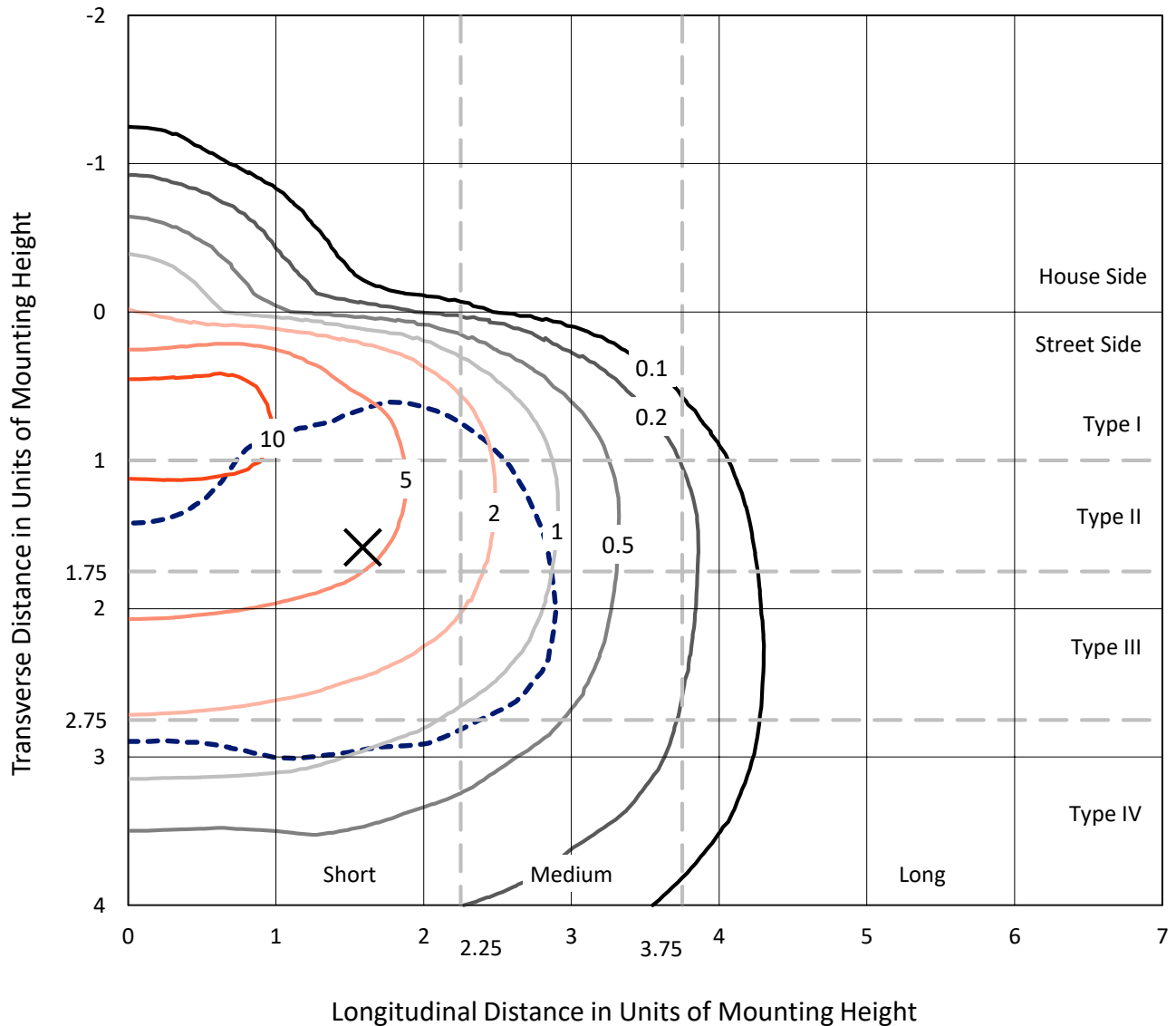
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

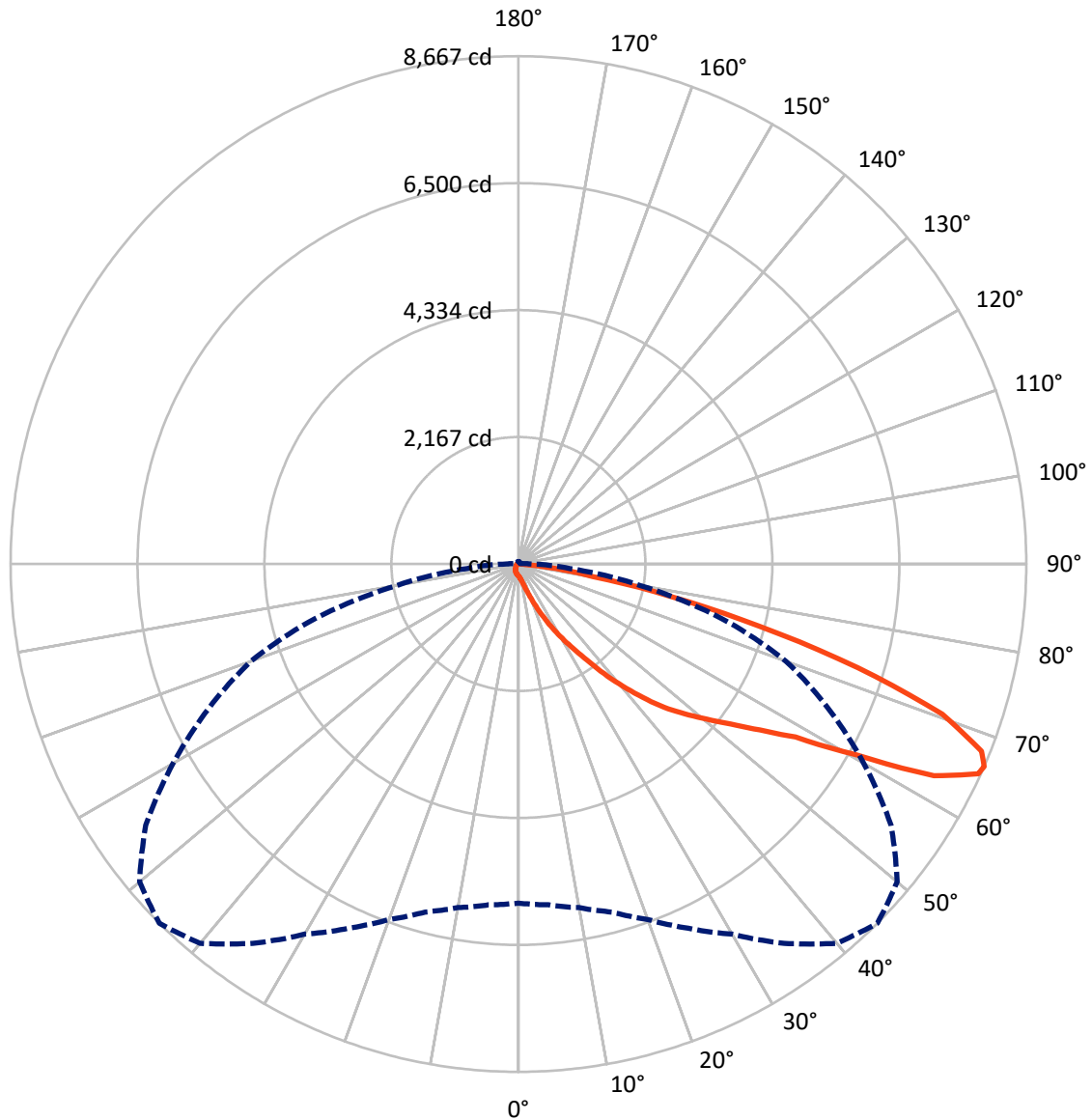
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	185.7	0.0	185.7
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	8005.7	0.0	8005.7
	% Fixture	97.7	0.0	97.7
Total	Lumens	8191.4	0.0	8191.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.3
10°-20°	83.5	1.0
20°-30°	244.7	3.0
30°-40°	571.6	7.0
40°-50°	1073.8	13.1
50°-60°	1779.4	21.7
60°-70°	2824.8	34.5
70°-80°	1460.9	17.8
80°-90°	131.9	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°	8191.4	100.0
0°-180°	8191.4	100.0



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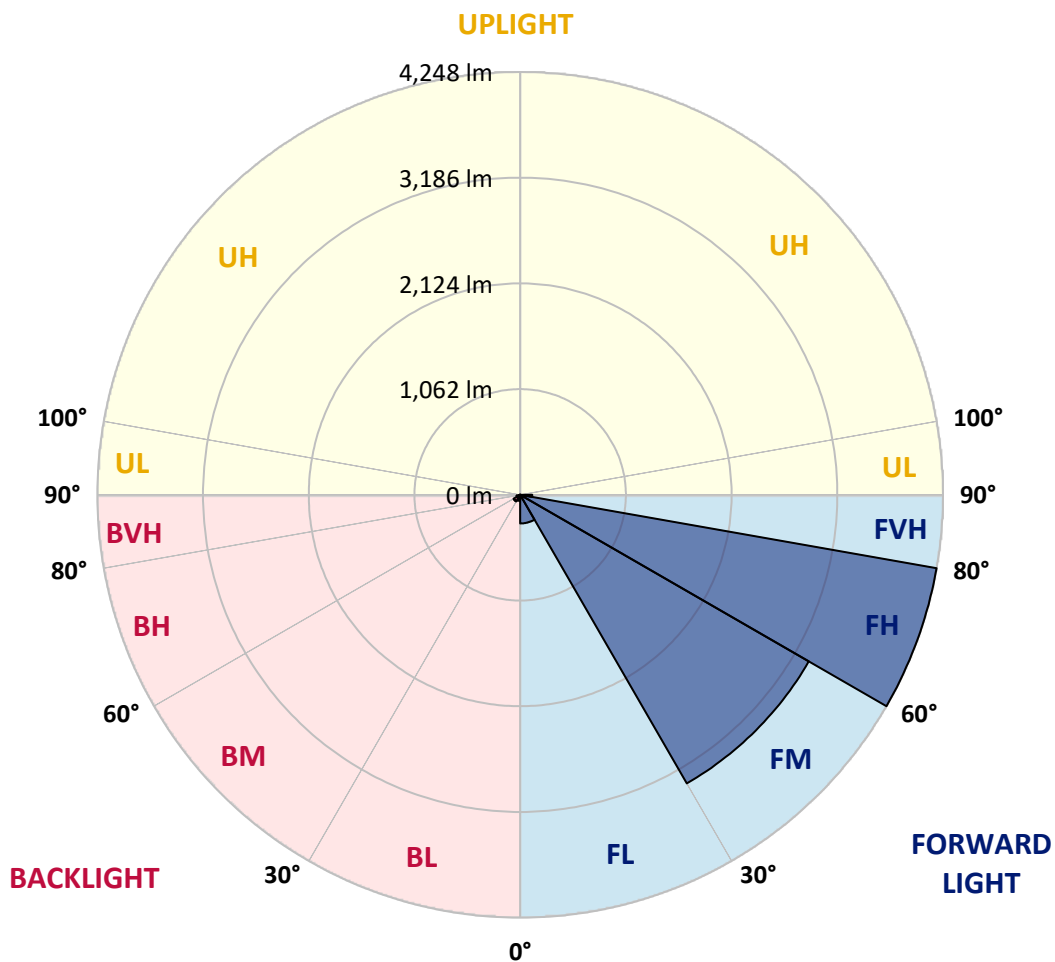
CATALOG NUMBER: AVM-F05-LED-E-U-T4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.2	3.5			
FM	(30°-60°)	3347.8	40.9			
FH	(60°-80°)	4248.1	51.9			G2/5000
FVH	(80°-90°)	121.5	1.5			G2/225
BL	(0°-30°)	60.6	0.7	B0/110		
BM	(30°-60°)	77.0	0.9	B0/220		
BH	(60°-80°)	37.6	0.5	B0/110		G0/110
BVH	(80°-90°)	10.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7
2.5°	221.7	221.7	221.7	221.7	220.2	218.8	217.4	216.0	214.6	214.6	213.2
5°	251.3	252.7	251.3	249.9	247.1	245.7	241.4	238.6	234.4	232.9	228.7
7.5°	292.2	290.8	292.2	288.0	282.4	280.9	275.3	268.2	262.6	254.1	248.5
10°	351.5	350.1	351.5	343.1	334.6	327.5	317.7	309.2	296.5	286.6	275.3
12.5°	446.1	446.1	443.3	432.0	420.7	405.2	389.7	371.3	348.7	328.9	310.6
15°	591.5	584.5	571.8	564.7	545.0	521.0	504.0	467.3	434.8	403.8	367.1
17.5°	766.6	752.5	742.6	727.1	701.7	670.6	642.4	588.7	556.2	505.4	453.2
20°	967.1	950.1	947.3	923.3	896.5	862.6	821.7	758.1	703.1	639.5	566.1
22.5°	1171.8	1174.6	1163.3	1146.4	1119.6	1080.0	1016.5	958.6	890.8	810.4	715.8
25°	1400.5	1399.1	1389.2	1369.4	1349.7	1300.3	1249.4	1194.4	1113.9	1010.8	897.9
27.5°	1615.1	1613.7	1589.7	1591.1	1553.0	1534.6	1485.2	1425.9	1328.5	1242.4	1119.6
30°	1839.6	1825.4	1809.9	1798.6	1771.8	1739.3	1713.9	1643.3	1569.9	1468.3	1368.0
32.5°	2066.9	2051.3	2055.6	2041.5	2020.3	1987.8	1949.7	1891.8	1812.7	1713.9	1620.7
35°	2345.0	2337.9	2326.6	2330.9	2326.6	2302.6	2270.2	2193.9	2107.8	2013.2	1917.2
37.5°	2551.1	2544.1	2551.1	2580.8	2587.8	2603.3	2579.3	2541.2	2479.1	2376.0	2275.8
40°	2741.7	2743.1	2775.6	2812.3	2837.7	2888.5	2897.0	2881.5	2832.1	2737.5	2606.2
42.5°	2912.5	2933.7	2963.4	3024.1	3079.1	3151.1	3204.8	3213.2	3176.5	3114.4	2981.7
45°	3103.1	3121.5	3168.1	3240.1	3316.3	3405.2	3491.4	3536.5	3533.7	3490.0	3347.4
47.5°	3316.3	3340.3	3391.1	3450.4	3552.1	3652.3	3763.8	3844.3	3878.2	3817.5	3679.1
50°	3574.7	3584.5	3628.3	3704.5	3797.7	3913.5	4034.9	4152.1	4218.4	4162.0	4019.4
52.5°	3881.0	3883.8	3924.8	3995.4	4070.2	4197.3	4315.9	4478.2	4564.3	4533.3	4362.4
55°	4301.7	4293.3	4321.5	4382.2	4442.9	4565.7	4684.3	4867.9	4993.5	4996.3	4814.2
57.5°	4876.3	4856.6	4874.9	4922.9	4990.7	5105.0	5254.7	5417.0	5585.1	5573.8	5424.1
60°	5676.8	5669.8	5703.6	5784.1	5899.9	6018.5	6187.9	6406.7	6555.0	6605.8	6449.1
62.5°	6209.1	6228.8	6306.5	6430.7	6653.8	6899.4	7214.3	7548.9	7831.2	7958.3	7742.3
65°	5980.4	6012.8	6134.2	6317.8	6612.8	6981.3	7399.2	7948.4	8435.5	8628.9	8404.4
66°	5786.9	5839.2	5953.5	6148.4	6456.1	6858.5	7294.7	7901.8	8449.6	8667.0	8438.3
67.5°	5452.3	5489.1	5618.9	5834.9	6165.3	6563.4	7035.0	7675.9	8294.3	8524.4	8297.1
70°	4770.4	4784.6	4890.4	5074.0	5329.5	5737.5	6165.3	6782.3	7351.2	7674.5	7426.0
72.5°	3550.7	3570.4	3745.5	4080.1	4411.9	4643.4	4896.1	5390.2	5757.3	6059.4	6011.4
75°	1708.3	1716.7	1833.9	2322.4	2969.0	3245.7	3480.1	3862.7	4002.4	4255.1	4217.0
77.5°	1082.8	1101.2	1177.4	1296.0	1663.1	1992.0	2177.0	2395.8	2436.8	2649.9	2525.7
80°	297.9	345.9	422.1	621.2	1065.9	1270.6	1353.9	1345.4	1353.9	1289.0	1246.6
82.5°	60.7	59.3	72.0	111.5	470.1	739.8	799.1	680.5	676.2	650.8	672.0
85°	15.5	14.1	16.9	35.3	80.5	218.8	275.3	153.9	117.2	111.5	98.8
87.5°	4.2	4.2	4.2	7.1	8.5	11.3	15.5	11.3	8.5	8.5	8.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7
2.5°	211.8	211.8	210.4	208.9	208.9	207.5	206.1	204.7	203.3	201.9	200.5
5°	224.5	221.7	217.4	214.6	211.8	207.5	204.7	201.9	199.1	197.7	194.8
7.5°	241.4	234.4	228.7	220.2	214.6	208.9	203.3	199.1	194.8	192.0	189.2
10°	262.6	251.3	240.0	228.7	218.8	210.4	201.9	194.8	190.6	186.4	183.5
12.5°	289.4	272.5	256.9	240.0	224.5	211.8	200.5	192.0	186.4	182.1	177.9
15°	333.2	306.4	279.5	254.1	234.4	214.6	199.1	189.2	182.1	177.9	173.7
17.5°	402.4	354.4	312.0	276.7	244.2	218.8	199.1	186.4	177.9	172.2	168.0
20°	502.6	423.5	355.8	304.9	262.6	225.9	199.1	182.1	173.7	166.6	162.4
22.5°	621.2	522.4	429.2	344.5	283.8	235.8	199.1	177.9	168.0	162.4	156.7
25°	794.8	663.5	536.5	417.9	319.1	251.3	203.3	175.1	163.8	156.7	151.1
27.5°	998.1	840.0	681.9	515.3	372.7	273.9	208.9	172.2	159.5	151.1	145.4
30°	1229.7	1054.6	861.2	645.2	443.3	303.5	218.8	170.8	153.9	145.4	138.4
32.5°	1481.0	1296.0	1084.3	811.8	547.8	348.7	231.5	169.4	148.2	138.4	129.9
35°	1780.3	1608.0	1349.7	1046.1	710.1	426.4	259.8	172.2	142.6	131.3	121.4
37.5°	2107.8	1924.3	1650.4	1294.6	871.1	513.9	280.9	168.0	132.7	121.4	111.5
40°	2438.2	2227.8	1949.7	1555.8	1075.8	621.2	307.8	163.8	122.8	111.5	101.6
42.5°	2760.1	2538.4	2236.3	1824.0	1291.8	748.3	341.7	163.8	115.8	101.6	91.8
45°	3097.5	2830.6	2500.3	2081.0	1506.4	893.7	389.7	162.4	107.3	93.2	81.9
47.5°	3416.5	3100.3	2720.5	2306.9	1736.5	1053.2	444.7	163.8	100.2	84.7	74.8
50°	3718.7	3355.8	2946.4	2508.8	1956.7	1225.4	512.5	165.2	93.2	77.6	67.8
52.5°	4049.0	3646.7	3189.2	2716.3	2174.2	1399.1	591.5	168.0	86.1	70.6	62.1
55°	4458.4	4012.3	3488.5	2970.4	2404.3	1574.1	667.8	170.8	79.1	64.9	56.5
57.5°	5048.6	4540.3	3974.2	3351.6	2709.2	1773.2	746.8	177.9	73.4	60.7	52.2
60°	6008.6	5402.9	4749.3	4015.1	3165.2	2042.9	861.2	193.4	66.4	55.1	49.4
62.5°	7163.4	6435.0	5603.4	4712.6	3594.4	2225.0	937.4	210.4	60.7	50.8	46.6
65°	7745.1	6827.4	5868.8	4907.4	3649.5	2171.3	906.4	204.7	53.6	45.2	39.5
66°	7762.0	6806.3	5832.1	4865.0	3593.0	2106.4	876.7	201.9	52.2	43.8	36.7
67.5°	7601.1	6624.1	5637.3	4673.0	3426.4	1980.7	823.1	192.0	48.0	39.5	32.5
70°	6806.3	5854.7	4949.7	4058.9	2947.8	1668.7	690.4	169.4	42.4	35.3	29.6
72.5°	5425.5	4650.4	3888.1	3193.5	2291.3	1252.3	545.0	138.4	36.7	31.1	25.4
75°	3789.3	3152.5	2572.3	2076.7	1440.0	749.7	352.9	97.4	31.1	25.4	21.2
77.5°	2114.9	1677.2	1267.8	965.7	574.6	234.4	117.2	49.4	26.8	19.8	16.9
80°	1075.8	797.7	607.1	447.5	265.4	121.4	59.3	32.5	21.2	15.5	14.1
82.5°	625.4	458.8	365.7	289.4	182.1	91.8	48.0	24.0	14.1	11.3	12.7
85°	139.8	184.9	156.7	132.7	97.4	57.9	33.9	15.5	9.9	9.9	11.3
87.5°	11.3	15.5	14.1	18.4	19.8	18.4	14.1	8.5	7.1	8.5	8.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7	204.7
2.5°	199.1	197.7	197.7	196.2	194.8	194.8	194.8	193.4	194.8	194.8	194.8
5°	193.4	192.0	190.6	189.2	187.8	186.4	186.4	184.9	184.9	184.9	186.4
7.5°	187.8	184.9	183.5	180.7	179.3	177.9	177.9	176.5	176.5	176.5	176.5
10°	180.7	177.9	175.1	173.7	172.2	169.4	169.4	168.0	166.6	166.6	166.6
12.5°	175.1	172.2	169.4	166.6	163.8	162.4	160.9	159.5	158.1	158.1	158.1
15°	169.4	165.2	162.4	159.5	156.7	153.9	152.5	151.1	149.7	148.2	148.2
17.5°	163.8	159.5	155.3	152.5	149.7	146.8	145.4	141.2	141.2	139.8	139.8
20°	156.7	152.5	148.2	145.4	142.6	139.8	136.9	134.1	131.3	129.9	129.9
22.5°	151.1	146.8	142.6	138.4	134.1	129.9	127.1	124.2	122.8	121.4	120.0
25°	145.4	139.8	134.1	129.9	125.6	121.4	118.6	115.8	112.9	111.5	111.5
27.5°	138.4	132.7	127.1	121.4	117.2	112.9	110.1	105.9	104.5	103.1	101.6
30°	131.3	124.2	118.6	112.9	108.7	103.1	100.2	97.4	94.6	94.6	93.2
32.5°	122.8	115.8	110.1	104.5	98.8	94.6	91.8	88.9	87.5	84.7	84.7
35°	114.4	107.3	100.2	94.6	90.4	86.1	83.3	80.5	77.6	76.2	76.2
37.5°	104.5	97.4	91.8	86.1	81.9	77.6	74.8	72.0	70.6	69.2	67.8
40°	93.2	86.1	81.9	77.6	73.4	70.6	66.4	63.5	62.1	60.7	59.3
42.5°	83.3	76.2	73.4	70.6	66.4	63.5	59.3	56.5	53.6	52.2	50.8
45°	74.8	69.2	66.4	63.5	59.3	55.1	52.2	49.4	46.6	45.2	45.2
47.5°	66.4	62.1	59.3	56.5	52.2	49.4	45.2	43.8	40.9	40.9	40.9
50°	60.7	56.5	53.6	50.8	48.0	43.8	40.9	39.5	38.1	38.1	39.5
52.5°	56.5	52.2	49.4	46.6	43.8	40.9	38.1	36.7	36.7	38.1	39.5
55°	52.2	48.0	45.2	42.4	39.5	38.1	35.3	35.3	36.7	38.1	39.5
57.5°	49.4	43.8	40.9	39.5	36.7	35.3	35.3	35.3	36.7	38.1	40.9
60°	45.2	39.5	36.7	36.7	33.9	33.9	33.9	35.3	36.7	39.5	40.9
62.5°	39.5	35.3	33.9	33.9	32.5	32.5	33.9	35.3	38.1	39.5	40.9
65°	33.9	31.1	31.1	31.1	31.1	32.5	33.9	35.3	36.7	39.5	40.9
66°	31.1	29.6	29.6	31.1	31.1	32.5	33.9	35.3	36.7	38.1	39.5
67.5°	29.6	28.2	28.2	29.6	31.1	31.1	32.5	35.3	36.7	38.1	38.1
70°	25.4	25.4	25.4	28.2	29.6	31.1	32.5	33.9	35.3	36.7	38.1
72.5°	22.6	22.6	24.0	25.4	28.2	29.6	31.1	32.5	35.3	36.7	36.7
75°	19.8	19.8	22.6	24.0	26.8	28.2	31.1	32.5	33.9	35.3	35.3
77.5°	16.9	18.4	21.2	24.0	25.4	28.2	29.6	31.1	32.5	33.9	33.9
80°	15.5	18.4	21.2	22.6	24.0	25.4	26.8	29.6	31.1	32.5	33.9
82.5°	15.5	16.9	19.8	21.2	22.6	25.4	26.8	28.2	29.6	31.1	32.5
85°	12.7	15.5	16.9	19.8	21.2	24.0	25.4	25.4	26.8	28.2	29.6
87.5°	9.9	11.3	11.3	14.1	15.5	18.4	21.2	21.2	22.6	24.0	25.4
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):

	165°	170°	175°	180°
0°	204.7	204.7	204.7	204.7
2.5°	194.8	196.2	196.2	196.2
5°	186.4	186.4	186.4	186.4
7.5°	176.5	176.5	176.5	176.5
10°	166.6	166.6	168.0	166.6
12.5°	158.1	156.7	156.7	156.7
15°	148.2	148.2	146.8	148.2
17.5°	138.4	138.4	136.9	136.9
20°	128.5	128.5	128.5	128.5
22.5°	120.0	118.6	118.6	118.6
25°	110.1	110.1	110.1	110.1
27.5°	101.6	101.6	101.6	101.6
30°	93.2	93.2	91.8	91.8
32.5°	84.7	84.7	84.7	84.7
35°	76.2	76.2	74.8	74.8
37.5°	66.4	66.4	66.4	66.4
40°	57.9	57.9	57.9	57.9
42.5°	50.8	50.8	49.4	49.4
45°	43.8	43.8	43.8	43.8
47.5°	40.9	40.9	40.9	40.9
50°	39.5	40.9	40.9	40.9
52.5°	40.9	40.9	40.9	40.9
55°	40.9	42.4	42.4	42.4
57.5°	40.9	42.4	42.4	43.8
60°	42.4	43.8	43.8	43.8
62.5°	42.4	43.8	43.8	43.8
65°	40.9	42.4	42.4	42.4
66°	40.9	40.9	40.9	42.4
67.5°	39.5	40.9	40.9	40.9
70°	38.1	39.5	39.5	40.9
72.5°	38.1	39.5	39.5	39.5
75°	36.7	36.7	38.1	38.1
77.5°	35.3	35.3	36.7	36.7
80°	33.9	35.3	35.3	35.3
82.5°	32.5	33.9	33.9	33.9
85°	29.6	31.1	31.1	31.1
87.5°	25.4	25.4	26.8	26.8
90°	0.0	0.0	0.0	0.0

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