

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: P241064

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

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P241064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-48)
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-CL-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2971.8 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

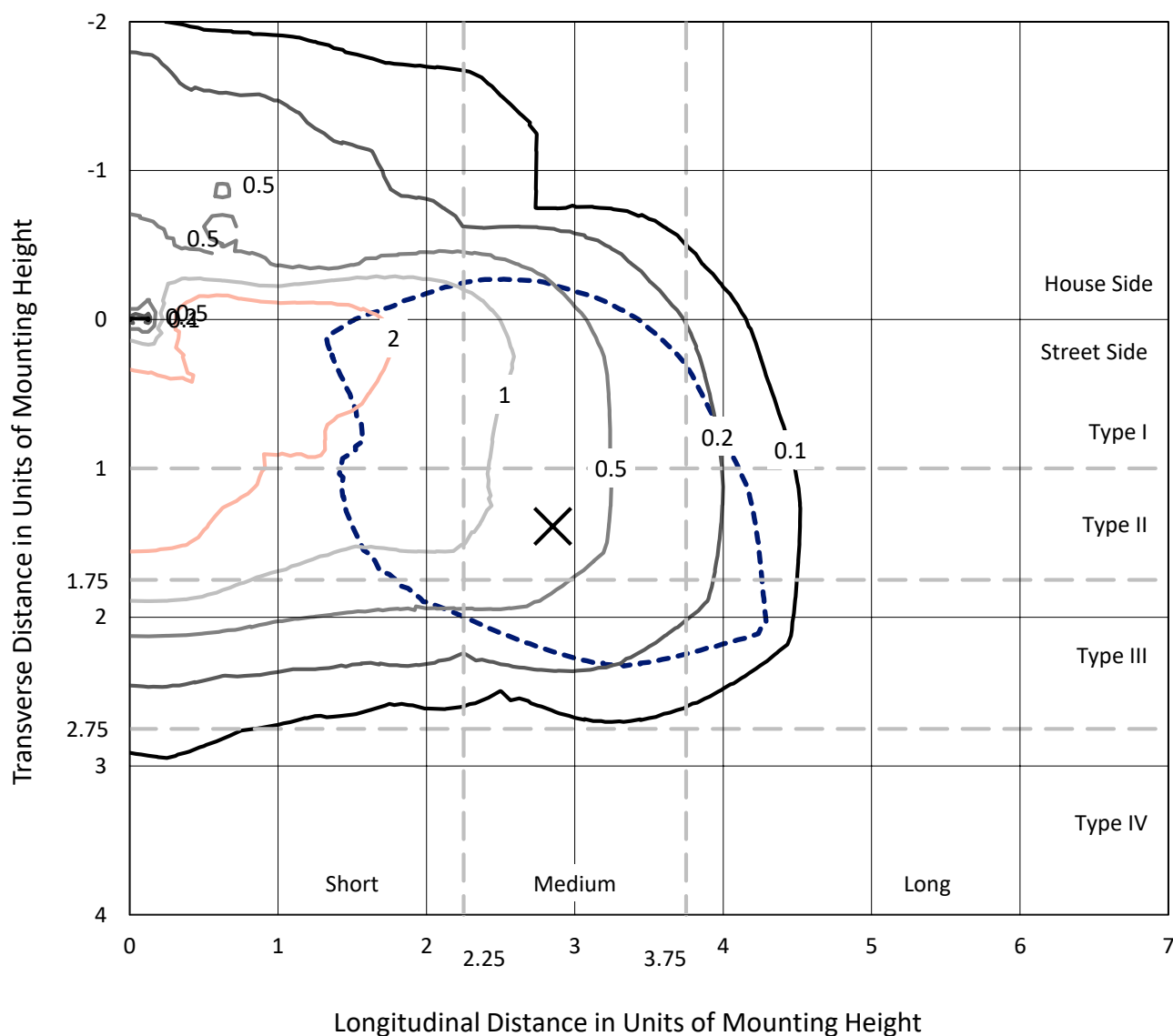


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

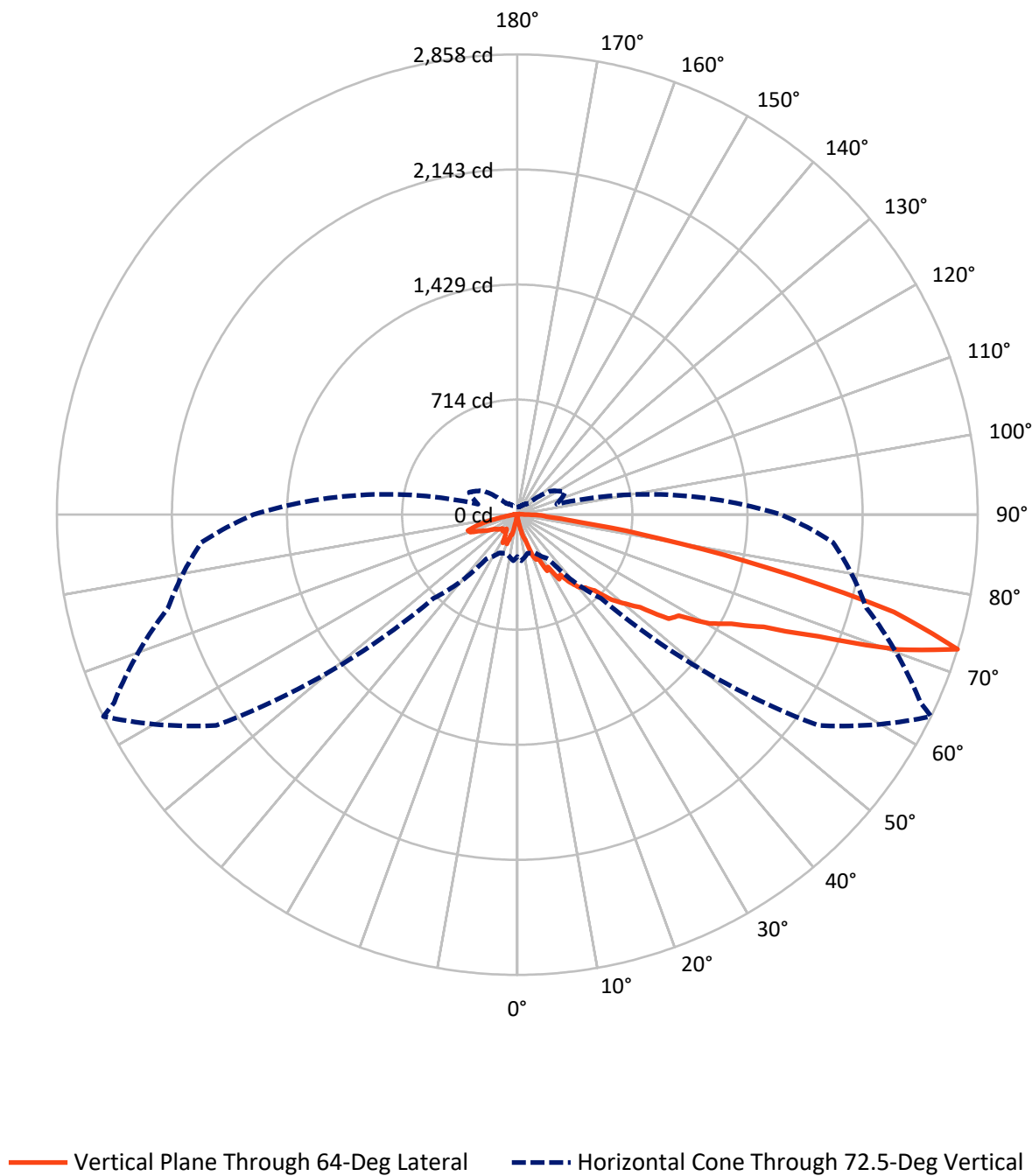


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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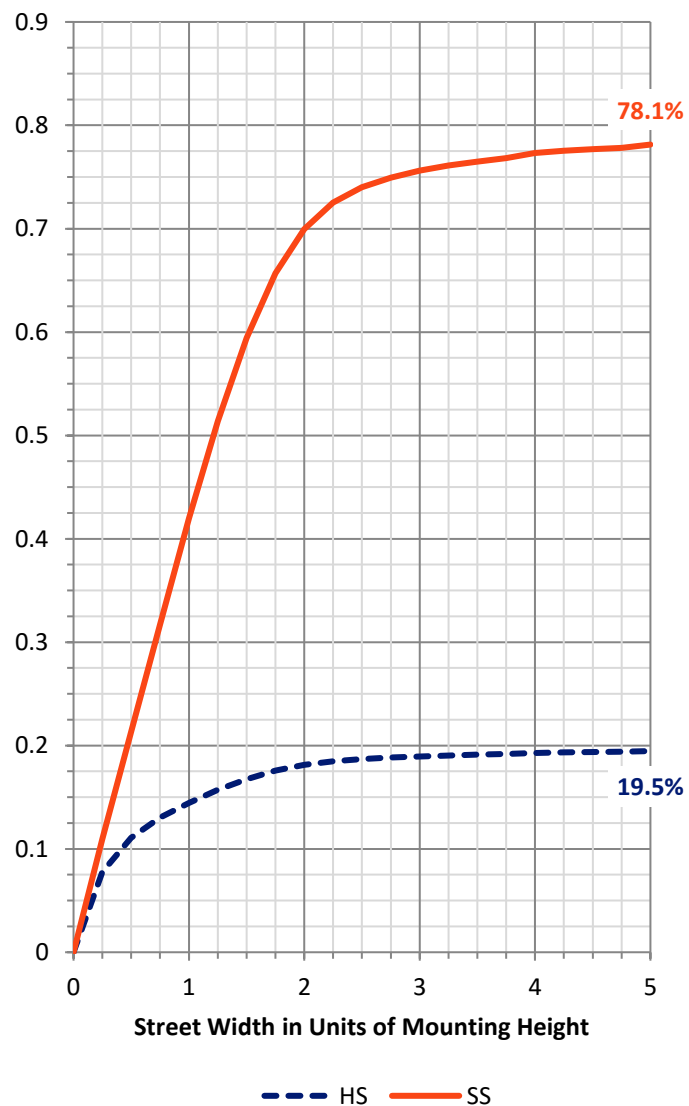
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	588.3	18.3	606.6
	% Fixture	19.8	0.6	20.4
Street Side	Lumens	2346.3	18.9	2365.2
	% Fixture	79.0	0.6	79.6
Total	Lumens	2934.6	37.3	2971.8
	% Fixture	98.7	1.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	39.7	1.3
20°-30°	116.8	3.9
30°-40°	231.6	7.8
40°-50°	399.6	13.4
50°-60°	646.0	21.7
60°-70°	818.7	27.5
70°-80°	586.6	19.7
80°-90°	92.0	3.1
90°-100°	18.5	0.6
100°-110°	8.2	0.3
110°-120°	4.2	0.1
120°-130°	3.1	0.1
130°-140°	1.9	0.1
140°-150°	1.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2934.6	98.7
0°-180°	2971.8	100.0

Coefficient of Utilization



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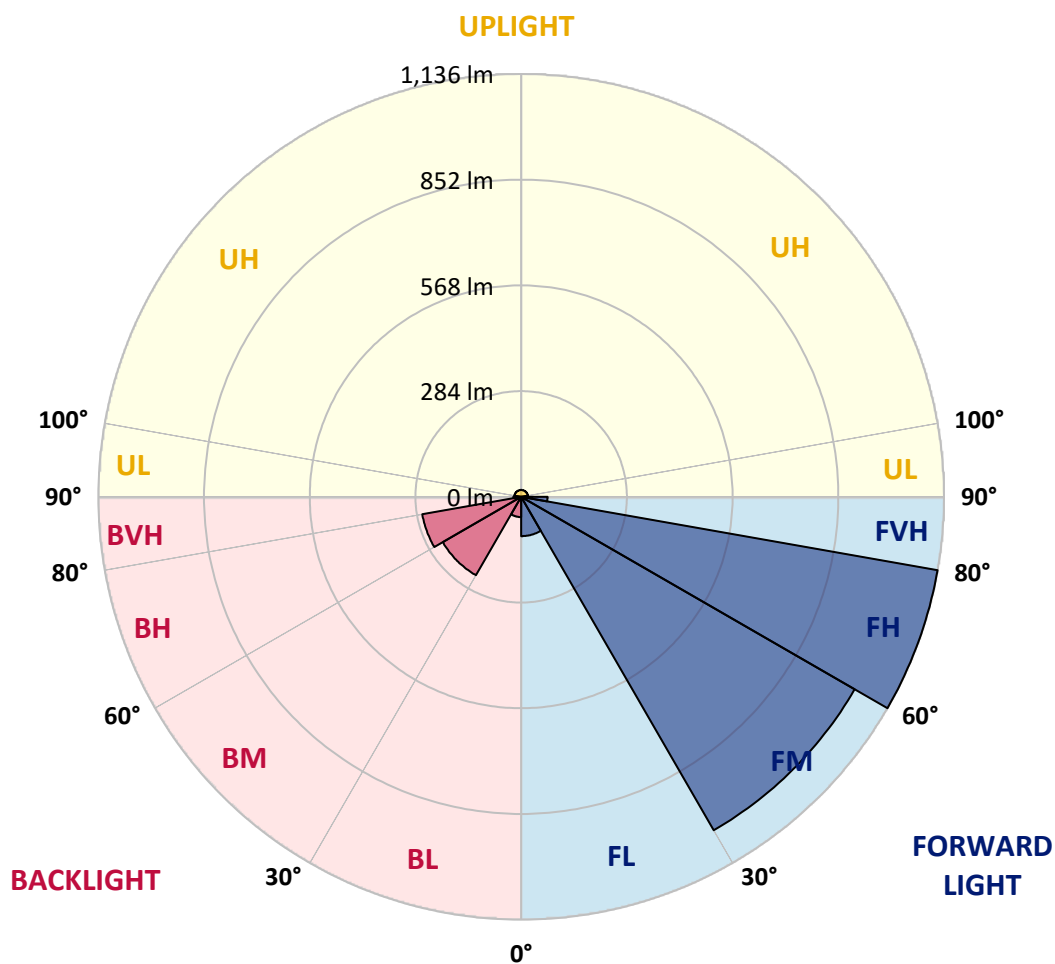
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.7	3.6			
FM	(30°-60°)	1034.1	34.8			
FH	(60°-80°)	1135.7	38.2			G1/1800
FVH	(80°-90°)	70.8	2.4			G1/100
BL	(0°-30°)	54.4	1.8	B0/110		
BM	(30°-60°)	243.0	8.2	B1/1000		
BH	(60°-80°)	269.6	9.1	B1/500		G1/500
BVH	(80°-90°)	21.2	0.7			G1/100
UL	(90°-100°)	18.5	0.6		U2/50	
UH	(100°-180°)	18.3	0.6		U2/50	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2.5°	20.6	18.5	19.2	16.9	14.3	11.7	9.9	8.6	8.6	8.3	7.5
5°	71.9	73.4	82.4	69.3	62.9	82.1	23.0	13.2	12.4	8.6	7.1
7.5°	95.9	100.5	71.9	59.9	56.0	90.3	67.3	36.9	30.5	11.3	7.8
10°	181.7	169.4	114.4	124.9	116.3	74.1	49.2	50.4	46.3	18.5	12.8
12.5°	162.6	164.4	168.2	152.8	157.4	116.7	59.9	98.3	105.0	118.1	111.0
15°	189.7	181.7	152.8	166.3	158.4	184.4	155.0	144.4	158.8	163.4	135.8
17.5°	257.5	251.8	292.4	199.4	144.9	207.4	184.4	169.0	160.7	179.0	216.4
20°	236.6	237.1	254.0	225.4	234.1	190.7	185.5	272.8	327.3	310.4	301.8
22.5°	356.3	345.5	287.2	223.9	247.3	218.6	260.8	304.4	289.0	281.9	304.4
25°	346.2	350.2	333.0	336.4	247.6	292.4	271.7	290.5	308.8	443.3	499.8
27.5°	425.6	402.3	382.3	348.4	340.9	275.2	262.7	394.8	405.3	444.3	468.5
30°	560.0	548.3	511.8	397.7	355.9	295.8	359.4	377.8	384.6	523.1	647.3
32.5°	710.8	667.9	562.5	520.4	387.3	365.0	338.2	477.9	470.0	579.8	654.0
35°	821.8	796.2	696.8	566.0	465.5	390.2	455.3	459.4	499.8	606.9	660.0
37.5°	798.4	805.6	764.6	675.4	512.1	421.8	492.5	535.1	538.8	657.4	699.5
40°	859.0	863.5	849.3	749.5	590.8	485.4	553.5	593.4	561.8	719.5	747.7
42.5°	894.4	901.6	929.0	857.1	666.4	555.0	649.1	620.8	593.1	772.9	850.4
45°	971.6	967.8	979.8	894.4	778.5	698.3	681.4	672.8	683.3	868.8	949.4
47.5°	1079.2	1094.2	1034.8	912.6	862.8	733.7	772.1	788.7	828.6	993.0	1049.9
50°	1238.4	1219.2	1148.0	992.6	945.9	780.4	945.9	869.9	849.3	1106.2	1200.0
52.5°	1303.0	1290.7	1189.9	1026.5	997.9	868.8	975.3	956.1	949.0	1262.8	1367.1
55°	1328.7	1319.7	1277.9	1032.5	1044.9	1001.0	1118.7	1140.8	1128.8	1362.1	1535.6
57.5°	1261.0	1275.9	1279.0	1057.0	1077.0	1016.3	1344.1	1183.4	1269.6	1486.7	1666.5
60°	1169.1	1169.8	1209.7	1054.0	1106.7	1114.9	1392.9	1371.2	1451.7	1552.6	1702.7
62.5°	942.3	968.9	1034.8	1032.9	1148.0	1242.9	1633.4	1492.7	1524.2	1619.5	1815.9
65°	625.0	639.2	719.0	856.4	1074.2	1344.9	1830.9	1681.6	1726.4	1747.0	1980.8
67.5°	372.9	390.6	401.8	547.1	897.0	1365.2	2240.8	2016.8	1976.3	1940.1	2146.0
70°	311.6	323.2	290.5	327.3	548.3	1239.4	2438.3	2507.5	2375.6	2201.2	2181.0
72.5°	261.1	286.7	247.6	261.9	333.8	735.7	2282.5	2857.9	2761.8	2244.8	1967.5
75°	193.8	229.6	206.2	235.1	308.2	377.8	1722.3	2414.9	2384.9	1945.8	1460.4
77.5°	151.3	157.7	129.0	177.6	296.1	312.3	1033.3	1592.0	1566.1	1240.6	677.3
80°	106.1	108.7	101.9	92.6	228.8	292.7	523.5	882.7	827.8	385.3	225.0
82.5°	66.9	71.4	79.8	62.9	111.0	273.1	288.6	388.8	346.2	130.9	111.8
85°	40.3	44.0	49.2	44.0	51.9	208.8	223.6	199.8	182.5	79.8	70.7
87.5°	23.4	24.5	29.7	30.5	38.8	121.5	178.3	148.6	130.6	53.1	45.9
90°	16.2	15.1	15.1	15.9	20.0	53.1	87.3	51.9	52.3	27.9	24.0
92.5°	12.4	12.4	13.5	13.5	19.2	46.7	40.3	27.9	26.3	23.4	19.2
95°	9.4	10.2	10.2	10.9	13.2	14.3	20.0	20.6	20.6	21.1	16.9
97.5°	7.8	8.6	8.6	9.1	10.5	10.9	13.8	18.0	18.0	17.7	13.8
100°	7.5	7.8	7.5	7.5	8.6	8.3	11.3	15.4	16.2	15.4	12.0
102.5°	7.1	7.5	6.8	6.0	7.5	6.0	9.4	13.8	14.3	11.3	9.4
105°	7.1	7.1	6.0	4.9	6.0	4.9	7.8	9.9	9.9	7.8	9.1
107.5°	7.1	6.8	5.3	4.2	4.5	4.2	6.4	6.4	6.4	6.0	8.6
110°	6.4	6.0	4.9	3.8	3.4	3.4	4.5	4.5	4.5	5.3	8.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	5.7	5.3	4.2	3.1	2.6	2.6	3.1	3.4	3.4	4.9	8.3
115°	4.9	4.9	3.8	3.1	2.3	2.3	2.6	3.1	3.1	4.5	7.8
117.5°	4.9	4.9	3.4	2.6	1.8	1.8	2.3	2.6	2.6	4.5	8.3
120°	4.9	4.9	3.4	2.3	1.8	1.5	1.8	2.3	2.3	4.9	8.6
122.5°	4.5	4.5	3.4	2.3	1.5	1.5	1.5	2.3	2.3	4.5	7.8
125°	4.5	4.5	3.1	2.3	1.5	1.5	1.5	1.8	2.3	4.9	7.8
127.5°	4.2	4.2	3.4	2.3	1.5	1.1	1.5	1.8	1.8	4.5	7.5
130°	4.2	4.2	3.1	1.8	1.1	1.1	1.1	1.5	1.8	4.2	6.8
132.5°	3.8	3.8	2.6	1.8	1.1	0.8	1.1	1.5	1.5	3.8	6.0
135°	3.8	3.8	3.1	1.8	1.1	0.8	1.1	1.5	1.5	3.4	5.3
137.5°	3.4	3.4	2.6	1.8	1.1	0.8	0.8	1.1	1.5	3.4	4.9
140°	3.4	3.4	3.1	2.3	1.1	0.8	0.8	1.1	1.1	2.6	3.8
142.5°	3.8	3.8	3.1	1.8	1.1	0.8	0.8	0.8	1.1	1.8	3.1
145°	3.4	3.4	2.6	1.8	1.1	0.3	0.3	0.8	1.1	1.8	2.6
147.5°	3.4	3.4	3.1	1.8	0.8	0.3	0.3	0.8	0.8	1.5	2.3
150°	3.1	3.1	2.3	1.1	0.3	0.0	0.3	0.8	0.8	1.1	1.8
152.5°	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.3	0.3	0.8	1.1
155°	1.1	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8
157.5°	0.3	0.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2.5°	7.5	7.5	7.5	7.5	7.1	7.1	6.8	6.8	6.8	6.8	6.8
5°	7.1	7.1	7.1	6.8	6.4	6.0	6.4	6.0	6.0	6.0	6.0
7.5°	7.5	7.5	6.8	6.4	6.4	6.4	8.3	50.0	110.7	94.8	98.6
10°	13.8	13.2	11.3	9.4	8.6	49.7	94.8	87.0	66.2	55.2	56.9
12.5°	138.1	124.1	80.2	55.7	63.9	65.9	59.4	65.1	106.1	97.1	97.5
15°	138.1	141.5	116.0	130.6	112.9	52.7	101.6	121.2	117.8	108.3	113.6
17.5°	233.3	231.7	144.4	132.9	109.2	110.3	95.6	83.1	77.1	76.1	77.1
20°	345.8	288.2	275.5	200.6	122.7	112.5	79.0	66.9	85.4	105.3	107.9
22.5°	304.4	304.4	247.3	179.0	151.7	96.3	86.2	85.4	102.3	101.2	106.1
25°	513.9	446.7	320.2	172.7	132.4	97.8	87.3	79.4	89.1	102.7	101.6
27.5°	474.0	439.9	316.5	207.7	103.9	106.5	80.6	78.2	100.5	107.9	108.7
30°	598.3	551.2	319.8	156.1	104.6	82.1	74.6	79.8	83.9	91.0	91.8
32.5°	619.7	561.0	307.0	140.7	110.3	79.0	75.6	75.3	85.4	98.3	99.3
35°	606.6	538.4	289.3	118.5	110.7	79.8	77.5	85.8	78.2	91.4	93.3
37.5°	696.8	549.8	261.1	110.7	101.6	82.1	101.6	82.1	81.6	85.8	86.6
40°	695.8	574.9	229.1	135.1	101.6	135.1	106.1	85.4	73.4	80.6	80.9
42.5°	751.8	589.2	200.9	139.2	109.5	156.6	99.0	83.1	87.3	91.8	96.3
45°	816.5	634.4	188.2	125.3	123.5	121.2	103.1	108.3	79.0	126.8	132.1
47.5°	905.0	692.3	170.9	122.7	167.5	122.0	196.4	100.8	87.0	150.1	153.2
50°	1037.0	794.4	172.3	134.7	153.5	130.6	132.1	109.5	117.5	156.1	156.9
52.5°	1177.9	879.7	162.1	148.6	150.9	160.3	140.7	163.7	115.5	150.1	150.1
55°	1302.3	1005.8	167.0	156.6	157.7	139.7	198.3	120.8	115.2	150.9	154.6
57.5°	1464.8	1140.5	200.6	163.7	161.8	149.0	153.2	149.8	135.5	153.5	155.8
60°	1551.1	1238.7	251.4	184.0	169.4	172.0	181.4	144.1	123.0	179.5	186.7
62.5°	1687.6	1380.2	318.4	208.4	214.8	176.1	154.6	156.9	130.9	143.0	144.4
65°	1845.3	1527.3	351.5	232.5	231.4	195.7	175.4	122.0	85.0	78.6	78.2
67.5°	1963.8	1584.1	321.8	260.0	288.6	187.8	120.4	86.6	65.4	61.7	62.9
70°	1887.5	1454.4	275.5	311.9	291.9	145.7	103.9	68.9	56.0	52.7	54.5
72.5°	1637.6	1175.1	252.8	329.2	256.2	98.3	77.5	60.5	50.4	47.0	47.7
75°	1157.5	755.2	259.6	278.8	182.1	71.1	66.9	50.4	44.8	40.3	40.3
77.5°	508.4	323.6	203.5	200.9	116.7	56.5	56.9	41.7	38.8	34.6	34.6
80°	204.7	171.2	119.6	116.3	77.9	44.4	45.2	34.6	35.0	29.4	27.5
82.5°	108.3	97.8	66.6	62.5	55.7	34.2	32.0	29.7	29.4	24.0	21.1
85°	71.1	64.4	43.6	40.7	41.4	25.2	26.8	28.2	26.0	20.0	13.8
87.5°	44.0	43.6	30.8	29.4	30.8	18.0	21.9	23.0	21.9	15.1	9.1
90°	20.6	22.6	20.6	20.3	20.3	8.6	16.9	18.0	17.7	12.0	7.1
92.5°	16.2	18.5	19.2	19.5	19.5	9.1	17.7	18.8	18.0	12.4	7.8
95°	13.8	16.2	18.8	18.8	18.5	7.1	16.6	18.5	17.3	11.7	7.5
97.5°	11.7	13.5	16.2	16.2	17.7	6.0	15.4	17.7	17.3	12.4	7.8
100°	10.9	12.8	14.3	14.6	16.2	5.7	13.8	15.9	15.4	10.2	8.3
102.5°	10.2	10.9	11.3	11.7	12.0	5.3	10.9	12.0	11.7	7.5	7.5
105°	9.4	9.4	8.3	7.8	7.8	4.9	6.8	8.3	6.8	6.0	6.8
107.5°	9.4	9.1	6.8	6.0	6.0	4.5	5.3	5.3	4.5	6.0	6.4
110°	9.4	8.6	6.0	5.3	4.9	4.2	4.2	3.8	3.8	6.0	6.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	8.3	5.3	4.5	4.5	3.8	3.4	3.1	3.4	6.0	6.8
115°	8.6	7.8	4.9	4.5	4.2	3.4	3.1	2.3	3.4	6.4	7.1
117.5°	8.6	7.8	4.9	4.2	3.8	3.1	2.6	2.3	3.4	6.4	7.1
120°	9.1	7.8	4.9	3.8	3.4	2.6	2.3	2.3	3.4	6.4	7.1
122.5°	8.6	7.5	4.5	3.4	3.1	2.6	2.3	2.3	3.4	6.4	6.8
125°	8.3	7.5	4.5	3.1	2.6	2.3	1.8	1.8	3.8	6.4	6.8
127.5°	7.8	7.1	4.2	2.6	2.3	2.3	1.8	1.8	3.8	6.0	6.4
130°	7.1	6.4	4.2	2.6	1.8	1.8	1.5	1.5	3.8	6.0	6.4
132.5°	6.4	6.0	3.8	2.3	1.5	1.5	1.5	1.5	3.4	5.3	5.7
135°	5.7	4.9	3.4	1.8	1.5	1.1	1.1	1.1	3.1	4.5	4.9
137.5°	4.9	4.5	3.1	1.8	1.1	1.1	0.8	0.8	2.6	4.2	4.5
140°	4.2	3.8	2.6	1.5	1.1	1.1	0.8	0.8	1.8	3.1	3.4
142.5°	3.1	3.1	2.3	1.5	1.1	0.8	0.8	0.8	1.8	2.6	3.1
145°	2.6	2.6	2.3	1.5	1.1	0.8	0.3	0.3	1.1	1.8	1.8
147.5°	2.3	2.3	1.8	1.5	0.8	0.3	0.3	0.3	0.8	1.1	1.1
150°	1.8	1.8	1.5	1.1	0.8	0.3	0.0	0.0	0.3	0.8	0.8
152.5°	1.1	1.1	1.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	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	0.0	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)