

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: P240524

Luminaire Tested: **UTLD-AF24-30-D-U-SL3-TL-7030**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P240524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-32)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/28/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-30-D-U-SL3-TL-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2877.9 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 31
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



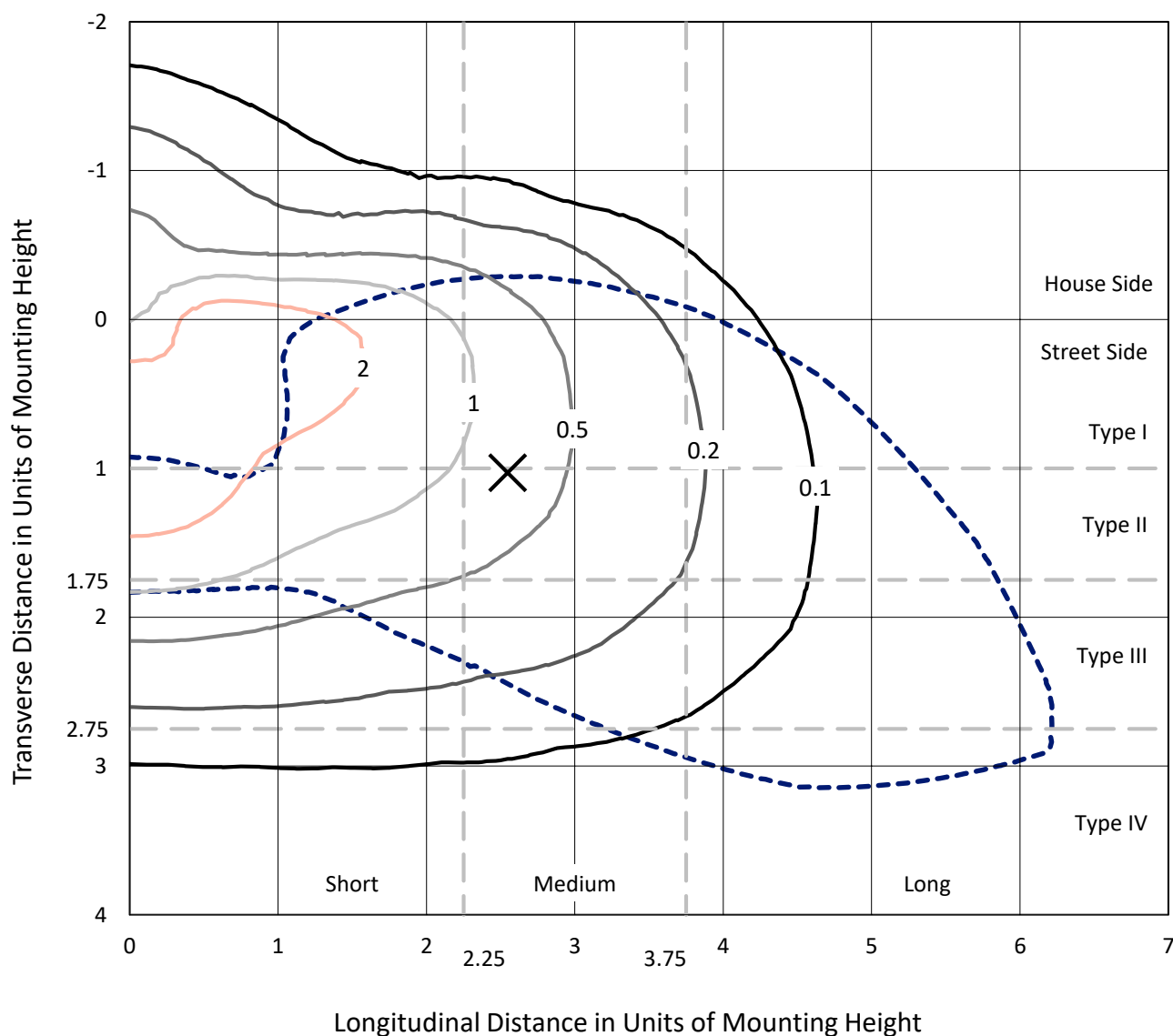
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

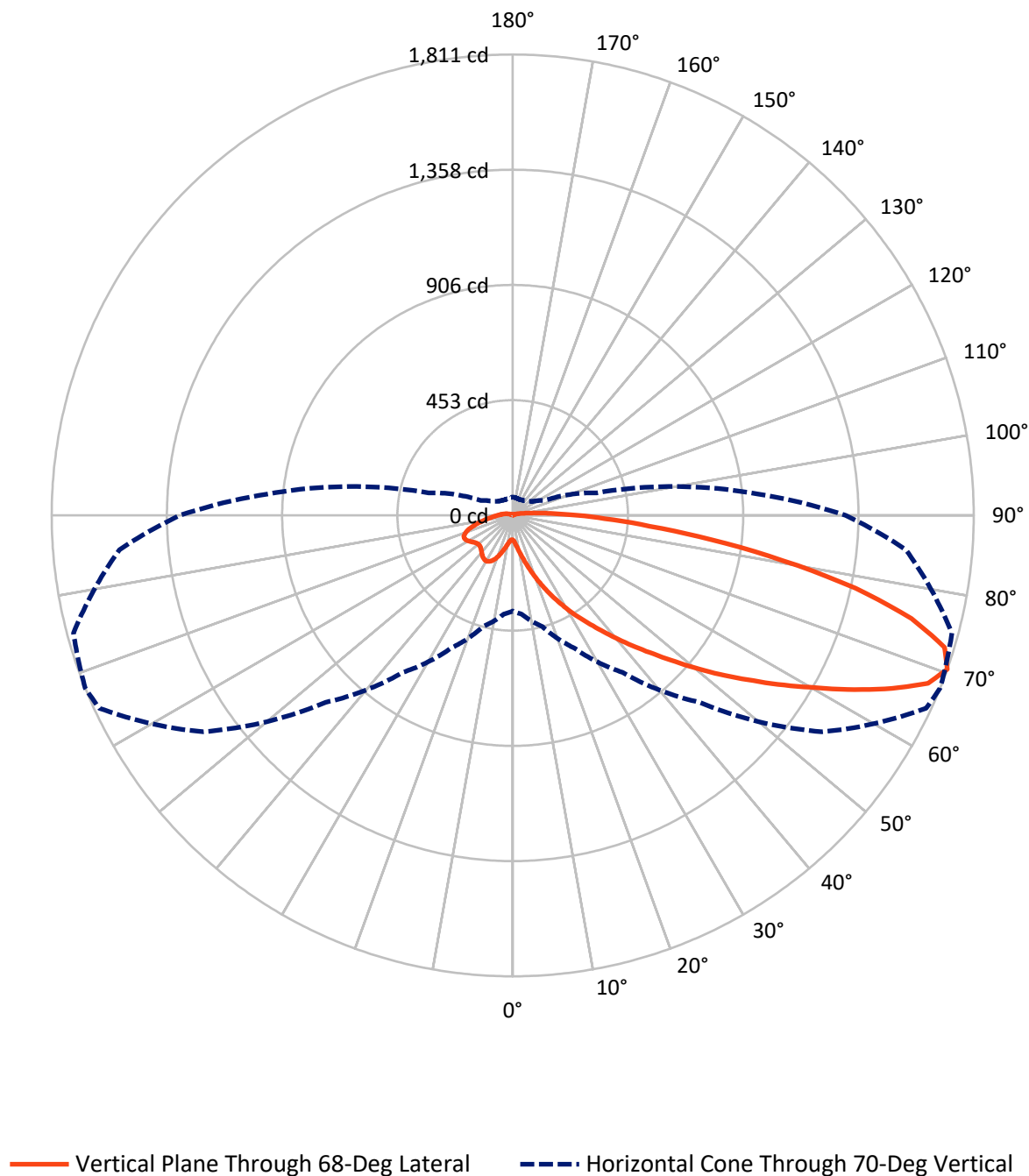


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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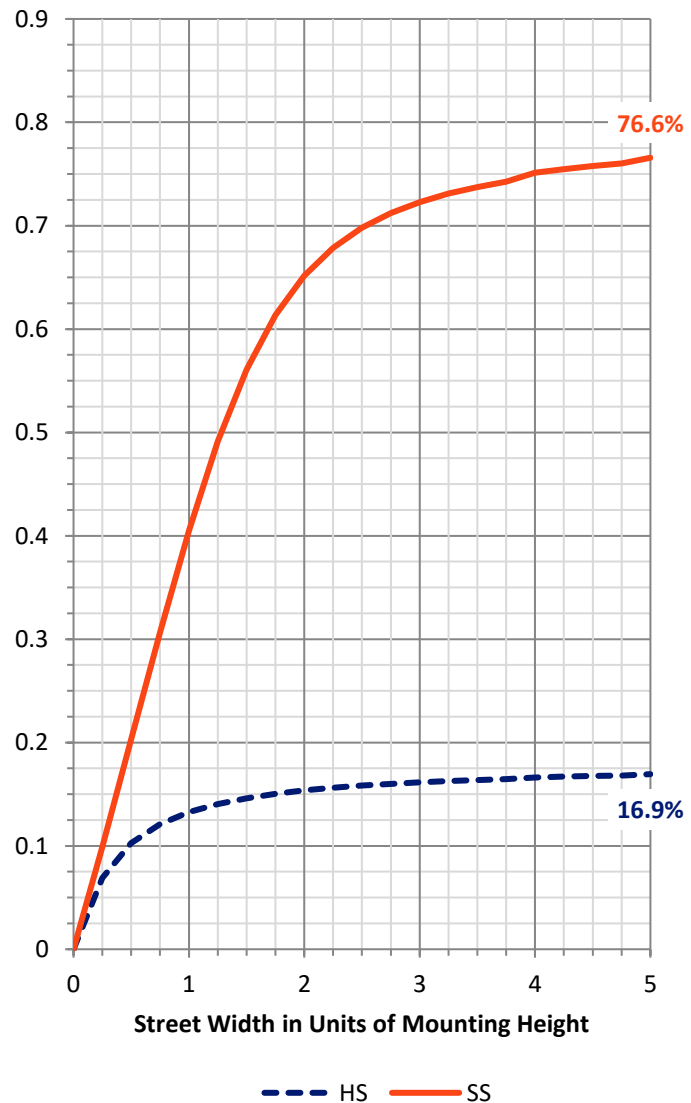
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.7	46.7	555.4
	% Fixture	17.7	1.6	19.3
Street Side	Lumens	2258.5	64.0	2322.5
	% Fixture	78.5	2.2	80.7
Total	Lumens	2767.2	110.7	2877.9
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.4
10°-20°	45.7	1.6
20°-30°	115.5	4.0
30°-40°	223.9	7.8
40°-50°	377.5	13.1
50°-60°	564.4	19.6
60°-70°	684.4	23.8
70°-80°	534.0	18.6
80°-90°	211.3	7.3
90°-100°	64.7	2.2
100°-110°	25.4	0.9
110°-120°	11.3	0.4
120°-130°	5.6	0.2
130°-140°	2.7	0.1
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2767.2	96.2
0°-180°	2877.9	100.0

Coefficient of Utilization



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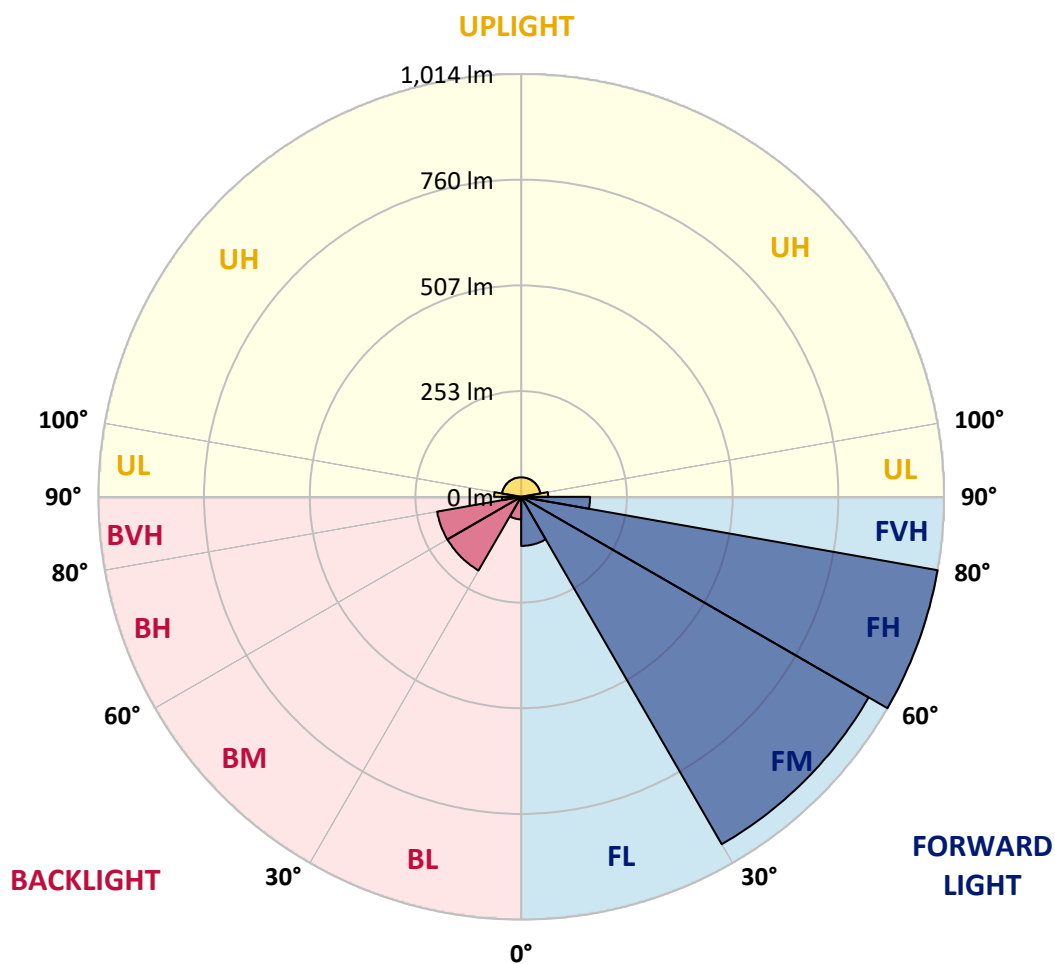
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.7	4.1			
FM	(30°-60°)	961.9	33.4			
FH	(60°-80°)	1013.8	35.2			G1/1800
FVH	(80°-90°)	165.1	5.7			G2/225
BL	(0°-30°)	54.1	1.9	B0/110		
BM	(30°-60°)	203.9	7.1	B0/220		
BH	(60°-80°)	204.6	7.1	B1/500		G1/500
BVH	(80°-90°)	46.1	1.6			G1/100
UL	(90°-100°)	64.7	2.2		U3/500	
UH	(100°-180°)	46.7	1.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2.5°	107.6	107.9	107.9	106.8	106.5	105.3	103.5	102.7	101.9	101.2	99.8
5°	122.0	122.0	121.2	120.0	118.5	117.4	115.5	113.3	112.9	110.3	107.6
7.5°	138.1	138.4	138.9	137.0	134.7	132.9	130.6	127.5	126.8	124.1	119.3
10°	159.5	159.9	159.2	157.3	154.3	152.0	149.3	146.4	145.2	143.0	136.2
12.5°	185.5	185.0	182.9	180.3	176.9	174.2	170.8	168.6	167.8	165.5	158.4
15°	212.9	214.4	211.9	205.9	201.7	197.5	196.0	196.0	196.7	194.2	187.4
17.5°	248.3	249.4	245.0	236.6	229.9	225.4	223.9	226.9	228.1	229.1	223.1
20°	289.3	289.7	282.6	270.9	258.8	253.3	253.6	260.7	263.5	267.4	260.4
22.5°	339.4	336.4	326.2	308.1	290.8	281.8	285.1	299.5	301.8	310.4	306.7
25°	391.7	391.2	374.3	350.2	325.0	313.5	319.0	336.7	343.2	356.3	351.4
27.5°	451.9	450.3	428.6	398.8	364.6	347.3	352.2	377.4	384.9	407.1	401.8
30°	515.8	516.2	490.7	449.3	406.8	382.6	385.6	420.6	430.5	456.0	454.5
32.5°	592.1	587.7	559.1	504.9	452.7	419.9	424.0	464.7	478.2	508.7	504.2
35°	669.0	663.3	625.3	565.9	500.4	461.6	463.6	511.7	526.0	565.5	556.9
37.5°	739.6	736.7	698.7	630.2	553.8	507.9	510.2	562.1	580.1	624.2	613.7
40°	815.7	815.7	777.0	702.4	613.3	558.0	561.4	618.2	640.0	688.3	670.6
42.5°	896.3	893.6	852.6	768.3	672.4	611.8	618.5	681.4	705.9	757.0	738.9
45°	975.6	970.0	927.5	839.7	731.5	672.4	682.6	750.6	776.2	841.3	816.0
47.5°	1044.1	1038.1	996.3	904.1	793.6	735.2	749.5	831.1	858.2	935.8	897.3
50°	1093.0	1091.2	1050.5	955.4	848.8	799.9	830.1	916.9	949.3	1027.6	991.4
52.5°	1121.6	1118.3	1085.9	1001.6	904.1	866.9	912.8	1010.2	1044.5	1128.7	1086.6
55°	1115.2	1113.0	1090.0	1026.1	947.4	931.2	1004.6	1114.1	1146.1	1237.2	1187.1
57.5°	1064.8	1067.8	1061.0	1027.6	979.4	997.9	1098.7	1223.6	1257.5	1346.3	1292.9
60°	974.9	973.7	992.9	998.6	992.2	1055.5	1212.3	1348.5	1374.5	1464.0	1395.9
62.5°	842.1	839.0	880.8	934.6	982.8	1103.9	1314.6	1481.7	1507.7	1579.9	1491.1
65°	679.1	692.7	745.0	833.7	936.2	1122.4	1414.0	1617.6	1639.0	1677.3	1566.0
67.5°	514.7	527.9	595.6	708.1	858.2	1100.9	1477.1	1739.4	1760.1	1770.3	1598.7
70°	375.9	388.6	452.7	576.1	752.5	1038.8	1482.1	1792.1	1811.0	1786.1	1550.6
72.5°	267.4	274.2	329.2	446.3	632.1	930.2	1420.4	1758.2	1773.8	1704.8	1423.4
75°	189.2	192.3	239.8	339.4	514.7	807.1	1273.6	1606.6	1618.6	1532.2	1210.4
77.5°	129.0	135.8	173.5	258.8	412.8	662.5	1079.5	1377.4	1377.4	1267.6	957.5
80°	91.4	97.0	124.5	193.4	323.2	530.9	872.2	1094.6	1077.2	952.6	690.1
82.5°	65.9	70.4	92.3	147.5	251.0	419.5	661.8	810.4	786.7	664.9	456.0
85°	47.7	52.3	70.0	108.3	192.3	325.5	495.9	562.9	539.5	440.7	296.1
87.5°	35.0	38.0	52.3	81.6	145.7	246.5	363.9	382.3	361.5	284.8	190.0
90°	24.8	27.5	39.9	61.7	109.2	185.0	255.4	251.0	228.4	179.0	125.6
92.5°	18.0	20.0	29.7	47.0	81.3	135.8	175.7	162.1	149.3	115.2	87.3
95°	13.5	15.1	23.4	36.5	59.9	95.6	118.5	106.5	96.7	78.6	64.4
97.5°	10.9	12.0	19.2	29.4	46.3	69.6	82.1	70.4	65.9	56.9	49.7
100°	9.4	10.2	16.2	24.5	36.5	52.3	57.9	49.2	46.7	42.9	38.8
102.5°	8.6	9.1	14.3	21.1	29.7	39.2	41.7	36.8	35.0	32.8	30.5
105°	7.8	8.3	12.8	18.5	25.2	30.5	32.0	28.2	27.1	24.8	23.4
107.5°	7.5	7.5	11.3	16.2	21.5	25.2	25.2	22.2	21.1	18.8	18.0
110°	7.1	7.1	10.2	14.6	18.5	21.5	20.6	17.7	16.6	14.3	13.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
112.5°	6.8	6.8	9.4	12.8	16.2	18.0	17.3	14.3	13.2	10.9	10.9
115°	6.4	6.4	8.3	11.3	14.3	15.4	14.6	11.7	10.9	8.6	9.1
117.5°	6.4	6.4	7.8	10.2	12.4	13.5	12.4	9.4	8.6	7.1	7.8
120°	6.0	6.0	7.1	9.1	10.9	11.7	10.5	7.8	7.1	6.0	6.8
122.5°	6.0	6.0	6.8	7.8	9.9	10.2	9.1	6.8	6.0	5.3	6.0
125°	5.7	5.7	6.4	7.1	8.3	8.6	7.5	5.7	5.3	4.9	5.3
127.5°	5.7	5.7	6.0	6.4	7.5	7.5	6.4	4.5	4.5	4.2	4.9
130°	5.3	5.7	5.7	6.0	6.4	6.4	5.3	3.8	3.8	3.8	4.5
132.5°	5.3	5.3	5.3	5.3	5.7	5.3	4.2	3.4	3.4	3.4	4.2
135°	4.9	4.9	4.9	4.9	4.5	4.2	3.4	2.6	2.6	3.1	3.8
137.5°	4.9	4.9	4.5	4.2	4.2	3.4	2.6	2.3	2.3	3.1	3.4
140°	4.5	4.5	4.2	3.8	3.1	2.6	1.8	1.8	1.8	2.3	2.6
142.5°	3.8	3.8	3.8	3.1	2.3	1.5	1.1	1.1	1.5	1.8	2.3
145°	3.4	3.4	3.1	2.6	1.5	0.8	0.3	0.8	1.1	1.5	1.8
147.5°	2.6	2.6	2.3	1.8	0.8	0.3	0.0	0.3	0.8	0.8	1.1
150°	1.8	1.8	1.8	1.1	0.3	0.0	0.0	0.3	0.3	0.3	0.8
152.5°	1.5	1.5	1.1	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3
155°	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2.5°	98.6	98.3	96.3	94.8	93.0	91.4	89.9	88.8	88.4	87.6	88.1
5°	105.3	103.8	100.1	96.7	93.0	89.6	86.6	84.2	82.4	81.6	81.3
7.5°	117.0	114.7	107.9	101.9	95.9	89.9	85.0	81.3	79.0	77.5	77.5
10°	134.0	129.0	120.4	110.3	100.1	91.4	84.6	79.4	76.1	74.9	74.9
12.5°	154.6	149.3	135.8	120.4	106.1	94.1	85.0	79.4	76.1	74.6	74.1
15°	182.1	174.2	154.3	132.4	111.8	96.3	85.4	79.8	77.5	76.8	76.8
17.5°	214.4	204.7	175.7	145.7	118.1	97.5	86.6	82.1	80.9	80.9	80.9
20°	252.8	238.5	199.8	157.3	122.7	98.6	87.3	83.9	83.9	84.6	85.0
22.5°	293.9	275.8	223.1	168.2	124.1	99.3	86.9	84.6	86.6	88.4	88.8
25°	337.5	312.3	244.2	175.0	124.9	97.5	85.8	85.0	88.8	91.4	92.3
27.5°	383.8	349.5	262.2	177.5	122.7	94.1	83.9	84.2	89.9	93.6	94.4
30°	426.3	384.5	276.5	176.9	117.8	89.9	81.6	83.1	89.9	95.2	96.3
32.5°	470.4	419.1	285.1	173.5	111.8	85.4	79.0	82.1	89.6	95.6	96.7
35°	514.4	449.6	289.3	166.7	105.0	81.3	76.4	80.2	88.4	95.2	95.9
37.5°	558.4	479.7	290.5	158.0	99.0	77.9	74.6	79.0	86.6	94.4	95.6
40°	605.8	509.4	288.2	149.3	93.3	75.6	72.9	77.5	85.0	93.3	94.8
42.5°	658.9	541.1	285.6	140.7	89.6	74.1	71.9	76.1	82.8	92.3	94.1
45°	718.0	575.7	284.1	134.0	87.3	73.4	71.4	74.9	81.6	91.4	93.3
47.5°	781.5	619.3	285.6	129.5	86.2	73.8	71.4	74.1	80.2	89.9	92.3
50°	859.0	669.3	291.1	126.0	85.8	74.1	71.9	73.4	78.6	87.6	89.9
52.5°	939.2	720.6	300.3	125.3	86.2	74.9	72.2	72.9	76.4	84.6	86.6
55°	1022.3	788.3	315.6	126.4	86.9	76.1	72.6	72.2	74.6	80.9	83.1
57.5°	1116.3	858.7	334.9	129.0	88.1	76.8	72.9	71.4	72.2	77.5	79.4
60°	1209.7	930.2	354.4	132.4	90.2	77.9	73.4	71.1	71.1	75.3	76.8
62.5°	1294.2	992.9	370.6	137.0	92.3	78.6	73.4	70.4	70.0	73.4	74.9
65°	1352.3	1026.1	374.3	139.7	94.1	79.0	72.6	69.6	69.3	71.9	73.4
67.5°	1367.7	1020.8	366.9	140.7	95.2	79.0	72.6	68.9	69.3	71.4	72.6
70°	1307.5	966.2	342.0	138.4	94.8	78.6	71.9	68.1	68.9	71.1	71.9
72.5°	1163.7	853.4	303.6	132.9	93.0	77.1	70.4	66.9	68.1	70.7	71.4
75°	976.8	707.0	258.1	123.8	89.6	75.3	68.9	65.4	67.3	70.0	70.4
77.5°	751.3	541.8	211.1	112.1	85.0	72.6	66.6	63.3	65.9	68.9	68.5
80°	533.5	395.1	166.7	100.1	79.0	68.9	63.6	60.5	63.6	66.6	65.9
82.5°	367.6	267.9	133.2	88.4	72.6	64.7	60.2	57.6	60.9	63.6	62.5
85°	240.8	181.0	105.0	77.5	66.6	60.5	56.5	53.7	57.2	59.4	57.9
87.5°	155.3	126.0	83.9	67.3	60.2	56.0	52.3	50.0	53.4	55.2	53.7
90°	107.9	91.8	69.3	58.4	54.2	51.2	48.2	45.9	48.9	50.4	49.7
92.5°	77.1	70.4	57.6	51.2	48.9	46.3	43.6	41.7	44.8	45.9	45.2
95°	60.2	56.0	48.9	45.2	44.0	42.2	39.6	37.5	39.9	40.7	40.2
97.5°	48.2	46.3	42.2	39.9	39.2	37.5	35.7	33.9	35.4	35.7	35.4
100°	38.8	38.0	36.2	35.0	34.6	33.5	31.5	30.0	30.8	30.5	30.5
102.5°	30.8	30.8	30.5	30.0	30.0	29.0	27.5	26.0	26.0	25.2	25.2
105°	24.5	25.2	25.2	25.5	26.0	25.2	23.7	21.9	21.5	20.3	20.3
107.5°	19.2	20.0	21.1	21.5	21.9	21.1	20.0	18.0	16.9	15.9	16.2
110°	15.1	15.9	17.3	18.0	18.5	18.0	16.6	15.1	13.2	12.4	12.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	12.8	14.3	15.1	15.4	15.1	13.5	12.0	10.2	9.9	9.9
115°	9.9	10.5	12.0	12.8	12.8	12.4	11.3	9.4	7.8	7.5	7.8
117.5°	8.3	9.1	10.2	10.9	10.9	10.5	9.4	7.5	6.4	6.4	6.4
120°	7.1	7.8	8.6	9.4	9.4	9.1	7.8	6.0	5.3	5.3	5.3
122.5°	6.4	6.8	7.5	7.8	7.8	7.5	6.4	4.9	4.2	4.5	4.5
125°	5.7	6.0	6.8	7.1	6.8	6.4	5.3	3.8	3.4	3.8	3.8
127.5°	5.3	5.7	6.0	6.0	6.0	5.3	4.5	3.1	3.1	3.4	3.4
130°	4.9	4.9	5.3	5.3	4.9	4.5	3.4	2.3	2.3	3.1	3.1
132.5°	4.5	4.5	4.9	4.5	4.5	3.8	2.6	1.8	2.3	2.6	2.6
135°	3.8	3.8	4.2	4.2	3.4	3.1	1.8	1.5	1.5	1.8	2.3
137.5°	3.4	3.8	3.8	3.4	3.1	2.3	1.5	1.1	1.5	1.5	1.8
140°	3.1	3.1	3.1	2.6	2.3	1.5	0.8	0.8	1.1	1.1	1.1
142.5°	2.3	2.6	2.6	2.3	1.5	0.8	0.3	0.3	0.8	0.8	0.8
145°	1.8	1.8	1.8	1.5	1.1	0.8	0.3	0.3	0.3	0.3	0.3
147.5°	1.1	1.5	1.5	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	1.1	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.8	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.3	0.3	0.3	0.3	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)