

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: P179351

Luminaire Tested: **UTLD-E01-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179351
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1463.1 lumens
Efficiency: N/A
Efficacy: 59.2 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

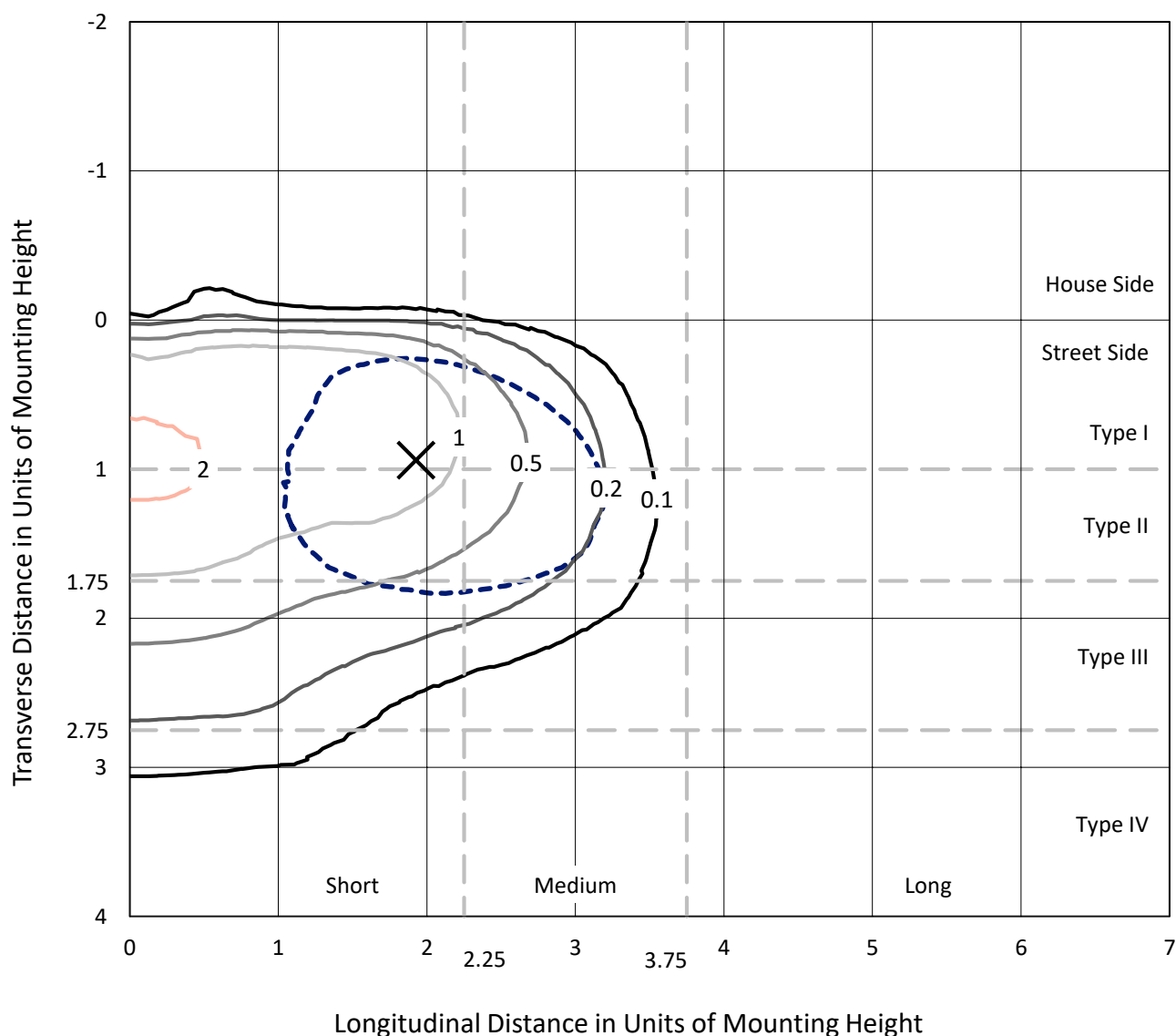


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

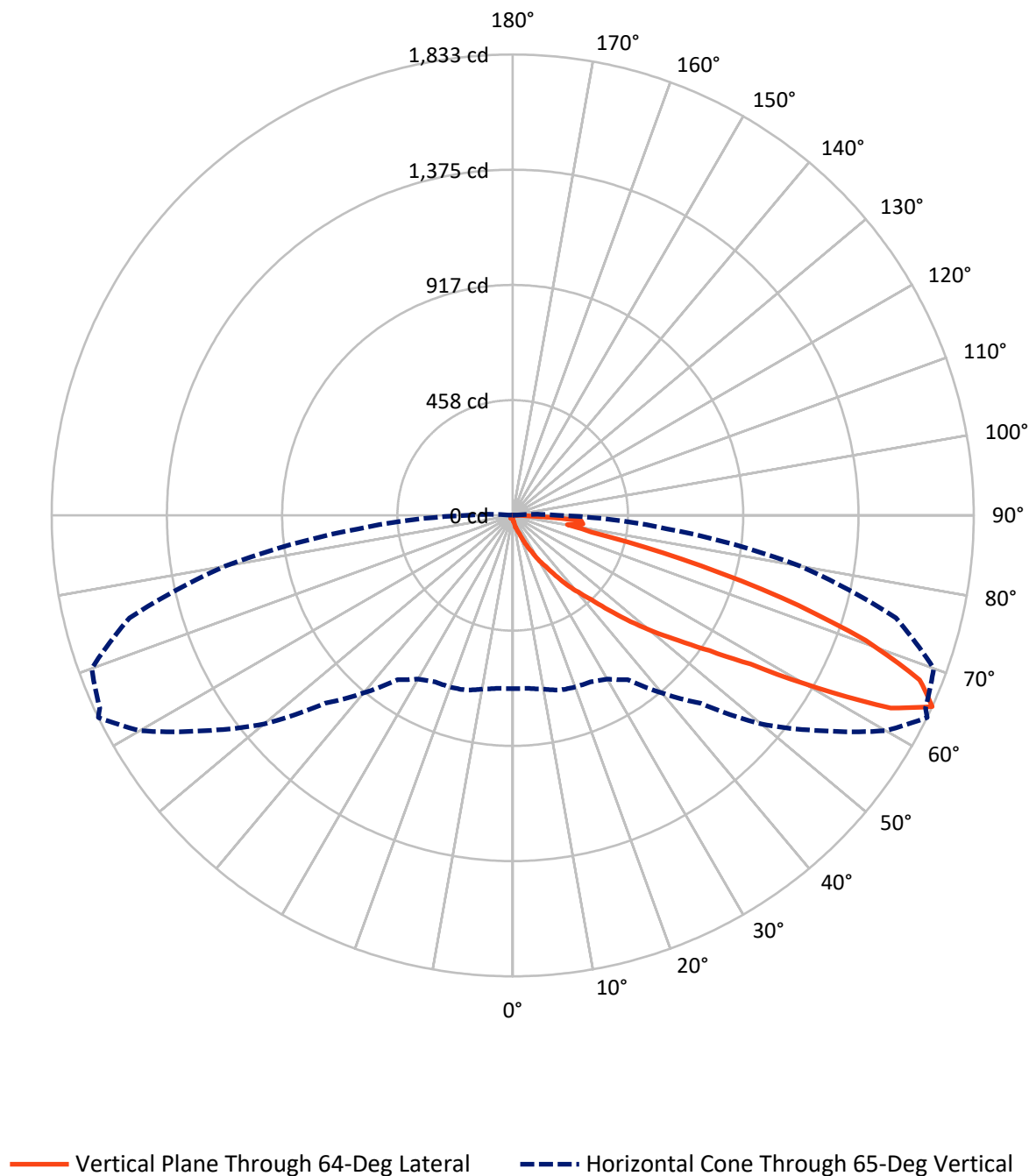


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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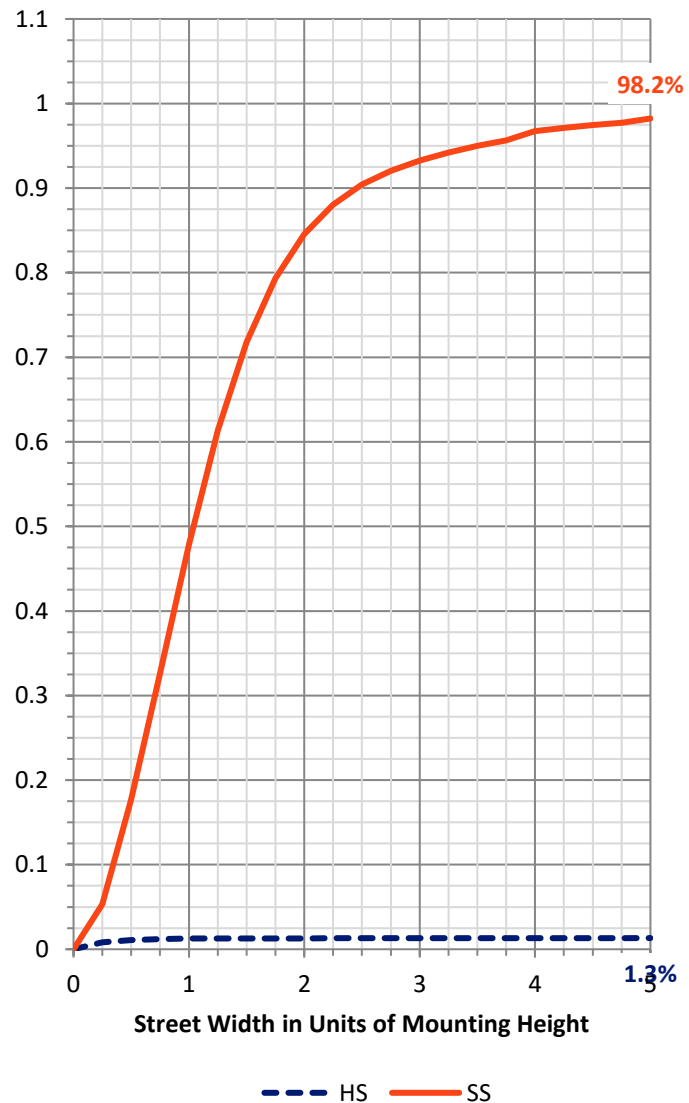
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.9	0.0	19.9
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1443.2	0.0	1443.2
	% Fixture	98.6	0.0	98.6
Total	Lumens	1463.1	0.0	1463.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	12.6	0.9
20°-30°	39.7	2.7
30°-40°	96.3	6.6
40°-50°	204.2	14.0
50°-60°	367.6	25.1
60°-70°	492.3	33.6
70°-80°	212.8	14.5
80°-90°	35.7	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°	1463.1	100.0
0°-180°	1463.1	100.0

Coefficient of Utilization



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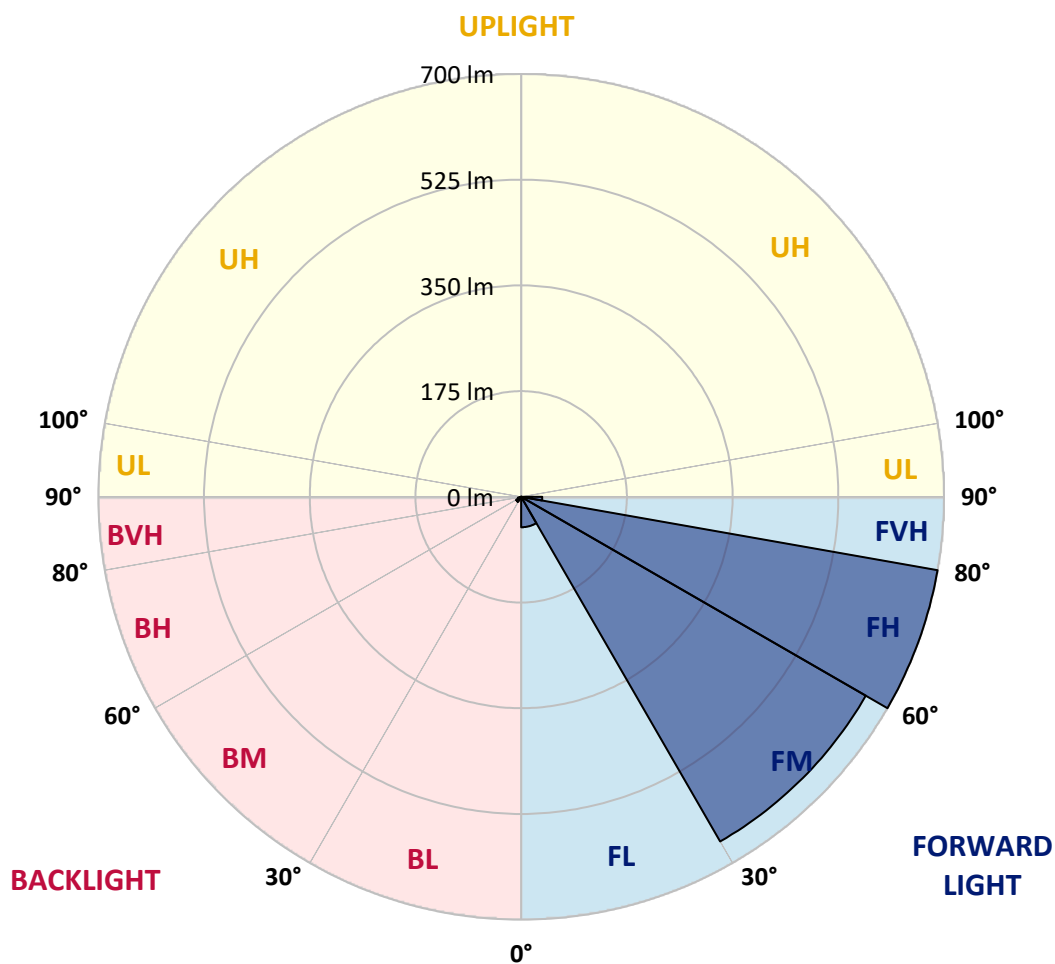
CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.3	3.4			
FM	(30°-60°)	658.4	45.0			
FH	(60°-80°)	699.6	47.8			G1/1800
FVH	(80°-90°)	34.9	2.4			G1/100
BL	(0°-30°)	3.8	0.3	B0/110		
BM	(30°-60°)	9.7	0.7	B0/220		
BH	(60°-80°)	5.5	0.4	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	21.0	21.0	20.5	21.0	20.5	20.0	20.0	19.5	19.5	19.0	19.0
5°	30.8	30.8	30.3	29.2	28.2	27.7	27.2	25.7	25.1	24.6	23.6
7.5°	54.9	54.9	53.9	52.8	52.3	51.3	50.3	48.2	46.2	34.4	29.8
10°	70.3	69.3	68.2	66.2	65.7	63.1	60.5	59.0	56.9	51.8	48.2
12.5°	98.5	98.0	97.0	97.5	94.4	92.3	88.2	84.7	67.7	63.6	62.1
15°	129.8	121.6	113.9	106.7	104.7	102.6	96.5	97.0	101.1	92.3	72.3
17.5°	132.9	133.4	132.4	132.4	129.3	127.8	131.3	113.9	110.8	103.1	97.5
20°	167.3	167.8	166.7	156.0	141.1	136.0	143.7	138.5	138.5	126.2	118.5
22.5°	175.0	176.5	175.0	174.4	170.8	179.6	173.9	150.3	159.0	148.3	142.6
25°	212.4	213.4	212.9	208.3	215.0	188.8	184.7	196.0	185.2	172.4	178.0
27.5°	252.4	251.4	228.3	220.6	223.7	220.6	232.4	213.4	223.2	210.9	202.1
30°	271.4	272.9	270.9	262.2	262.2	270.4	249.3	257.0	249.9	231.4	262.2
32.5°	326.3	328.4	322.2	320.7	297.1	288.8	281.7	289.4	271.4	284.7	292.4
35°	390.9	392.0	382.7	343.2	342.7	333.0	331.4	313.5	322.7	312.4	341.2
37.5°	444.8	442.3	427.4	408.4	409.4	389.4	368.4	369.9	355.0	356.1	383.3
40°	516.1	515.1	504.3	488.9	466.4	441.2	428.4	422.2	410.4	402.2	427.9
42.5°	582.3	589.0	584.4	564.4	531.0	519.7	488.9	476.6	473.0	459.7	480.7
45°	664.4	663.9	663.4	643.4	621.8	598.2	552.6	545.9	539.7	538.2	561.3
47.5°	726.0	726.5	728.5	715.2	700.3	667.0	621.8	620.3	623.9	620.3	649.5
50°	767.5	772.1	779.8	776.8	756.8	734.2	706.0	700.8	705.4	703.4	750.1
52.5°	795.2	800.9	810.1	815.8	794.2	784.5	772.7	766.0	788.0	788.6	841.9
55°	806.0	812.2	821.4	832.7	816.3	818.3	813.7	812.7	848.1	856.3	926.6
57.5°	797.3	802.9	813.2	827.0	822.4	839.4	829.6	834.2	889.1	910.7	1001.5
60°	774.2	779.3	790.6	813.7	807.5	827.6	822.9	845.0	916.3	964.0	1088.2
62.5°	735.7	741.9	754.2	776.2	779.3	796.8	801.4	838.8	934.8	1017.9	1204.1
65°	688.5	690.1	701.3	719.3	726.5	730.1	751.1	796.8	920.9	1055.9	1290.8
67.5°	617.2	620.8	628.0	638.8	644.4	625.4	642.9	690.1	814.7	976.3	1226.7
70°	437.6	437.1	453.0	499.2	513.1	470.5	469.4	498.7	600.8	755.2	981.5
72.5°	298.6	302.2	309.4	323.7	367.9	354.5	349.9	334.5	374.5	460.2	648.5
75°	227.3	228.8	258.6	282.7	312.4	326.3	335.0	316.6	301.7	288.3	371.5
77.5°	77.5	84.1	98.5	134.9	210.9	257.0	285.8	312.4	330.4	316.6	306.8
80°	16.9	17.4	19.5	26.2	73.9	132.9	166.7	212.9	265.2	295.0	320.7
82.5°	7.2	7.7	9.2	11.3	17.4	49.3	69.3	80.0	108.3	143.1	233.4
85°	2.6	2.6	3.1	4.1	6.7	12.3	18.5	20.0	30.8	45.1	76.4
87.5°	1.0	1.0	1.0	1.5	2.1	3.1	3.6	4.1	5.1	10.8	25.7
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	19.0	18.5	18.5	18.5	18.0	16.4	15.4	13.3	12.3	11.3	10.8
5°	22.6	21.0	20.0	20.0	18.5	18.0	17.4	14.9	11.8	10.3	9.2
7.5°	27.2	25.1	23.6	23.1	21.0	18.5	17.4	15.9	11.8	9.7	8.7
10°	45.7	32.3	29.8	28.7	25.7	22.6	20.5	19.5	14.4	11.3	10.3
12.5°	58.0	51.3	46.2	40.5	30.3	27.2	23.1	19.5	14.9	11.3	9.2
15°	67.2	60.0	52.8	52.3	43.1	34.9	28.2	24.6	17.4	14.4	11.8
17.5°	97.0	74.9	65.2	64.6	54.9	38.5	32.3	24.1	19.0	13.9	11.3
20°	110.3	93.9	78.5	81.1	71.3	56.4	41.0	31.3	22.6	18.5	14.9
22.5°	141.6	127.2	109.8	98.5	82.6	66.7	45.1	34.9	25.7	19.0	15.4
25°	164.2	145.7	139.0	137.5	113.9	89.8	60.0	41.0	28.7	21.0	18.5
27.5°	203.2	189.3	166.7	164.2	129.8	98.5	75.4	48.7	31.8	23.1	19.5
30°	228.8	218.6	210.9	205.2	162.6	118.5	85.7	55.4	34.4	24.1	20.0
32.5°	279.1	259.6	242.7	234.0	206.2	149.8	103.6	63.6	37.5	25.7	22.1
35°	320.1	318.1	293.5	291.4	251.4	191.4	126.2	74.4	39.0	26.2	21.5
37.5°	374.0	362.2	350.4	344.3	306.8	235.0	154.4	91.3	45.7	27.2	21.5
40°	417.1	405.3	400.7	395.1	345.8	277.6	190.9	99.5	46.7	27.7	21.0
42.5°	472.0	453.5	457.6	451.5	399.2	334.5	227.3	119.0	50.3	27.7	20.0
45°	541.8	532.0	536.7	526.4	474.6	407.4	265.2	138.5	55.4	27.2	18.5
47.5°	631.1	625.4	630.5	612.6	573.1	503.3	344.8	173.9	62.1	26.7	17.4
50°	726.0	734.2	727.0	710.1	693.1	605.9	437.6	217.5	71.8	25.7	16.4
52.5°	837.3	838.3	825.5	825.0	825.5	739.8	534.6	269.9	84.1	24.6	15.4
55°	943.0	955.8	949.1	956.8	968.6	909.6	653.6	329.9	101.1	23.1	14.4
57.5°	1051.2	1096.9	1115.4	1139.5	1162.1	1129.7	814.2	417.1	121.6	21.5	13.3
60°	1191.3	1315.5	1394.5	1423.7	1442.7	1376.5	1022.5	528.4	151.4	20.0	11.8
62.5°	1372.4	1571.0	1687.4	1721.3	1695.6	1557.1	1143.6	611.6	175.5	19.0	10.3
65°	1492.0	1712.1	1833.1	1811.6	1781.3	1577.6	1160.5	619.3	180.6	16.9	9.2
67.5°	1421.2	1624.3	1745.4	1713.1	1691.0	1475.0	1040.5	570.5	168.3	14.4	8.2
70°	1177.5	1383.2	1489.4	1462.7	1478.6	1251.8	851.2	483.3	149.3	12.3	7.2
72.5°	846.0	1007.6	1116.4	1100.0	1142.6	899.9	627.0	380.2	124.2	10.3	6.2
75°	516.6	664.9	691.1	665.9	635.7	459.2	302.7	206.8	80.0	7.7	4.6
77.5°	316.0	362.7	320.1	324.2	255.5	114.9	56.9	42.6	22.6	6.2	3.1
80°	301.2	272.4	220.1	213.9	147.2	44.6	25.1	19.0	9.7	4.6	2.6
82.5°	314.5	329.9	281.7	260.6	156.0	39.5	20.5	15.4	7.7	3.6	2.1
85°	130.3	294.0	272.9	248.8	144.2	30.8	16.4	11.3	5.1	2.6	2.1
87.5°	50.8	84.1	77.5	69.3	45.7	15.4	12.8	9.2	3.6	2.1	2.1
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	10.3	9.7	9.2	9.2	8.7	8.7	8.2	8.2	8.2	8.2	8.2
5°	8.7	8.2	7.7	7.2	6.7	6.7	7.2	7.7	7.7	8.2	7.7
7.5°	7.7	7.2	6.2	6.7	6.7	5.6	4.1	3.6	3.6	4.1	4.1
10°	8.2	7.2	7.7	4.6	3.6	3.1	3.6	3.6	3.6	4.6	5.6
12.5°	8.2	8.7	6.2	5.6	5.1	4.6	5.6	5.1	4.6	5.1	5.1
15°	10.8	7.7	6.7	5.6	6.2	6.7	6.2	5.6	5.1	5.1	5.6
17.5°	9.2	8.2	7.7	8.7	8.2	6.7	6.2	6.7	6.7	6.2	5.6
20°	12.3	10.8	10.3	8.7	7.7	7.7	7.7	6.7	6.2	6.2	6.7
22.5°	13.9	11.8	11.8	10.8	9.7	7.7	7.7	7.2	7.2	6.7	6.2
25°	16.4	15.4	13.3	10.8	10.3	9.2	8.7	7.2	7.2	6.7	6.7
27.5°	17.4	15.4	13.3	12.3	10.8	8.7	8.7	7.2	6.7	6.7	6.2
30°	18.5	15.9	13.9	12.3	10.8	9.2	8.7	7.2	6.7	6.2	6.2
32.5°	19.5	16.4	13.3	11.8	10.3	8.7	8.2	7.2	6.2	5.6	5.6
35°	18.5	15.4	13.3	11.8	9.7	8.2	7.7	6.7	5.6	5.6	5.1
37.5°	17.4	14.4	12.3	10.8	9.2	7.7	6.7	5.6	5.1	4.6	4.6
40°	16.4	13.3	11.3	9.7	8.2	7.2	6.2	4.6	4.1	3.6	3.6
42.5°	14.9	12.3	10.3	8.7	7.2	5.6	5.1	4.1	3.1	2.6	2.6
45°	14.4	11.3	9.2	7.7	6.2	5.1	4.1	3.1	2.1	1.5	1.5
47.5°	13.3	10.3	8.2	6.7	5.1	4.1	3.1	2.1	1.5	1.0	1.0
50°	12.3	9.7	7.2	5.6	4.1	3.1	2.1	1.5	1.0	0.5	0.5
52.5°	11.3	8.7	6.2	4.6	3.6	2.6	1.5	1.0	0.5	0.5	0.0
55°	10.3	7.2	5.6	4.1	2.6	1.5	1.0	0.5	0.5	0.0	0.0
57.5°	8.7	6.2	4.6	3.1	2.1	1.0	0.5	0.5	0.5	0.0	0.0
60°	7.7	5.1	3.6	2.6	1.5	1.0	0.5	0.5	0.0	0.0	0.0
62.5°	6.7	4.6	3.1	2.1	1.0	0.5	0.5	0.5	0.0	0.0	0.0
65°	5.6	3.6	2.6	1.5	1.0	0.5	0.5	0.5	0.5	0.0	0.0
67.5°	5.1	3.1	2.1	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.0
70°	4.6	2.6	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	3.6	2.1	1.5	1.0	1.0	0.5	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	1.0	1.0	1.0	1.0
80°	1.5	1.0	1.0	1.5	1.5	1.5	0.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.5	1.5	1.5	1.5	1.0
85°	1.5	1.5	1.5	1.5	2.1	2.1	0.5	2.1	2.1	1.5	1.5
87.5°	2.1	1.5	2.1	2.1	2.1	2.6	0.5	2.1	2.1	2.1	2.1
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):

	160°	165°	170°	175°	180°
0°	12.8	12.8	12.8	12.8	12.8
2.5°	8.2	8.7	8.7	8.7	8.7
5°	7.2	6.7	6.7	6.7	6.7
7.5°	4.1	4.1	4.6	4.6	4.6
10°	6.2	6.2	6.2	6.2	6.2
12.5°	5.1	5.6	5.6	5.6	5.6
15°	6.2	6.2	6.7	6.7	6.7
17.5°	5.6	5.6	6.2	6.2	6.2
20°	6.2	6.7	6.7	6.7	6.7
22.5°	5.6	5.6	6.7	6.7	7.2
25°	6.7	6.2	6.2	6.7	6.2
27.5°	6.2	6.2	6.7	6.7	6.7
30°	6.2	5.6	5.6	6.2	6.2
32.5°	5.6	5.6	5.6	5.6	5.6
35°	5.1	5.1	5.6	5.6	5.6
37.5°	4.6	4.1	4.6	4.6	4.6
40°	3.6	3.6	3.6	4.1	4.1
42.5°	2.6	2.6	2.6	2.6	2.6
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.0	0.5	1.0	1.0	1.0
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.0	0.5	0.5	0.5	0.5
55°	0.0	0.5	0.5	0.5	0.5
57.5°	0.0	0.0	0.5	0.5	0.5
60°	0.0	0.0	0.5	0.5	0.5
62.5°	0.0	0.0	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	1.0	0.5	0.5
77.5°	1.0	1.0	1.0	1.0	0.5
80°	1.0	1.0	1.0	1.0	0.5
82.5°	1.0	1.0	1.5	1.0	0.5
85°	1.5	1.5	1.5	1.5	0.5
87.5°	1.5	1.5	2.1	2.1	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)