

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: P156324

Luminaire Tested: **AVM-F06-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156324
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-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8749.5 lumens
Efficiency: N/A
Efficacy: 55.9 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

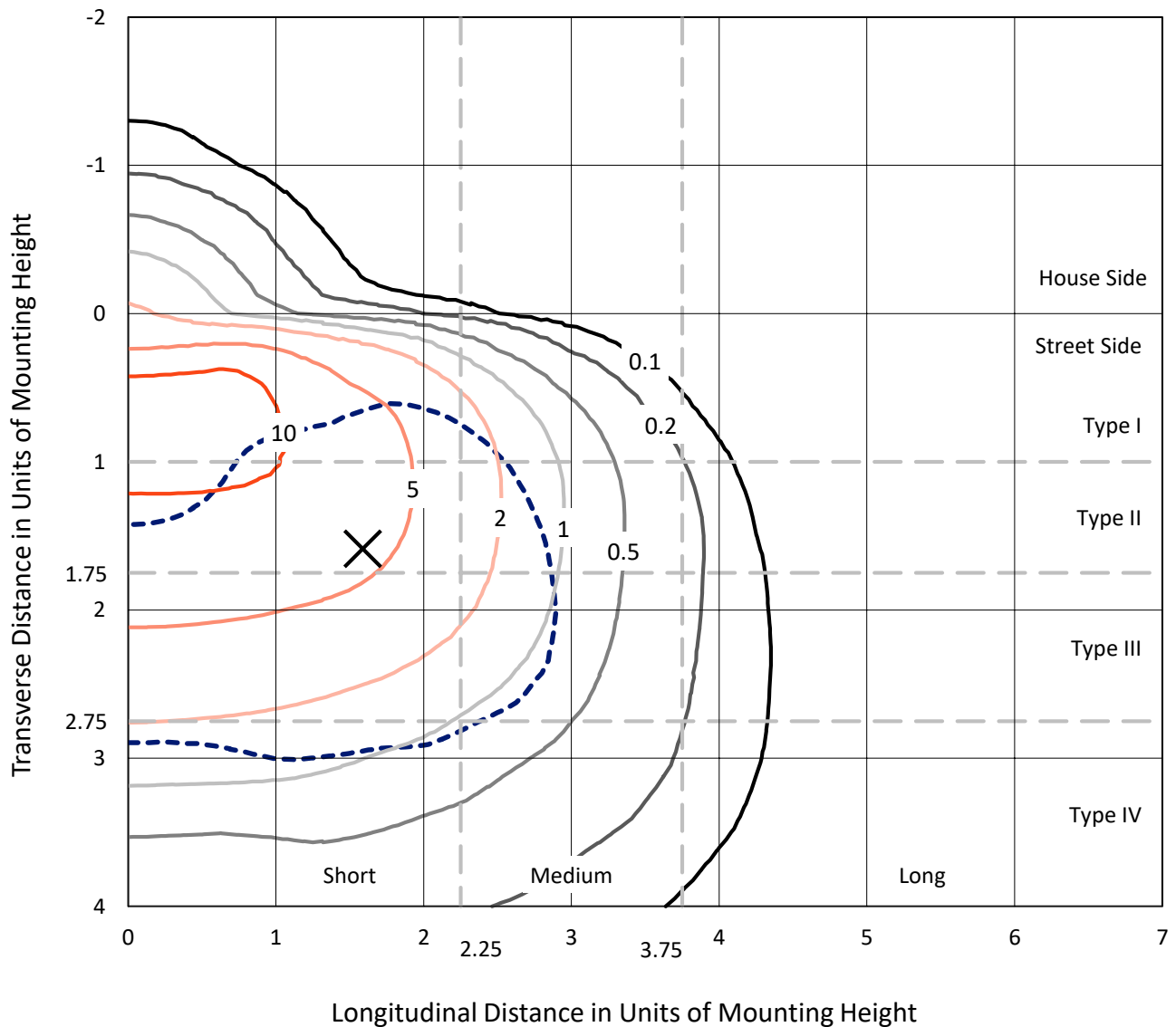
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

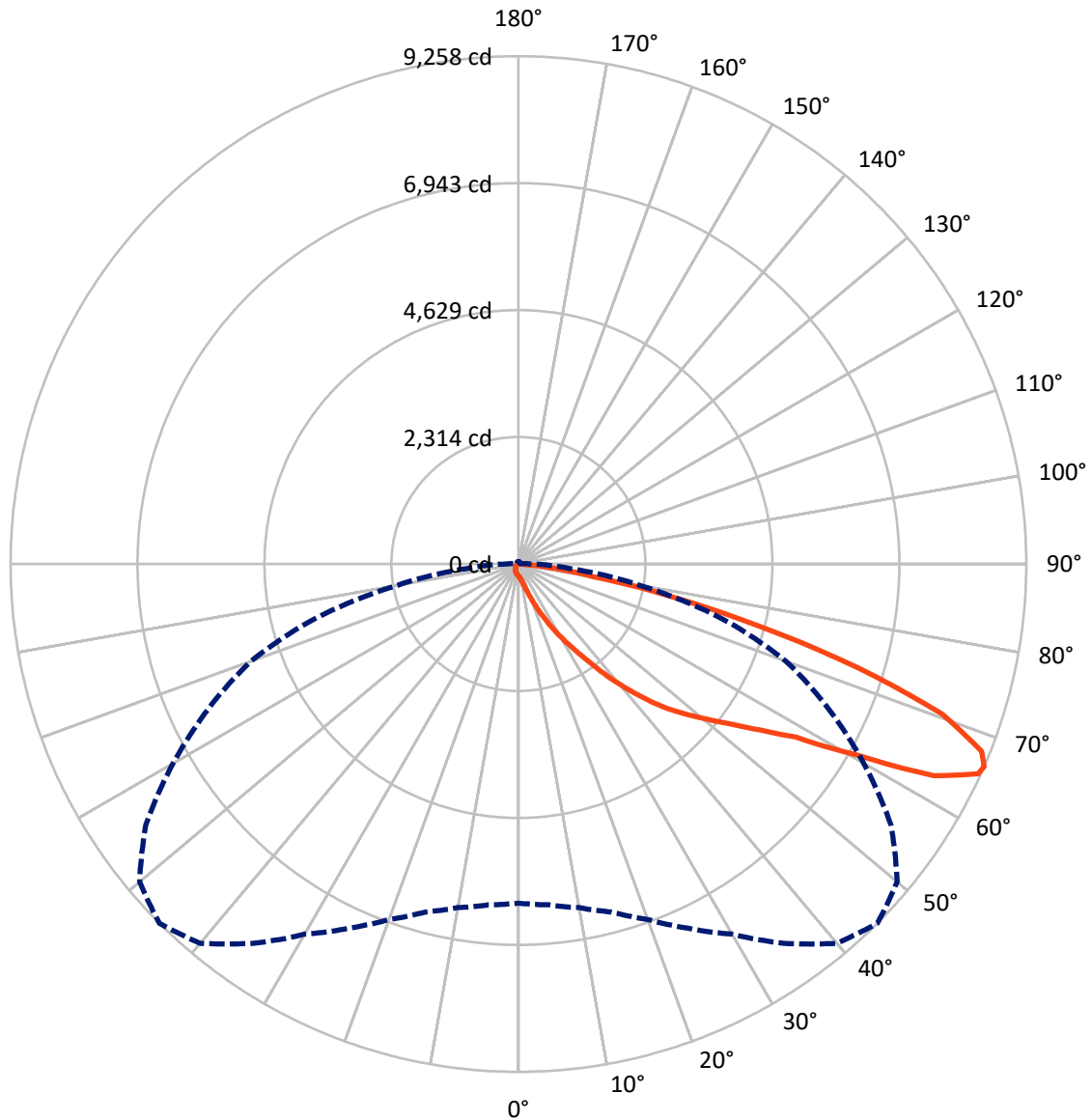
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 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	198.3	0.0	198.3
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	8551.2	0.0	8551.2
	% Fixture	97.7	0.0	97.7
Total	Lumens	8749.5	0.0	8749.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	0.3
10°-20°	89.2	1.0
20°-30°	261.4	3.0
30°-40°	610.6	7.0
40°-50°	1146.9	13.1
50°-60°	1900.7	21.7
60°-70°	3017.3	34.5
70°-80°	1560.4	17.8
80°-90°	140.9	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°	8749.5	100.0
0°-180°	8749.5	100.0

Coefficient of Utilization



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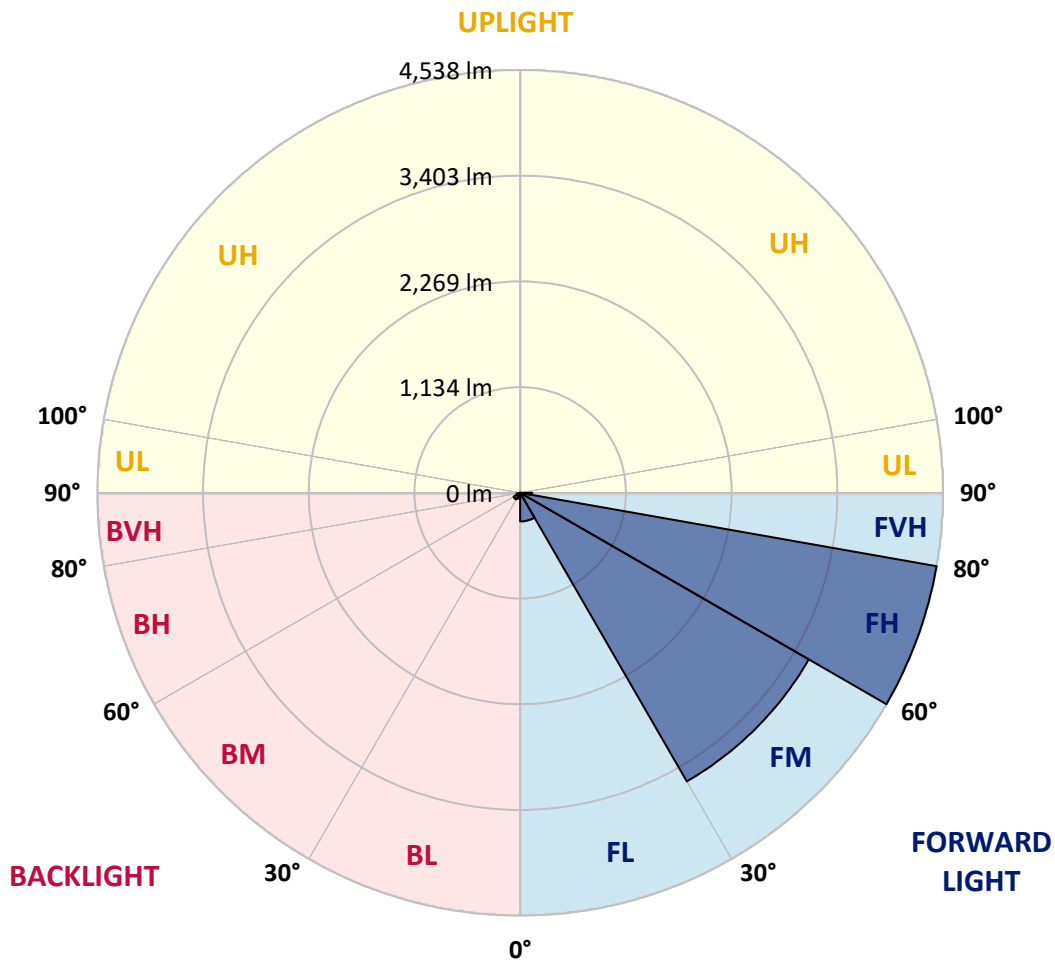
CATALOG NUMBER: AVM-F06-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.9	3.5			
FM	(30°-60°)	3575.9	40.9			
FH	(60°-80°)	4537.6	51.9			G2/5000
FVH	(80°-90°)	129.8	1.5			G2/225
BL	(0°-30°)	64.8	0.7	B0/110		
BM	(30°-60°)	82.2	0.9	B0/220		
BH	(60°-80°)	40.2	0.5	B0/110		G0/110
BVH	(80°-90°)	11.1	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°	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7
2.5°	236.8	236.8	236.8	236.8	235.2	233.7	232.2	230.7	229.2	229.2	227.7
5°	268.4	269.9	268.4	266.9	263.9	262.4	257.9	254.8	250.3	248.8	244.3
7.5°	312.2	310.6	312.2	307.6	301.6	300.1	294.1	286.5	280.5	271.4	265.4
10°	375.5	374.0	375.5	366.4	357.4	349.9	339.3	330.2	316.7	306.1	294.1
12.5°	476.5	476.5	473.5	461.4	449.4	432.8	416.2	396.6	372.5	351.4	331.8
15°	631.8	624.3	610.7	603.2	582.1	556.4	538.4	499.1	464.5	431.3	392.1
17.5°	818.8	803.8	793.2	776.6	749.5	716.3	686.1	628.8	594.1	539.9	484.1
20°	1033.0	1014.9	1011.9	986.2	957.6	921.4	877.6	809.8	751.0	683.1	604.7
22.5°	1251.6	1254.6	1242.6	1224.5	1195.8	1153.6	1085.8	1023.9	951.5	865.6	764.5
25°	1495.9	1494.4	1483.9	1462.7	1441.6	1388.9	1334.6	1275.8	1189.8	1079.7	959.1
27.5°	1725.1	1723.6	1698.0	1699.5	1658.8	1639.2	1586.4	1523.1	1419.0	1327.0	1195.8
30°	1964.9	1949.8	1933.2	1921.2	1892.5	1857.8	1830.7	1755.3	1676.9	1568.3	1461.2
32.5°	2207.7	2191.1	2195.6	2180.5	2157.9	2123.2	2082.5	2020.7	1936.3	1830.7	1731.2
35°	2504.8	2497.2	2485.2	2489.7	2485.2	2459.5	2424.8	2343.4	2251.4	2150.4	2047.8
37.5°	2724.9	2717.4	2724.9	2756.6	2764.1	2780.7	2755.1	2714.4	2648.0	2537.9	2430.9
40°	2928.5	2930.0	2964.7	3003.9	3031.1	3085.3	3094.4	3077.8	3025.0	2924.0	2783.7
42.5°	3111.0	3133.6	3165.3	3230.1	3288.9	3365.8	3423.1	3432.2	3393.0	3326.6	3184.9
45°	3314.6	3334.2	3383.9	3460.8	3542.3	3637.3	3729.3	3777.5	3774.5	3727.7	3575.4
47.5°	3542.3	3567.9	3622.2	3685.5	3794.1	3901.2	4020.3	4106.2	4142.4	4077.6	3929.8
50°	3818.2	3828.8	3875.5	3957.0	4056.5	4180.1	4309.8	4435.0	4505.9	4445.5	4293.2
52.5°	4145.5	4148.5	4192.2	4267.6	4347.5	4483.2	4609.9	4783.3	4875.3	4842.1	4659.7
55°	4594.8	4585.8	4615.9	4680.8	4745.6	4876.8	5003.5	5199.5	5333.7	5336.8	5142.2
57.5°	5208.6	5187.5	5207.1	5258.4	5330.7	5452.9	5612.7	5786.1	5965.6	5953.5	5793.7
60°	6063.6	6056.1	6092.3	6178.2	6301.9	6428.5	6609.5	6843.2	7001.6	7055.9	6888.5
62.5°	6632.1	6653.2	6736.2	6868.9	7107.1	7369.5	7705.8	8063.2	8364.8	8500.5	8269.8
65°	6387.8	6422.5	6552.2	6748.2	7063.4	7457.0	7903.4	8490.0	9010.2	9216.8	8977.0
66°	6181.2	6237.0	6359.2	6567.3	6896.0	7325.8	7791.8	8440.2	9025.3	9257.5	9013.2
67.5°	5823.8	5863.1	6001.8	6232.5	6585.4	7010.6	7514.3	8198.9	8859.4	9105.2	8862.4
70°	5095.5	5110.6	5223.7	5419.7	5692.7	6128.5	6585.4	7244.4	7852.1	8197.4	7932.0
72.5°	3792.6	3813.7	4000.7	4358.1	4712.5	4959.8	5229.7	5757.5	6149.6	6472.3	6421.0
75°	1824.7	1833.7	1958.9	2480.6	3171.3	3466.9	3717.2	4125.9	4275.1	4545.1	4504.4
77.5°	1156.6	1176.2	1257.7	1384.3	1776.4	2127.8	2325.3	2559.1	2602.8	2830.5	2697.8
80°	318.2	369.5	450.9	663.5	1138.5	1357.2	1446.2	1437.1	1446.2	1376.8	1331.6
82.5°	64.8	63.3	76.9	119.1	502.2	790.2	853.5	726.8	722.3	695.2	717.8
85°	16.6	15.1	18.1	37.7	86.0	233.7	294.1	164.4	125.2	119.1	105.6
87.5°	4.5	4.5	4.5	7.5	9.0	12.1	16.6	12.1	9.0	9.0	9.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7
2.5°	226.2	226.2	224.7	223.2	223.2	221.7	220.2	218.7	217.2	215.6	214.1
5°	239.8	236.8	232.2	229.2	226.2	221.7	218.7	215.6	212.6	211.1	208.1
7.5°	257.9	250.3	244.3	235.2	229.2	223.2	217.2	212.6	208.1	205.1	202.1
10°	280.5	268.4	256.4	244.3	233.7	224.7	215.6	208.1	203.6	199.1	196.0
12.5°	309.1	291.0	274.5	256.4	239.8	226.2	214.1	205.1	199.1	194.5	190.0
15°	355.9	327.2	298.6	271.4	250.3	229.2	212.6	202.1	194.5	190.0	185.5
17.5°	429.8	378.5	333.3	295.6	260.9	233.7	212.6	199.1	190.0	184.0	179.5
20°	536.8	452.4	380.0	325.7	280.5	241.3	212.6	194.5	185.5	177.9	173.4
22.5°	663.5	558.0	458.4	367.9	303.1	251.8	212.6	190.0	179.5	173.4	167.4
25°	849.0	708.8	573.0	446.4	340.8	268.4	217.2	187.0	174.9	167.4	161.4
27.5°	1066.1	897.3	728.4	550.4	398.1	292.5	223.2	184.0	170.4	161.4	155.3
30°	1313.5	1126.5	919.9	689.2	473.5	324.2	233.7	182.5	164.4	155.3	147.8
32.5°	1581.9	1384.3	1158.1	867.1	585.1	372.5	247.3	181.0	158.3	147.8	138.7
35°	1901.6	1717.6	1441.6	1117.4	758.5	455.4	277.5	184.0	152.3	140.2	129.7
37.5°	2251.4	2055.4	1762.8	1382.8	930.4	548.9	300.1	179.5	141.8	129.7	119.1
40°	2604.3	2379.6	2082.5	1661.8	1149.1	663.5	328.7	174.9	131.2	119.1	108.6
42.5°	2948.1	2711.4	2388.7	1948.3	1379.8	799.2	364.9	174.9	123.7	108.6	98.0
45°	3308.5	3023.5	2670.6	2222.8	1609.0	954.6	416.2	173.4	114.6	99.5	87.5
47.5°	3649.3	3311.5	2905.9	2464.1	1854.8	1125.0	475.0	174.9	107.1	90.5	79.9
50°	3972.0	3584.5	3147.2	2679.7	2090.1	1308.9	547.4	176.4	99.5	82.9	72.4
52.5°	4324.9	3895.1	3406.5	2901.4	2322.3	1494.4	631.8	179.5	92.0	75.4	66.4
55°	4762.2	4285.7	3726.2	3172.8	2568.1	1681.4	713.3	182.5	84.4	69.4	60.3
57.5°	5392.6	4849.7	4245.0	3580.0	2893.8	1894.0	797.7	190.0	78.4	64.8	55.8
60°	6418.0	5771.1	5072.9	4288.7	3380.9	2182.1	919.9	206.6	70.9	58.8	52.8
62.5°	7651.5	6873.4	5985.2	5033.7	3839.3	2376.6	1001.3	224.7	64.8	54.3	49.8
65°	8272.8	7292.6	6268.7	5241.8	3898.1	2319.3	968.1	218.7	57.3	48.3	42.2
66°	8290.9	7270.0	6229.5	5196.5	3837.8	2249.9	936.5	215.6	55.8	46.7	39.2
67.5°	8119.0	7075.5	6021.4	4991.4	3659.9	2115.7	879.2	205.1	51.3	42.2	34.7
70°	7270.0	6253.6	5287.0	4335.5	3148.7	1782.4	737.4	181.0	45.2	37.7	31.7
72.5°	5795.2	4967.3	4153.0	3411.1	2447.5	1337.6	582.1	147.8	39.2	33.2	27.1
75°	4047.4	3367.3	2747.6	2218.2	1538.1	800.7	377.0	104.1	33.2	27.1	22.6
77.5°	2259.0	1791.5	1354.2	1031.5	613.8	250.3	125.2	52.8	28.7	21.1	18.1
80°	1149.1	852.0	648.4	478.0	283.5	129.7	63.3	34.7	22.6	16.6	15.1
82.5°	668.0	490.1	390.6	309.1	194.5	98.0	51.3	25.6	15.1	12.1	13.6
85°	149.3	197.5	167.4	141.8	104.1	61.8	36.2	16.6	10.6	10.6	12.1
87.5°	12.1	16.6	15.1	19.6	21.1	19.6	15.1	9.0	7.5	9.0	9.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7	218.7
2.5°	212.6	211.1	211.1	209.6	208.1	208.1	208.1	206.6	208.1	208.1	208.1
5°	206.6	205.1	203.6	202.1	200.6	199.1	199.1	197.5	197.5	197.5	199.1
7.5°	200.6	197.5	196.0	193.0	191.5	190.0	190.0	188.5	188.5	188.5	188.5
10°	193.0	190.0	187.0	185.5	184.0	181.0	181.0	179.5	177.9	177.9	177.9
12.5°	187.0	184.0	181.0	177.9	174.9	173.4	171.9	170.4	168.9	168.9	168.9
15°	181.0	176.4	173.4	170.4	167.4	164.4	162.9	161.4	159.8	158.3	158.3
17.5°	174.9	170.4	165.9	162.9	159.8	156.8	155.3	150.8	150.8	149.3	149.3
20°	167.4	162.9	158.3	155.3	152.3	149.3	146.3	143.3	140.2	138.7	138.7
22.5°	161.4	156.8	152.3	147.8	143.3	138.7	135.7	132.7	131.2	129.7	128.2
25°	155.3	149.3	143.3	138.7	134.2	129.7	126.7	123.7	120.6	119.1	119.1
27.5°	147.8	141.8	135.7	129.7	125.2	120.6	117.6	113.1	111.6	110.1	108.6
30°	140.2	132.7	126.7	120.6	116.1	110.1	107.1	104.1	101.0	101.0	99.5
32.5°	131.2	123.7	117.6	111.6	105.6	101.0	98.0	95.0	93.5	90.5	90.5
35°	122.1	114.6	107.1	101.0	96.5	92.0	89.0	86.0	82.9	81.4	81.4
37.5°	111.6	104.1	98.0	92.0	87.5	82.9	79.9	76.9	75.4	73.9	72.4
40°	99.5	92.0	87.5	82.9	78.4	75.4	70.9	67.9	66.4	64.8	63.3
42.5°	89.0	81.4	78.4	75.4	70.9	67.9	63.3	60.3	57.3	55.8	54.3
45°	79.9	73.9	70.9	67.9	63.3	58.8	55.8	52.8	49.8	48.3	48.3
47.5°	70.9	66.4	63.3	60.3	55.8	52.8	48.3	46.7	43.7	43.7	43.7
50°	64.8	60.3	57.3	54.3	51.3	46.7	43.7	42.2	40.7	40.7	42.2
52.5°	60.3	55.8	52.8	49.8	46.7	43.7	40.7	39.2	39.2	40.7	42.2
55°	55.8	51.3	48.3	45.2	42.2	40.7	37.7	37.7	39.2	40.7	42.2
57.5°	52.8	46.7	43.7	42.2	39.2	37.7	37.7	37.7	39.2	40.7	43.7
60°	48.3	42.2	39.2	39.2	36.2	36.2	36.2	37.7	39.2	42.2	43.7
62.5°	42.2	37.7	36.2	36.2	34.7	34.7	36.2	37.7	40.7	42.2	43.7
65°	36.2	33.2	33.2	33.2	33.2	34.7	36.2	37.7	39.2	42.2	43.7
66°	33.2	31.7	31.7	33.2	33.2	34.7	36.2	37.7	39.2	40.7	42.2
67.5°	31.7	30.2	30.2	31.7	33.2	33.2	34.7	37.7	39.2	40.7	40.7
70°	27.1	27.1	27.1	30.2	31.7	33.2	34.7	36.2	37.7	39.2	40.7
72.5°	24.1	24.1	25.6	27.1	30.2	31.7	33.2	34.7	37.7	39.2	39.2
75°	21.1	21.1	24.1	25.6	28.7	30.2	33.2	34.7	36.2	37.7	37.7
77.5°	18.1	19.6	22.6	25.6	27.1	30.2	31.7	33.2	34.7	36.2	36.2
80°	16.6	19.6	22.6	24.1	25.6	27.1	28.7	31.7	33.2	34.7	36.2
82.5°	16.6	18.1	21.1	22.6	24.1	27.1	28.7	30.2	31.7	33.2	34.7
85°	13.6	16.6	18.1	21.1	22.6	25.6	27.1	27.1	28.7	30.2	31.7
87.5°	10.6	12.1	12.1	15.1	16.6	19.6	22.6	22.6	24.1	25.6	27.1
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°	218.7	218.7	218.7	218.7
2.5°	208.1	209.6	209.6	209.6
5°	199.1	199.1	199.1	199.1
7.5°	188.5	188.5	188.5	188.5
10°	177.9	177.9	179.5	177.9
12.5°	168.9	167.4	167.4	167.4
15°	158.3	158.3	156.8	158.3
17.5°	147.8	147.8	146.3	146.3
20°	137.2	137.2	137.2	137.2
22.5°	128.2	126.7	126.7	126.7
25°	117.6	117.6	117.6	117.6
27.5°	108.6	108.6	108.6	108.6
30°	99.5	99.5	98.0	98.0
32.5°	90.5	90.5	90.5	90.5
35°	81.4	81.4	79.9	79.9
37.5°	70.9	70.9	70.9	70.9
40°	61.8	61.8	61.8	61.8
42.5°	54.3	54.3	52.8	52.8
45°	46.7	46.7	46.7	46.7
47.5°	43.7	43.7	43.7	43.7
50°	42.2	43.7	43.7	43.7
52.5°	43.7	43.7	43.7	43.7
55°	43.7	45.2	45.2	45.2
57.5°	43.7	45.2	45.2	46.7
60°	45.2	46.7	46.7	46.7
62.5°	45.2	46.7	46.7	46.7
65°	43.7	45.2	45.2	45.2
66°	43.7	43.7	43.7	45.2
67.5°	42.2	43.7	43.7	43.7
70°	40.7	42.2	42.2	43.7
72.5°	40.7	42.2	42.2	42.2
75°	39.2	39.2	40.7	40.7
77.5°	37.7	37.7	39.2	39.2
80°	36.2	37.7	37.7	37.7
82.5°	34.7	36.2	36.2	36.2
85°	31.7	33.2	33.2	33.2
87.5°	27.1	27.1	28.7	28.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)