

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: P179385

Luminaire Tested: **UTLD-F01-LED-E-U-T4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179385
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)
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-T4-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1434.1 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-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

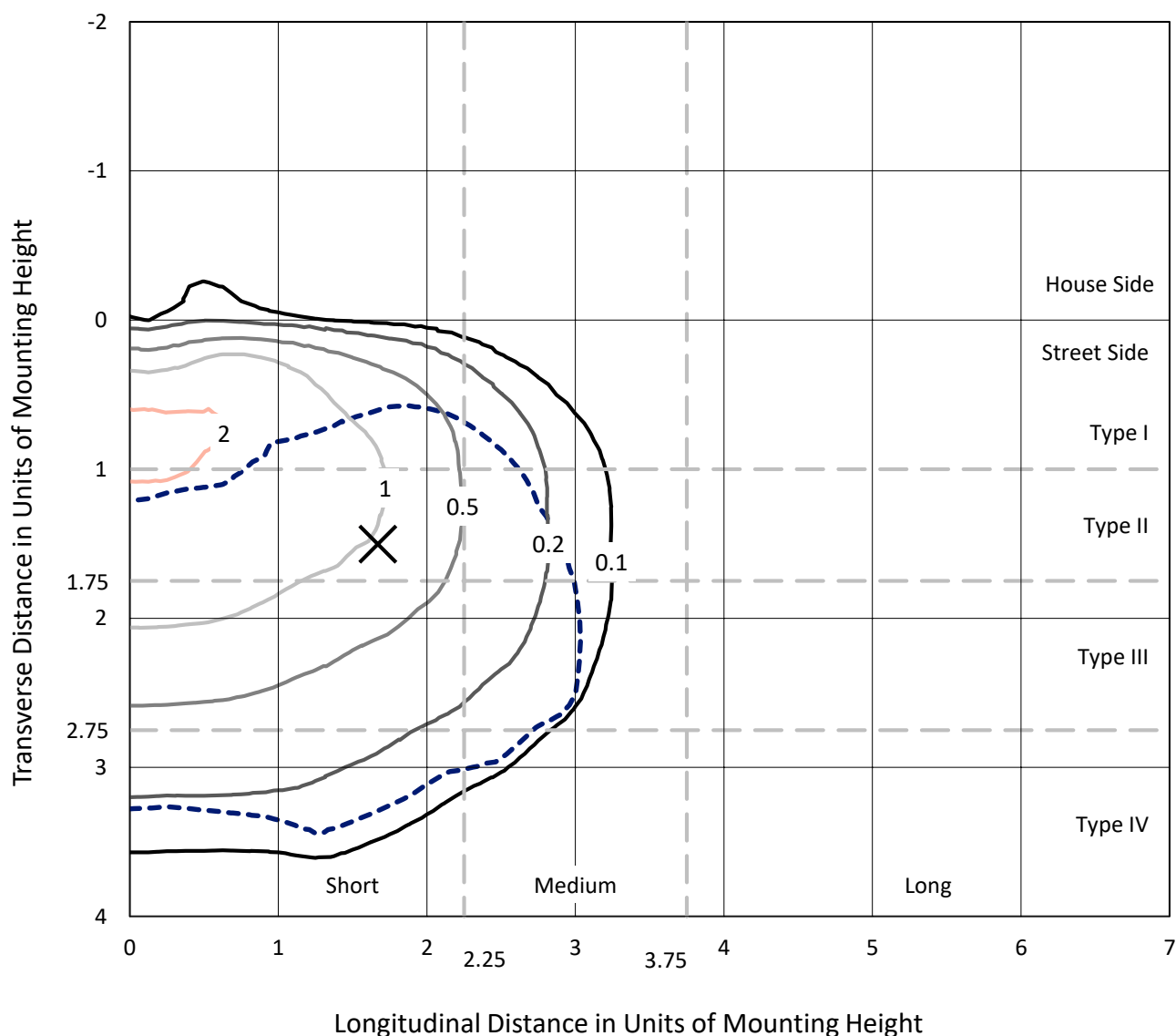


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

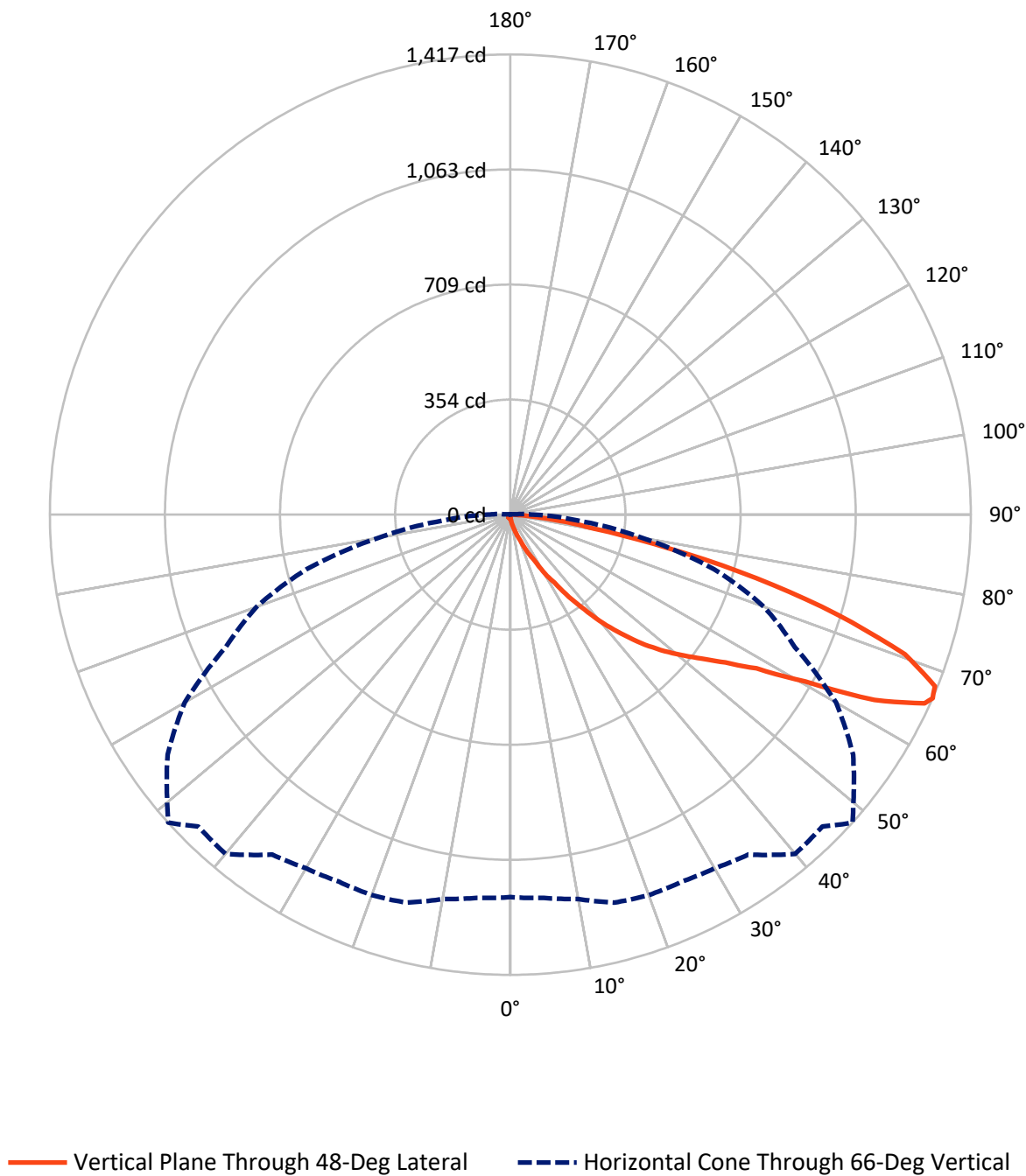


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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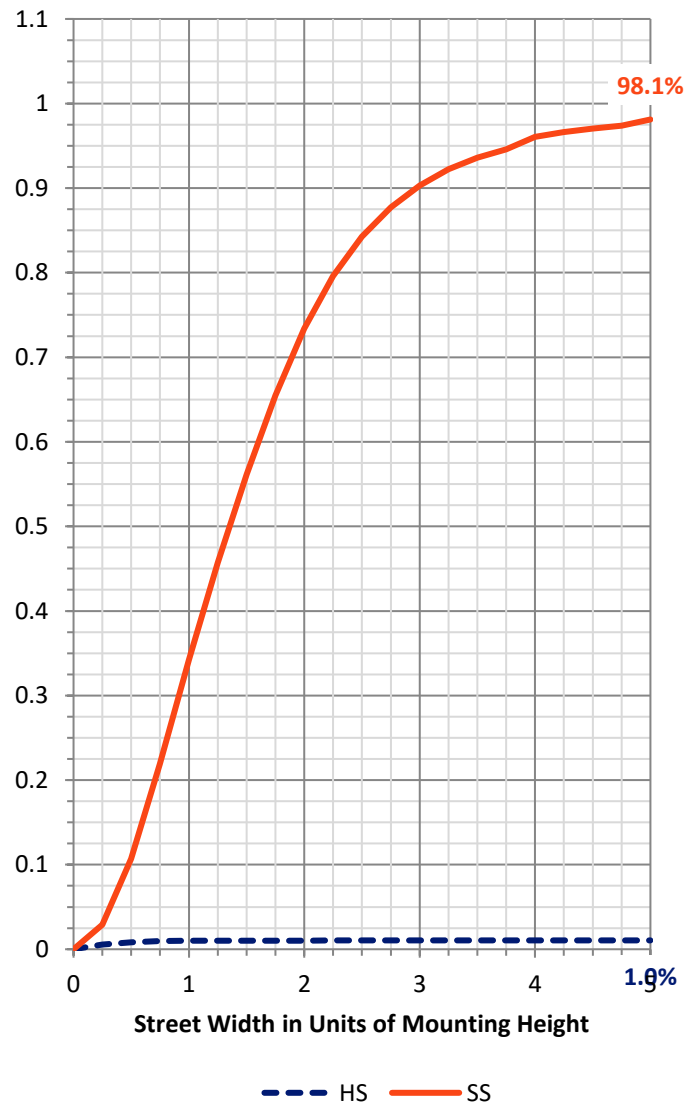
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.3	0.0	15.3
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	1418.7	0.0	1418.7
	% Fixture	98.9	0.0	98.9
Total	Lumens	1434.1	0.0	1434.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	8.9	0.6
20°-30°	34.1	2.4
30°-40°	95.4	6.7
40°-50°	185.2	12.9
50°-60°	303.6	21.2
60°-70°	494.8	34.5
70°-80°	278.8	19.4
80°-90°	31.9	2.2
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°	1434.1	100.0
0°-180°	1434.1	100.0

Coefficient of Utilization



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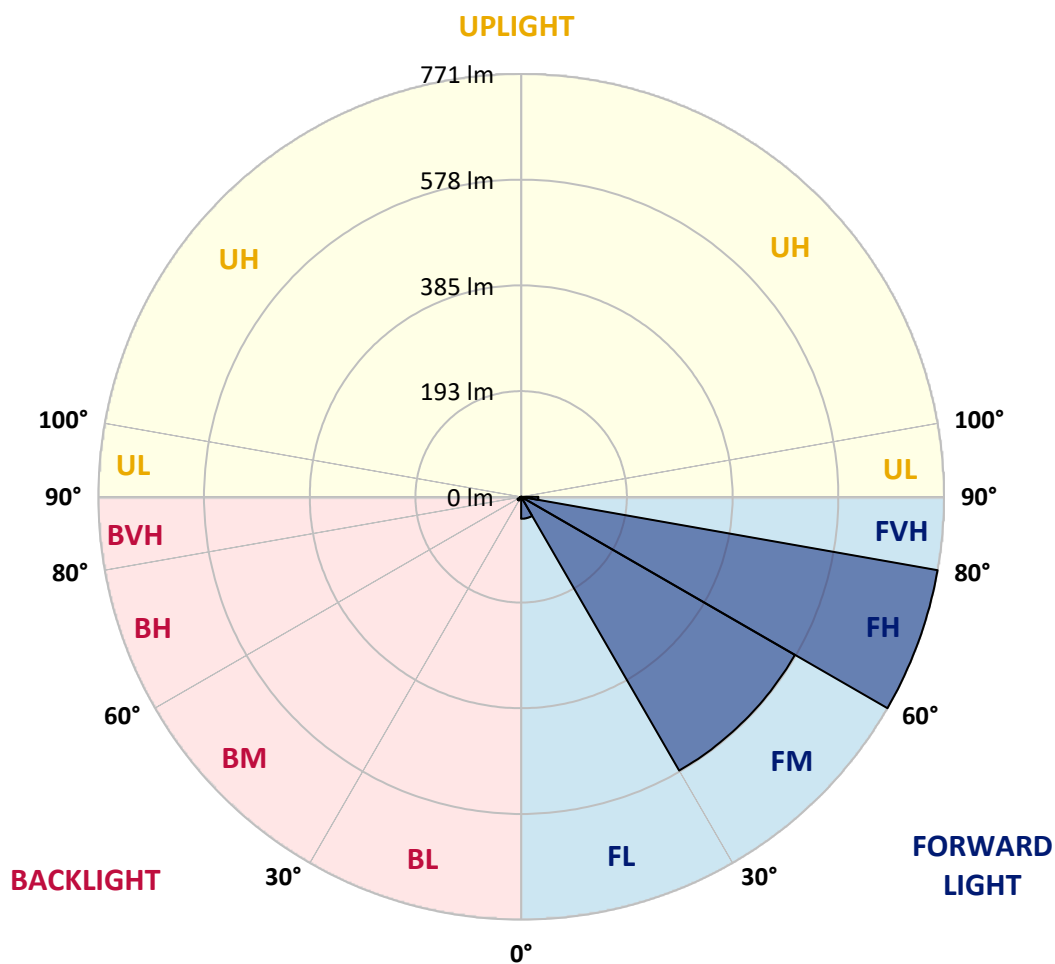
CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.1	2.8			
FM	(30°-60°)	576.3	40.2			
FH	(60°-80°)	770.9	53.8			G1/1800
FVH	(80°-90°)	31.4	2.2			G1/100
BL	(0°-30°)	4.2	0.3	B0/110		
BM	(30°-60°)	7.9	0.6	B0/220		
BH	(60°-80°)	2.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
2.5°	14.4	14.4	14.4	14.4	14.0	13.6	13.6	13.2	13.2	13.2	13.2
5°	21.1	21.1	19.8	19.4	18.6	18.2	17.3	16.9	16.5	15.7	15.7
7.5°	33.4	33.0	33.0	32.6	32.2	31.4	30.1	29.3	28.1	21.5	19.8
10°	42.5	42.9	42.1	41.7	39.2	38.0	36.3	34.7	34.3	31.4	29.7
12.5°	58.6	59.0	58.2	57.8	56.1	54.9	52.0	49.9	41.7	38.4	38.0
15°	83.8	83.8	79.7	71.4	68.9	66.0	61.5	60.7	61.1	55.7	48.7
17.5°	97.8	98.2	97.0	94.9	92.5	89.6	86.7	76.8	71.4	66.9	64.8
20°	133.3	133.3	130.8	126.7	111.9	106.1	105.7	100.7	97.0	85.4	80.9
22.5°	154.0	156.0	153.1	150.2	145.3	146.9	139.9	118.9	119.3	108.6	104.4
25°	202.3	202.7	198.1	194.8	193.2	168.4	161.8	165.1	152.3	138.7	135.4
27.5°	251.8	254.7	227.4	221.2	221.2	215.9	218.4	194.8	191.5	174.6	161.4
30°	288.9	290.2	285.6	274.9	270.8	269.5	248.1	249.7	229.5	203.5	212.2
32.5°	356.2	358.3	349.6	345.5	316.2	305.0	291.8	292.2	267.5	263.3	249.7
35°	437.9	440.0	428.9	393.8	388.8	373.1	365.7	336.8	332.3	310.8	310.8
37.5°	492.0	485.0	474.7	461.5	464.4	443.7	419.8	415.2	390.5	374.4	369.8
40°	532.5	534.5	533.7	527.1	512.7	493.3	485.4	474.3	454.0	437.9	440.0
42.5°	567.5	571.7	575.0	565.5	553.9	545.7	534.5	527.5	511.0	490.8	500.7
45°	602.6	605.9	613.0	607.2	598.9	597.7	570.9	577.5	564.2	548.1	564.7
47.5°	643.5	646.8	652.2	652.6	651.8	634.4	612.1	622.0	619.1	599.7	622.9
50°	689.3	689.7	699.2	705.8	693.0	679.4	657.9	662.9	667.4	652.6	679.4
52.5°	738.8	744.2	751.2	755.8	738.0	731.4	713.3	712.4	721.9	706.6	735.5
55°	814.0	816.4	819.7	821.4	798.3	800.8	774.3	771.9	785.9	769.4	803.6
57.5°	908.5	915.1	922.1	918.8	894.9	892.8	856.9	844.9	869.3	859.4	893.2
60°	1052.1	1058.3	1063.7	1067.4	1054.2	1046.4	991.0	982.4	1023.2	1003.0	1043.5
62.5°	1202.4	1209.0	1215.2	1241.2	1227.6	1217.6	1183.8	1183.8	1233.7	1218.9	1257.7
65°	1200.3	1209.8	1223.8	1258.1	1264.3	1259.8	1258.5	1274.2	1351.8	1346.8	1401.3
66°	1178.0	1184.6	1202.4	1237.0	1247.0	1247.4	1257.7	1277.9	1363.8	1358.4	1417.4
67.5°	1126.0	1134.3	1153.3	1194.5	1204.9	1212.7	1239.5	1255.6	1352.2	1348.9	1409.6
70°	1008.4	1012.1	1029.8	1072.8	1097.5	1093.4	1133.9	1140.0	1233.7	1245.7	1288.6
72.5°	776.8	771.9	825.9	885.4	925.8	910.1	939.4	941.1	1020.8	1019.5	1053.8
75°	413.2	416.1	449.9	529.2	677.3	681.9	687.7	687.2	752.1	751.6	782.2
77.5°	261.3	268.3	281.1	305.0	379.3	433.4	454.5	445.8	474.3	484.2	499.9
80°	105.7	110.2	125.5	164.7	253.4	274.5	281.1	268.3	273.7	260.5	260.5
82.5°	35.1	35.5	40.5	51.2	130.0	181.6	187.0	158.1	155.6	151.1	151.1
85°	19.0	19.0	19.8	26.8	50.4	97.8	107.3	72.2	71.0	60.3	55.7
87.5°	1.7	2.1	1.7	4.5	7.8	14.9	17.3	18.2	20.6	23.5	19.0
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
2.5°	13.2	13.2	13.2	13.6	13.6	13.2	12.8	11.6	11.1	10.3	9.5
5°	15.3	14.9	14.0	13.6	13.2	12.8	12.8	12.0	10.3	9.1	7.8
7.5°	19.4	17.3	16.1	15.3	14.0	12.8	12.4	12.4	9.9	8.3	7.4
10°	28.9	28.1	21.5	18.6	16.9	15.7	14.9	15.3	12.4	9.9	9.5
12.5°	37.1	35.1	31.4	24.8	19.4	17.7	16.1	14.4	12.4	9.9	8.7
15°	46.6	41.7	38.0	33.8	27.7	22.7	19.8	18.6	15.3	12.8	11.1
17.5°	62.7	61.1	47.1	41.3	35.5	25.6	22.3	18.2	16.1	12.4	11.1
20°	78.4	72.2	61.5	54.1	46.2	35.9	28.5	23.9	19.4	16.5	14.9
22.5°	99.5	93.7	82.1	64.4	54.9	45.8	32.6	28.5	22.3	18.6	16.5
25°	134.6	115.6	102.0	89.6	74.7	60.3	41.3	31.0	24.8	20.6	18.2
27.5°	161.8	150.7	133.7	114.3	87.5	69.8	52.0	35.5	27.7	22.7	19.4
30°	219.6	182.4	176.7	149.8	114.7	83.0	59.4	40.9	28.9	23.1	19.8
32.5°	255.1	242.7	213.8	184.5	150.7	111.4	74.7	45.4	31.0	23.5	21.1
35°	318.2	288.1	272.8	242.3	196.1	142.8	89.6	54.1	31.0	23.9	20.6
37.5°	383.5	351.7	322.4	291.0	236.9	170.1	108.1	61.1	33.0	22.7	19.4
40°	436.7	406.2	366.1	335.6	271.2	198.5	130.4	65.6	31.8	21.9	17.7
42.5°	497.0	460.6	416.9	383.9	310.8	237.3	148.6	77.2	32.6	21.1	16.1
45°	553.5	514.3	470.1	423.9	349.2	274.5	169.6	83.8	35.5	20.6	14.4
47.5°	606.3	565.1	523.4	458.6	396.7	313.7	201.8	99.9	38.0	19.4	13.2
50°	653.8	614.6	568.4	494.9	435.5	343.0	232.8	111.4	40.9	17.7	12.0
52.5°	707.9	667.4	607.2	533.3	471.4	380.6	260.5	127.1	44.6	16.1	10.7
55°	774.8	724.0	665.8	596.4	513.5	428.9	291.8	142.0	49.5	14.4	9.5
57.5°	857.7	814.8	755.4	674.0	576.6	476.3	329.8	161.0	54.1	13.2	8.7
60°	1008.8	953.1	896.9	801.2	670.7	552.3	375.6	185.7	61.5	12.0	7.8
62.5°	1223.0	1162.3	1071.5	932.8	793.3	624.1	420.6	210.5	69.8	10.7	7.4
65°	1359.2	1275.8	1154.5	974.1	838.3	657.1	424.3	210.1	70.6	9.9	6.6
66°	1378.6	1287.8	1157.4	966.7	831.7	648.9	414.4	207.2	69.3	9.1	6.2
67.5°	1376.6	1276.3	1135.9	935.7	798.7	619.6	382.2	192.8	65.6	8.7	5.8
70°	1268.8	1168.9	1020.8	828.8	698.4	535.4	328.6	165.5	56.1	7.4	5.0
72.5°	1053.8	959.3	825.1	657.1	563.0	423.5	251.8	130.0	44.2	6.2	4.1
75°	778.5	688.1	586.1	456.5	370.7	267.9	156.8	84.2	28.9	5.0	3.3
77.5°	485.8	409.5	310.8	232.4	172.9	111.4	55.3	28.5	12.4	4.1	2.5
80°	256.3	208.9	150.7	109.0	80.1	49.9	25.6	13.2	6.6	3.3	1.7
82.5°	147.8	124.2	92.0	68.5	53.7	35.1	19.0	10.7	5.0	2.1	1.2
85°	53.2	45.8	51.2	38.8	29.3	19.4	13.6	8.7	3.3	1.7	1.2
87.5°	19.8	16.1	14.4	12.4	12.0	12.0	11.1	6.6	2.1	1.2	1.2
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°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
2.5°	9.1	8.3	8.3	7.8	7.8	7.4	7.4	7.4	7.4	7.4	7.8
5°	7.4	7.0	7.0	7.0	6.6	6.6	7.4	7.8	8.3	8.7	8.3
7.5°	7.4	7.0	6.6	7.0	7.8	6.2	5.0	4.5	4.1	4.5	4.5
10°	8.3	7.8	8.7	5.8	4.1	3.7	4.1	4.1	4.1	5.4	6.6
12.5°	8.3	8.7	6.6	5.8	5.8	5.4	6.6	5.8	5.8	5.8	5.8
15°	11.1	8.3	7.0	6.2	7.0	7.4	7.4	7.0	6.2	5.8	7.0
17.5°	9.5	8.7	8.3	9.9	9.1	7.8	7.0	7.8	8.3	7.4	6.6
20°	13.2	12.0	11.6	9.9	9.1	9.1	9.5	7.8	7.4	7.4	8.3
22.5°	14.0	12.8	13.2	12.4	12.0	9.5	9.1	8.7	8.7	7.8	7.8
25°	16.9	17.3	15.3	13.2	12.0	11.1	10.3	8.7	8.7	7.8	8.3
27.5°	18.2	16.9	15.3	14.4	13.2	10.7	10.3	9.1	8.3	8.3	7.4
30°	19.0	17.3	16.1	14.4	12.8	11.6	10.3	8.7	7.8	7.8	7.4
32.5°	20.2	18.2	15.3	13.6	12.4	10.3	9.9	8.3	7.4	6.6	6.6
35°	18.6	16.5	14.4	12.8	10.7	9.5	8.7	7.8	6.6	6.2	5.8
37.5°	16.5	14.4	12.8	11.1	9.9	8.7	7.8	6.6	5.8	5.4	5.0
40°	14.9	12.4	11.1	9.5	8.7	7.4	6.6	5.4	4.5	4.1	3.7
42.5°	13.2	10.7	9.5	8.3	7.0	6.2	5.4	4.1	3.3	2.9	2.5
45°	11.6	9.5	7.8	7.0	5.8	5.0	4.1	2.9	2.1	1.7	1.2
47.5°	10.3	8.3	7.0	5.8	5.0	3.7	2.9	1.7	1.2	0.8	0.4
50°	9.1	7.0	5.8	5.0	3.7	2.9	2.1	1.2	0.8	0.4	0.4
52.5°	7.8	6.2	5.4	4.1	3.3	2.1	1.2	0.8	0.4	0.4	0.0
55°	7.0	5.8	4.5	3.3	2.5	1.7	0.8	0.4	0.4	0.0	0.0
57.5°	6.6	5.4	3.7	2.5	2.1	1.2	0.8	0.4	0.4	0.0	0.0
60°	6.2	4.5	2.9	2.1	1.7	0.8	0.4	0.4	0.4	0.0	0.0
62.5°	5.8	3.7	2.5	1.7	1.2	0.8	0.4	0.4	0.4	0.4	0.0
65°	4.5	2.9	1.7	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4
66°	4.1	2.5	1.7	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4
67.5°	3.7	2.5	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4
70°	2.9	1.7	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
72.5°	2.5	1.7	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
75°	2.1	1.2	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	1.7	1.2	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
80°	1.2	1.2	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.4	0.4
82.5°	1.2	0.8	0.8	0.8	0.8	1.2	0.4	0.8	0.8	0.8	0.8
85°	1.2	0.8	0.8	1.2	1.2	1.2	0.4	1.2	1.2	1.2	0.8
87.5°	1.2	1.2	1.2	1.2	1.7	1.7	0.8	1.7	1.7	1.7	1.2
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°	11.1	11.1	11.1	11.1	11.1
2.5°	7.8	8.3	8.3	8.3	8.3
5°	8.3	7.4	7.8	7.8	7.8
7.5°	5.0	5.0	5.0	5.0	5.0
10°	7.0	7.0	7.0	7.0	7.0
12.5°	6.2	6.6	6.6	6.6	6.6
15°	7.4	7.8	7.8	7.8	8.3
17.5°	6.6	6.6	7.4	7.0	7.4
20°	7.8	7.8	7.8	7.8	7.8
22.5°	7.0	7.0	7.8	8.3	8.3
25°	7.8	7.4	7.4	7.4	7.4
27.5°	7.4	7.8	7.8	7.8	7.8
30°	7.0	6.6	7.0	7.0	7.4
32.5°	6.6	6.6	6.6	6.6	6.6
35°	5.8	5.8	5.8	6.2	6.2
37.5°	4.5	4.5	5.0	5.0	5.0
40°	3.7	3.3	3.3	3.7	3.7
42.5°	2.5	2.1	2.1	2.1	2.1
45°	1.2	0.8	0.8	0.8	0.8
47.5°	0.4	0.4	0.4	0.4	0.4
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
66°	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.0
85°	0.8	0.8	0.8	0.8	0.0
87.5°	1.2	1.2	1.2	1.2	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)