

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: P179354

Luminaire Tested: **UTLD-F01-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179354
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F01-LED-E-U-T3-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1075.1 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9
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



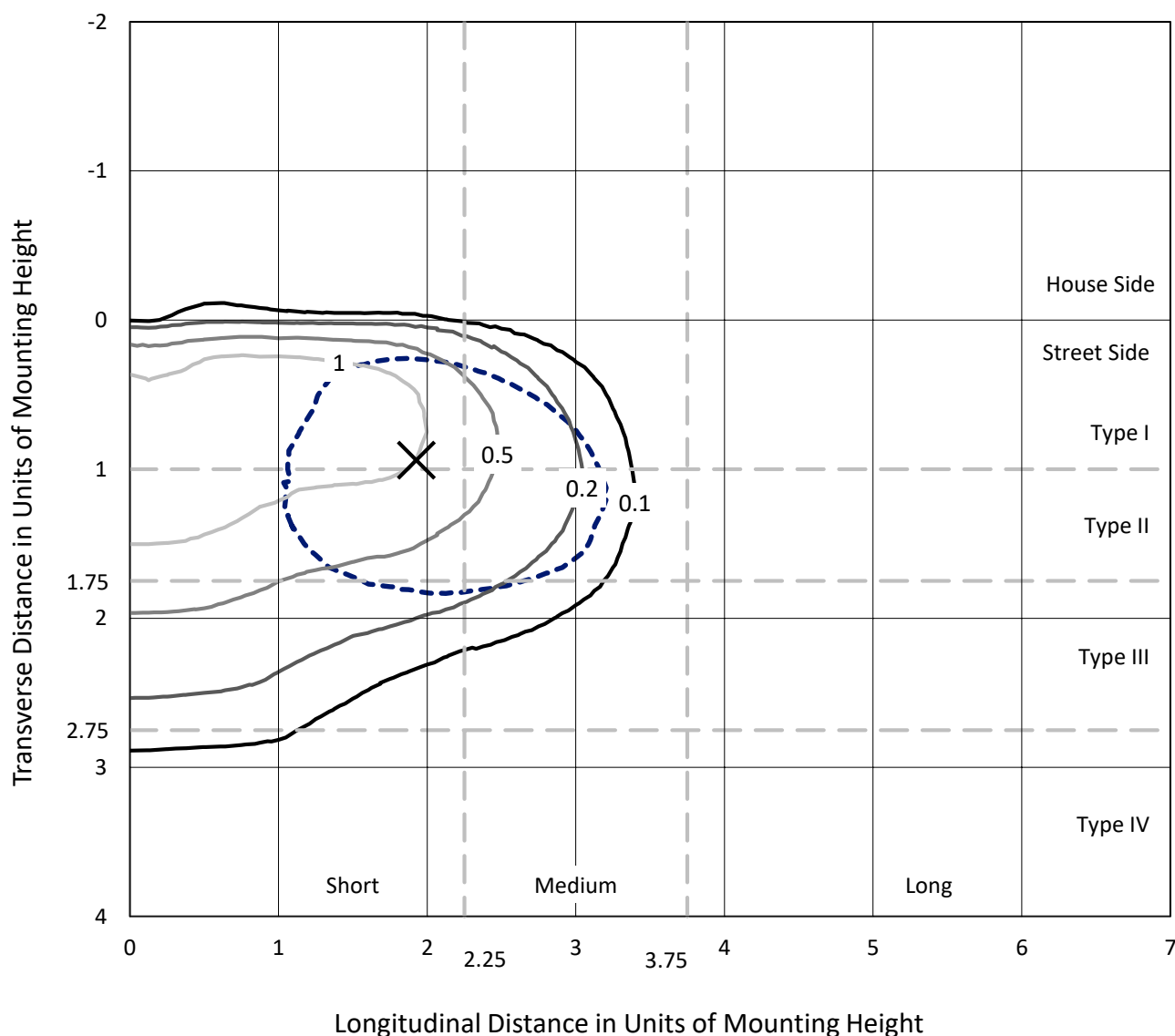
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

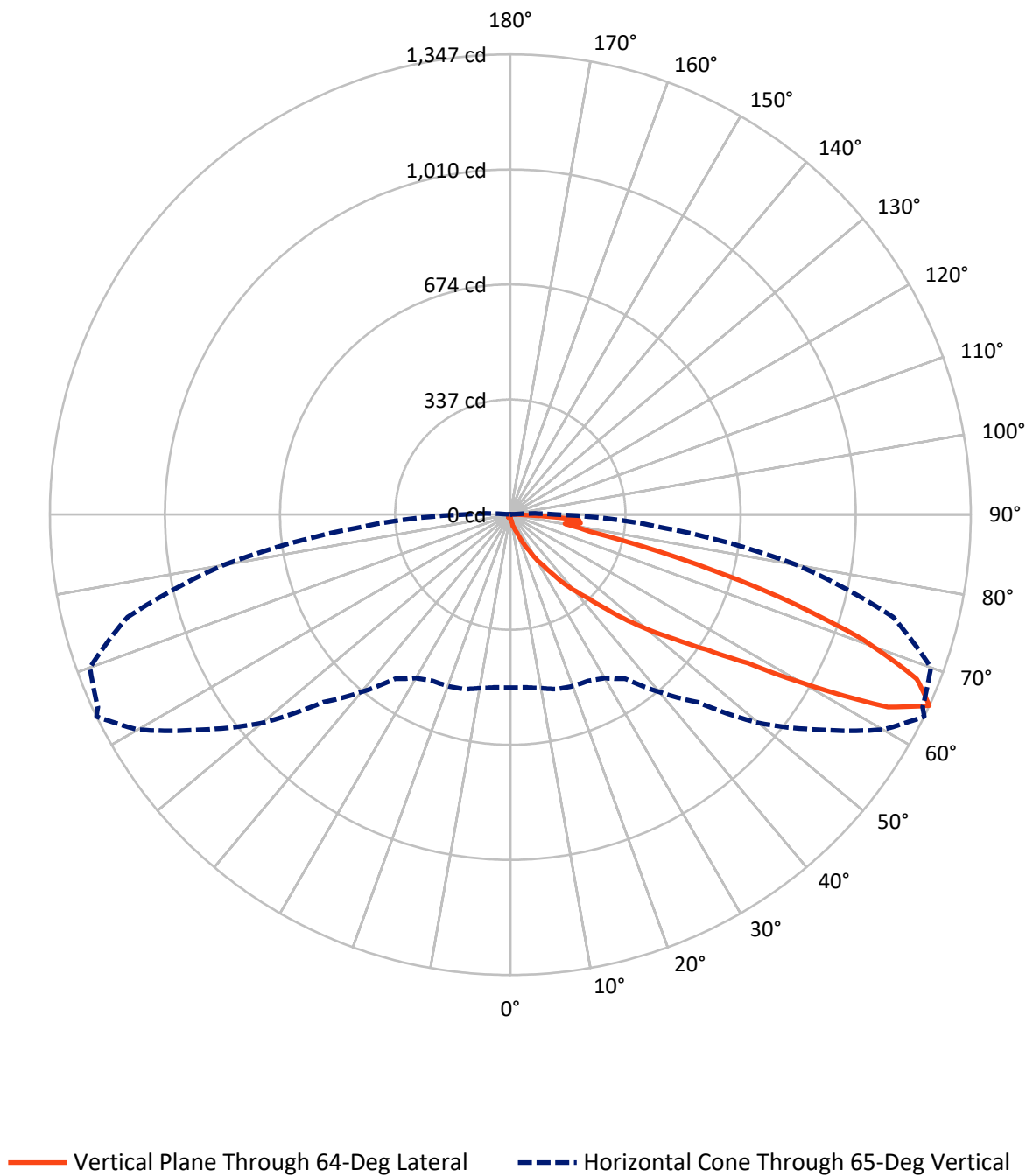


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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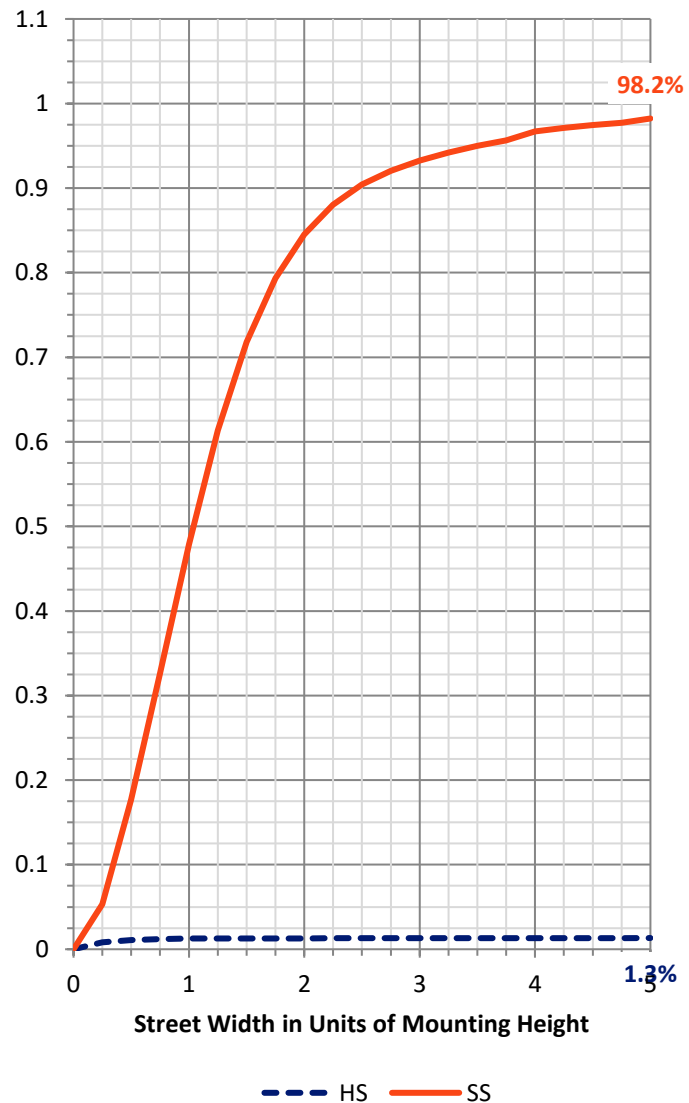
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14.6	0.0	14.6
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1060.5	0.0	1060.5
	% Fixture	98.6	0.0	98.6
Total	Lumens	1075.1	0.0	1075.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	9.3	0.9
20°-30°	29.2	2.7
30°-40°	70.8	6.6
40°-50°	150.0	14.0
50°-60°	270.2	25.1
60°-70°	361.7	33.6
70°-80°	156.4	14.5
80°-90°	26.2	2.4
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°	1075.1	100.0
0°-180°	1075.1	100.0

Coefficient of Utilization



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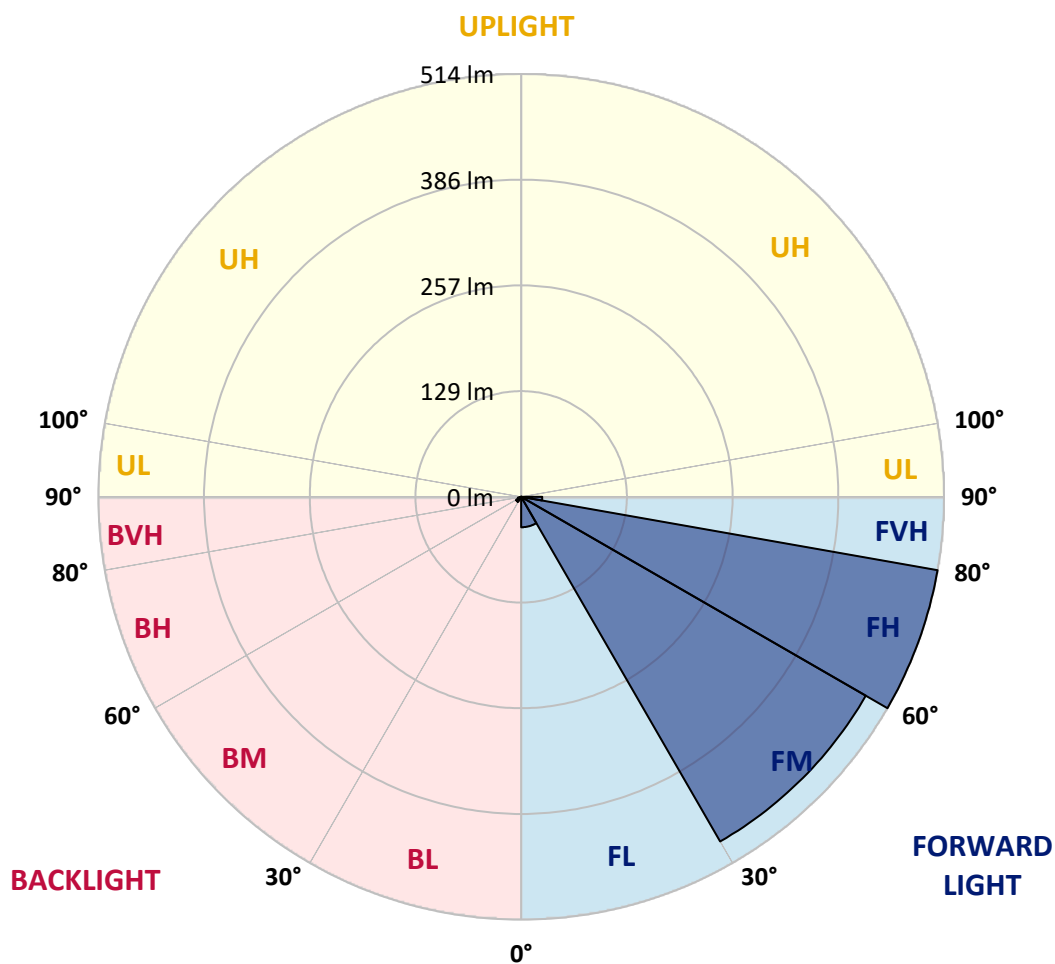
CATALOG NUMBER: UTLD-F01-LED-E-U-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	37.0	3.4			
FM	(30°-60°)	483.8	45.0			
FH	(60°-80°)	514.0	47.8			G0/660
FVH	(80°-90°)	25.6	2.4			G1/100
BL	(0°-30°)	2.8	0.3	B0/110		
BM	(30°-60°)	7.1	0.7	B0/220		
BH	(60°-80°)	4.1	0.4	B0/110		G0/110
BVH	(80°-90°)	0.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	15.5	15.5	15.1	15.5	15.1	14.7	14.7	14.3	14.3	13.9	13.9
5°	22.6	22.6	22.2	21.5	20.7	20.4	20.0	18.8	18.5	18.1	17.3
7.5°	40.3	40.3	39.6	38.8	38.5	37.7	36.9	35.4	33.9	25.3	21.9
10°	51.6	50.9	50.1	48.6	48.3	46.4	44.5	43.4	41.8	38.1	35.4
12.5°	72.4	72.0	71.3	71.6	69.4	67.9	64.8	62.2	49.8	46.7	45.6
15°	95.4	89.3	83.7	78.4	76.9	75.4	70.9	71.3	74.3	67.9	53.2
17.5°	97.6	98.0	97.3	97.3	95.0	93.9	96.5	83.7	81.4	75.8	71.6
20°	122.9	123.3	122.5	114.6	103.7	99.9	105.6	101.8	101.8	92.7	87.1
22.5°	128.6	129.7	128.6	128.2	125.5	131.9	127.8	110.5	116.9	109.0	104.8
25°	156.1	156.8	156.5	153.1	158.0	138.7	135.7	144.0	136.1	126.7	130.8
27.5°	185.5	184.7	167.8	162.1	164.4	162.1	170.8	156.8	164.0	154.9	148.5
30°	199.4	200.6	199.1	192.6	192.6	198.7	183.2	188.9	183.6	170.0	192.6
32.5°	239.8	241.3	236.8	235.6	218.3	212.2	207.0	212.6	199.4	209.2	214.9
35°	287.3	288.0	281.2	252.2	251.8	244.7	243.5	230.3	237.1	229.6	250.7
37.5°	326.9	325.0	314.0	300.1	300.8	286.1	270.7	271.8	260.9	261.6	281.6
40°	379.3	378.5	370.6	359.3	342.7	324.2	314.8	310.3	301.6	295.6	314.4
42.5°	427.9	432.8	429.4	414.7	390.2	381.9	359.3	350.2	347.6	337.8	353.2
45°	488.2	487.8	487.5	472.8	456.9	439.6	406.0	401.1	396.6	395.5	412.4
47.5°	533.5	533.8	535.3	525.5	514.6	490.1	456.9	455.8	458.4	455.8	477.3
50°	564.0	567.4	573.0	570.8	556.1	539.5	518.7	515.0	518.4	516.9	551.2
52.5°	584.3	588.5	595.3	599.4	583.6	576.4	567.8	562.9	579.1	579.4	618.7
55°	592.3	596.8	603.6	611.9	599.8	601.3	597.9	597.2	623.2	629.2	680.9
57.5°	585.9	590.0	597.5	607.7	604.3	616.8	609.6	613.0	653.3	669.2	735.9
60°	568.9	572.7	581.0	597.9	593.4	608.1	604.7	620.9	673.3	708.4	799.6
62.5°	540.6	545.1	554.2	570.4	572.7	585.5	588.9	616.4	686.9	748.0	884.8
65°	505.9	507.1	515.4	528.5	533.8	536.5	551.9	585.5	676.7	775.9	948.5
67.5°	453.5	456.2	461.4	469.4	473.5	459.6	472.4	507.1	598.7	717.4	901.4
70°	321.6	321.2	332.9	366.8	377.0	345.7	345.0	366.4	441.5	554.9	721.2
72.5°	219.4	222.1	227.3	237.9	270.3	260.5	257.1	245.8	275.2	338.2	476.5
75°	167.0	168.1	190.0	207.7	229.6	239.8	246.2	232.6	221.7	211.9	272.9
77.5°	56.9	61.8	72.4	99.2	154.9	188.9	210.0	229.6	242.8	232.6	225.4
80°	12.4	12.8	14.3	19.2	54.3	97.6	122.5	156.5	194.9	216.8	235.6
82.5°	5.3	5.7	6.8	8.3	12.8	36.2	50.9	58.8	79.5	105.2	171.5
85°	1.9	1.9	2.3	3.0	4.9	9.0	13.6	14.7	22.6	33.2	56.2
87.5°	0.8	0.8	0.8	1.1	1.5	2.3	2.6	3.0	3.8	7.9	18.8
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°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	13.9	13.6	13.6	13.6	13.2	12.1	11.3	9.8	9.0	8.3	7.9
5°	16.6	15.5	14.7	14.7	13.6	13.2	12.8	10.9	8.7	7.5	6.8
7.5°	20.0	18.5	17.3	17.0	15.5	13.6	12.8	11.7	8.7	7.2	6.4
10°	33.6	23.8	21.9	21.1	18.8	16.6	15.1	14.3	10.6	8.3	7.5
12.5°	42.6	37.7	33.9	29.8	22.2	20.0	17.0	14.3	10.9	8.3	6.8
15°	49.4	44.1	38.8	38.5	31.7	25.6	20.7	18.1	12.8	10.6	8.7
17.5°	71.3	55.0	47.9	47.5	40.3	28.3	23.8	17.7	13.9	10.2	8.3
20°	81.1	69.0	57.7	59.6	52.4	41.5	30.2	23.0	16.6	13.6	10.9
22.5°	104.1	93.5	80.7	72.4	60.7	49.0	33.2	25.6	18.8	13.9	11.3
25°	120.6	107.1	102.2	101.0	83.7	66.0	44.1	30.2	21.1	15.5	13.6
27.5°	149.3	139.1	122.5	120.6	95.4	72.4	55.4	35.8	23.4	17.0	14.3
30°	168.1	160.6	154.9	150.8	119.5	87.1	63.0	40.7	25.3	17.7	14.7
32.5°	205.1	190.8	178.3	171.9	151.6	110.1	76.2	46.7	27.5	18.8	16.2
35°	235.2	233.7	215.6	214.1	184.7	140.6	92.7	54.7	28.7	19.2	15.8
37.5°	274.8	266.2	257.5	253.0	225.4	172.7	113.5	67.1	33.6	20.0	15.8
40°	306.5	297.8	294.4	290.3	254.1	204.0	140.2	73.1	34.3	20.4	15.5
42.5°	346.8	333.3	336.3	331.8	293.3	245.8	167.0	87.5	36.9	20.4	14.7
45°	398.1	390.9	394.3	386.8	348.7	299.3	194.9	101.8	40.7	20.0	13.6
47.5°	463.7	459.6	463.3	450.1	421.1	369.8	253.3	127.8	45.6	19.6	12.8
50°	533.5	539.5	534.2	521.8	509.3	445.2	321.6	159.8	52.8	18.8	12.1
52.5°	615.3	616.0	606.6	606.2	606.6	543.6	392.8	198.3	61.8	18.1	11.3
55°	692.9	702.3	697.4	703.1	711.8	668.4	480.3	242.4	74.3	17.0	10.6
57.5°	772.5	806.0	819.6	837.3	853.9	830.1	598.3	306.5	89.3	15.8	9.8
60°	875.4	966.6	1024.7	1046.2	1060.1	1011.5	751.4	388.3	111.2	14.7	8.7
62.5°	1008.5	1154.4	1239.9	1264.8	1246.0	1144.2	840.3	449.4	128.9	13.9	7.5
65°	1096.3	1258.0	1347.0	1331.2	1308.9	1159.3	852.8	455.0	132.7	12.4	6.8
67.5°	1044.3	1193.6	1282.5	1258.8	1242.6	1083.9	764.5	419.2	123.7	10.6	6.0
70°	865.2	1016.4	1094.4	1074.8	1086.5	919.9	625.4	355.1	109.7	9.0	5.3
72.5°	621.7	740.4	820.3	808.3	839.6	661.3	460.7	279.4	91.2	7.5	4.5
75°	379.6	488.6	507.8	489.3	467.1	337.4	222.4	151.9	58.8	5.7	3.4
77.5°	232.2	266.5	235.2	238.3	187.7	84.4	41.8	31.3	16.6	4.5	2.3
80°	221.3	200.2	161.7	157.2	108.2	32.8	18.5	13.9	7.2	3.4	1.9
82.5°	231.1	242.4	207.0	191.5	114.6	29.0	15.1	11.3	5.7	2.6	1.5
85°	95.8	216.0	200.6	182.8	105.9	22.6	12.1	8.3	3.8	1.9	1.5
87.5°	37.3	61.8	56.9	50.9	33.6	11.3	9.4	6.8	2.6	1.5	1.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	7.5	7.2	6.8	6.8	6.4	6.4	6.0	6.0	6.0	6.0	6.0
5°	6.4	6.0	5.7	5.3	4.9	4.9	5.3	5.7	5.7	6.0	5.7
7.5°	5.7	5.3	4.5	4.9	4.9	4.1	3.0	2.6	2.6	3.0	3.0
10°	6.0	5.3	5.7	3.4	2.6	2.3	2.6	2.6	2.6	3.4	4.1
12.5°	6.0	6.4	4.5	4.1	3.8	3.4	4.1	3.8	3.4	3.8	3.8
15°	7.9	5.7	4.9	4.1	4.5	4.9	4.5	4.1	3.8	3.8	4.1
17.5°	6.8	6.0	5.7	6.4	6.0	4.9	4.5	4.9	4.9	4.5	4.1
20°	9.0	7.9	7.5	6.4	5.7	5.7	5.7	4.9	4.5	4.5	4.9
22.5°	10.2	8.7	8.7	7.9	7.2	5.7	5.7	5.3	5.3	4.9	4.5
25°	12.1	11.3	9.8	7.9	7.5	6.8	6.4	5.3	5.3	4.9	4.9
27.5°	12.8	11.3	9.8	9.0	7.9	6.4	6.4	5.3	4.9	4.9	4.5
30°	13.6	11.7	10.2	9.0	7.9	6.8	6.4	5.3	4.9	4.5	4.5
32.5°	14.3	12.1	9.8	8.7	7.5	6.4	6.0	5.3	4.5	4.1	4.1
35°	13.6	11.3	9.8	8.7	7.2	6.0	5.7	4.9	4.1	4.1	3.8
37.5°	12.8	10.6	9.0	7.9	6.8	5.7	4.9	4.1	3.8	3.4	3.4
40°	12.1	9.8	8.3	7.2	6.0	5.3	4.5	3.4	3.0	2.6	2.6
42.5°	10.9	9.0	7.5	6.4	5.3	4.1	3.8	3.0	2.3	1.9	1.9
45°	10.6	8.3	6.8	5.7	4.5	3.8	3.0	2.3	1.5	1.1	1.1
47.5°	9.8	7.5	6.0	4.9	3.8	3.0	2.3	1.5	1.1	0.8	0.8
50°	9.0	7.2	5.3	4.1	3.0	2.3	1.5	1.1	0.8	0.4	0.4
52.5°	8.3	6.4	4.5	3.4	2.6	1.9	1.1	0.8	0.4	0.4	0.0
55°	7.5	5.3	4.1	3.0	1.9	1.1	0.8	0.4	0.4	0.0	0.0
57.5°	6.4	4.5	3.4	2.3	1.5	0.8	0.4	0.4	0.4	0.0	0.0
60°	5.7	3.8	2.6	1.9	1.1	0.8	0.4	0.4	0.0	0.0	0.0
62.5°	4.9	3.4	2.3	1.5	0.8	0.4	0.4	0.4	0.0	0.0	0.0
65°	4.1	2.6	1.9	1.1	0.8	0.4	0.4	0.4	0.4	0.0	0.0
67.5°	3.8	2.3	1.5	1.1	0.8	0.4	0.4	0.4	0.4	0.4	0.0
70°	3.4	1.9	1.1	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	2.6	1.5	1.1	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
75°	1.9	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	1.5	1.1	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
80°	1.1	0.8	0.8	1.1	1.1	1.1	0.4	0.8	0.8	0.8	0.8
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.4	1.1	1.1	1.1	0.8
85°	1.1	1.1	1.1	1.1	1.5	1.5	0.4	1.5	1.5	1.1	1.1
87.5°	1.5	1.1	1.5	1.5	1.5	1.9	0.4	1.5	1.5	1.5	1.5
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):

	160°	165°	170°	175°	180°
0°	9.4	9.4	9.4	9.4	9.4
2.5°	6.0	6.4	6.4	6.4	6.4
5°	5.3	4.9	4.9	4.9	4.9
7.5°	3.0	3.0	3.4	3.4	3.4
10°	4.5	4.5	4.5	4.5	4.5
12.5°	3.8	4.1	4.1	4.1	4.1
15°	4.5	4.5	4.9	4.9	4.9
17.5°	4.1	4.1	4.5	4.5	4.5
20°	4.5	4.9	4.9	4.9	4.9
22.5°	4.1	4.1	4.9	4.9	5.3
25°	4.9	4.5	4.5	4.9	4.5
27.5°	4.5	4.5	4.9	4.9	4.9
30°	4.5	4.1	4.1	4.5	4.5
32.5°	4.1	4.1	4.1	4.1	4.1
35°	3.8	3.8	4.1	4.1	4.1
37.5°	3.4	3.0	3.4	3.4	3.4
40°	2.6	2.6	2.6	3.0	3.0
42.5°	1.9	1.9	1.9	1.9	1.9
45°	1.1	1.1	1.1	1.1	1.1
47.5°	0.8	0.4	0.8	0.8	0.8
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.0	0.4	0.4	0.4	0.4
55°	0.0	0.4	0.4	0.4	0.4
57.5°	0.0	0.0	0.4	0.4	0.4
60°	0.0	0.0	0.4	0.4	0.4
62.5°	0.0	0.0	0.4	0.4	0.4
65°	0.0	0.4	0.4	0.4	0.4
67.5°	0.0	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.8	0.4	0.4
77.5°	0.8	0.8	0.8	0.8	0.4
80°	0.8	0.8	0.8	0.8	0.4
82.5°	0.8	0.8	1.1	0.8	0.4
85°	1.1	1.1	1.1	1.1	0.4
87.5°	1.1	1.1	1.5	1.5	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)