

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: P179381

Luminaire Tested: **UTLD-E01-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179381
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-E01-LED-E-U-T4-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1782.5 lumens
Efficiency: N/A
Efficacy: 72.2 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): 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



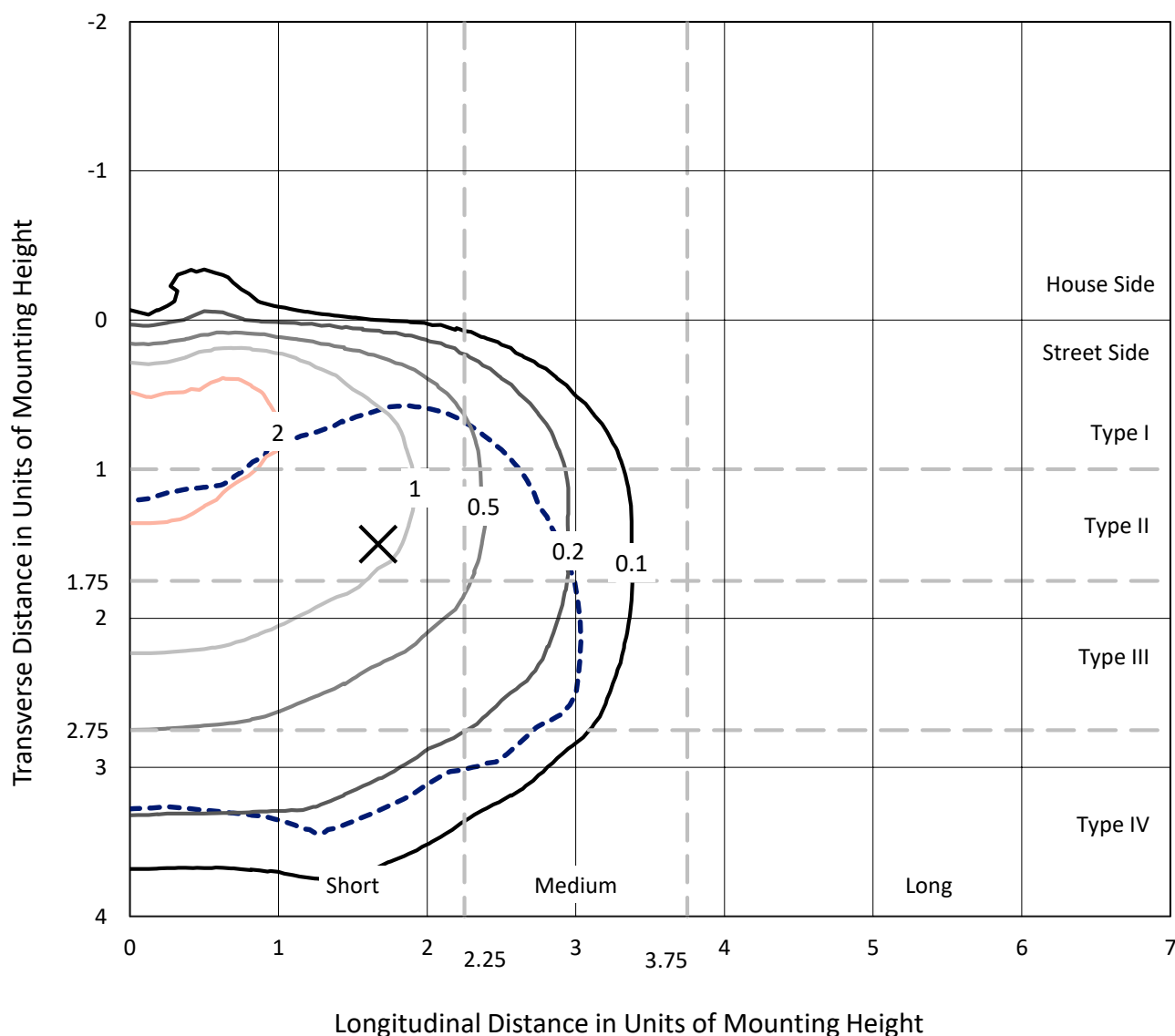
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

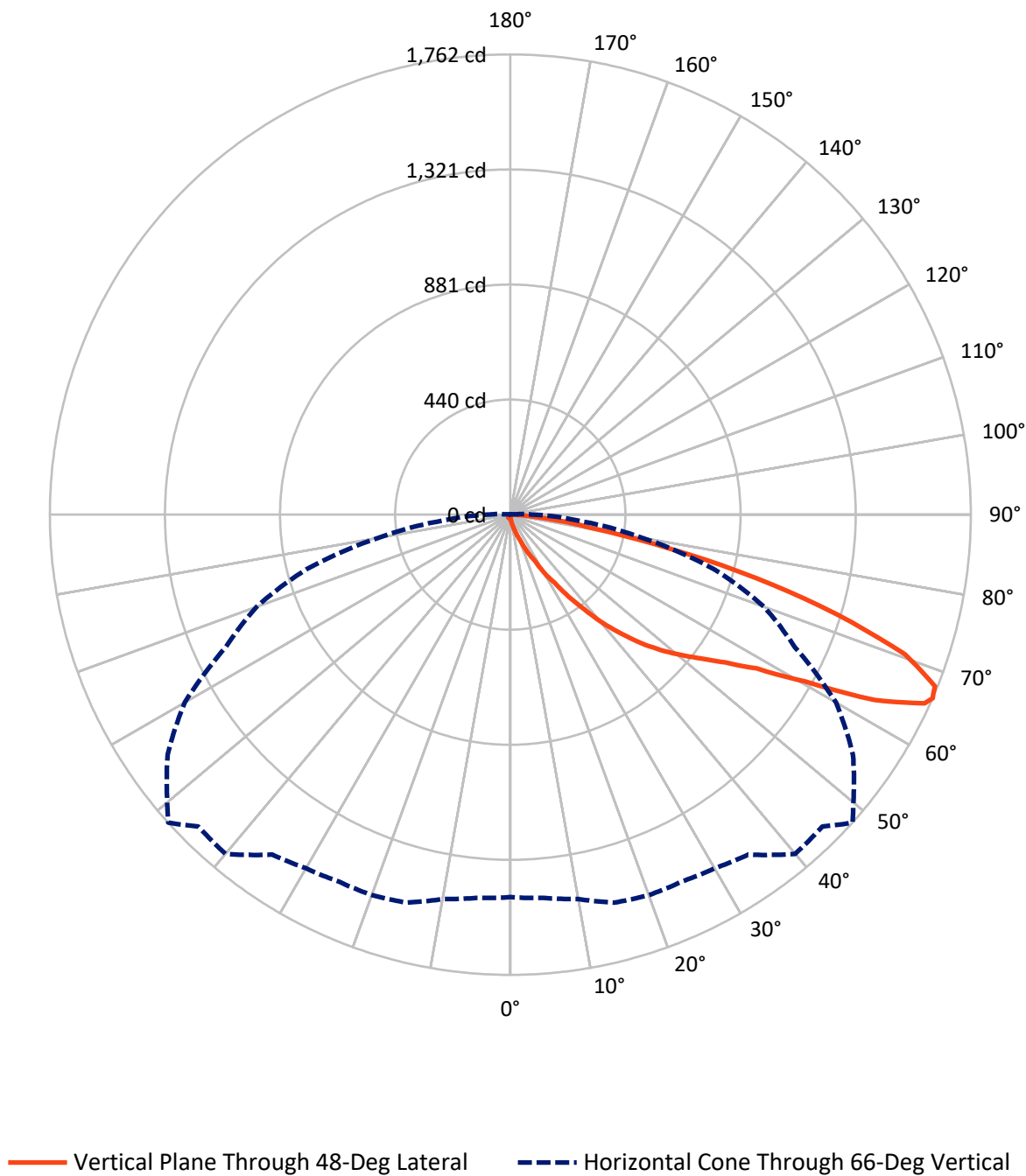


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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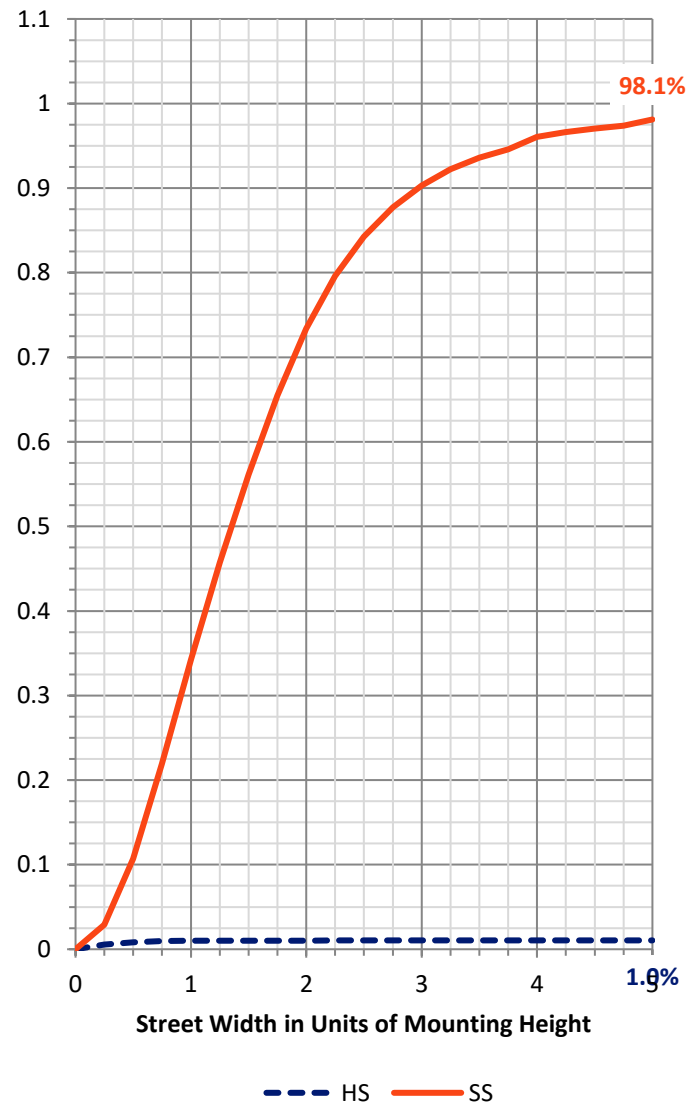
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.1	0.0	19.1
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	1763.4	0.0	1763.4
	% Fixture	98.9	0.0	98.9
Total	Lumens	1782.5	0.0	1782.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	11.1	0.6
20°-30°	42.3	2.4
30°-40°	118.6	6.7
40°-50°	230.3	12.9
50°-60°	377.3	21.2
60°-70°	615.0	34.5
70°-80°	346.6	19.4
80°-90°	39.6	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°	1782.5	100.0
0°-180°	1782.5	100.0

Coefficient of Utilization



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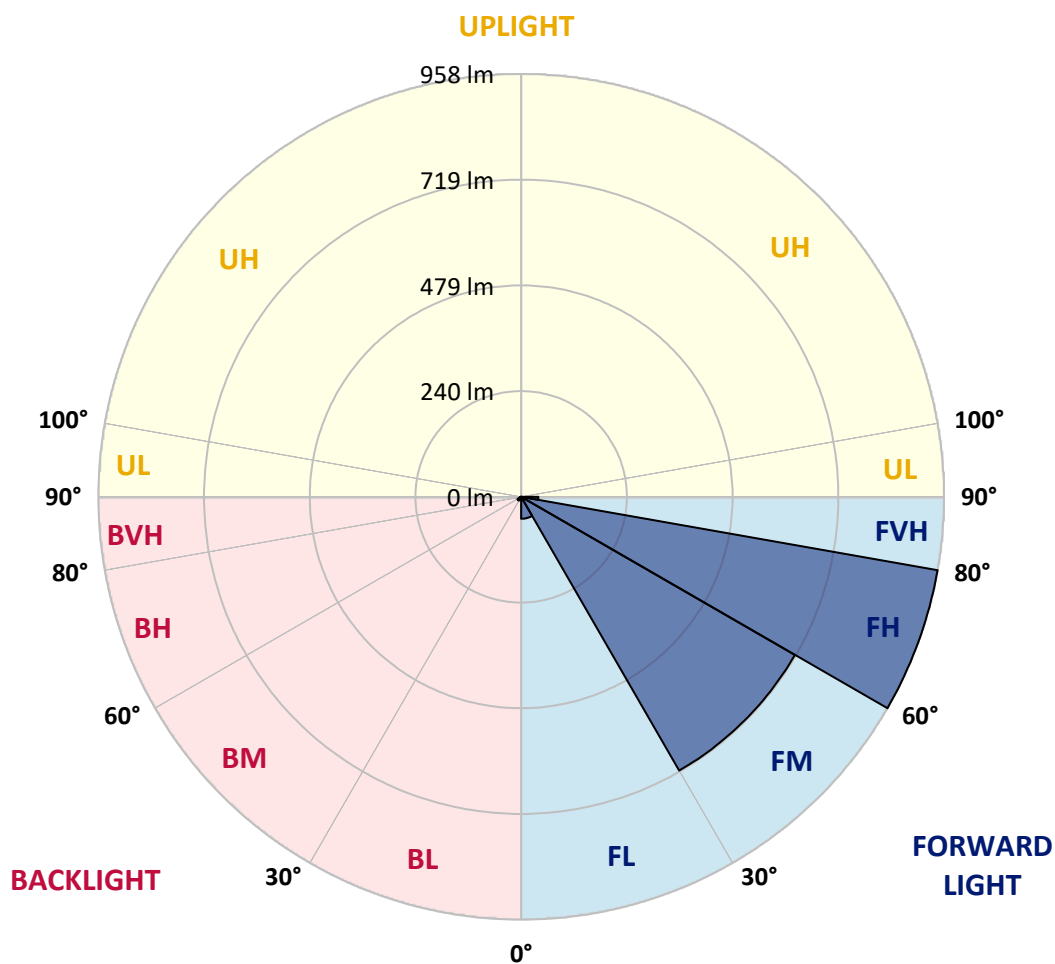
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.9	2.8			
FM	(30°-60°)	716.3	40.2			
FH	(60°-80°)	958.2	53.8			G1/1800
FVH	(80°-90°)	39.0	2.2			G1/100
BL	(0°-30°)	5.2	0.3	B0/110		
BM	(30°-60°)	9.8	0.6	B0/220		
BH	(60°-80°)	3.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	18.0	18.0	18.0	18.0	17.4	16.9	16.9	16.4	16.4	16.4	16.4
5°	26.2	26.2	24.6	24.1	23.1	22.6	21.5	21.0	20.5	19.5	19.5
7.5°	41.6	41.0	41.0	40.5	40.0	39.0	37.5	36.4	34.9	26.7	24.6
10°	52.8	53.4	52.3	51.8	48.7	47.2	45.1	43.1	42.6	39.0	36.9
12.5°	72.9	73.4	72.3	71.8	69.8	68.2	64.6	62.1	51.8	47.7	47.2
15°	104.1	104.1	99.0	88.8	85.7	82.1	76.4	75.4	75.9	69.3	60.5
17.5°	121.6	122.1	120.6	118.0	114.9	111.3	107.7	95.4	88.8	83.1	80.5
20°	165.7	165.7	162.6	157.5	139.0	131.9	131.3	125.2	120.6	106.2	100.6
22.5°	191.4	193.9	190.3	186.8	180.6	182.6	173.9	147.8	148.3	134.9	129.8
25°	251.4	251.9	246.3	242.2	240.1	209.3	201.1	205.2	189.3	172.4	168.3
27.5°	313.0	316.6	282.7	275.0	275.0	268.3	271.4	242.2	238.1	217.0	200.6
30°	359.1	360.7	355.0	341.7	336.6	335.0	308.3	310.4	285.3	252.9	263.7
32.5°	442.8	445.3	434.6	429.4	393.0	379.1	362.7	363.2	332.5	327.3	310.4
35°	544.3	546.9	533.1	489.5	483.3	463.8	454.6	418.7	413.0	386.3	386.3
37.5°	611.6	602.8	590.0	573.6	577.2	551.5	521.8	516.1	485.3	465.3	459.7
40°	661.8	664.4	663.4	655.2	637.2	613.1	603.4	589.5	564.4	544.3	546.9
42.5°	705.4	710.6	714.7	702.9	688.5	678.3	664.4	655.7	635.2	610.0	622.3
45°	749.1	753.2	761.9	754.7	744.4	742.9	709.6	717.8	701.3	681.3	701.9
47.5°	799.8	804.0	810.6	811.1	810.1	788.6	760.9	773.2	769.6	745.5	774.2
50°	856.8	857.3	869.1	877.3	861.4	844.5	817.8	824.0	829.6	811.1	844.5
52.5°	918.4	925.0	933.8	939.4	917.3	909.1	886.6	885.5	897.3	878.3	914.3
55°	1011.7	1014.8	1018.9	1021.0	992.2	995.3	962.5	959.4	976.9	956.3	998.9
57.5°	1129.2	1137.4	1146.2	1142.1	1112.3	1109.7	1065.1	1050.2	1080.5	1068.2	1110.2
60°	1307.8	1315.5	1322.1	1326.8	1310.3	1300.6	1231.8	1221.1	1271.9	1246.7	1297.0
62.5°	1494.5	1502.7	1510.4	1542.7	1525.8	1513.5	1471.4	1471.4	1533.5	1515.0	1563.3
65°	1492.0	1503.8	1521.2	1563.8	1571.5	1565.8	1564.3	1583.8	1680.2	1674.1	1741.8
66°	1464.3	1472.5	1494.5	1537.6	1549.9	1550.4	1563.3	1588.4	1695.1	1688.5	1761.8
67.5°	1399.6	1409.9	1433.5	1484.8	1497.6	1507.3	1540.7	1560.7	1680.8	1676.7	1752.1
70°	1253.4	1258.0	1280.1	1333.4	1364.2	1359.1	1409.4	1417.1	1533.5	1548.4	1601.8
72.5°	965.6	959.4	1026.6	1100.5	1150.8	1131.3	1167.7	1169.8	1268.8	1267.2	1309.8
75°	513.6	517.2	559.2	657.7	841.9	847.6	854.7	854.2	934.8	934.3	972.2
77.5°	324.8	333.5	349.4	379.1	471.5	538.7	564.9	554.1	589.5	601.8	621.3
80°	131.3	137.0	156.0	204.7	315.0	341.2	349.4	333.5	340.2	323.7	323.7
82.5°	43.6	44.1	50.3	63.6	161.6	225.7	232.4	196.5	193.4	187.8	187.8
85°	23.6	23.6	24.6	33.3	62.6	121.6	133.4	89.8	88.2	74.9	69.3
87.5°	2.1	2.6	2.1	5.6	9.7	18.5	21.5	22.6	25.7	29.2	23.6
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°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	16.4	16.4	16.4	16.9	16.9	16.4	15.9	14.4	13.9	12.8	11.8
5°	19.0	18.5	17.4	16.9	16.4	15.9	15.9	14.9	12.8	11.3	9.7
7.5°	24.1	21.5	20.0	19.0	17.4	15.9	15.4	15.4	12.3	10.3	9.2
10°	35.9	34.9	26.7	23.1	21.0	19.5	18.5	19.0	15.4	12.3	11.8
12.5°	46.2	43.6	39.0	30.8	24.1	22.1	20.0	18.0	15.4	12.3	10.8
15°	58.0	51.8	47.2	42.1	34.4	28.2	24.6	23.1	19.0	15.9	13.9
17.5°	78.0	75.9	58.5	51.3	44.1	31.8	27.7	22.6	20.0	15.4	13.9
20°	97.5	89.8	76.4	67.2	57.5	44.6	35.4	29.8	24.1	20.5	18.5
22.5°	123.6	116.5	102.1	80.0	68.2	56.9	40.5	35.4	27.7	23.1	20.5
25°	167.3	143.7	126.7	111.3	92.9	74.9	51.3	38.5	30.8	25.7	22.6
27.5°	201.1	187.3	166.2	142.1	108.8	86.7	64.6	44.1	34.4	28.2	24.1
30°	272.9	226.8	219.6	186.2	142.6	103.1	73.9	50.8	35.9	28.7	24.6
32.5°	317.1	301.7	265.8	229.3	187.3	138.5	92.9	56.4	38.5	29.2	26.2
35°	395.6	358.1	339.1	301.2	243.7	177.5	111.3	67.2	38.5	29.8	25.7
37.5°	476.6	437.1	400.7	361.7	294.5	211.4	134.4	75.9	41.0	28.2	24.1
40°	542.8	504.8	455.1	417.1	337.1	246.8	162.1	81.6	39.5	27.2	22.1
42.5°	617.7	572.6	518.2	477.1	386.3	295.0	184.7	95.9	40.5	26.2	20.0
45°	688.0	639.3	584.4	526.9	434.0	341.2	210.9	104.1	44.1	25.7	18.0
47.5°	753.7	702.4	650.6	570.0	493.0	389.9	250.9	124.2	47.2	24.1	16.4
50°	812.7	763.9	706.5	615.2	541.3	426.3	289.4	138.5	50.8	22.1	14.9
52.5°	879.9	829.6	754.7	662.9	585.9	473.0	323.7	158.0	55.4	20.0	13.3
55°	963.0	899.9	827.6	741.4	638.2	533.1	362.7	176.5	61.6	18.0	11.8
57.5°	1066.1	1012.8	938.9	837.8	716.7	592.1	409.9	200.1	67.2	16.4	10.8
60°	1253.9	1184.6	1114.9	995.8	833.7	686.5	466.9	230.9	76.4	14.9	9.7
62.5°	1520.2	1444.8	1331.9	1159.5	986.1	775.7	522.8	261.7	86.7	13.3	9.2
65°	1689.5	1585.8	1435.0	1210.8	1042.0	816.8	527.4	261.1	87.7	12.3	8.2
66°	1713.6	1600.7	1438.6	1201.6	1033.8	806.5	515.1	257.6	86.2	11.3	7.7
67.5°	1711.0	1586.4	1411.9	1163.1	992.8	770.1	475.1	239.6	81.6	10.8	7.2
70°	1577.1	1453.0	1268.8	1030.2	868.1	665.4	408.4	205.7	69.8	9.2	6.2
72.5°	1309.8	1192.3	1025.6	816.8	699.8	526.4	313.0	161.6	54.9	7.7	5.1
75°	967.6	855.3	728.5	567.4	460.7	333.0	195.0	104.7	35.9	6.2	4.1
77.5°	603.9	508.9	386.3	288.8	215.0	138.5	68.7	35.4	15.4	5.1	3.1
80°	318.6	259.6	187.3	135.4	99.5	62.1	31.8	16.4	8.2	4.1	2.1
82.5°	183.7	154.4	114.4	85.2	66.7	43.6	23.6	13.3	6.2	2.6	1.5
85°	66.2	56.9	63.6	48.2	36.4	24.1	16.9	10.8	4.1	2.1	1.5
87.5°	24.6	20.0	18.0	15.4	14.9	14.9	13.9	8.2	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°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
2.5°	11.3	10.3	10.3	9.7	9.7	9.2	9.2	9.2	9.2	9.2	9.7
5°	9.2	8.7	8.7	8.7	8.2	8.2	9.2	9.7	10.3	10.8	10.3
7.5°	9.2	8.7	8.2	8.7	9.7	7.7	6.2	5.6	5.1	5.6	5.6
10°	10.3	9.7	10.8	7.2	5.1	4.6	5.1	5.1	5.1	6.7	8.2
12.5°	10.3	10.8	8.2	7.2	7.2	6.7	8.2	7.2	7.2	7.2	7.2
15°	13.9	10.3	8.7	7.7	8.7	9.2	9.2	8.7	7.7	7.2	8.7
17.5°	11.8	10.8	10.3	12.3	11.3	9.7	8.7	9.7	10.3	9.2	8.2
20°	16.4	14.9	14.4	12.3	11.3	11.3	11.8	9.7	9.2	9.2	10.3
22.5°	17.4	15.9	16.4	15.4	14.9	11.8	11.3	10.8	10.8	9.7	9.7
25°	21.0	21.5	19.0	16.4	14.9	13.9	12.8	10.8	10.8	9.7	10.3
27.5°	22.6	21.0	19.0	18.0	16.4	13.3	12.8	11.3	10.3	10.3	9.2
30°	23.6	21.5	20.0	18.0	15.9	14.4	12.8	10.8	9.7	9.7	9.2
32.5°	25.1	22.6	19.0	16.9	15.4	12.8	12.3	10.3	9.2	8.2	8.2
35°	23.1	20.5	18.0	15.9	13.3	11.8	10.8	9.7	8.2	7.7	7.2
37.5°	20.5	18.0	15.9	13.9	12.3	10.8	9.7	8.2	7.2	6.7	6.2
40°	18.5	15.4	13.9	11.8	10.8	9.2	8.2	6.7	5.6	5.1	4.6
42.5°	16.4	13.3	11.8	10.3	8.7	7.7	6.7	5.1	4.1	3.6	3.1
45°	14.4	11.8	9.7	8.7	7.2	6.2	5.1	3.6	2.6	2.1	1.5
47.5°	12.8	10.3	8.7	7.2	6.2	4.6	3.6	2.1	1.5	1.0	0.5
50°	11.3	8.7	7.2	6.2	4.6	3.6	2.6	1.5	1.0	0.5	0.5
52.5°	9.7	7.7	6.7	5.1	4.1	2.6	1.5	1.0	0.5	0.5	0.0
55°	8.7	7.2	5.6	4.1	3.1	2.1	1.0	0.5	0.5	0.0	0.0
57.5°	8.2	6.7	4.6	3.1	2.6	1.5	1.0	0.5	0.5	0.0	0.0
60°	7.7	5.6	3.6	2.6	2.1	1.0	0.5	0.5	0.5	0.0	0.0
62.5°	7.2	4.6	3.1	2.1	1.5	1.0	0.5	0.5	0.5	0.5	0.0
65°	5.6	3.6	2.1	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5
66°	5.1	3.1	2.1	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5
67.5°	4.6	3.1	1.5	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5
70°	3.6	2.1	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
72.5°	3.1	2.1	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
75°	2.6	1.5	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
77.5°	2.1	1.5	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
80°	1.5	1.5	1.0	1.0	1.0	1.0	0.5	1.0	1.0	0.5	0.5
82.5°	1.5	1.0	1.0	1.0	1.0	1.5	0.5	1.0	1.0	1.0	1.0
85°	1.5	1.0	1.0	1.5	1.5	1.5	0.5	1.5	1.5	1.5	1.0
87.5°	1.5	1.5	1.5	1.5	2.1	2.1	1.0	2.1	2.1	2.1	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°	13.9	13.9	13.9	13.9	13.9
2.5°	9.7	10.3	10.3	10.3	10.3
5°	10.3	9.2	9.7	9.7	9.7
7.5°	6.2	6.2	6.2	6.2	6.2
10°	8.7	8.7	8.7	8.7	8.7
12.5°	7.7	8.2	8.2	8.2	8.2
15°	9.2	9.7	9.7	9.7	10.3
17.5°	8.2	8.2	9.2	8.7	9.2
20°	9.7	9.7	9.7	9.7	9.7
22.5°	8.7	8.7	9.7	10.3	10.3
25°	9.7	9.2	9.2	9.2	9.2
27.5°	9.2	9.7	9.7	9.7	9.7
30°	8.7	8.2	8.7	8.7	9.2
32.5°	8.2	8.2	8.2	8.2	8.2
35°	7.2	7.2	7.2	7.7	7.7
37.5°	5.6	5.6	6.2	6.2	6.2
40°	4.6	4.1	4.1	4.6	4.6
42.5°	3.1	2.6	2.6	2.6	2.6
45°	1.5	1.0	1.0	1.0	1.0
47.5°	0.5	0.5	0.5	0.5	0.5
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°	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.0
85°	1.0	1.0	1.0	1.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)