

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: P179323

Luminaire Tested: **UTLD-F01-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179323
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
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-T2-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1003.1 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - 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



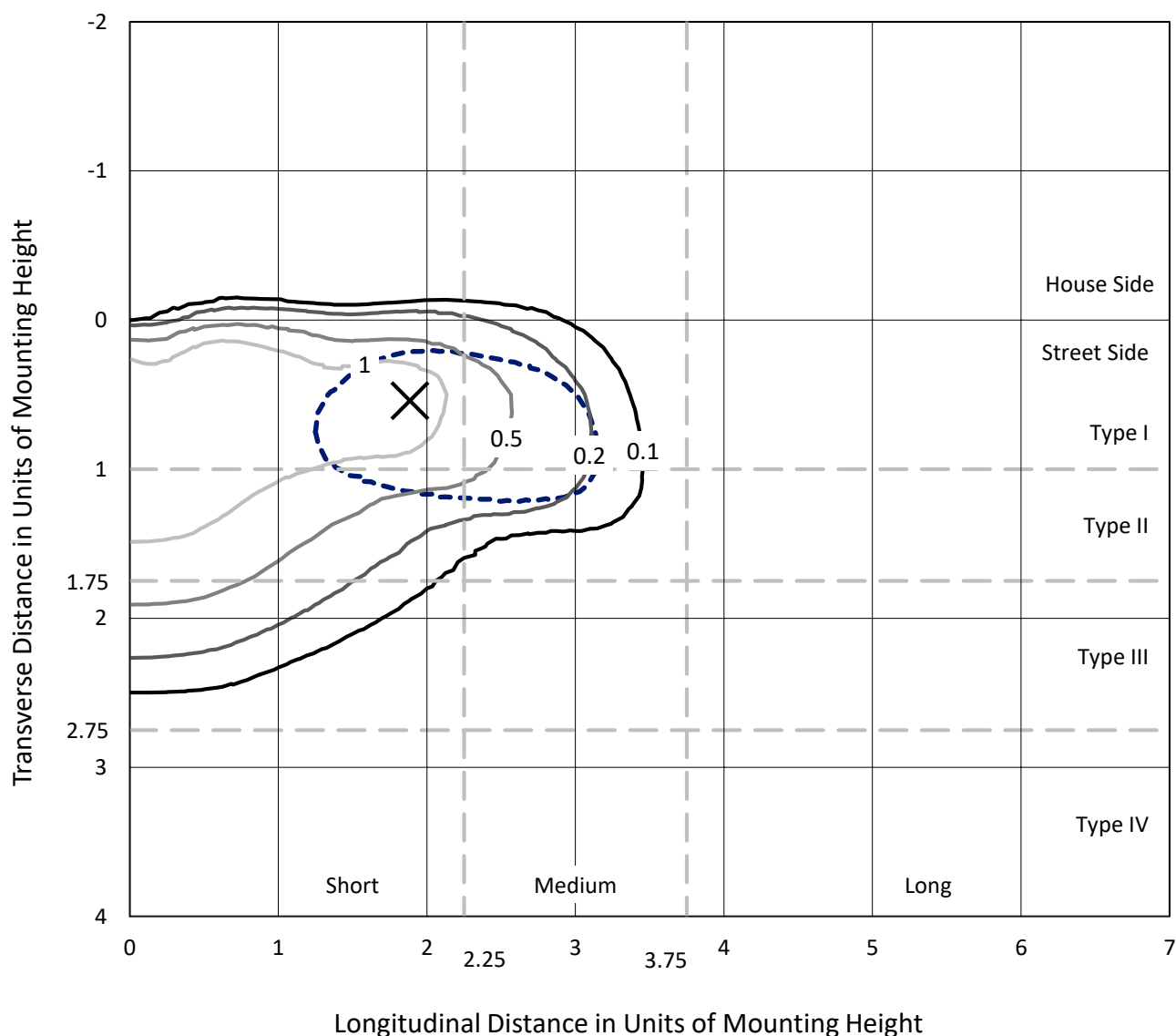
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

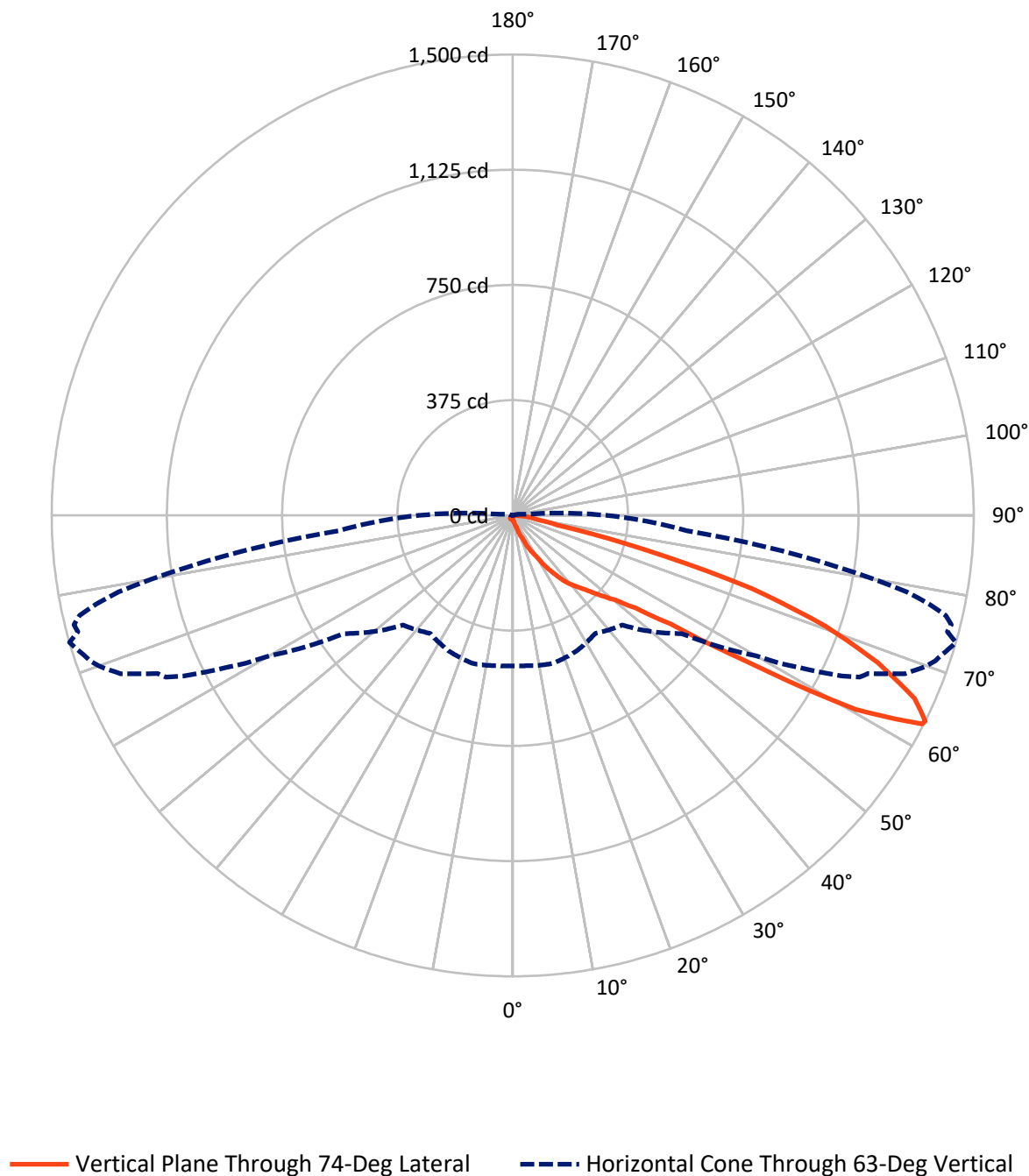


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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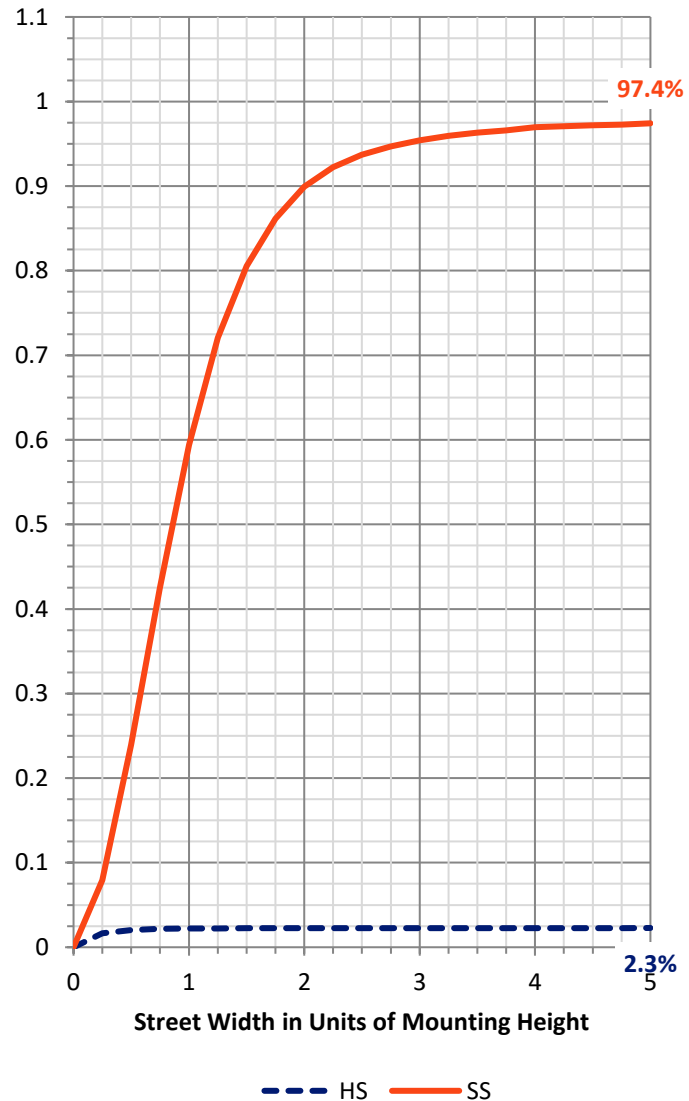
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.3	0.0	23.3
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	979.9	0.0	979.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	1003.1	0.0	1003.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.2
10°-20°	11.5	1.2
20°-30°	37.4	3.7
30°-40°	89.5	8.9
40°-50°	168.0	16.8
50°-60°	264.1	26.3
60°-70°	310.2	30.9
70°-80°	106.5	10.6
80°-90°	14.1	1.4
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°	1003.1	100.0
0°-180°	1003.1	100.0

Coefficient of Utilization



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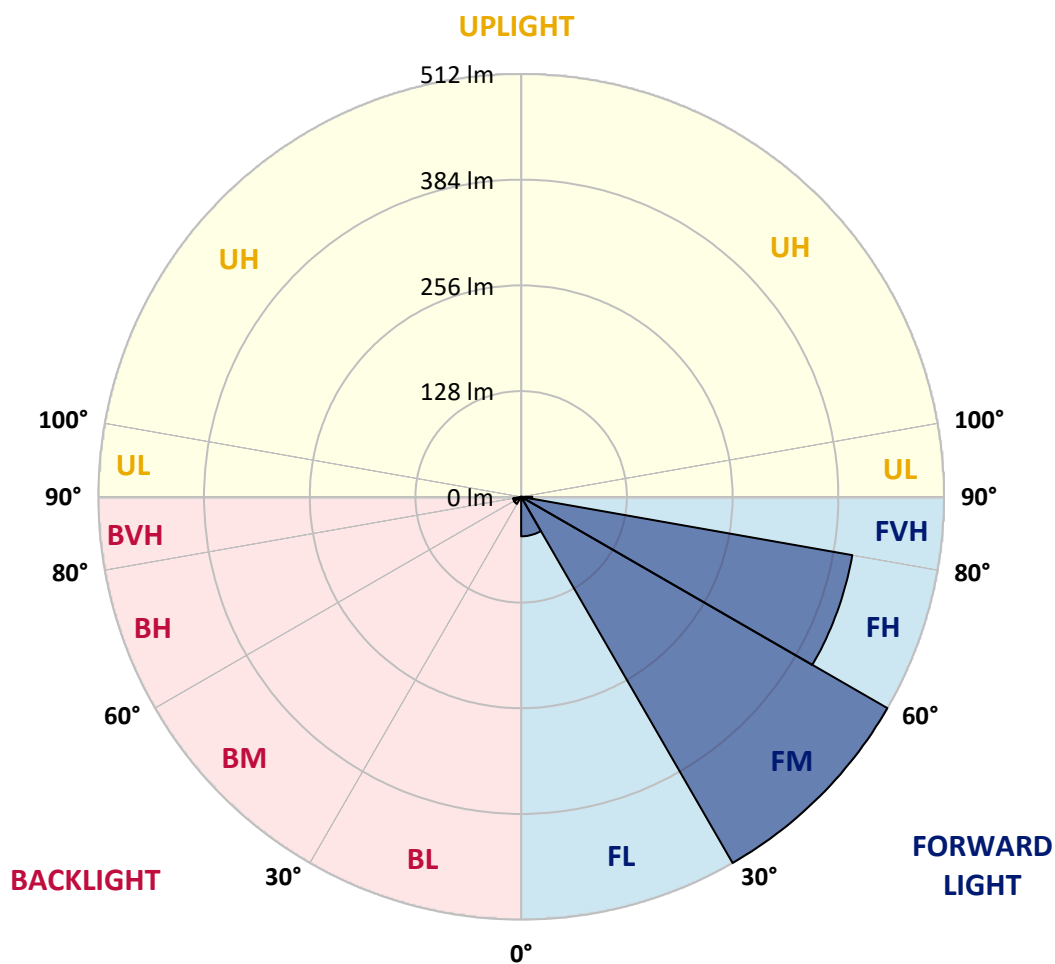
CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.8	4.8			
FM	(30°-60°)	511.7	51.0			
FH	(60°-80°)	406.9	40.6			G0/660
FVH	(80°-90°)	13.5	1.3			G1/100
BL	(0°-30°)	2.8	0.3	B0/110		
BM	(30°-60°)	10.0	1.0	B0/220		
BH	(60°-80°)	9.8	1.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
2.5°	19.2	18.8	18.1	17.4	17.1	16.4	16.0	15.3	15.3	15.0	15.3
5°	27.9	26.5	25.1	24.0	23.0	21.9	19.9	18.5	18.1	18.1	17.4
7.5°	52.6	50.5	49.1	47.0	43.2	32.7	24.4	22.6	22.3	21.9	21.3
10°	59.9	59.6	58.9	56.4	53.3	47.7	42.2	28.9	28.2	27.2	27.5
12.5°	86.0	85.0	85.7	81.2	74.6	61.0	55.4	49.5	48.1	47.0	43.2
15°	117.7	116.0	93.7	90.6	84.7	84.0	63.8	57.1	55.7	53.3	50.9
17.5°	124.7	125.8	124.0	116.7	103.8	93.0	90.9	72.5	70.4	69.3	66.5
20°	160.6	160.6	153.6	126.8	127.2	116.4	105.2	92.3	83.3	81.2	84.0
22.5°	165.8	166.5	164.4	166.5	136.6	137.6	138.7	131.0	127.9	124.0	119.1
25°	194.0	195.1	190.2	170.7	176.6	159.9	160.6	150.8	146.0	154.0	152.6
27.5°	220.5	221.2	193.3	193.0	186.7	192.6	201.0	192.3	189.9	186.4	179.8
30°	232.0	233.4	224.7	233.1	222.3	209.7	220.5	233.1	230.6	224.7	226.4
32.5°	281.8	282.5	277.6	250.8	250.1	250.5	266.5	257.8	254.7	247.7	248.7
35°	343.1	342.8	304.5	298.2	280.8	291.6	292.3	300.6	289.8	297.5	290.2
37.5°	392.3	390.2	365.1	358.5	335.5	326.1	332.7	326.8	319.5	325.7	323.3
40°	435.5	437.5	426.1	399.6	386.3	372.4	370.7	354.3	361.3	356.0	355.3
42.5°	469.6	473.1	466.1	440.7	422.2	419.8	412.5	392.3	403.4	393.7	395.0
45°	511.8	510.7	497.8	471.3	458.8	461.9	466.5	450.8	451.5	448.0	440.0
47.5°	551.8	551.5	543.5	506.2	490.5	498.5	524.6	521.2	508.3	513.5	495.0
50°	586.0	586.3	576.9	535.4	515.6	534.4	585.3	589.4	583.2	584.9	563.3
52.5°	597.8	598.5	594.3	552.2	531.6	560.2	634.4	656.0	662.2	664.0	640.3
55°	586.0	588.4	587.3	550.8	531.3	571.7	677.2	721.1	737.5	746.6	732.3
57.5°	563.7	565.7	569.9	546.9	527.8	575.5	715.2	810.3	839.6	858.4	863.3
60°	537.5	540.0	552.5	542.8	522.6	568.9	735.4	890.8	943.0	984.5	1050.0
62.5°	502.0	504.4	514.9	505.1	483.5	522.6	690.1	913.1	985.9	1045.1	1167.0
63°	489.8	491.2	499.2	488.1	468.6	504.4	670.6	914.5	991.8	1053.8	1191.8
65°	385.3	388.1	397.1	385.3	381.1	417.0	559.5	869.5	976.1	1043.4	1213.0
67.5°	210.4	213.9	227.5	222.3	246.3	286.7	371.0	634.7	780.7	876.1	1069.5
70°	152.9	152.9	164.4	167.9	179.8	211.1	244.9	322.6	407.6	518.7	765.7
72.5°	111.1	113.6	123.3	133.1	150.1	188.1	241.4	187.4	193.0	227.5	403.1
75°	55.4	60.3	71.1	82.6	100.3	143.2	255.7	194.4	176.6	172.1	205.9
77.5°	12.9	13.2	21.6	42.5	51.2	82.2	202.4	237.6	213.9	202.4	181.2
80°	6.6	7.0	8.7	21.3	23.3	29.6	106.3	250.8	253.6	246.6	203.4
82.5°	3.5	3.5	5.2	9.1	9.1	10.5	30.3	152.6	211.5	240.0	234.8
85°	1.4	1.4	3.1	4.5	4.9	4.5	8.4	59.9	105.9	137.6	184.3
87.5°	0.3	0.3	1.0	1.7	2.1	2.4	3.8	11.1	18.5	25.4	42.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
2.5°	15.0	15.0	15.0	14.6	14.6	14.6	14.6	14.3	14.3	14.3	13.2
5°	17.1	17.1	16.7	16.4	16.4	16.0	16.0	16.0	15.7	15.7	15.3
7.5°	20.9	20.6	20.2	19.5	19.2	18.8	18.8	18.1	17.8	17.4	17.1
10°	27.5	27.2	26.1	25.4	24.7	24.0	23.3	23.0	22.3	21.9	21.3
12.5°	37.6	32.7	31.7	30.7	29.3	28.2	27.5	26.8	26.5	25.4	25.8
15°	54.3	53.3	52.3	51.6	49.8	42.2	39.0	38.3	36.9	35.9	34.5
17.5°	65.8	64.8	62.4	58.5	57.8	56.4	54.7	53.0	44.6	40.4	39.0
20°	85.4	83.6	86.0	85.4	82.6	79.8	76.6	74.9	72.8	69.0	62.7
22.5°	106.9	106.9	103.8	101.7	98.2	93.7	93.4	89.5	82.2	79.4	78.4
25°	152.6	154.7	148.4	140.4	139.7	135.5	125.4	120.2	116.7	112.9	111.1
27.5°	181.2	174.5	168.6	168.3	164.1	151.2	145.6	142.8	144.6	135.5	129.9
30°	219.1	214.2	212.9	206.6	198.9	189.5	187.8	183.9	174.2	161.3	154.0
32.5°	245.3	247.7	252.2	245.3	236.2	233.8	232.7	222.3	209.0	200.3	192.0
35°	294.4	290.9	284.3	273.5	270.7	270.7	263.0	247.3	237.9	232.4	230.3
37.5°	322.6	317.4	307.6	302.4	303.8	301.3	283.6	274.9	270.7	269.3	255.7
40°	352.9	342.8	334.1	335.5	338.6	321.2	311.4	306.6	308.0	296.8	279.7
42.5°	387.0	373.8	369.3	377.3	360.9	348.0	340.4	343.1	337.2	321.2	310.0
45°	426.4	413.2	416.0	413.5	393.3	381.5	382.5	376.6	365.4	353.2	342.4
47.5°	473.4	466.8	475.2	450.8	433.4	429.5	427.1	415.3	400.6	390.9	380.8
50°	543.1	546.6	538.9	510.0	494.0	492.9	479.0	461.6	449.7	433.4	417.7
52.5°	635.8	645.9	622.9	599.9	590.1	582.8	559.8	540.0	520.1	500.3	476.9
55°	735.8	755.6	729.8	719.4	716.2	720.8	693.6	673.4	649.0	621.5	592.9
57.5°	903.0	908.2	891.1	905.8	917.3	919.0	926.0	911.0	901.6	893.6	865.7
60°	1117.6	1126.6	1142.6	1194.2	1215.1	1244.7	1252.0	1271.5	1275.7	1282.7	1260.0
62.5°	1231.8	1251.7	1302.9	1363.5	1390.0	1418.2	1440.8	1458.6	1472.6	1495.2	1455.8
63°	1245.4	1265.6	1319.6	1376.4	1404.3	1433.2	1454.4	1468.4	1484.4	1500.4	1464.5
65°	1243.3	1265.6	1334.2	1364.6	1394.5	1410.5	1429.7	1430.7	1460.4	1437.7	1433.9
67.5°	1102.6	1161.5	1209.5	1242.3	1267.7	1280.3	1288.3	1298.0	1317.9	1282.3	1302.2
70°	865.0	940.2	983.1	1023.5	1056.3	1065.7	1072.6	1103.3	1076.1	1079.2	1073.7
72.5°	492.2	608.9	681.8	725.3	779.3	789.1	805.4	831.2	796.4	814.1	798.5
75°	264.1	309.7	373.1	417.7	439.3	460.2	480.4	465.1	455.3	434.1	429.9
77.5°	190.2	195.1	200.3	196.5	190.9	189.5	180.8	164.1	159.6	146.3	139.7
80°	190.6	172.4	151.5	125.1	97.2	84.7	79.4	77.7	77.7	77.7	73.2
82.5°	215.6	193.0	166.2	133.1	103.1	81.2	67.2	65.1	63.8	63.8	59.6
85°	175.2	172.8	153.3	122.6	96.1	72.8	56.4	46.0	42.2	37.6	35.9
87.5°	42.5	44.2	38.7	33.8	28.2	22.3	19.5	15.7	13.2	12.2	11.5
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
2.5°	13.2	12.9	12.5	12.5	12.2	10.5	9.1	8.0	7.3	7.0	6.6
5°	15.3	15.0	15.0	14.6	14.6	11.8	8.0	7.0	6.3	5.6	5.6
7.5°	16.7	16.4	16.4	16.0	15.7	14.3	8.0	6.6	5.2	5.6	2.8
10°	20.9	20.6	19.9	19.5	19.2	18.1	9.8	7.0	6.3	2.4	2.1
12.5°	25.4	24.4	23.7	23.0	21.6	18.5	9.8	7.3	3.8	3.1	3.5
15°	32.7	31.4	30.0	28.9	27.9	24.0	12.9	9.1	4.2	3.8	3.8
17.5°	37.3	35.5	34.1	33.8	33.1	24.0	12.5	6.3	4.9	4.9	3.8
20°	57.1	56.8	53.6	49.8	46.3	35.5	17.1	8.0	6.6	4.9	4.9
22.5°	74.9	65.8	61.3	55.7	52.6	42.5	17.4	8.7	7.7	5.9	4.5
25°	102.4	92.7	87.4	79.8	77.0	53.3	19.2	11.1	8.7	6.3	5.2
27.5°	124.7	117.7	114.6	110.8	101.4	66.2	22.3	11.8	8.7	7.0	5.2
30°	145.3	145.6	136.2	124.4	115.0	79.1	23.7	12.9	9.1	6.6	5.2
32.5°	190.9	179.8	163.7	153.3	143.5	90.9	25.8	13.9	8.7	6.6	5.2
35°	217.4	200.3	191.3	181.8	169.3	108.3	28.2	13.6	8.7	6.3	4.9
37.5°	239.0	226.1	217.0	203.4	190.2	121.6	29.6	12.5	8.4	5.9	4.2
40°	266.2	257.1	240.7	228.9	215.3	127.2	30.7	11.5	7.7	5.2	3.5
42.5°	297.9	284.6	269.3	258.1	235.1	144.6	33.8	10.8	7.0	4.5	3.1
45°	330.9	313.9	304.1	280.8	254.0	157.1	36.2	10.5	6.3	3.8	2.4
47.5°	362.0	351.5	330.3	300.6	288.4	176.6	35.5	9.8	5.6	3.1	1.7
50°	404.8	390.5	361.6	344.9	325.0	192.3	34.5	9.4	4.9	2.8	1.4
52.5°	464.7	434.4	411.8	392.6	359.2	214.2	33.8	8.7	4.2	2.1	0.7
55°	561.6	514.2	486.3	450.4	413.9	240.0	32.0	7.7	3.8	1.7	0.7
57.5°	796.4	745.2	685.2	617.0	551.8	300.3	31.4	7.0	3.1	1.0	0.3
60°	1212.7	1179.2	1091.1	980.7	888.3	422.6	33.8	5.9	2.4	0.7	0.3
62.5°	1455.5	1424.8	1362.1	1282.3	1158.3	550.8	38.0	4.9	1.7	0.7	0.3
63°	1471.2	1446.4	1384.8	1306.4	1194.6	568.5	40.1	4.9	1.7	0.7	0.3
65°	1441.9	1420.3	1385.8	1324.8	1252.0	620.1	46.3	4.5	1.4	0.7	0.3
67.5°	1294.9	1271.9	1248.2	1222.8	1170.9	636.8	50.9	4.2	1.0	0.7	0.3
70°	1070.9	1050.0	1024.2	1013.1	984.8	595.4	53.3	3.8	1.0	0.7	0.3
72.5°	781.7	757.7	736.8	706.5	679.7	450.4	39.4	3.8	0.7	0.7	0.3
75°	397.1	372.1	323.6	301.0	277.6	188.8	16.0	3.1	0.7	0.7	0.3
77.5°	116.0	104.2	84.3	68.3	51.9	33.8	5.9	2.1	0.7	0.7	0.3
80°	68.6	58.2	48.1	38.0	30.7	16.4	3.5	1.4	0.7	1.0	0.3
82.5°	56.1	50.2	41.5	34.1	26.8	12.2	2.4	1.4	1.0	1.0	0.3
85°	32.4	29.3	24.7	19.9	16.7	8.7	1.7	1.4	1.0	1.4	0.3
87.5°	11.8	10.8	10.1	9.8	9.1	6.3	1.7	1.7	1.4	1.7	0.3
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):

	145°	155°	165°	175°	180°
0°	9.8	9.8	9.8	9.8	9.8
2.5°	6.3	6.6	6.6	6.6	6.6
5°	5.9	5.9	5.2	4.2	4.2
7.5°	2.4	2.8	2.8	2.8	2.8
10°	2.1	3.5	3.8	3.8	3.8
12.5°	3.1	3.1	3.5	3.5	3.8
15°	3.1	3.8	4.2	4.2	4.2
17.5°	4.2	3.5	3.8	3.8	4.2
20°	3.8	4.2	4.2	4.2	4.2
22.5°	4.5	4.2	3.8	4.2	4.2
25°	4.2	4.2	3.8	3.8	3.8
27.5°	4.2	3.8	3.8	3.8	3.8
30°	4.2	3.8	3.5	3.5	3.5
32.5°	3.8	3.5	3.5	3.1	3.1
35°	3.5	2.8	3.1	3.1	3.1
37.5°	3.1	2.4	2.4	2.8	2.4
40°	2.4	2.1	1.7	2.1	2.1
42.5°	1.7	1.4	1.4	1.4	1.4
45°	1.4	0.7	0.7	0.7	0.7
47.5°	0.7	0.3	0.3	0.3	0.3
50°	0.3	0.0	0.0	0.0	0.0
52.5°	0.3	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
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.3	0.3	0.3	0.0	0.0
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.7	0.7	0.7	0.3	0.3
80°	1.0	0.7	0.7	0.3	0.3
82.5°	1.0	1.0	1.0	0.7	0.3
85°	1.4	1.0	1.0	1.0	0.3
87.5°	1.7	1.4	1.4	1.0	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)