

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: P179365

Luminaire Tested: **UTLD-F02-LED-E-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179365
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-F02-LED-E-U-T3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2354.2 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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



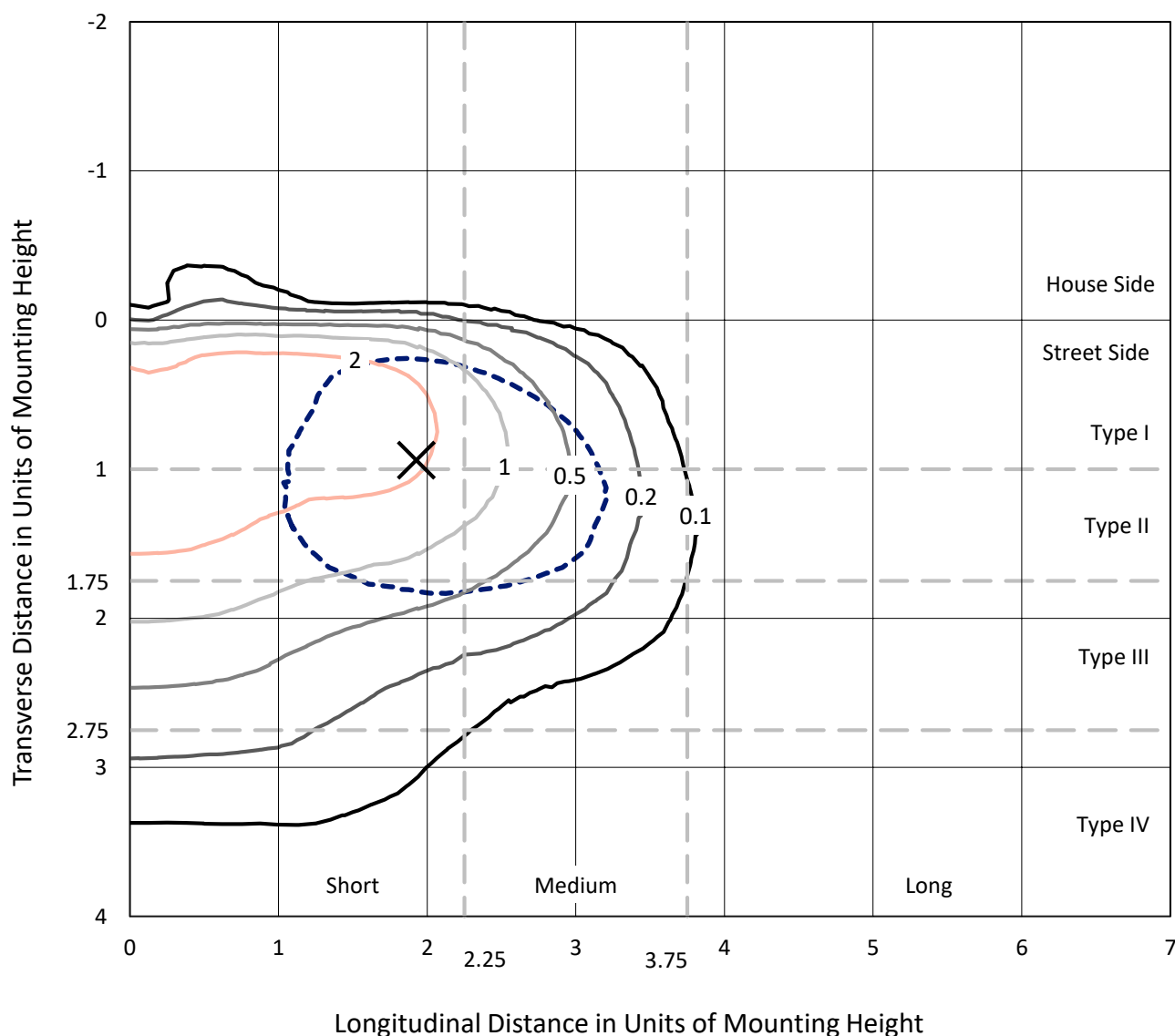
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

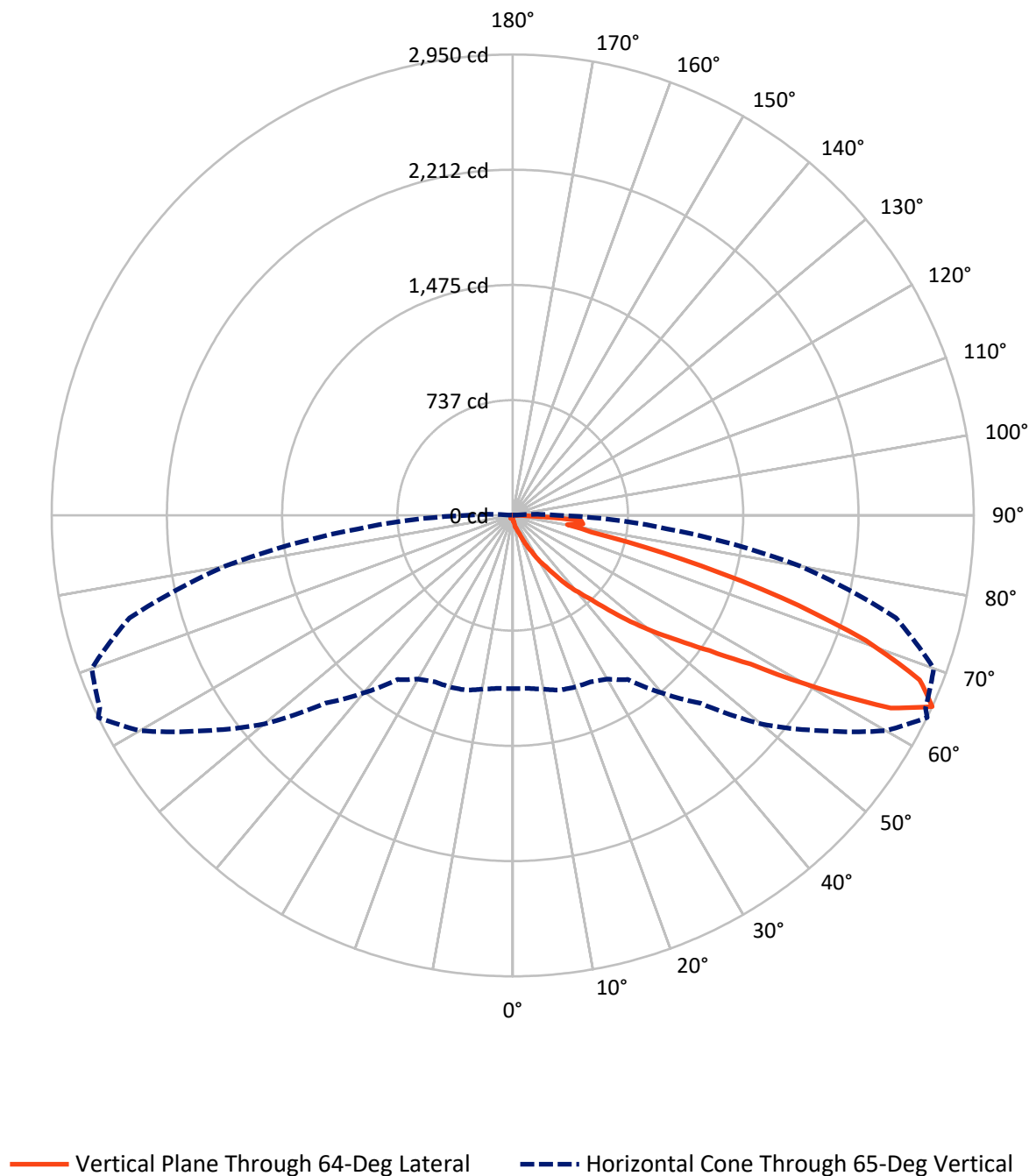


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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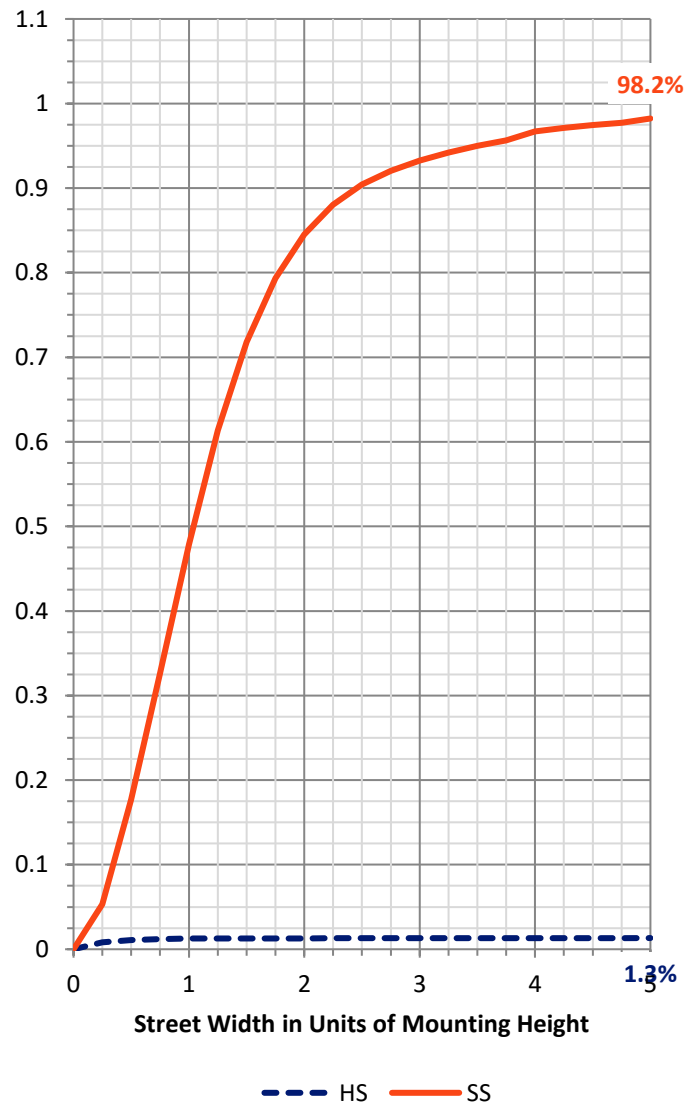
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32.0	0.0	32.0
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	2322.1	0.0	2322.1
	% Fixture	98.6	0.0	98.6
Total	Lumens	2354.2	0.0	2354.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	20.3	0.9
20°-30°	63.8	2.7
30°-40°	155.0	6.6
40°-50°	328.5	14.0
50°-60°	591.6	25.1
60°-70°	792.1	33.6
70°-80°	342.4	14.5
80°-90°	57.5	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°	2354.2	100.0
0°-180°	2354.2	100.0

Coefficient of Utilization



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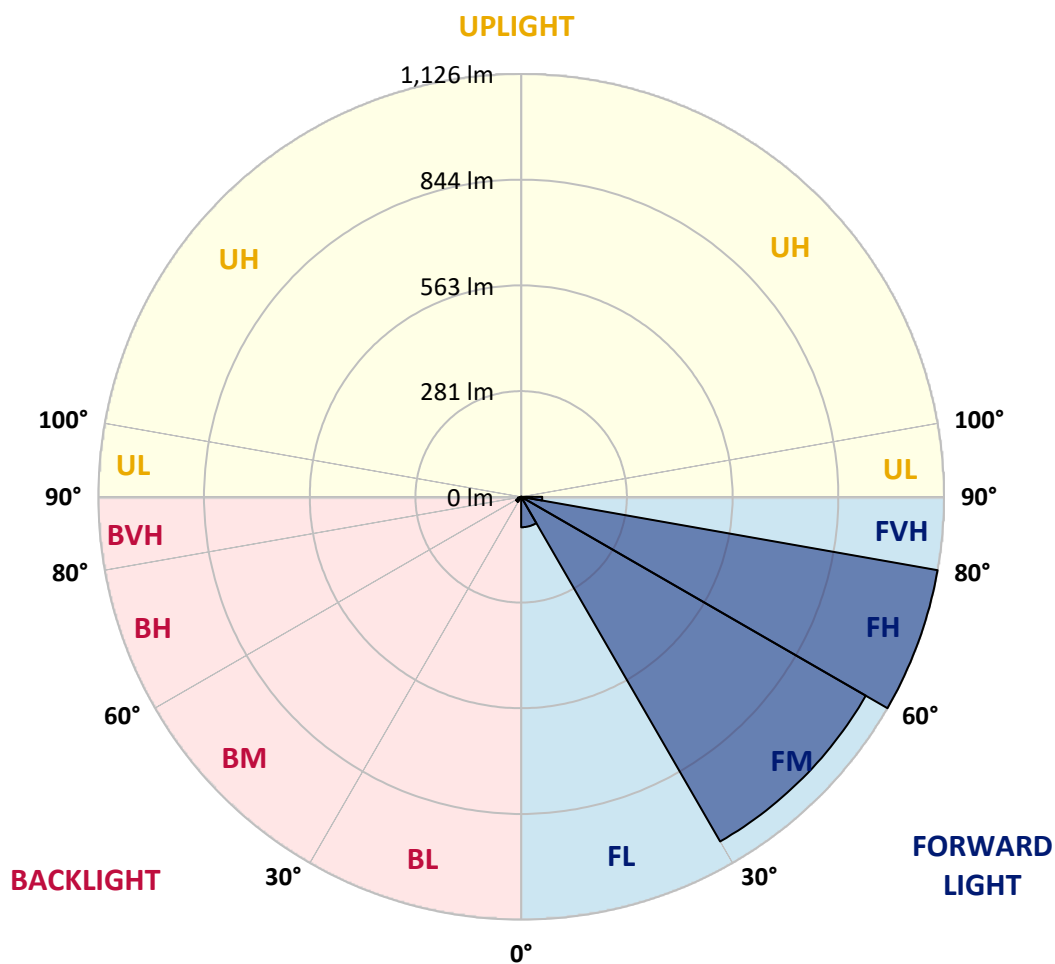
CATALOG NUMBER: UTLD-F02-LED-E-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.0	3.4			
FM	(30°-60°)	1059.4	45.0			
FH	(60°-80°)	1125.6	47.8			G1/1800
FVH	(80°-90°)	56.1	2.4			G1/100
BL	(0°-30°)	6.2	0.3	B0/110		
BM	(30°-60°)	15.7	0.7	B0/220		
BH	(60°-80°)	8.9	0.4	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	33.8	33.8	33.0	33.8	33.0	32.2	32.2	31.4	31.4	30.5	30.5
5°	49.5	49.5	48.7	47.1	45.4	44.6	43.8	41.3	40.5	39.6	38.0
7.5°	88.3	88.3	86.7	85.0	84.2	82.6	80.9	77.6	74.3	55.3	47.9
10°	113.1	111.4	109.8	106.5	105.7	101.5	97.4	94.9	91.6	83.4	77.6
12.5°	158.5	157.7	156.0	156.8	151.9	148.6	142.0	136.2	109.0	102.4	99.9
15°	208.9	195.6	183.3	171.7	168.4	165.1	155.2	156.0	162.6	148.6	116.4
17.5°	213.8	214.6	213.0	213.0	208.0	205.6	211.3	183.3	178.3	165.9	156.8
20°	269.1	269.9	268.3	251.0	227.0	218.8	231.1	222.9	222.9	203.1	190.7
22.5°	281.5	284.0	281.5	280.7	274.9	288.9	279.9	241.9	255.9	238.6	229.5
25°	341.8	343.4	342.6	335.2	345.9	303.8	297.2	315.4	298.0	277.4	286.5
27.5°	406.2	404.5	367.4	355.0	359.9	355.0	374.0	343.4	359.1	339.3	325.3
30°	436.7	439.2	435.9	421.8	421.8	435.1	401.2	413.6	402.0	372.3	421.8
32.5°	525.0	528.3	518.4	516.0	478.0	464.8	453.2	465.6	436.7	458.2	470.5
35°	629.0	630.7	615.8	552.3	551.5	535.8	533.3	504.4	519.3	502.7	549.0
37.5°	715.7	711.6	687.7	657.1	658.8	626.6	592.7	595.2	571.3	572.9	616.7
40°	830.5	828.8	811.5	786.7	750.4	710.0	689.3	679.4	660.4	647.2	688.5
42.5°	937.0	947.7	940.3	908.1	854.4	836.3	786.7	766.9	761.1	739.7	773.5
45°	1069.1	1068.2	1067.4	1035.2	1000.5	962.6	889.1	878.4	868.5	866.0	903.1
47.5°	1168.1	1168.9	1172.2	1150.8	1126.8	1073.2	1000.5	998.1	1003.8	998.1	1045.1
50°	1235.0	1242.4	1254.8	1249.8	1217.6	1181.3	1135.9	1127.7	1135.1	1131.8	1206.9
52.5°	1279.6	1288.6	1303.5	1312.6	1277.9	1262.2	1243.2	1232.5	1268.0	1268.8	1354.7
55°	1296.9	1306.8	1321.7	1339.8	1313.4	1316.7	1309.3	1307.6	1364.6	1377.8	1490.9
57.5°	1282.9	1291.9	1308.5	1330.7	1323.3	1350.6	1334.9	1342.3	1430.6	1465.3	1611.4
60°	1245.7	1254.0	1272.1	1309.3	1299.4	1331.6	1324.1	1359.6	1474.4	1551.2	1750.9
62.5°	1183.8	1193.7	1213.5	1249.0	1254.0	1282.0	1289.5	1349.7	1504.1	1637.8	1937.5
65°	1107.9	1110.3	1128.5	1157.4	1168.9	1174.7	1208.6	1282.0	1481.8	1698.9	2077.0
67.5°	993.1	998.9	1010.4	1027.8	1036.9	1006.3	1034.4	1110.3	1310.9	1571.0	1973.8
70°	704.2	703.3	728.9	803.2	825.5	757.0	755.4	802.4	966.7	1215.2	1579.2
72.5°	480.5	486.2	497.8	520.9	591.9	570.4	563.0	538.2	602.6	740.5	1043.5
75°	365.7	368.2	416.1	454.9	502.7	525.0	539.1	509.3	485.4	463.9	597.7
77.5°	124.7	135.4	158.5	217.1	339.3	413.6	459.8	502.7	531.6	509.3	493.7
80°	27.2	28.1	31.4	42.1	118.9	213.8	268.3	342.6	426.8	474.7	516.0
82.5°	11.6	12.4	14.9	18.2	28.1	79.3	111.4	128.8	174.2	230.3	375.6
85°	4.1	4.1	5.0	6.6	10.7	19.8	29.7	32.2	49.5	72.6	123.0
87.5°	1.7	1.7	1.7	2.5	3.3	5.0	5.8	6.6	8.3	17.3	41.3
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	30.5	29.7	29.7	29.7	28.9	26.4	24.8	21.5	19.8	18.2	17.3
5°	36.3	33.8	32.2	32.2	29.7	28.9	28.1	23.9	19.0	16.5	14.9
7.5°	43.8	40.5	38.0	37.1	33.8	29.7	28.1	25.6	19.0	15.7	14.0
10°	73.5	52.0	47.9	46.2	41.3	36.3	33.0	31.4	23.1	18.2	16.5
12.5°	93.3	82.6	74.3	65.2	48.7	43.8	37.1	31.4	23.9	18.2	14.9
15°	108.1	96.6	85.0	84.2	69.3	56.1	45.4	39.6	28.1	23.1	19.0
17.5°	156.0	120.5	104.8	104.0	88.3	61.9	52.0	38.8	30.5	22.3	18.2
20°	177.5	151.1	126.3	130.4	114.7	90.8	66.0	50.4	36.3	29.7	23.9
22.5°	227.8	204.7	176.7	158.5	132.9	107.3	72.6	56.1	41.3	30.5	24.8
25°	264.2	234.4	223.7	221.2	183.3	144.5	96.6	66.0	46.2	33.8	29.7
27.5°	326.9	304.6	268.3	264.2	208.9	158.5	121.4	78.4	51.2	37.1	31.4
30°	368.2	351.7	339.3	330.2	261.7	190.7	137.9	89.2	55.3	38.8	32.2
32.5°	449.1	417.7	390.5	376.4	331.9	241.1	166.8	102.4	60.3	41.3	35.5
35°	515.1	511.8	472.2	468.9	404.5	307.9	203.1	119.7	62.7	42.1	34.7
37.5°	601.8	582.8	563.8	553.9	493.7	378.1	248.5	146.9	73.5	43.8	34.7
40°	671.2	652.2	644.7	635.7	556.4	446.6	307.1	160.2	75.1	44.6	33.8
42.5°	759.5	729.8	736.4	726.5	642.3	538.2	365.7	191.5	80.9	44.6	32.2
45°	871.8	856.1	863.5	847.0	763.6	655.5	426.8	222.9	89.2	43.8	29.7
47.5°	1015.4	1006.3	1014.6	985.7	922.1	809.8	554.8	279.9	99.9	42.9	28.1
50°	1168.1	1181.3	1169.8	1142.5	1115.3	974.9	704.2	350.0	115.6	41.3	26.4
52.5°	1347.3	1348.9	1328.3	1327.4	1328.3	1190.4	860.2	434.2	135.4	39.6	24.8
55°	1517.3	1538.0	1527.2	1539.6	1558.6	1463.7	1051.7	530.8	162.6	37.1	23.1
57.5°	1691.5	1765.0	1794.7	1833.5	1869.8	1817.8	1310.1	671.2	195.6	34.7	21.5
60°	1916.9	2116.6	2243.8	2290.8	2321.4	2214.9	1645.3	850.3	243.5	32.2	19.0
62.5°	2208.3	2527.8	2715.2	2769.6	2728.4	2505.5	1840.1	984.0	282.3	30.5	16.5
65°	2400.6	2754.8	2949.6	2914.9	2866.2	2538.5	1867.3	996.4	290.6	27.2	14.9
67.5°	2286.7	2613.6	2808.4	2756.4	2720.9	2373.4	1674.2	918.0	270.8	23.1	13.2
70°	1894.6	2225.6	2396.5	2353.6	2379.2	2014.3	1369.5	777.6	240.2	19.8	11.6
72.5°	1361.3	1621.3	1796.3	1769.9	1838.4	1448.0	1008.8	611.7	199.8	16.5	9.9
75°	831.3	1069.9	1112.0	1071.5	1022.8	738.8	487.1	332.7	128.8	12.4	7.4
77.5°	508.5	583.6	515.1	521.7	411.1	184.9	91.6	68.5	36.3	9.9	5.0
80°	484.6	438.4	354.2	344.2	236.9	71.8	40.5	30.5	15.7	7.4	4.1
82.5°	506.0	530.8	453.2	419.4	251.0	63.6	33.0	24.8	12.4	5.8	3.3
85°	209.7	473.0	439.2	400.4	232.0	49.5	26.4	18.2	8.3	4.1	3.3
87.5°	81.7	135.4	124.7	111.4	73.5	24.8	20.6	14.9	5.8	3.3	3.3
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
2.5°	16.5	15.7	14.9	14.9	14.0	14.0	13.2	13.2	13.2	13.2	13.2
5°	14.0	13.2	12.4	11.6	10.7	10.7	11.6	12.4	12.4	13.2	12.4
7.5°	12.4	11.6	9.9	10.7	10.7	9.1	6.6	5.8	5.8	6.6	6.6
10°	13.2	11.6	12.4	7.4	5.8	5.0	5.8	5.8	5.8	7.4	9.1
12.5°	13.2	14.0	9.9	9.1	8.3	7.4	9.1	8.3	7.4	8.3	8.3
15°	17.3	12.4	10.7	9.1	9.9	10.7	9.9	9.1	8.3	8.3	9.1
17.5°	14.9	13.2	12.4	14.0	13.2	10.7	9.9	10.7	10.7	9.9	9.1
20°	19.8	17.3	16.5	14.0	12.4	12.4	12.4	10.7	9.9	9.9	10.7
22.5°	22.3	19.0	19.0	17.3	15.7	12.4	12.4	11.6	11.6	10.7	9.9
25°	26.4	24.8	21.5	17.3	16.5	14.9	14.0	11.6	11.6	10.7	10.7
27.5°	28.1	24.8	21.5	19.8	17.3	14.0	14.0	11.6	10.7	10.7	9.9
30°	29.7	25.6	22.3	19.8	17.3	14.9	14.0	11.6	10.7	9.9	9.9
32.5°	31.4	26.4	21.5	19.0	16.5	14.0	13.2	11.6	9.9	9.1	9.1
35°	29.7	24.8	21.5	19.0	15.7	13.2	12.4	10.7	9.1	9.1	8.3
37.5°	28.1	23.1	19.8	17.3	14.9	12.4	10.7	9.1	8.3	7.4	7.4
40°	26.4	21.5	18.2	15.7	13.2	11.6	9.9	7.4	6.6	5.8	5.8
42.5°	23.9	19.8	16.5	14.0	11.6	9.1	8.3	6.6	5.0	4.1	4.1
45°	23.1	18.2	14.9	12.4	9.9	8.3	6.6	5.0	3.3	2.5	2.5
47.5°	21.5	16.5	13.2	10.7	8.3	6.6	5.0	3.3	2.5	1.7	1.7
50°	19.8	15.7	11.6	9.1	6.6	5.0	3.3	2.5	1.7	0.8	0.8
52.5°	18.2	14.0	9.9	7.4	5.8	4.1	2.5	1.7	0.8	0.8	0.0
55°	16.5	11.6	9.1	6.6	4.1	2.5	1.7	0.8	0.8	0.0	0.0
57.5°	14.0	9.9	7.4	5.0	3.3	1.7	0.8	0.8	0.8	0.0	0.0
60°	12.4	8.3	5.8	4.1	2.5	1.7	0.8	0.8	0.0	0.0	0.0
62.5°	10.7	7.4	5.0	3.3	1.7	0.8	0.8	0.8	0.0	0.0	0.0
65°	9.1	5.8	4.1	2.5	1.7	0.8	0.8	0.8	0.8	0.0	0.0
67.5°	8.3	5.0	3.3	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.0
70°	7.4	4.1	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	5.8	3.3	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
75°	4.1	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
77.5°	3.3	2.5	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
80°	2.5	1.7	1.7	2.5	2.5	2.5	0.8	1.7	1.7	1.7	1.7
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.8	2.5	2.5	2.5	1.7
85°	2.5	2.5	2.5	2.5	3.3	3.3	0.8	3.3	3.3	2.5	2.5
87.5°	3.3	2.5	3.3	3.3	3.3	4.1	0.8	3.3	3.3	3.3	3.3
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):

	160°	165°	170°	175°	180°
0°	20.6	20.6	20.6	20.6	20.6
2.5°	13.2	14.0	14.0	14.0	14.0
5°	11.6	10.7	10.7	10.7	10.7
7.5°	6.6	6.6	7.4	7.4	7.4
10°	9.9	9.9	9.9	9.9	9.9
12.5°	8.3	9.1	9.1	9.1	9.1
15°	9.9	9.9	10.7	10.7	10.7
17.5°	9.1	9.1	9.9	9.9	9.9
20°	9.9	10.7	10.7	10.7	10.7
22.5°	9.1	9.1	10.7	10.7	11.6
25°	10.7	9.9	9.9	10.7	9.9
27.5°	9.9	9.9	10.7	10.7	10.7
30°	9.9	9.1	9.1	9.9	9.9
32.5°	9.1	9.1	9.1	9.1	9.1
35°	8.3	8.3	9.1	9.1	9.1
37.5°	7.4	6.6	7.4	7.4	7.4
40°	5.8	5.8	5.8	6.6	6.6
42.5°	4.1	4.1	4.1	4.1	4.1
45°	2.5	2.5	2.5	2.5	2.5
47.5°	1.7	0.8	1.7	1.7	1.7
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.0	0.8	0.8	0.8	0.8
55°	0.0	0.8	0.8	0.8	0.8
57.5°	0.0	0.0	0.8	0.8	0.8
60°	0.0	0.0	0.8	0.8	0.8
62.5°	0.0	0.0	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	1.7	0.8	0.8
77.5°	1.7	1.7	1.7	1.7	0.8
80°	1.7	1.7	1.7	1.7	0.8
82.5°	1.7	1.7	2.5	1.7	0.8
85°	2.5	2.5	2.5	2.5	0.8
87.5°	2.5	2.5	3.3	3.3	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)