

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: P156323

Luminaire Tested: **AVM-F06-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156323
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-F06-LED-E-U-T4-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8085.1 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

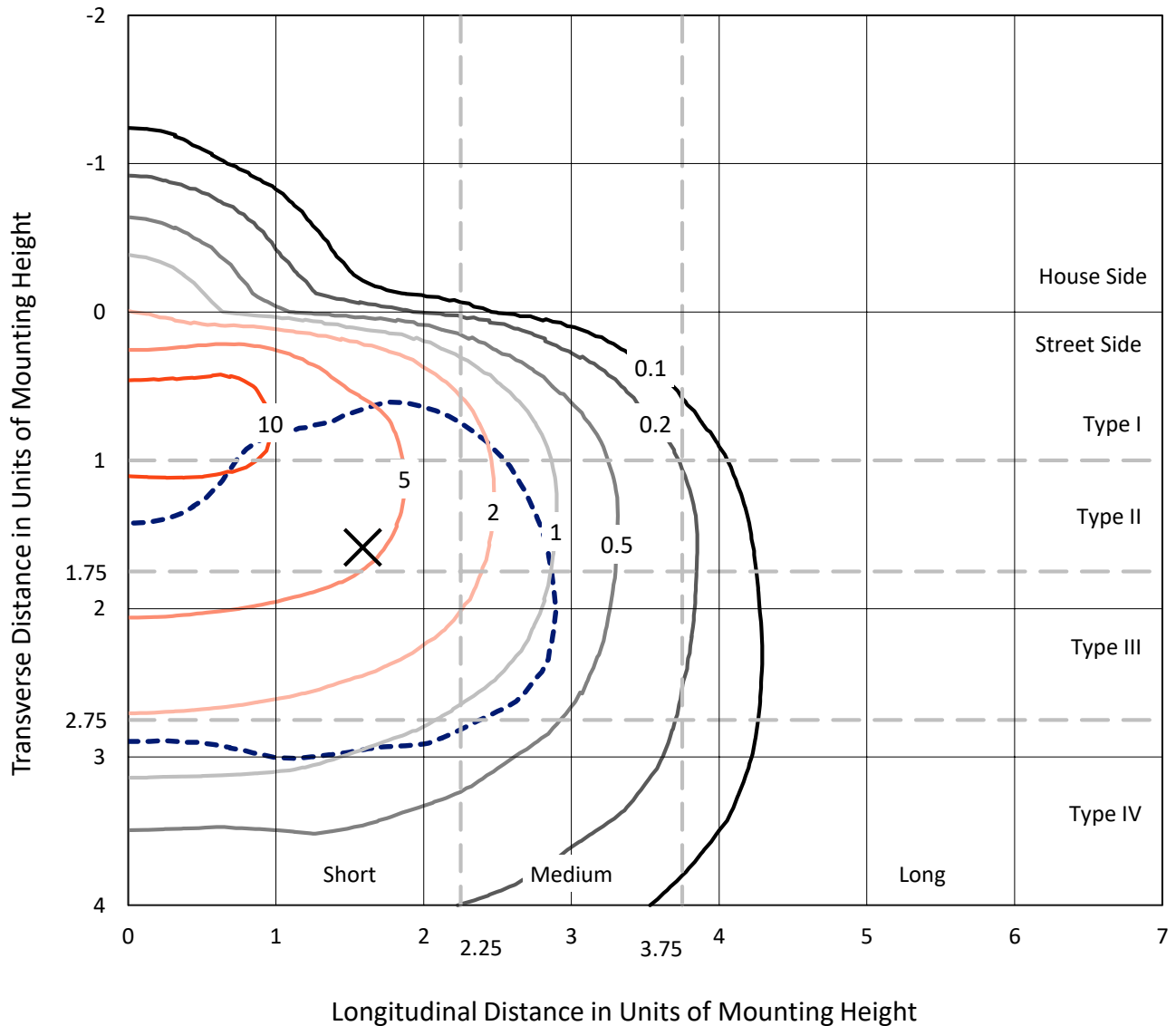
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

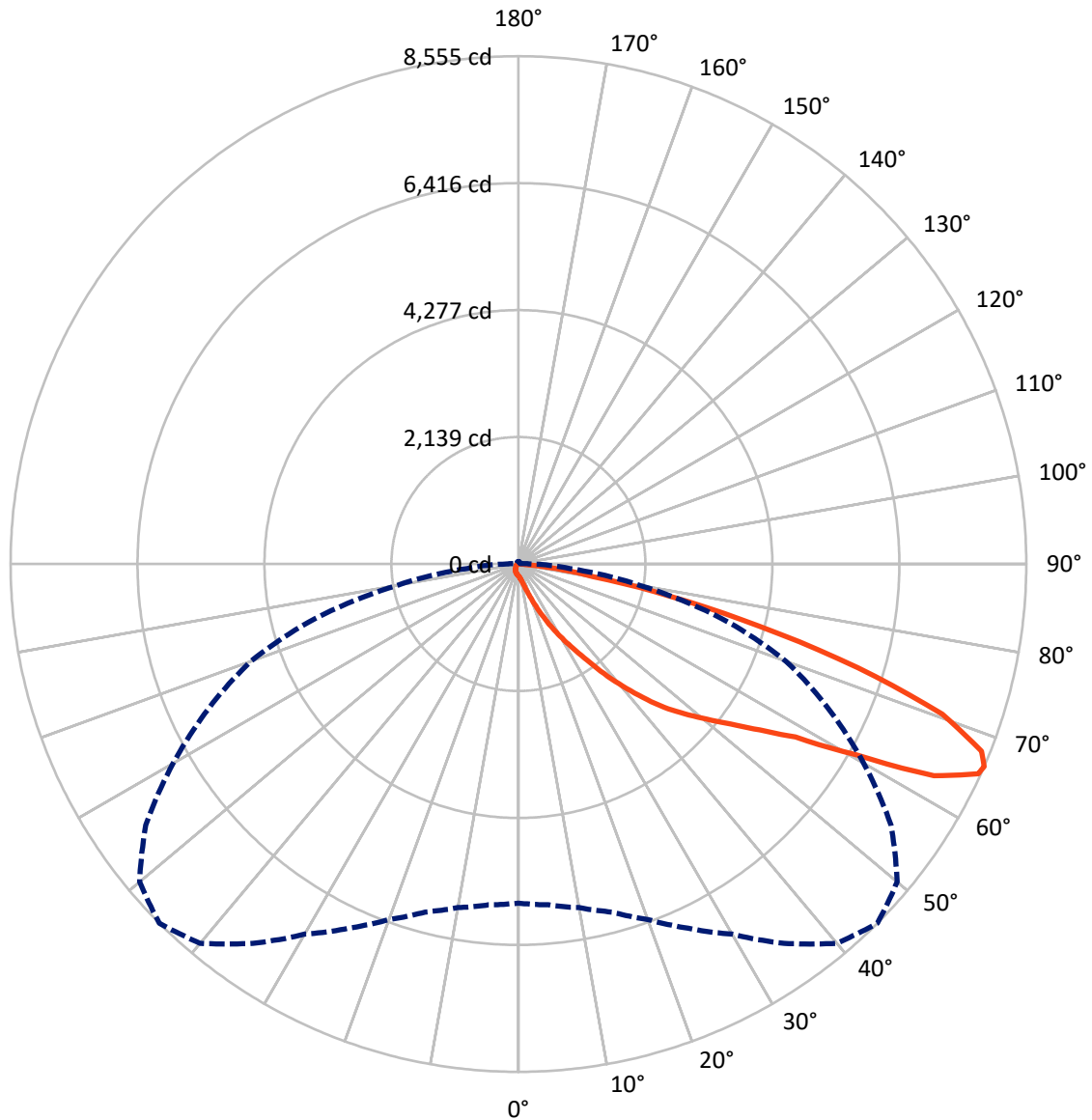
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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	183.2	0.0	183.2
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	7901.8	0.0	7901.8
	% Fixture	97.7	0.0	97.7
Total	Lumens	8085.1	0.0	8085.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.3
10°-20°	82.4	1.0
20°-30°	241.5	3.0
30°-40°	564.2	7.0
40°-50°	1059.8	13.1
50°-60°	1756.3	21.7
60°-70°	2788.2	34.5
70°-80°	1441.9	17.8
80°-90°	130.2	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°	8085.1	100.0
0°-180°	8085.1	100.0



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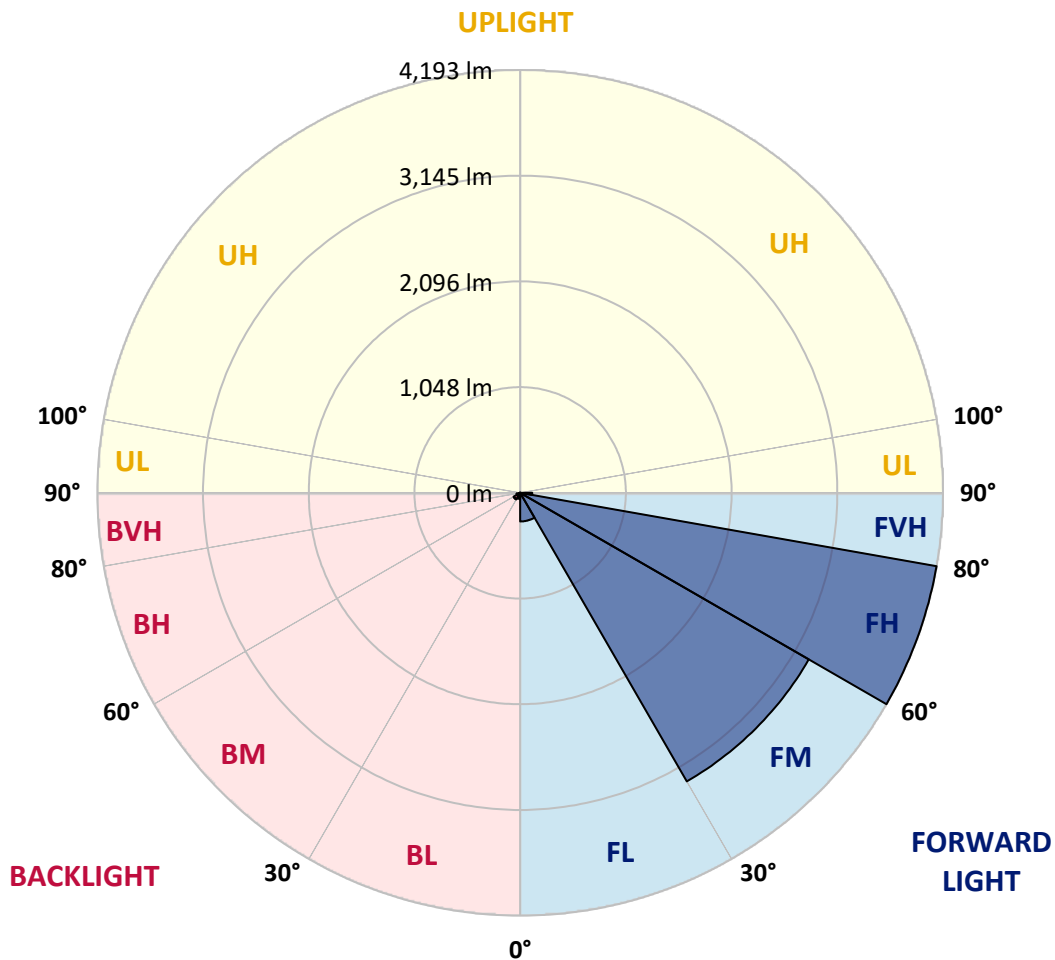
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.5	3.5			
FM	(30°-60°)	3304.4	40.9			
FH	(60°-80°)	4193.0	51.9			G2/5000
FVH	(80°-90°)	119.9	1.5			G2/225
BL	(0°-30°)	59.8	0.7	B0/110		
BM	(30°-60°)	76.0	0.9	B0/220		
BH	(60°-80°)	37.1	0.5	B0/110		G0/110
BVH	(80°-90°)	10.3	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°	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1
2.5°	218.8	218.8	218.8	218.8	217.4	216.0	214.6	213.2	211.8	211.8	210.4
5°	248.0	249.4	248.0	246.6	243.9	242.5	238.3	235.5	231.3	229.9	225.7
7.5°	288.4	287.1	288.4	284.3	278.7	277.3	271.7	264.8	259.2	250.8	245.3
10°	347.0	345.6	347.0	338.6	330.3	323.3	313.5	305.2	292.6	282.9	271.7
12.5°	440.3	440.3	437.5	426.4	415.3	399.9	384.6	366.5	344.2	324.7	306.6
15°	583.9	576.9	564.4	557.4	537.9	514.2	497.5	461.2	429.2	398.5	362.3
17.5°	756.7	742.7	733.0	717.6	692.6	661.9	634.0	581.1	549.0	498.9	447.3
20°	954.5	937.8	935.0	911.3	884.9	851.4	811.0	748.3	693.9	631.2	558.8
22.5°	1156.6	1159.4	1148.2	1131.5	1105.0	1066.0	1003.3	946.2	879.3	799.9	706.5
25°	1382.3	1380.9	1371.2	1351.7	1332.2	1283.4	1233.2	1178.9	1099.4	997.7	886.2
27.5°	1594.1	1592.7	1569.0	1570.4	1532.8	1514.7	1465.9	1407.4	1311.3	1226.3	1105.0
30°	1815.7	1801.8	1786.4	1775.3	1748.8	1716.8	1691.7	1622.0	1549.5	1449.2	1350.3
32.5°	2040.0	2024.7	2028.9	2015.0	1994.1	1962.0	1924.4	1867.3	1789.2	1691.7	1599.7
35°	2314.6	2307.6	2296.4	2300.6	2296.4	2272.8	2240.7	2165.5	2080.5	1987.1	1892.3
37.5°	2518.0	2511.0	2518.0	2547.3	2554.2	2569.6	2545.9	2508.2	2446.9	2345.2	2246.3
40°	2706.1	2707.5	2739.6	2775.8	2800.9	2851.0	2859.4	2844.1	2795.3	2701.9	2572.3
42.5°	2874.7	2895.6	2924.9	2984.8	3039.2	3110.2	3163.2	3171.5	3135.3	3074.0	2943.0
45°	3062.8	3081.0	3126.9	3198.0	3273.3	3361.1	3446.1	3490.6	3487.9	3444.7	3303.9
47.5°	3273.3	3297.0	3347.1	3405.6	3506.0	3604.9	3715.0	3794.4	3827.9	3767.9	3631.4
50°	3528.3	3538.0	3581.2	3656.5	3748.4	3862.7	3982.5	4098.2	4163.7	4108.0	3967.2
52.5°	3830.7	3833.4	3873.8	3943.5	4017.4	4142.8	4259.8	4420.1	4505.1	4474.4	4305.8
55°	4245.9	4237.5	4265.4	4325.3	4385.3	4506.5	4623.5	4804.7	4928.7	4931.5	4751.7
57.5°	4813.0	4793.5	4811.7	4859.0	4925.9	5038.8	5186.5	5346.7	5512.6	5501.4	5353.7
60°	5603.1	5596.2	5629.6	5709.1	5823.3	5940.4	6107.6	6323.6	6469.9	6520.1	6365.4
62.5°	6128.5	6148.0	6224.6	6347.3	6567.4	6809.9	7120.6	7450.9	7729.6	7855.0	7641.8
65°	5902.7	5934.8	6054.6	6235.8	6527.0	6890.7	7303.2	7845.2	8326.0	8516.9	8295.3
66°	5711.8	5763.4	5876.3	6068.6	6372.3	6769.5	7200.1	7799.3	8339.9	8554.5	8328.8
67.5°	5381.6	5417.8	5546.0	5759.2	6085.3	6478.2	6943.7	7576.3	8186.6	8413.8	8189.4
70°	4708.5	4722.5	4827.0	5008.1	5260.4	5663.1	6085.3	6694.2	7255.8	7574.9	7329.7
72.5°	3504.6	3524.1	3696.9	4027.1	4354.6	4583.1	4832.6	5320.3	5682.6	5980.8	5933.4
75°	1686.1	1694.5	1810.1	2292.3	2930.5	3203.6	3434.9	3812.5	3950.5	4199.9	4162.3
77.5°	1068.8	1086.9	1162.2	1279.2	1641.5	1966.2	2148.7	2364.7	2405.1	2615.5	2492.9
80°	294.0	341.4	416.6	613.1	1052.1	1254.1	1336.3	1328.0	1336.3	1272.2	1230.4
82.5°	59.9	58.5	71.1	110.1	464.0	730.2	788.7	671.7	667.5	642.4	663.3
85°	15.3	13.9	16.7	34.8	79.4	216.0	271.7	151.9	115.7	110.1	97.5
87.5°	4.2	4.2	4.2	7.0	8.4	11.1	15.3	11.1	8.4	8.4	8.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1
2.5°	209.0	209.0	207.6	206.2	206.2	204.8	203.4	202.1	200.7	199.3	197.9
5°	221.6	218.8	214.6	211.8	209.0	204.8	202.1	199.3	196.5	195.1	192.3
7.5°	238.3	231.3	225.7	217.4	211.8	206.2	200.7	196.5	192.3	189.5	186.7
10°	259.2	248.0	236.9	225.7	216.0	207.6	199.3	192.3	188.1	183.9	181.2
12.5°	285.7	268.9	253.6	236.9	221.6	209.0	197.9	189.5	183.9	179.8	175.6
15°	328.9	302.4	275.9	250.8	231.3	211.8	196.5	186.7	179.8	175.6	171.4
17.5°	397.1	349.8	308.0	273.1	241.1	216.0	196.5	183.9	175.6	170.0	165.8
20°	496.1	418.0	351.2	301.0	259.2	223.0	196.5	179.8	171.4	164.4	160.2
22.5°	613.1	515.6	423.6	340.0	280.1	232.7	196.5	175.6	165.8	160.2	154.7
25°	784.5	654.9	529.5	412.5	314.9	248.0	200.7	172.8	161.6	154.7	149.1
27.5°	985.2	829.1	673.0	508.6	367.9	270.3	206.2	170.0	157.5	149.1	143.5
30°	1213.7	1040.9	850.0	636.8	437.5	299.6	216.0	168.6	151.9	143.5	136.6
32.5°	1461.8	1279.2	1070.2	801.2	540.7	344.2	228.5	167.2	146.3	136.6	128.2
35°	1757.2	1587.2	1332.2	1032.6	700.9	420.8	256.4	170.0	140.7	129.6	119.8
37.5°	2080.5	1899.3	1629.0	1277.8	859.8	507.2	277.3	165.8	131.0	119.8	110.1
40°	2406.5	2198.9	1924.4	1535.6	1061.8	613.1	303.8	161.6	121.2	110.1	100.3
42.5°	2724.2	2505.5	2207.3	1800.4	1275.0	738.5	337.2	161.6	114.3	100.3	90.6
45°	3057.3	2793.9	2467.8	2054.0	1486.8	882.1	384.6	160.2	105.9	92.0	80.8
47.5°	3372.2	3060.1	2685.2	2276.9	1714.0	1039.5	438.9	161.6	98.9	83.6	73.9
50°	3670.4	3312.3	2908.2	2476.2	1931.4	1209.5	505.8	163.0	92.0	76.6	66.9
52.5°	3996.5	3599.3	3147.9	2681.0	2145.9	1380.9	583.9	165.8	85.0	69.7	61.3
55°	4400.6	3960.2	3443.3	2931.9	2373.1	1553.7	659.1	168.6	78.0	64.1	55.7
57.5°	4983.1	4481.4	3922.6	3308.1	2674.1	1750.2	737.1	175.6	72.5	59.9	51.6
60°	5930.6	5332.8	4687.6	3963.0	3124.2	2016.4	850.0	190.9	65.5	54.3	48.8
62.5°	7070.5	6351.4	5530.7	4651.4	3547.8	2196.1	925.3	207.6	59.9	50.2	46.0
65°	7644.6	6738.8	5792.7	4843.7	3602.1	2143.2	894.6	202.1	53.0	44.6	39.0
66°	7661.3	6717.9	5756.4	4801.9	3546.4	2079.1	865.3	199.3	51.6	43.2	36.2
67.5°	7502.4	6538.2	5564.1	4612.4	3382.0	1955.0	812.4	189.5	47.4	39.0	32.0
70°	6717.9	5778.7	4885.5	4006.2	2909.6	1647.1	681.4	167.2	41.8	34.8	29.3
72.5°	5355.1	4590.1	3837.6	3152.0	2261.6	1236.0	537.9	136.6	36.2	30.7	25.1
75°	3740.1	3111.6	2538.9	2049.8	1421.3	739.9	348.4	96.1	30.7	25.1	20.9
77.5°	2087.4	1655.4	1251.3	953.1	567.1	231.3	115.7	48.8	26.5	19.5	16.7
80°	1061.8	787.3	599.2	441.7	262.0	119.8	58.5	32.0	20.9	15.3	13.9
82.5°	617.3	452.9	360.9	285.7	179.8	90.6	47.4	23.7	13.9	11.1	12.5
85°	138.0	182.5	154.7	131.0	96.1	57.1	33.4	15.3	9.8	9.8	11.1
87.5°	11.1	15.3	13.9	18.1	19.5	18.1	13.9	8.4	7.0	8.4	8.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1	202.1
2.5°	196.5	195.1	195.1	193.7	192.3	192.3	192.3	190.9	192.3	192.3	192.3
5°	190.9	189.5	188.1	186.7	185.3	183.9	183.9	182.5	182.5	182.5	183.9
7.5°	185.3	182.5	181.2	178.4	177.0	175.6	175.6	174.2	174.2	174.2	174.2
10°	178.4	175.6	172.8	171.4	170.0	167.2	167.2	165.8	164.4	164.4	164.4
12.5°	172.8	170.0	167.2	164.4	161.6	160.2	158.9	157.5	156.1	156.1	156.1
15°	167.2	163.0	160.2	157.5	154.7	151.9	150.5	149.1	147.7	146.3	146.3
17.5°	161.6	157.5	153.3	150.5	147.7	144.9	143.5	139.3	139.3	138.0	138.0
20°	154.7	150.5	146.3	143.5	140.7	138.0	135.2	132.4	129.6	128.2	128.2
22.5°	149.1	144.9	140.7	136.6	132.4	128.2	125.4	122.6	121.2	119.8	118.4
25°	143.5	138.0	132.4	128.2	124.0	119.8	117.1	114.3	111.5	110.1	110.1
27.5°	136.6	131.0	125.4	119.8	115.7	111.5	108.7	104.5	103.1	101.7	100.3
30°	129.6	122.6	117.1	111.5	107.3	101.7	98.9	96.1	93.4	93.4	92.0
32.5°	121.2	114.3	108.7	103.1	97.5	93.4	90.6	87.8	86.4	83.6	83.6
35°	112.9	105.9	98.9	93.4	89.2	85.0	82.2	79.4	76.6	75.2	75.2
37.5°	103.1	96.1	90.6	85.0	80.8	76.6	73.9	71.1	69.7	68.3	66.9
40°	92.0	85.0	80.8	76.6	72.5	69.7	65.5	62.7	61.3	59.9	58.5
42.5°	82.2	75.2	72.5	69.7	65.5	62.7	58.5	55.7	53.0	51.6	50.2
45°	73.9	68.3	65.5	62.7	58.5	54.3	51.6	48.8	46.0	44.6	44.6
47.5°	65.5	61.3	58.5	55.7	51.6	48.8	44.6	43.2	40.4	40.4	40.4
50°	59.9	55.7	53.0	50.2	47.4	43.2	40.4	39.0	37.6	37.6	39.0
52.5°	55.7	51.6	48.8	46.0	43.2	40.4	37.6	36.2	36.2	37.6	39.0
55°	51.6	47.4	44.6	41.8	39.0	37.6	34.8	34.8	36.2	37.6	39.0
57.5°	48.8	43.2	40.4	39.0	36.2	34.8	34.8	34.8	36.2	37.6	40.4
60°	44.6	39.0	36.2	36.2	33.4	33.4	33.4	34.8	36.2	39.0	40.4
62.5°	39.0	34.8	33.4	33.4	32.0	32.0	33.4	34.8	37.6	39.0	40.4
65°	33.4	30.7	30.7	30.7	30.7	32.0	33.4	34.8	36.2	39.0	40.4
66°	30.7	29.3	29.3	30.7	30.7	32.0	33.4	34.8	36.2	37.6	39.0
67.5°	29.3	27.9	27.9	29.3	30.7	30.7	32.0	34.8	36.2	37.6	37.6
70°	25.1	25.1	25.1	27.9	29.3	30.7	32.0	33.4	34.8	36.2	37.6
72.5°	22.3	22.3	23.7	25.1	27.9	29.3	30.7	32.0	34.8	36.2	36.2
75°	19.5	19.5	22.3	23.7	26.5	27.9	30.7	32.0	33.4	34.8	34.8
77.5°	16.7	18.1	20.9	23.7	25.1	27.9	29.3	30.7	32.0	33.4	33.4
80°	15.3	18.1	20.9	22.3	23.7	25.1	26.5	29.3	30.7	32.0	33.4
82.5°	15.3	16.7	19.5	20.9	22.3	25.1	26.5	27.9	29.3	30.7	32.0
85°	12.5	15.3	16.7	19.5	20.9	23.7	25.1	25.1	26.5	27.9	29.3
87.5°	9.8	11.1	11.1	13.9	15.3	18.1	20.9	20.9	22.3	23.7	25.1
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°	202.1	202.1	202.1	202.1
2.5°	192.3	193.7	193.7	193.7
5°	183.9	183.9	183.9	183.9
7.5°	174.2	174.2	174.2	174.2
10°	164.4	164.4	165.8	164.4
12.5°	156.1	154.7	154.7	154.7
15°	146.3	146.3	144.9	146.3
17.5°	136.6	136.6	135.2	135.2
20°	126.8	126.8	126.8	126.8
22.5°	118.4	117.1	117.1	117.1
25°	108.7	108.7	108.7	108.7
27.5°	100.3	100.3	100.3	100.3
30°	92.0	92.0	90.6	90.6
32.5°	83.6	83.6	83.6	83.6
35°	75.2	75.2	73.9	73.9
37.5°	65.5	65.5	65.5	65.5
40°	57.1	57.1	57.1	57.1
42.5°	50.2	50.2	48.8	48.8
45°	43.2	43.2	43.2	43.2
47.5°	40.4	40.4	40.4	40.4
50°	39.0	40.4	40.4	40.4
52.5°	40.4	40.4	40.4	40.4
55°	40.4	41.8	41.8	41.8
57.5°	40.4	41.8	41.8	43.2
60°	41.8	43.2	43.2	43.2
62.5°	41.8	43.2	43.2	43.2
65°	40.4	41.8	41.8	41.8
66°	40.4	40.4	40.4	41.8
67.5°	39.0	40.4	40.4	40.4
70°	37.6	39.0	39.0	40.4
72.5°	37.6	39.0	39.0	39.0
75°	36.2	36.2	37.6	37.6
77.5°	34.8	34.8	36.2	36.2
80°	33.4	34.8	34.8	34.8
82.5°	32.0	33.4	33.4	33.4
85°	29.3	30.7	30.7	30.7
87.5°	25.1	25.1	26.5	26.5
90°	0.0	0.0	0.0	0.0

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