

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: P314601

Luminaire Tested: **MPW-A3-D-U-ASYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1906-378-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPW-A3-D-U-ASYM-7030
Description: WOODBRIDGE POST TOP LUMINAIRE
(1) 70 CRI, 3000K LIGHT ENGINE. ASYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3136 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U4 - G3

Input Watts (W): 28.8
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

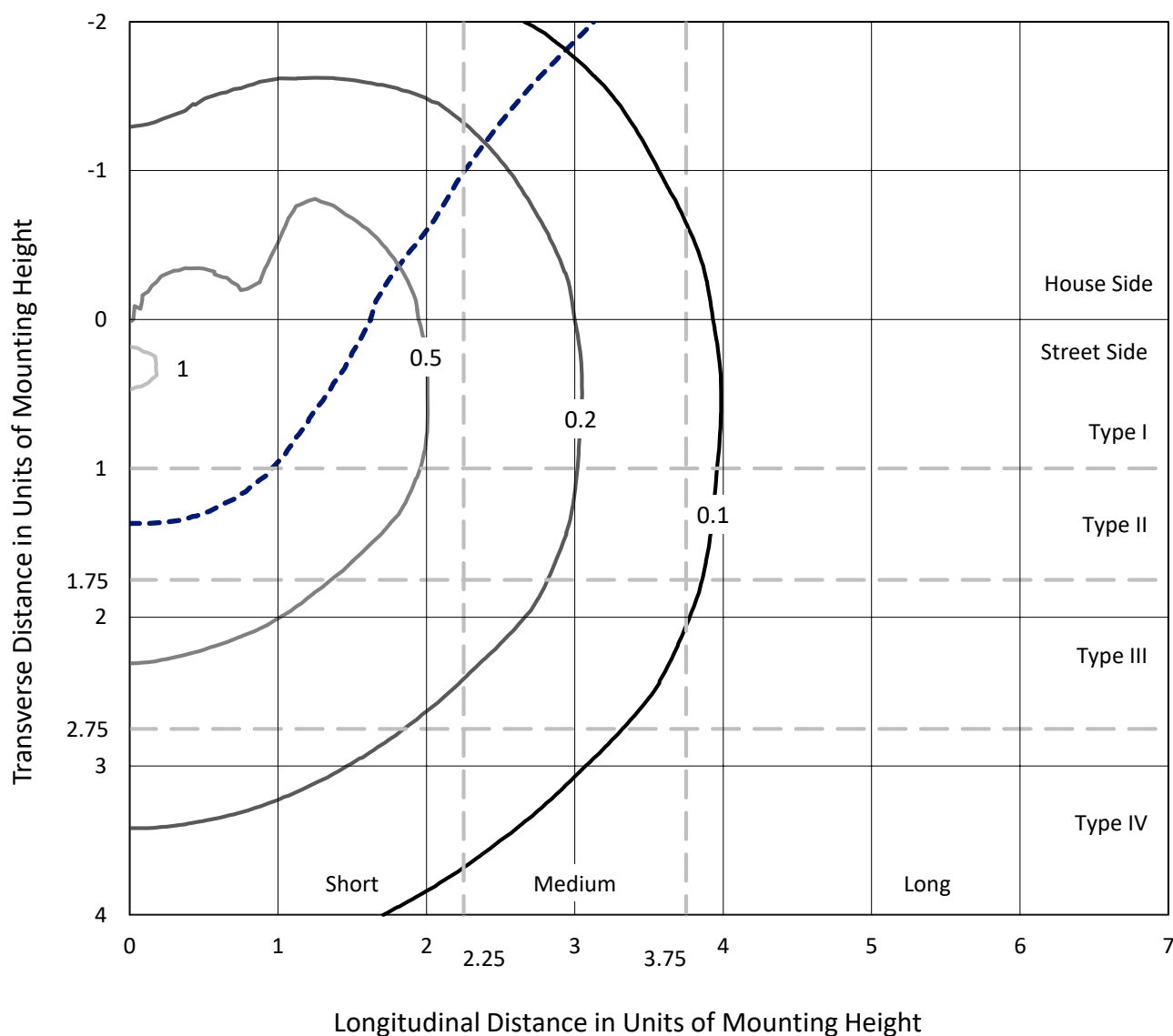


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

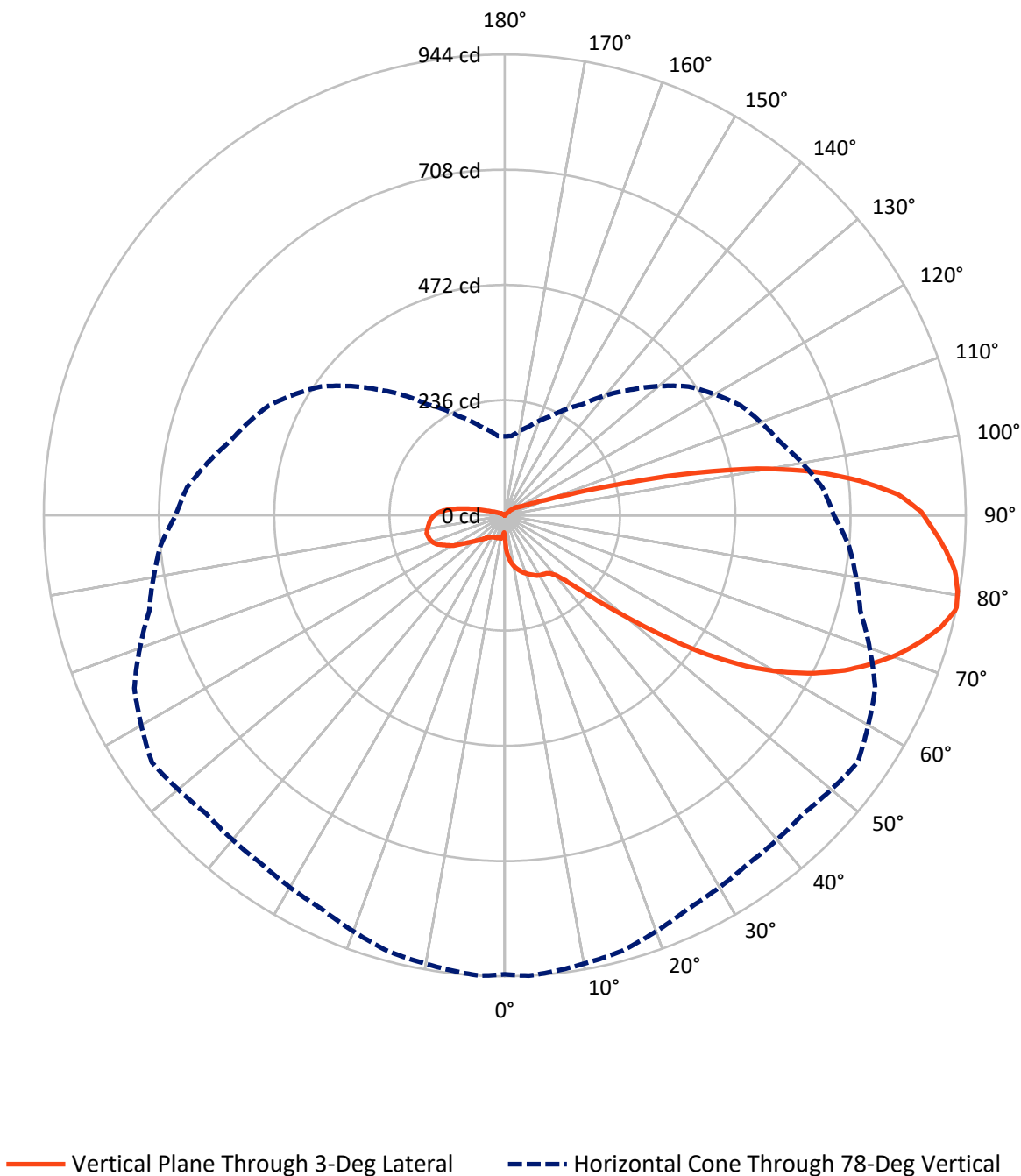


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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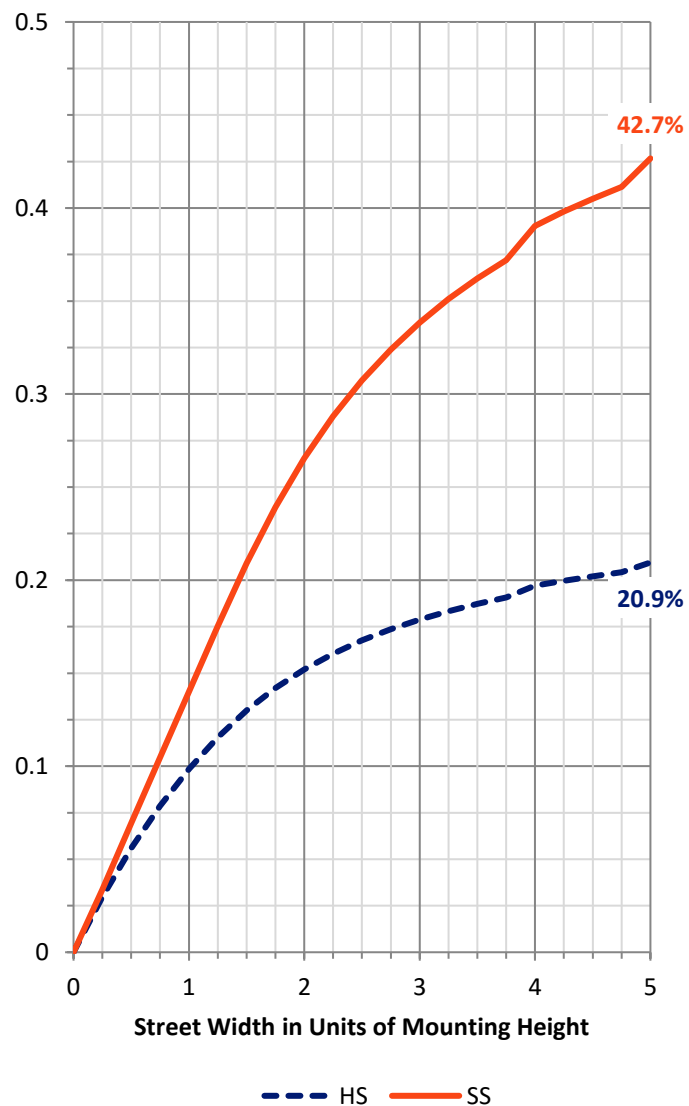
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	749.1	241.5	990.6
	% Fixture	23.9	7.7	31.6
Street Side	Lumens	1613.6	531.8	2145.3
	% Fixture	51.5	17.0	68.4
Total	Lumens	2362.7	773.3	3136.0
	% Fixture	75.3	24.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.2
10°-20°	23.9	0.8
20°-30°	44.7	1.4
30°-40°	66.6	2.1
40°-50°	130.2	4.2
50°-60°	311.1	9.9
60°-70°	498.7	15.9
70°-80°	632.7	20.2
80°-90°	648.5	20.7
90°-100°	524.4	16.7
100°-110°	190.1	6.1
110°-120°	38.5	1.2
120°-130°	17.0	0.5
130°-140°	3.2	0.1
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°	2362.7	75.3
0°-180°	3136.0	100.0

Coefficient of Utilization



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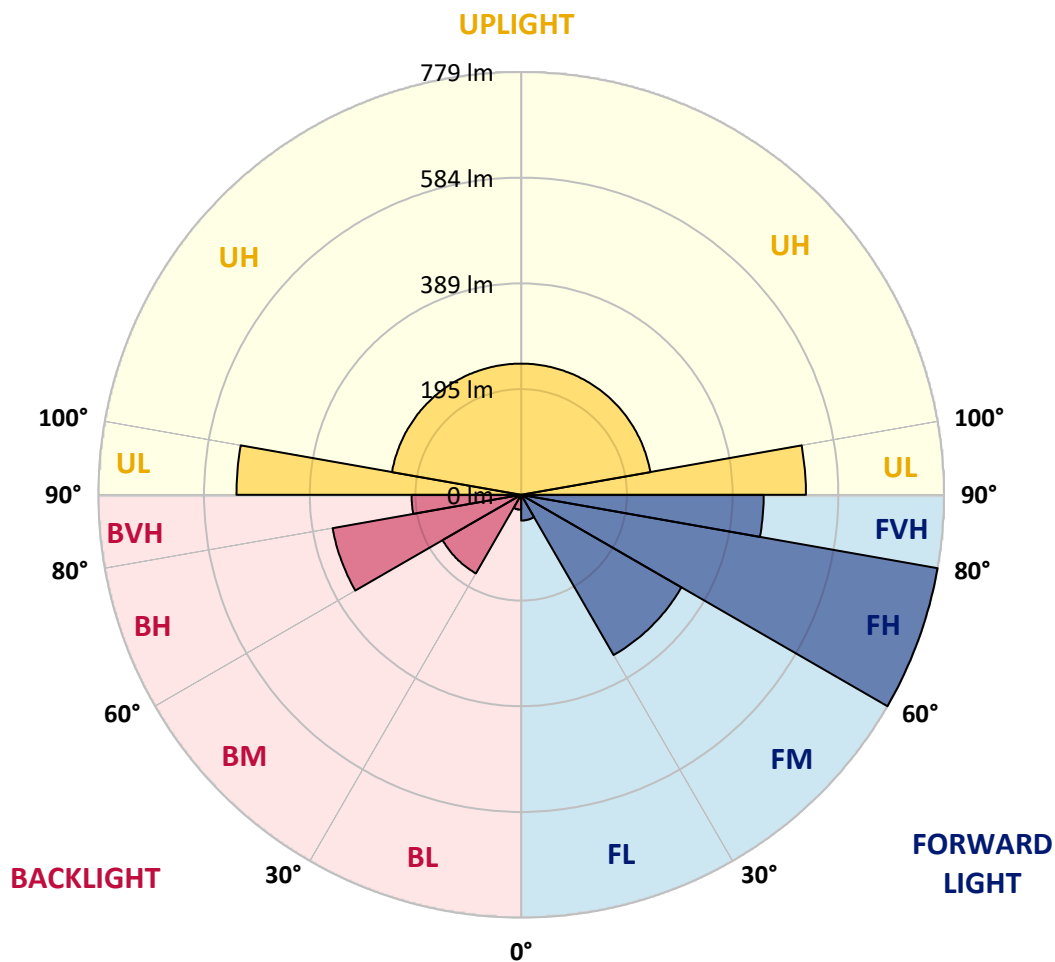
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.5	1.5			
FM	(30°-60°)	340.8	10.9			
FH	(60°-80°)	778.8	24.8			G1/1800
FVH	(80°-90°)	446.6	14.2			G3/500
BL	(0°-30°)	27.5	0.9	B0/110		
BM	(30°-60°)	167.1	5.3	B0/220		
BH	(60°-80°)	352.6	11.2	B1/500		G1/500
BVH	(80°-90°)	201.9	6.4			G2/225
UL	(90°-100°)	524.4	16.7		U4/1000	
UH	(100°-180°)	241.5	7.7		U3/500	

BUG Rating: B1-U4-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	75.2	73.7	73.7	72.8	71.8	69.0	67.6	64.7	61.4	57.6	54.2
5°	88.5	87.5	87.5	87.1	86.6	84.2	81.8	78.0	73.3	68.5	62.8
7.5°	98.5	98.5	98.0	97.5	96.1	93.3	90.4	86.6	81.8	77.6	72.8
10°	106.6	106.6	106.6	105.2	103.2	100.9	97.1	92.8	87.5	82.8	77.6
12.5°	112.3	112.3	112.3	110.4	108.5	106.1	101.8	97.5	92.3	87.5	82.3
15°	118.5	118.0	118.5	115.1	113.2	110.9	106.6	102.8	97.5	93.3	88.0
17.5°	122.8	122.8	122.3	120.9	118.5	115.6	111.3	107.5	102.8	98.0	92.8
20°	127.0	127.0	126.6	125.1	123.2	120.4	116.6	111.8	107.5	102.8	97.1
22.5°	130.8	131.3	130.8	129.4	127.5	125.1	121.8	117.0	112.3	107.1	101.3
25°	135.1	135.1	135.6	134.2	131.8	129.4	126.1	121.8	117.0	111.3	104.7
27.5°	139.4	139.4	139.4	138.0	135.1	132.7	128.9	125.1	119.9	113.7	107.1
30°	141.8	142.3	141.8	140.8	138.0	135.1	131.3	127.0	121.8	115.1	108.5
32.5°	143.7	143.7	143.7	142.3	139.4	136.6	132.7	127.5	122.3	116.1	109.0
35°	146.1	146.1	145.6	144.2	141.8	138.9	134.7	129.9	124.2	118.0	110.4
37.5°	150.4	150.4	149.9	148.4	146.1	144.2	140.4	135.6	130.4	124.2	115.1
40°	161.3	160.8	160.3	159.9	158.0	158.0	155.1	150.8	144.6	138.9	127.5
42.5°	183.7	182.2	182.2	182.2	181.3	182.7	181.8	177.5	171.3	163.7	149.9
45°	220.8	217.9	217.9	217.0	218.9	219.3	219.3	215.1	207.4	197.9	181.3
47.5°	273.6	268.8	269.8	266.4	265.0	269.8	270.7	263.6	259.3	243.6	220.8
50°	339.7	333.5	336.4	331.2	325.4	331.6	334.5	330.2	324.0	303.6	277.4
52.5°	415.8	414.4	410.1	403.5	404.0	407.3	409.7	417.8	405.4	379.2	347.3
55°	503.9	502.4	501.0	486.7	487.2	487.2	491.5	499.6	489.1	450.6	419.2
57.5°	586.7	582.4	583.3	566.2	561.9	551.5	557.6	567.6	549.1	504.8	470.1
60°	653.3	649.9	647.6	632.8	625.7	611.4	609.5	621.9	600.9	548.1	509.1
62.5°	712.3	711.3	708.0	687.1	681.3	660.9	657.1	669.0	642.3	583.3	543.8
65°	768.4	764.6	754.6	737.5	729.9	705.6	705.1	718.5	689.4	624.2	579.5
67.5°	813.1	810.8	809.8	783.2	768.4	746.5	742.7	760.8	727.0	652.3	608.1
70°	853.1	853.1	850.3	828.8	806.5	787.0	781.7	803.1	764.6	691.3	645.2
72.5°	889.7	888.3	886.9	867.9	839.3	817.9	811.2	836.0	792.2	713.2	668.5
75°	916.4	920.2	916.9	899.7	868.3	846.0	840.3	863.6	818.4	739.9	693.7
77.5°	936.4	941.6	938.3	921.1	885.9	865.5	860.2	880.2	834.6	751.8	707.5
78°	939.7	943.5	940.7	923.5	888.3	869.8	863.6	881.7	836.5	753.2	707.0
80°	937.8	939.7	938.8	924.5	886.9	869.3	859.8	877.4	832.6	748.0	701.3
82.5°	926.9	928.3	928.3	915.9	872.1	860.2	852.2	871.7	826.0	744.2	707.0
85°	902.6	905.4	906.4	897.4	854.1	842.2	832.6	851.2	802.2	723.7	682.8
87.5°	879.3	878.8	878.8	871.7	830.7	821.7	813.1	830.3	785.1	708.5	672.3
90°	851.7	852.2	853.6	845.5	804.6	796.5	787.4	807.9	763.7	695.6	662.3
92.5°	806.0	807.4	807.0	800.3	762.7	756.0	748.0	766.0	725.1	658.0	627.1
95°	728.9	731.8	730.8	726.1	697.0	686.1	678.5	698.9	661.4	601.4	576.2
97.5°	637.1	640.9	640.4	635.2	611.4	607.1	598.1	618.5	587.1	536.2	514.8
100°	518.6	525.3	522.4	519.1	506.7	504.8	502.0	522.9	499.1	458.7	439.6
102.5°	366.4	373.0	370.2	369.7	364.5	371.6	371.1	391.6	375.4	344.5	328.8
105°	224.1	227.4	225.1	222.2	217.4	222.2	217.0	221.2	209.8	187.9	177.5
107.5°	133.7	136.1	134.7	131.8	128.5	128.9	125.6	126.1	119.4	108.5	102.8



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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
110°	89.9	90.9	90.4	87.5	85.6	86.1	84.7	84.7	82.3	76.6	72.8
112.5°	66.1	66.6	67.1	64.2	63.3	63.3	63.3	63.3	61.9	58.5	55.7
115°	50.9	51.4	51.4	49.5	48.5	49.0	49.0	49.5	49.0	46.6	44.7
117.5°	40.9	40.9	40.9	39.5	38.5	39.0	39.0	39.5	39.5	38.1	36.6
120°	34.3	34.7	34.7	33.8	32.8	32.8	32.8	32.8	33.3	32.4	30.9
122.5°	30.9	30.9	30.9	30.0	29.0	28.5	29.0	29.0	29.0	28.5	27.6
125°	28.1	28.1	28.1	27.1	26.2	25.7	26.2	26.2	26.6	26.2	25.2
127.5°	23.8	24.3	24.3	23.3	21.9	21.9	22.4	22.8	23.3	23.3	22.4
130°	17.6	18.1	18.1	17.6	16.2	16.2	17.1	17.6	18.6	18.6	17.6
132.5°	11.9	11.4	11.4	10.9	10.0	10.5	10.9	11.9	12.8	12.8	12.4
135°	1.9	1.4	1.4	1.4	1.4	1.4	2.4	2.4	3.3	3.8	3.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.5	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
170°	0.5	0.5	0.5	0.0	0.5	0.5	0.0	0.5	0.5	0.0	0.0
172.5°	0.0	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
175°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
180°	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°	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
2.5°	52.8	51.4	48.1	45.7	42.3	40.4	38.1	36.2	35.2	34.7	34.7
5°	60.9	58.5	54.2	51.4	47.6	45.2	43.3	41.9	40.9	40.9	40.9
7.5°	70.4	67.1	61.9	57.1	53.8	51.4	49.5	47.6	46.2	45.7	45.2
10°	75.2	72.8	68.0	63.8	59.0	55.7	52.3	50.0	48.1	47.6	47.1
12.5°	79.5	76.6	71.4	67.1	61.9	57.6	53.8	50.4	48.1	47.1	46.6
15°	85.2	81.8	76.1	70.4	65.2	60.0	55.7	51.4	48.5	47.6	47.1
17.5°	89.9	86.6	80.4	74.7	68.5	62.8	57.6	52.8	49.5	48.5	48.1
20°	94.2	90.4	83.7	78.0	70.9	64.7	58.5	53.8	50.0	48.5	48.5
22.5°	98.0	94.2	87.5	80.9	73.3	66.1	60.0	54.2	50.4	49.0	48.5
25°	101.3	97.5	90.4	83.3	75.2	67.6	60.9	55.2	50.9	49.0	48.5
27.5°	103.7	99.9	92.8	85.2	77.1	69.0	62.3	56.1	51.9	49.5	49.5
30°	105.2	101.8	94.2	86.6	78.5	70.4	63.3	57.1	52.8	50.4	50.4
32.5°	105.6	102.3	95.2	87.5	79.9	71.8	64.7	58.5	54.2	51.9	51.9
35°	106.6	103.2	96.6	89.0	81.4	73.7	66.6	60.4	56.1	54.2	53.8
37.5°	110.9	107.5	99.9	91.8	83.7	76.1	69.0	62.8	58.5	56.6	56.6
40°	123.2	118.5	108.5	99.4	89.5	80.9	72.8	66.1	61.9	60.4	60.0
42.5°	143.2	138.5	126.1	113.2	100.9	89.9	79.0	70.9	66.1	64.2	64.2
45°	173.7	167.5	150.8	136.1	118.5	103.7	88.0	77.6	71.8	69.5	69.0
47.5°	213.2	205.5	185.6	163.2	141.8	122.8	100.9	86.1	78.5	75.2	74.7
50°	266.0	258.4	231.2	200.3	174.1	145.1	116.6	97.1	86.1	81.4	80.4
52.5°	333.1	325.0	289.3	249.3	215.5	175.6	135.1	109.0	95.2	89.0	88.0
55°	402.5	393.5	349.7	299.8	263.6	209.8	156.5	125.6	107.1	98.0	96.1
57.5°	451.5	441.5	393.0	337.3	302.6	236.5	177.9	141.8	120.9	108.5	107.5
60°	487.2	476.8	424.9	369.2	329.3	256.5	197.0	155.1	133.7	121.8	121.3
62.5°	519.1	510.5	453.4	397.8	350.2	273.1	214.1	171.3	146.1	132.3	128.5
65°	553.4	539.6	478.7	423.0	373.5	292.1	224.6	186.0	157.0	141.8	138.5
67.5°	582.4	567.6	510.1	453.4	395.9	307.4	238.4	199.4	170.3	151.3	150.4
70°	618.5	601.9	532.9	476.8	416.8	326.9	252.2	207.4	177.9	159.4	153.7
72.5°	639.5	621.9	555.7	500.5	432.0	343.1	261.7	211.3	183.2	163.2	157.5
75°	663.3	644.2	567.6	518.1	447.3	355.4	270.3	217.0	187.0	164.6	159.4
77.5°	673.7	653.7	586.2	530.5	460.6	363.0	276.4	222.2	187.5	164.6	163.2
78°	673.7	652.8	582.9	532.4	459.6	363.5	277.4	224.1	187.9	163.2	161.8
80°	669.5	648.5	577.6	531.5	456.3	362.6	278.3	227.4	186.0	161.3	162.2
82.5°	670.4	652.3	575.7	528.6	454.9	362.1	276.0	224.1	182.7	157.5	158.9
85°	645.7	628.5	560.0	514.8	442.0	357.3	272.6	219.8	180.8	154.6	156.1
87.5°	638.5	620.9	547.6	505.8	430.6	347.8	267.4	216.5	176.5	151.3	153.2
90°	625.2	608.1	532.9	490.5	418.2	335.4	255.0	206.5	169.9	145.1	146.1
92.5°	590.9	575.2	503.9	463.9	395.9	320.2	242.7	196.0	160.3	138.0	138.0
95°	547.2	533.4	466.3	431.1	366.8	294.5	223.2	180.3	146.5	126.6	125.6
97.5°	486.7	473.9	415.4	382.5	327.4	261.2	195.1	156.5	126.6	107.1	107.1
100°	408.7	403.5	349.7	320.7	272.2	213.6	160.3	125.6	102.3	85.6	84.2
102.5°	305.5	294.5	250.7	227.0	192.2	148.4	109.9	87.1	73.3	61.9	59.5
105°	159.4	161.8	134.7	123.7	106.1	85.6	66.6	54.2	46.2	40.4	38.5
107.5°	95.2	92.8	81.4	74.2	64.7	52.8	42.3	35.2	30.5	27.1	26.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	68.0	67.1	58.5	52.8	46.2	37.6	30.0	25.2	21.9	19.5	19.0
112.5°	52.3	51.4	45.2	40.4	34.7	28.1	22.4	18.6	16.2	14.3	14.3
115°	42.3	41.4	36.6	31.9	27.1	21.9	17.6	14.3	12.4	10.9	10.9
117.5°	34.7	33.8	29.5	26.2	21.9	17.6	13.8	11.4	9.5	8.6	8.6
120°	29.5	28.5	25.2	21.9	18.1	14.7	11.4	9.0	8.1	7.1	7.1
122.5°	26.6	25.2	22.4	19.0	15.7	12.4	9.5	7.6	6.7	5.7	5.7
125°	24.3	23.3	20.5	17.1	13.3	10.9	8.1	6.2	5.2	4.8	4.3
127.5°	21.4	20.5	17.6	14.3	10.9	8.6	6.2	4.8	3.3	2.9	2.9
130°	17.1	15.7	13.3	10.5	7.6	5.7	4.3	2.9	1.9	1.9	1.4
132.5°	11.9	10.9	9.0	6.7	4.3	2.9	1.9	1.4	0.5	0.5	0.5
135°	3.8	3.3	1.9	1.9	0.5	0.5	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)