

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: P179348

Luminaire Tested: **UTLD-E01-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179348
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-E01-LED-E-U-T3-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1203.4 lumens
Efficiency: N/A
Efficacy: 48.7 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): 24.7
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



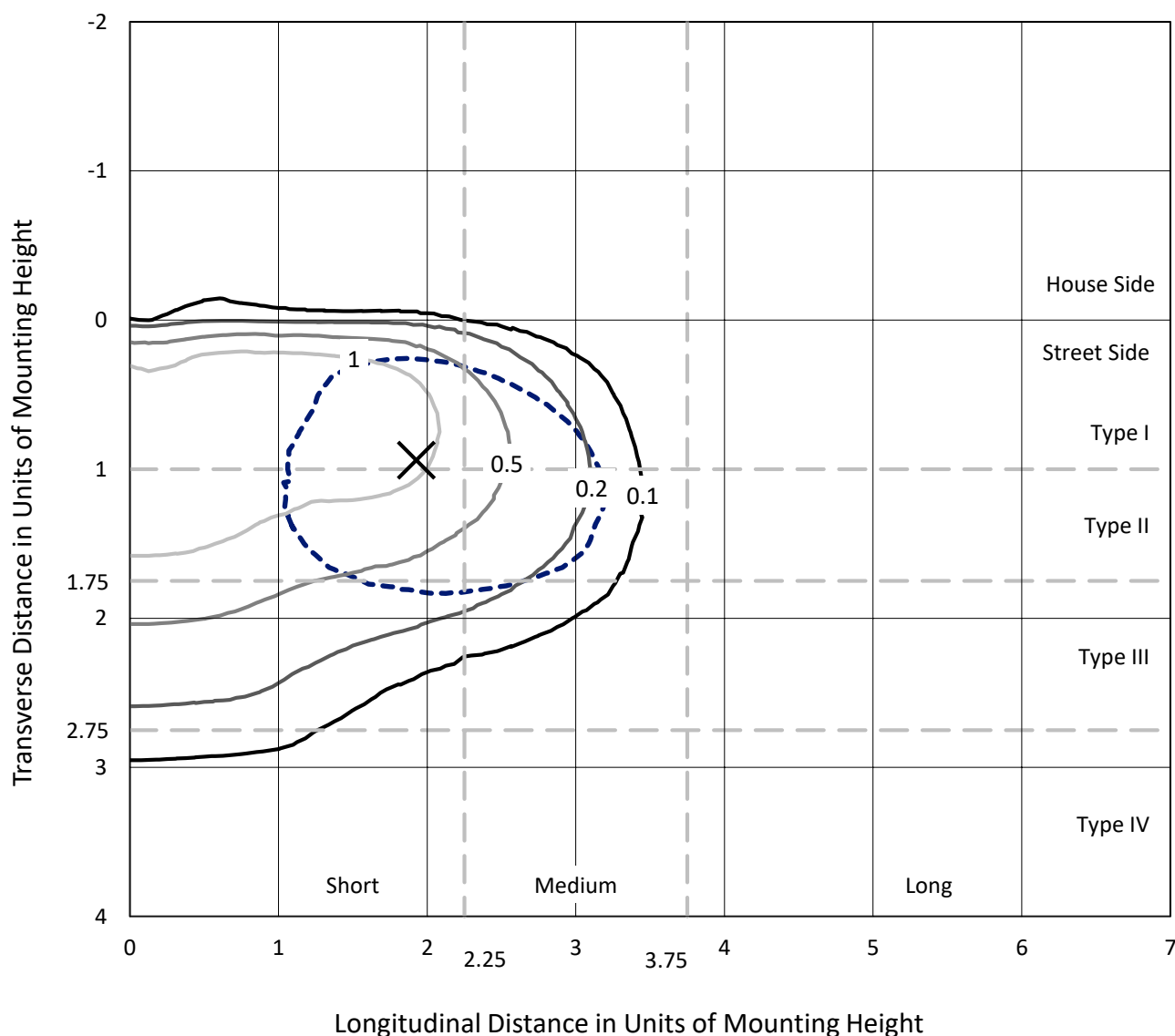
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

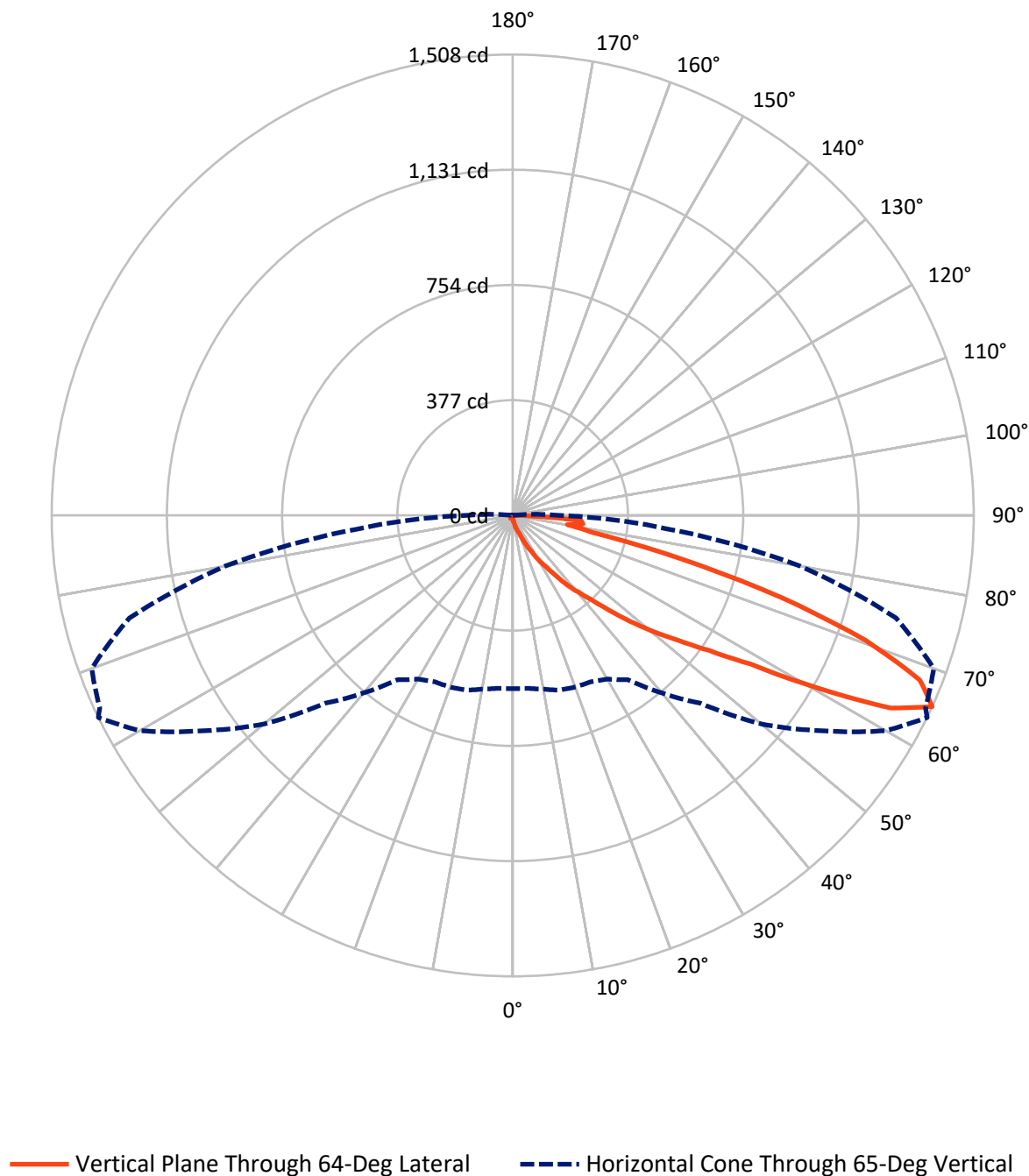


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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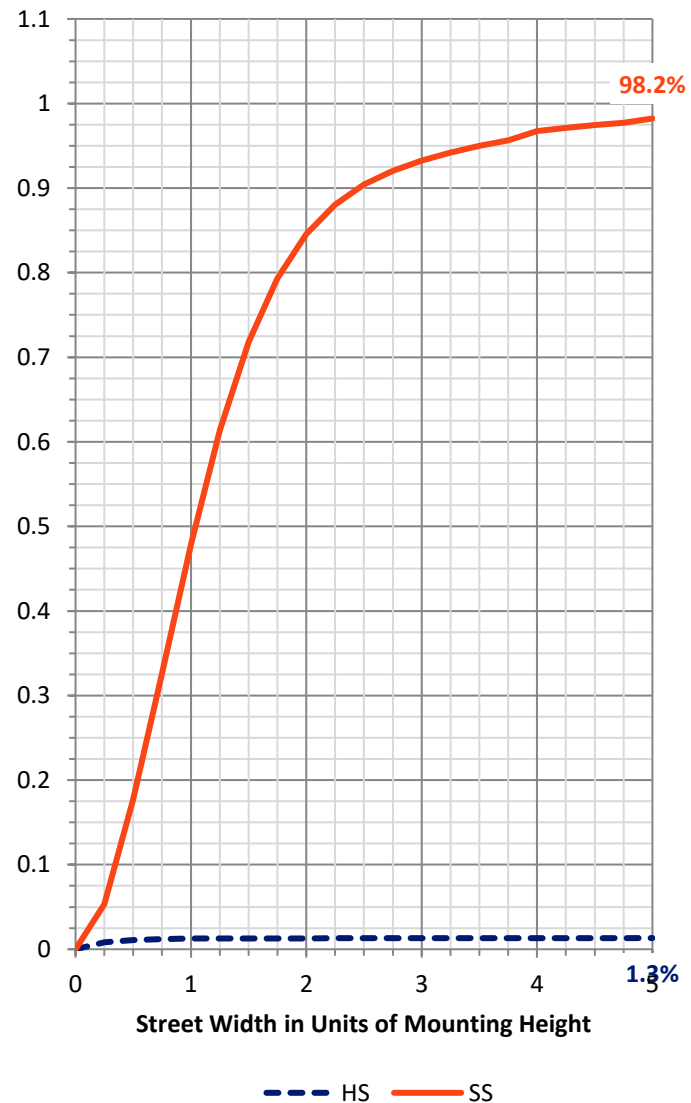
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16.4	0.0	16.4
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1187.0	0.0	1187.0
	% Fixture	98.6	0.0	98.6
Total	Lumens	1203.4	0.0	1203.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	10.4	0.9
20°-30°	32.6	2.7
30°-40°	79.2	6.6
40°-50°	167.9	14.0
50°-60°	302.4	25.1
60°-70°	404.9	33.6
70°-80°	175.0	14.5
80°-90°	29.4	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°	1203.4	100.0
0°-180°	1203.4	100.0

Coefficient of Utilization



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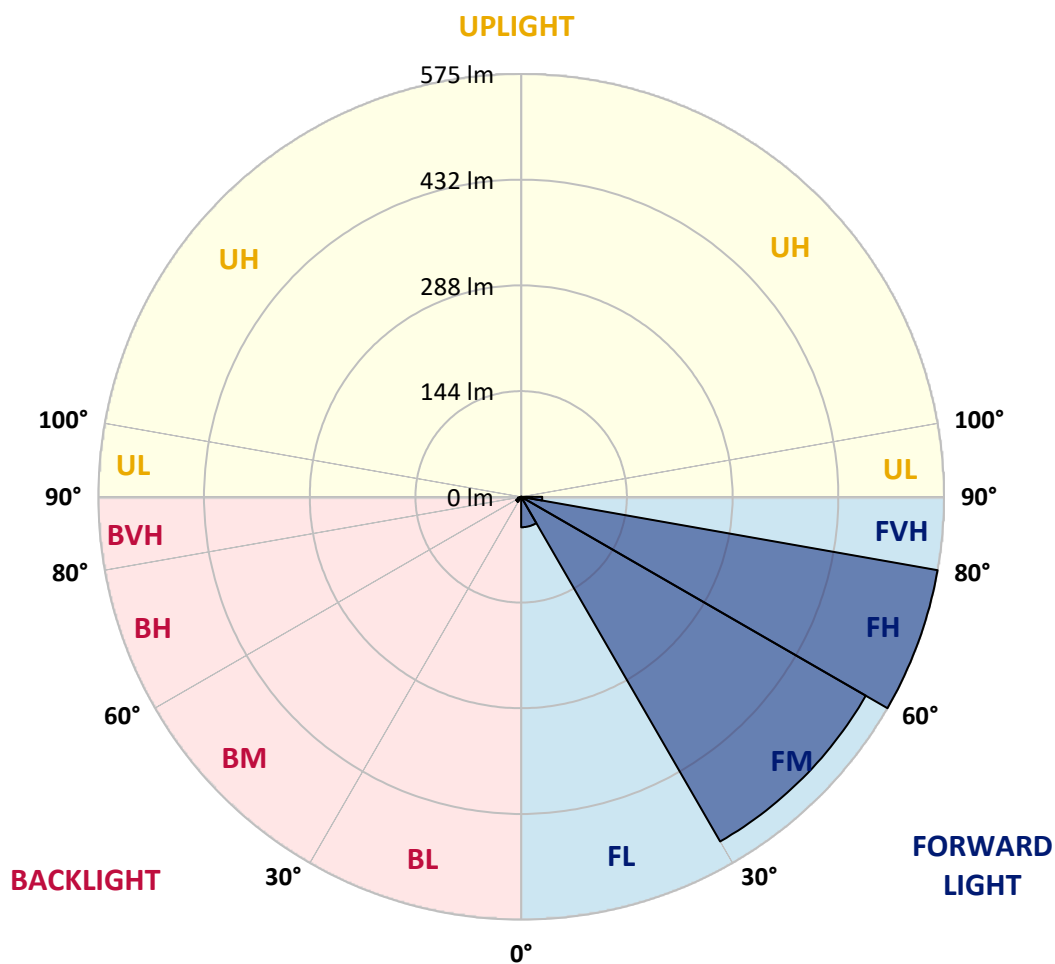
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.4	3.4			
FM	(30°-60°)	541.5	45.0			
FH	(60°-80°)	575.4	47.8			G0/660
FVH	(80°-90°)	28.7	2.4			G1/100
BL	(0°-30°)	3.2	0.3	B0/110		
BM	(30°-60°)	8.0	0.7	B0/220		
BH	(60°-80°)	4.5	0.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
2.5°	17.3	17.3	16.9	17.3	16.9	16.5	16.5	16.0	16.0	15.6	15.6
5°	25.3	25.3	24.9	24.1	23.2	22.8	22.4	21.1	20.7	20.3	19.4
7.5°	45.2	45.2	44.3	43.5	43.0	42.2	41.4	39.7	38.0	28.3	24.5
10°	57.8	57.0	56.1	54.4	54.0	51.9	49.8	48.5	46.8	42.6	39.7
12.5°	81.0	80.6	79.8	80.2	77.6	76.0	72.6	69.6	55.7	52.3	51.1
15°	106.8	100.0	93.7	87.8	86.1	84.4	79.3	79.8	83.1	76.0	59.5
17.5°	109.3	109.7	108.9	108.9	106.3	105.1	108.0	93.7	91.2	84.8	80.2
20°	137.6	138.0	137.1	128.3	116.0	111.8	118.2	113.9	113.9	103.8	97.5
22.5°	143.9	145.2	143.9	143.5	140.5	147.7	143.1	123.6	130.8	122.0	117.3
25°	174.7	175.6	175.1	171.3	176.8	155.3	151.9	161.2	152.3	141.8	146.4
27.5°	207.6	206.8	187.8	181.5	184.0	181.5	191.2	175.6	183.6	173.4	166.3
30°	223.2	224.5	222.8	215.6	215.6	222.4	205.1	211.4	205.5	190.3	215.6
32.5°	268.4	270.1	265.0	263.7	244.3	237.6	231.7	238.0	223.2	234.2	240.5
35°	321.6	322.4	314.8	282.3	281.9	273.9	272.6	257.8	265.4	257.0	280.6
37.5°	365.9	363.8	351.5	335.9	336.8	320.3	303.0	304.3	292.0	292.9	315.2
40°	424.5	423.7	414.8	402.2	383.6	362.9	352.4	347.3	337.6	330.8	351.9
42.5°	479.0	484.5	480.7	464.2	436.8	427.5	402.2	392.0	389.1	378.1	395.4
45°	546.5	546.1	545.6	529.2	511.5	492.0	454.5	449.0	443.9	442.7	461.7
47.5°	597.1	597.5	599.2	588.3	576.0	548.6	511.5	510.2	513.1	510.2	534.2
50°	631.3	635.1	641.4	638.9	622.4	603.9	580.7	576.4	580.2	578.6	617.0
52.5°	654.1	658.7	666.3	671.0	653.2	645.2	635.5	630.0	648.2	648.6	692.5
55°	663.0	668.0	675.6	684.9	671.4	673.1	669.3	668.4	697.6	704.3	762.1
57.5°	655.8	660.4	668.9	680.3	676.5	690.4	682.4	686.2	731.3	749.0	823.7
60°	636.8	641.0	650.3	669.3	664.2	680.7	676.9	695.0	753.7	792.9	895.1
62.5°	605.1	610.2	620.3	638.5	641.0	655.4	659.2	690.0	768.9	837.2	990.4
65°	566.3	567.6	576.9	591.6	597.5	600.5	617.8	655.4	757.5	868.5	1061.7
67.5°	507.7	510.6	516.5	525.4	530.0	514.4	528.8	567.6	670.1	803.1	1009.0
70°	360.0	359.5	372.6	410.6	422.0	387.0	386.1	410.2	494.2	621.2	807.3
72.5°	245.6	248.6	254.5	266.3	302.6	291.6	287.8	275.1	308.1	378.5	533.4
75°	186.9	188.2	212.7	232.5	257.0	268.4	275.6	260.4	248.1	237.2	305.5
77.5°	63.7	69.2	81.0	111.0	173.4	211.4	235.1	257.0	271.8	260.4	252.4
80°	13.9	14.3	16.0	21.5	60.8	109.3	137.1	175.1	218.2	242.6	263.7
82.5°	5.9	6.3	7.6	9.3	14.3	40.5	57.0	65.8	89.0	117.7	192.0
85°	2.1	2.1	2.5	3.4	5.5	10.1	15.2	16.5	25.3	37.1	62.9
87.5°	0.8	0.8	0.8	1.3	1.7	2.5	3.0	3.4	4.2	8.9	21.1
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°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
2.5°	15.6	15.2	15.2	15.2	14.8	13.5	12.7	11.0	10.1	9.3	8.9
5°	18.6	17.3	16.5	16.5	15.2	14.8	14.3	12.2	9.7	8.4	7.6
7.5°	22.4	20.7	19.0	19.0	17.3	15.2	14.3	13.1	9.7	8.0	7.2
10°	37.6	26.6	23.6	23.6	21.1	18.6	16.9	16.0	11.8	9.3	8.4
12.5°	47.7	42.2	33.3	33.3	24.9	22.4	19.0	16.0	12.2	9.3	7.6
15°	55.3	49.4	43.0	43.0	35.4	28.7	23.2	20.3	14.3	11.8	9.7
17.5°	79.8	61.6	53.2	53.2	45.2	31.6	26.6	19.8	15.6	11.4	9.3
20°	90.7	77.2	66.7	66.7	58.7	46.4	33.8	25.7	18.6	15.2	12.2
22.5°	116.5	104.7	81.0	81.0	67.9	54.9	37.1	28.7	21.1	15.6	12.7
25°	135.0	119.8	113.1	113.1	93.7	73.8	49.4	33.8	23.6	17.3	15.2
27.5°	167.1	155.7	135.0	135.0	106.8	81.0	62.0	40.1	26.2	19.0	16.0
30°	188.2	179.8	168.8	168.8	133.8	97.5	70.5	45.6	28.3	19.8	16.5
32.5°	229.6	213.5	192.4	192.4	169.6	123.2	85.2	52.3	30.8	21.1	18.1
35°	263.3	261.6	239.7	239.7	206.8	157.4	103.8	61.2	32.1	21.5	17.7
37.5°	307.6	297.9	283.2	283.2	252.4	193.3	127.0	75.1	37.6	22.4	17.7
40°	343.1	333.4	324.9	324.9	284.4	228.3	157.0	81.9	38.4	22.8	17.3
42.5°	388.2	373.0	371.4	371.4	328.3	275.1	186.9	97.9	41.4	22.8	16.5
45°	445.6	437.6	433.0	433.0	390.3	335.1	218.2	113.9	45.6	22.4	15.2
47.5°	519.1	514.4	503.9	503.9	471.4	414.0	283.6	143.1	51.1	21.9	14.3
50°	597.1	603.9	584.0	584.0	570.1	498.4	360.0	178.9	59.1	21.1	13.5
52.5°	688.7	689.5	678.6	678.6	679.0	608.5	439.7	222.0	69.2	20.3	12.7
55°	775.6	786.2	787.0	787.0	796.7	748.2	537.6	271.3	83.1	19.0	11.8
57.5°	864.7	902.2	937.3	937.3	955.8	929.2	669.7	343.1	100.0	17.7	11.0
60°	979.9	1082.0	1171.0	1171.0	1186.7	1132.2	841.0	434.7	124.5	16.5	9.7
62.5°	1128.8	1292.2	1415.8	1415.8	1394.7	1280.8	940.6	503.0	144.3	15.6	8.4
65°	1227.2	1408.2	1490.1	1490.1	1465.2	1297.6	954.6	509.3	148.5	13.9	7.6
67.5°	1168.9	1336.0	1409.0	1409.0	1390.9	1213.2	855.8	469.3	138.4	11.8	6.8
70°	968.5	1137.7	1203.1	1203.1	1216.2	1029.7	700.1	397.5	122.8	10.1	5.9
72.5°	695.9	828.8	904.8	904.8	939.8	740.2	515.7	312.7	102.1	8.4	5.1
75°	424.9	546.9	547.8	547.8	522.9	377.7	249.0	170.1	65.8	6.3	3.8
77.5°	259.9	298.4	266.7	266.7	210.2	94.5	46.8	35.0	18.6	5.1	2.5
80°	247.7	224.1	176.0	176.0	121.1	36.7	20.7	15.6	8.0	3.8	2.1
82.5°	258.7	271.3	214.4	214.4	128.3	32.5	16.9	12.7	6.3	3.0	1.7
85°	107.2	241.8	204.7	204.7	118.6	25.3	13.5	9.3	4.2	2.1	1.7
87.5°	41.8	69.2	57.0	57.0	37.6	12.7	10.5	7.6	3.0	1.7	1.7
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°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
2.5°	8.4	8.0	7.6	7.6	7.2	7.2	6.8	6.8	6.8	6.8	6.8
5°	7.2	6.8	6.3	5.9	5.5	5.5	5.9	6.3	6.3	6.8	6.3
7.5°	6.3	5.9	5.1	5.5	5.5	4.6	3.4	3.0	3.0	3.4	3.4
10°	6.8	5.9	6.3	3.8	3.0	2.5	3.0	3.0	3.0	3.8	4.6
12.5°	6.8	7.2	5.1	4.6	4.2	3.8	4.6	4.2	3.8	4.2	4.2
15°	8.9	6.3	5.5	4.6	5.1	5.5	5.1	4.6	4.2	4.2	4.6
17.5°	7.6	6.8	6.3	7.2	6.8	5.5	5.1	5.5	5.5	5.1	4.6
20°	10.1	8.9	8.4	7.2	6.3	6.3	6.3	5.5	5.1	5.1	5.5
22.5°	11.4	9.7	9.7	8.9	8.0	6.3	6.3	5.9	5.9	5.5	5.1
25°	13.5	12.7	11.0	8.9	8.4	7.6	7.2	5.9	5.9	5.5	5.5
27.5°	14.3	12.7	11.0	10.1	8.9	7.2	7.2	5.9	5.5	5.5	5.1
30°	15.2	13.1	11.4	10.1	8.9	7.6	7.2	5.9	5.5	5.1	5.1
32.5°	16.0	13.5	11.0	9.7	8.4	7.2	6.8	5.9	5.1	4.6	4.6
35°	15.2	12.7	11.0	9.7	8.0	6.8	6.3	5.5	4.6	4.6	4.2
37.5°	14.3	11.8	10.1	8.9	7.6	6.3	5.5	4.6	4.2	3.8	3.8
40°	13.5	11.0	9.3	8.0	6.8	5.9	5.1	3.8	3.4	3.0	3.0
42.5°	12.2	10.1	8.4	7.2	5.9	4.6	4.2	3.4	2.5	2.1	2.1
45°	11.8	9.3	7.6	6.3	5.1	4.2	3.4	2.5	1.7	1.3	1.3
47.5°	11.0	8.4	6.8	5.5	4.2	3.4	2.5	1.7	1.3	0.8	0.8
50°	10.1	8.0	5.9	4.6	3.4	2.5	1.7	1.3	0.8	0.4	0.4
52.5°	9.3	7.2	5.1	3.8	3.0	2.1	1.3	0.8	0.4	0.4	0.0
55°	8.4	5.9	4.6	3.4	2.1	1.3	0.8	0.4	0.4	0.0	0.0
57.5°	7.2	5.1	3.8	2.5	1.7	0.8	0.4	0.4	0.4	0.0	0.0
60°	6.3	4.2	3.0	2.1	1.3	0.8	0.4	0.4	0.0	0.0	0.0
62.5°	5.5	3.8	2.5	1.7	0.8	0.4	0.4	0.4	0.0	0.0	0.0
65°	4.6	3.0	2.1	1.3	0.8	0.4	0.4	0.4	0.4	0.0	0.0
67.5°	4.2	2.5	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.0
70°	3.8	2.1	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	3.0	1.7	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
75°	2.1	1.3	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	1.7	1.3	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
80°	1.3	0.8	0.8	1.3	1.3	1.3	0.4	0.8	0.8	0.8	0.8
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.4	1.3	1.3	1.3	0.8
85°	1.3	1.3	1.3	1.3	1.7	1.7	0.4	1.7	1.7	1.3	1.3
87.5°	1.7	1.3	1.7	1.7	1.7	2.1	0.4	1.7	1.7	1.7	1.7
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°	10.5	10.5	10.5	10.5	10.5
2.5°	6.8	7.2	7.2	7.2	7.2
5°	5.9	5.5	5.5	5.5	5.5
7.5°	3.4	3.4	3.8	3.8	3.8
10°	5.1	5.1	5.1	5.1	5.1
12.5°	4.2	4.6	4.6	4.6	4.6
15°	5.1	5.1	5.5	5.5	5.5
17.5°	4.6	4.6	5.1	5.1	5.1
20°	5.1	5.5	5.5	5.5	5.5
22.5°	4.6	4.6	5.5	5.5	5.9
25°	5.5	5.1	5.1	5.5	5.1
27.5°	5.1	5.1	5.5	5.5	5.5
30°	5.1	4.6	4.6	5.1	5.1
32.5°	4.6	4.6	4.6	4.6	4.6
35°	4.2	4.2	4.6	4.6	4.6
37.5°	3.8	3.4	3.8	3.8	3.8
40°	3.0	3.0	3.0	3.4	3.4
42.5°	2.1	2.1	2.1	2.1	2.1
45°	1.3	1.3	1.3	1.3	1.3
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	1.3	0.8	0.4
85°	1.3	1.3	1.3	1.3	0.4
87.5°	1.3	1.3	1.7	1.7	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)