

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: P156319

Luminaire Tested: **AVM-E06-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156319
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-E06-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: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10598.7 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G3

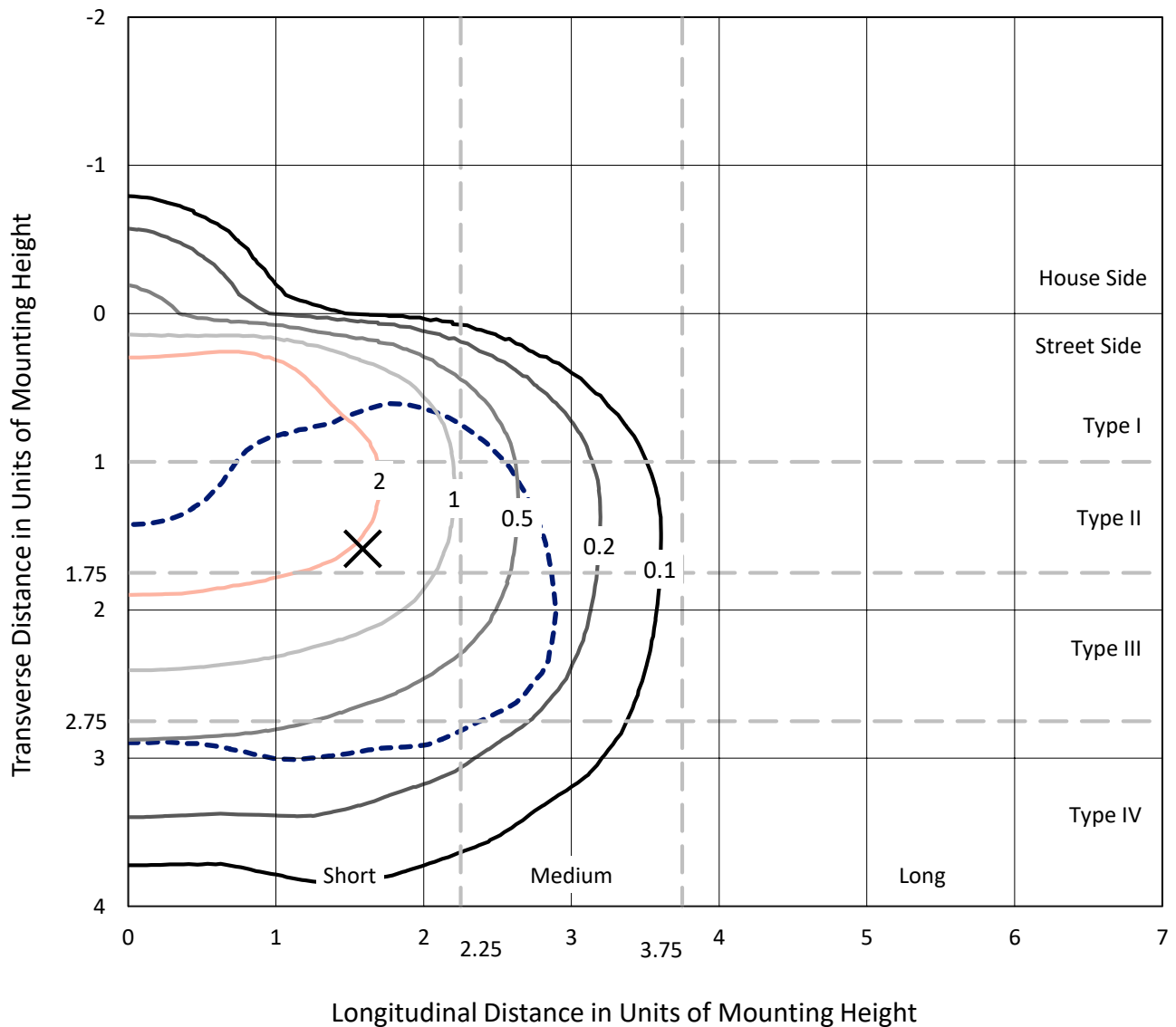
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

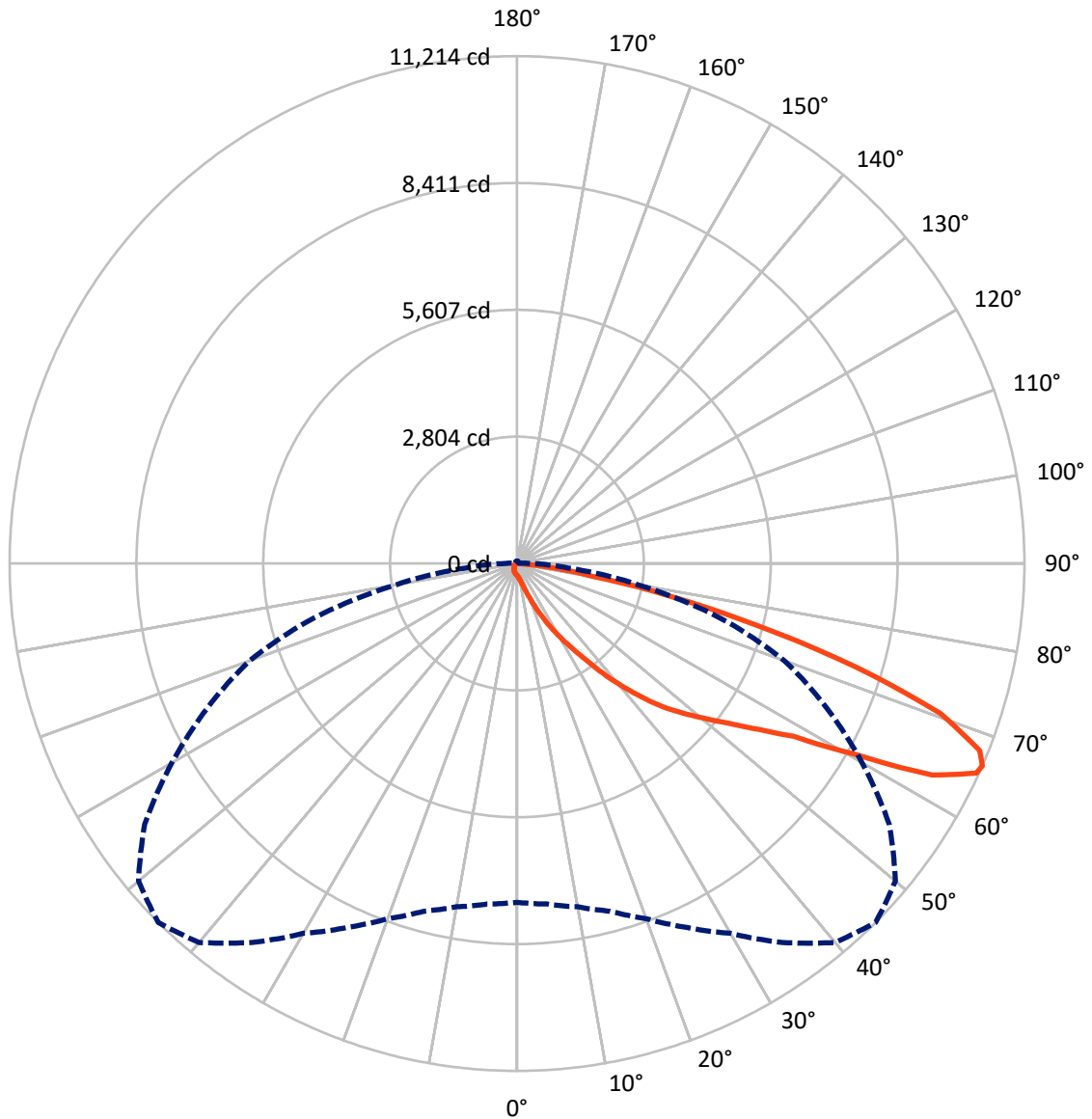
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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	240.2	0.0	240.2
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	10358.5	0.0	10358.5
	% Fixture	97.7	0.0	97.7
Total	Lumens	10598.7	0.0	10598.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	0.3
10°-20°	108.1	1.0
20°-30°	316.6	3.0
30°-40°	739.7	7.0
40°-50°	1389.3	13.1
50°-60°	2302.4	21.7
60°-70°	3655.0	34.5
70°-80°	1890.2	17.8
80°-90°	170.7	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°	10598.7	100.0
0°-180°	10598.7	100.0



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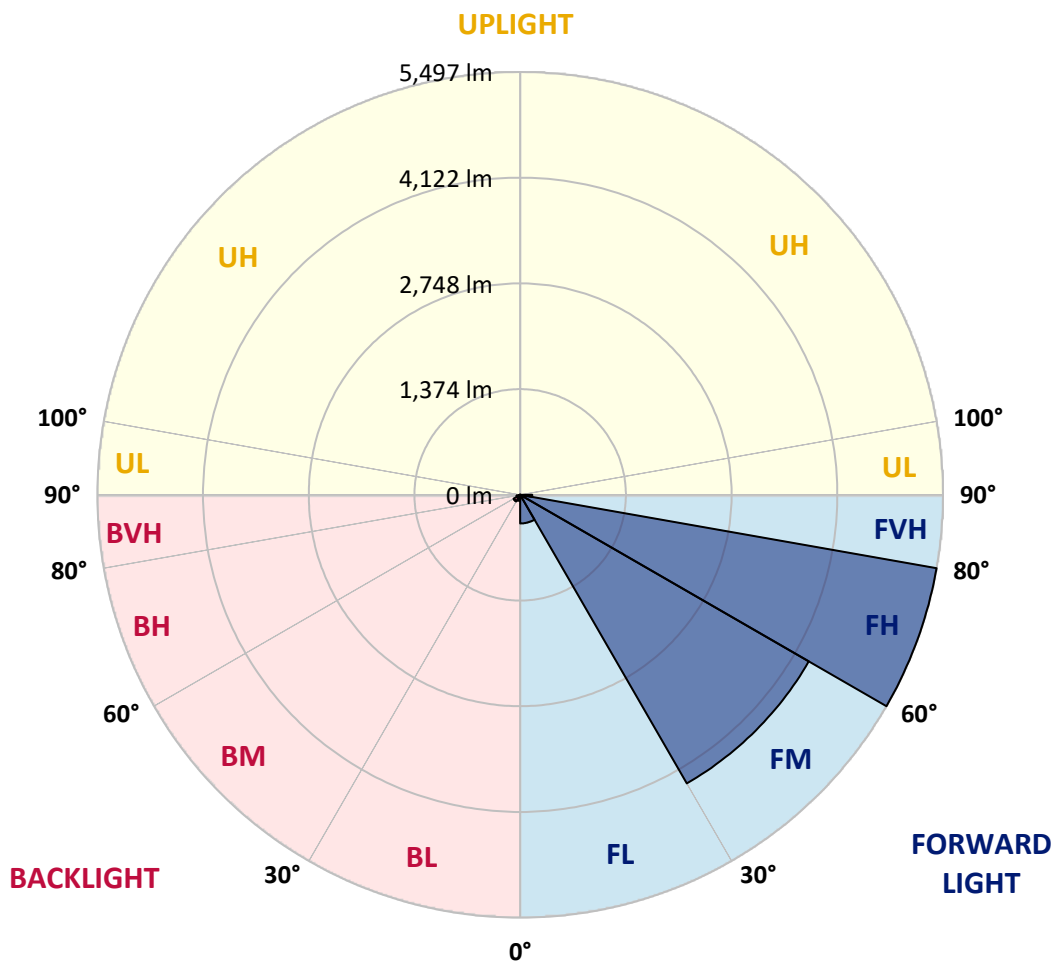
CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	372.9	3.5			
FM	(30°-60°)	4331.7	40.9			
FH	(60°-80°)	5496.6	51.9			G3/7500
FVH	(80°-90°)	157.2	1.5			G2/225
BL	(0°-30°)	78.4	0.7	B0/110		
BM	(30°-60°)	99.6	0.9	B0/220		
BH	(60°-80°)	48.6	0.5	B0/110		G0/110
BVH	(80°-90°)	13.5	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9
2.5°	286.8	286.8	286.8	286.8	285.0	283.1	281.3	279.5	277.7	277.7	275.8
5°	325.2	327.0	325.2	323.3	319.7	317.8	312.4	308.7	303.2	301.4	295.9
7.5°	378.1	376.3	378.1	372.6	365.3	363.5	356.2	347.1	339.8	328.8	321.5
10°	454.8	453.0	454.8	443.9	432.9	423.8	411.0	400.0	383.6	370.8	356.2
12.5°	577.2	577.2	573.6	559.0	544.4	524.3	504.2	480.4	451.2	425.6	401.9
15°	765.4	756.3	739.8	730.7	705.1	674.1	652.1	604.6	562.6	522.4	474.9
17.5°	991.9	973.6	960.8	940.8	907.9	867.7	831.1	761.7	719.7	654.0	586.4
20°	1251.3	1229.4	1225.7	1194.7	1160.0	1116.1	1063.1	980.9	909.7	827.5	732.5
22.5°	1516.2	1519.8	1505.2	1483.3	1448.6	1397.4	1315.2	1240.3	1152.6	1048.5	926.1
25°	1812.1	1810.3	1797.5	1771.9	1746.3	1682.4	1616.6	1545.4	1441.3	1307.9	1161.8
27.5°	2089.7	2087.9	2056.9	2058.7	2009.4	1985.6	1921.7	1845.0	1718.9	1607.5	1448.6
30°	2380.2	2361.9	2341.8	2327.2	2292.5	2250.5	2217.6	2126.3	2031.3	1899.8	1770.1
32.5°	2674.3	2654.2	2659.7	2641.4	2614.0	2572.0	2522.7	2447.8	2345.5	2217.6	2097.1
35°	3034.1	3025.0	3010.4	3015.9	3010.4	2979.3	2937.3	2838.7	2727.3	2604.9	2480.7
37.5°	3300.8	3291.7	3300.8	3339.2	3348.3	3368.4	3337.4	3288.1	3207.7	3074.3	2944.6
40°	3547.5	3549.3	3591.3	3638.8	3671.7	3737.4	3748.4	3728.3	3664.4	3542.0	3372.1
42.5°	3768.5	3795.9	3834.2	3912.8	3984.0	4077.2	4146.6	4157.6	4110.1	4029.7	3858.0
45°	4015.1	4038.8	4099.1	4192.3	4290.9	4406.0	4517.4	4575.9	4572.2	4515.6	4331.1
47.5°	4290.9	4322.0	4387.7	4464.5	4596.0	4725.7	4870.0	4974.1	5017.9	4939.4	4760.4
50°	4625.2	4638.0	4694.6	4793.3	4913.8	5063.6	5220.7	5372.3	5458.2	5385.1	5200.6
52.5°	5021.6	5025.3	5078.2	5169.6	5266.4	5430.8	5584.2	5794.3	5905.7	5865.5	5644.5
55°	5566.0	5555.0	5591.5	5670.1	5748.6	5907.6	6061.0	6298.5	6461.0	6464.7	6229.0
57.5°	6309.4	6283.9	6307.6	6369.7	6457.4	6605.3	6799.0	7009.1	7226.4	7211.8	7018.2
60°	7345.2	7336.0	7379.9	7484.0	7633.8	7787.2	8006.4	8289.6	8481.4	8547.1	8344.4
62.5°	8033.8	8059.4	8159.9	8320.6	8609.2	8927.1	9334.4	9767.4	10132.7	10297.1	10017.6
65°	7737.9	7779.9	7937.0	8174.5	8556.3	9033.0	9573.7	10284.3	10914.5	11164.8	10874.3
66°	7487.6	7555.2	7703.2	7955.3	8353.5	8874.1	9438.6	10224.0	10932.8	11214.1	10918.2
67.5°	7054.7	7102.2	7270.3	7549.8	7977.2	8492.3	9102.4	9931.8	10731.9	11029.6	10735.5
70°	6172.4	6190.7	6327.7	6565.2	6895.8	7423.7	7977.2	8775.5	9511.6	9929.9	9608.4
72.5°	4594.2	4619.7	4846.2	5279.2	5708.4	6008.0	6335.0	6974.3	7449.3	7840.2	7778.1
75°	2210.3	2221.3	2372.9	3004.9	3841.6	4199.6	4502.8	4997.9	5178.7	5505.7	5456.4
77.5°	1401.1	1424.8	1523.5	1676.9	2151.9	2577.5	2816.8	3099.9	3152.9	3428.7	3268.0
80°	385.4	447.5	546.2	803.7	1379.2	1644.0	1751.8	1740.8	1751.8	1667.8	1613.0
82.5°	78.5	76.7	93.2	144.3	608.3	957.2	1033.9	880.5	875.0	842.1	869.5
85°	20.1	18.3	21.9	45.7	104.1	283.1	356.2	199.1	151.6	144.3	127.9
87.5°	5.5	5.5	5.5	9.1	11.0	14.6	20.1	14.6	11.0	11.0	11.0
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°	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9
2.5°	274.0	274.0	272.2	270.4	270.4	268.5	266.7	264.9	263.0	261.2	259.4
5°	290.4	286.8	281.3	277.7	274.0	268.5	264.9	261.2	257.6	255.7	252.1
7.5°	312.4	303.2	295.9	285.0	277.7	270.4	263.0	257.6	252.1	248.4	244.8
10°	339.8	325.2	310.5	295.9	283.1	272.2	261.2	252.1	246.6	241.1	237.5
12.5°	374.5	352.6	332.5	310.5	290.4	274.0	259.4	248.4	241.1	235.6	230.2
15°	431.1	396.4	361.7	328.8	303.2	277.7	257.6	244.8	235.6	230.2	224.7
17.5°	520.6	458.5	403.7	358.0	316.0	283.1	257.6	241.1	230.2	222.9	217.4
20°	650.3	548.0	460.3	394.6	339.8	292.3	257.6	235.6	224.7	215.6	210.1
22.5°	803.7	675.9	555.3	445.7	367.2	305.1	257.6	230.2	217.4	210.1	202.8
25°	1028.4	858.5	694.1	540.7	412.8	325.2	263.0	226.5	211.9	202.8	195.5
27.5°	1291.5	1086.9	882.3	666.7	482.2	354.4	270.4	222.9	206.4	195.5	188.2
30°	1591.1	1364.5	1114.3	834.8	573.6	392.7	283.1	221.0	199.1	188.2	179.0
32.5°	1916.2	1676.9	1402.9	1050.4	708.8	451.2	299.6	219.2	191.8	179.0	168.1
35°	2303.5	2080.6	1746.3	1353.6	918.8	551.7	336.1	222.9	184.5	169.9	157.1
37.5°	2727.3	2489.8	2135.4	1675.1	1127.1	664.9	363.5	217.4	171.7	157.1	144.3
40°	3154.7	2882.5	2522.7	2013.0	1391.9	803.7	398.2	211.9	158.9	144.3	131.5
42.5°	3571.2	3284.4	2893.5	2360.1	1671.4	968.2	442.1	211.9	149.8	131.5	118.7
45°	4007.8	3662.5	3235.1	2692.6	1949.1	1156.3	504.2	210.1	138.8	120.6	105.9
47.5°	4420.6	4011.4	3520.1	2984.8	2246.8	1362.7	575.4	211.9	129.7	109.6	96.8
50°	4811.5	4342.1	3812.3	3246.0	2531.8	1585.6	663.1	213.7	120.6	100.5	87.7
52.5°	5239.0	4718.4	4126.5	3514.6	2813.1	1810.3	765.4	217.4	111.4	91.3	80.4
55°	5768.7	5191.5	4513.8	3843.4	3110.9	2036.8	864.0	221.0	102.3	84.0	73.1
57.5°	6532.3	5874.7	5142.2	4336.6	3505.4	2294.3	966.3	230.2	95.0	78.5	67.6
60°	7774.4	6990.8	6145.0	5195.1	4095.5	2643.2	1114.3	250.3	85.9	71.2	63.9
62.5°	9268.7	8326.1	7250.2	6097.5	4650.8	2878.9	1212.9	272.2	78.5	65.8	60.3
65°	10021.3	8833.9	7593.6	6349.6	4722.0	2809.5	1172.7	264.9	69.4	58.5	51.1
66°	10043.2	8806.5	7546.1	6294.8	4649.0	2725.4	1134.4	261.2	67.6	56.6	47.5
67.5°	9835.0	8570.9	7294.0	6046.4	4433.4	2562.9	1065.0	248.4	62.1	51.1	42.0
70°	8806.5	7575.3	6404.4	5251.8	3814.2	2159.2	893.3	219.2	54.8	45.7	38.4
72.5°	7020.0	6017.2	5030.7	4132.0	2964.7	1620.3	705.1	179.0	47.5	40.2	32.9
75°	4902.9	4079.0	3328.2	2687.1	1863.2	970.0	456.7	126.0	40.2	32.9	27.4
77.5°	2736.4	2170.1	1640.4	1249.5	743.5	303.2	151.6	63.9	34.7	25.6	21.9
80°	1391.9	1032.1	785.5	579.1	343.4	157.1	76.7	42.0	27.4	20.1	18.3
82.5°	809.2	593.7	473.1	374.5	235.6	118.7	62.1	31.1	18.3	14.6	16.4
85°	180.8	239.3	202.8	171.7	126.0	74.9	43.8	20.1	12.8	12.8	14.6
87.5°	14.6	20.1	18.3	23.7	25.6	23.7	18.3	11.0	9.1	11.0	11.0
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°	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9	264.9
2.5°	257.6	255.7	255.7	253.9	252.1	252.1	252.1	250.3	252.1	252.1	252.1
5°	250.3	248.4	246.6	244.8	243.0	241.1	241.1	239.3	239.3	239.3	241.1
7.5°	243.0	239.3	237.5	233.8	232.0	230.2	230.2	228.3	228.3	228.3	228.3
10°	233.8	230.2	226.5	224.7	222.9	219.2	219.2	217.4	215.6	215.6	215.6
12.5°	226.5	222.9	219.2	215.6	211.9	210.1	208.2	206.4	204.6	204.6	204.6
15°	219.2	213.7	210.1	206.4	202.8	199.1	197.3	195.5	193.6	191.8	191.8
17.5°	211.9	206.4	200.9	197.3	193.6	190.0	188.2	182.7	182.7	180.8	180.8
20°	202.8	197.3	191.8	188.2	184.5	180.8	177.2	173.5	169.9	168.1	168.1
22.5°	195.5	190.0	184.5	179.0	173.5	168.1	164.4	160.7	158.9	157.1	155.3
25°	188.2	180.8	173.5	168.1	162.6	157.1	153.4	149.8	146.1	144.3	144.3
27.5°	179.0	171.7	164.4	157.1	151.6	146.1	142.5	137.0	135.2	133.3	131.5
30°	169.9	160.7	153.4	146.1	140.7	133.3	129.7	126.0	122.4	122.4	120.6
32.5°	158.9	149.8	142.5	135.2	127.9	122.4	118.7	115.1	113.3	109.6	109.6
35°	148.0	138.8	129.7	122.4	116.9	111.4	107.8	104.1	100.5	98.6	98.6
37.5°	135.2	126.0	118.7	111.4	105.9	100.5	96.8	93.2	91.3	89.5	87.7
40°	120.6	111.4	105.9	100.5	95.0	91.3	85.9	82.2	80.4	78.5	76.7
42.5°	107.8	98.6	95.0	91.3	85.9	82.2	76.7	73.1	69.4	67.6	65.8
45°	96.8	89.5	85.9	82.2	76.7	71.2	67.6	63.9	60.3	58.5	58.5
47.5°	85.9	80.4	76.7	73.1	67.6	63.9	58.5	56.6	53.0	53.0	53.0
50°	78.5	73.1	69.4	65.8	62.1	56.6	53.0	51.1	49.3	49.3	51.1
52.5°	73.1	67.6	63.9	60.3	56.6	53.0	49.3	47.5	47.5	49.3	51.1
55°	67.6	62.1	58.5	54.8	51.1	49.3	45.7	45.7	47.5	49.3	51.1
57.5°	63.9	56.6	53.0	51.1	47.5	45.7	45.7	45.7	47.5	49.3	53.0
60°	58.5	51.1	47.5	47.5	43.8	43.8	43.8	45.7	47.5	51.1	53.0
62.5°	51.1	45.7	43.8	43.8	42.0	42.0	43.8	45.7	49.3	51.1	53.0
65°	43.8	40.2	40.2	40.2	40.2	42.0	43.8	45.7	47.5	51.1	53.0
66°	40.2	38.4	38.4	40.2	40.2	42.0	43.8	45.7	47.5	49.3	51.1
67.5°	38.4	36.5	36.5	38.4	40.2	40.2	42.0	45.7	47.5	49.3	49.3
70°	32.9	32.9	32.9	36.5	38.4	40.2	42.0	43.8	45.7	47.5	49.3
72.5°	29.2	29.2	31.1	32.9	36.5	38.4	40.2	42.0	45.7	47.5	47.5
75°	25.6	25.6	29.2	31.1	34.7	36.5	40.2	42.0	43.8	45.7	45.7
77.5°	21.9	23.7	27.4	31.1	32.9	36.5	38.4	40.2	42.0	43.8	43.8
80°	20.1	23.7	27.4	29.2	31.1	32.9	34.7	38.4	40.2	42.0	43.8
82.5°	20.1	21.9	25.6	27.4	29.2	32.9	34.7	36.5	38.4	40.2	42.0
85°	16.4	20.1	21.9	25.6	27.4	31.1	32.9	32.9	34.7	36.5	38.4
87.5°	12.8	14.6	14.6	18.3	20.1	23.7	27.4	27.4	29.2	31.1	32.9
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°	264.9	264.9	264.9	264.9
2.5°	252.1	253.9	253.9	253.9
5°	241.1	241.1	241.1	241.1
7.5°	228.3	228.3	228.3	228.3
10°	215.6	215.6	217.4	215.6
12.5°	204.6	202.8	202.8	202.8
15°	191.8	191.8	190.0	191.8
17.5°	179.0	179.0	177.2	177.2
20°	166.2	166.2	166.2	166.2
22.5°	155.3	153.4	153.4	153.4
25°	142.5	142.5	142.5	142.5
27.5°	131.5	131.5	131.5	131.5
30°	120.6	120.6	118.7	118.7
32.5°	109.6	109.6	109.6	109.6
35°	98.6	98.6	96.8	96.8
37.5°	85.9	85.9	85.9	85.9
40°	74.9	74.9	74.9	74.9
42.5°	65.8	65.8	63.9	63.9
45°	56.6	56.6	56.6	56.6
47.5°	53.0	53.0	53.0	53.0
50°	51.1	53.0	53.0	53.0
52.5°	53.0	53.0	53.0	53.0
55°	53.0	54.8	54.8	54.8
57.5°	53.0	54.8	54.8	56.6
60°	54.8	56.6	56.6	56.6
62.5°	54.8	56.6	56.6	56.6
65°	53.0	54.8	54.8	54.8
66°	53.0	53.0	53.0	54.8
67.5°	51.1	53.0	53.0	53.0
70°	49.3	51.1	51.1	53.0
72.5°	49.3	51.1	51.1	51.1
75°	47.5	47.5	49.3	49.3
77.5°	45.7	45.7	47.5	47.5
80°	43.8	45.7	45.7	45.7
82.5°	42.0	43.8	43.8	43.8
85°	38.4	40.2	40.2	40.2
87.5°	32.9	32.9	34.7	34.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)