

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: P179373

Luminaire Tested: **UTLD-F03-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179373
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-F03-LED-E-U-T3-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2980.3 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 78.3
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



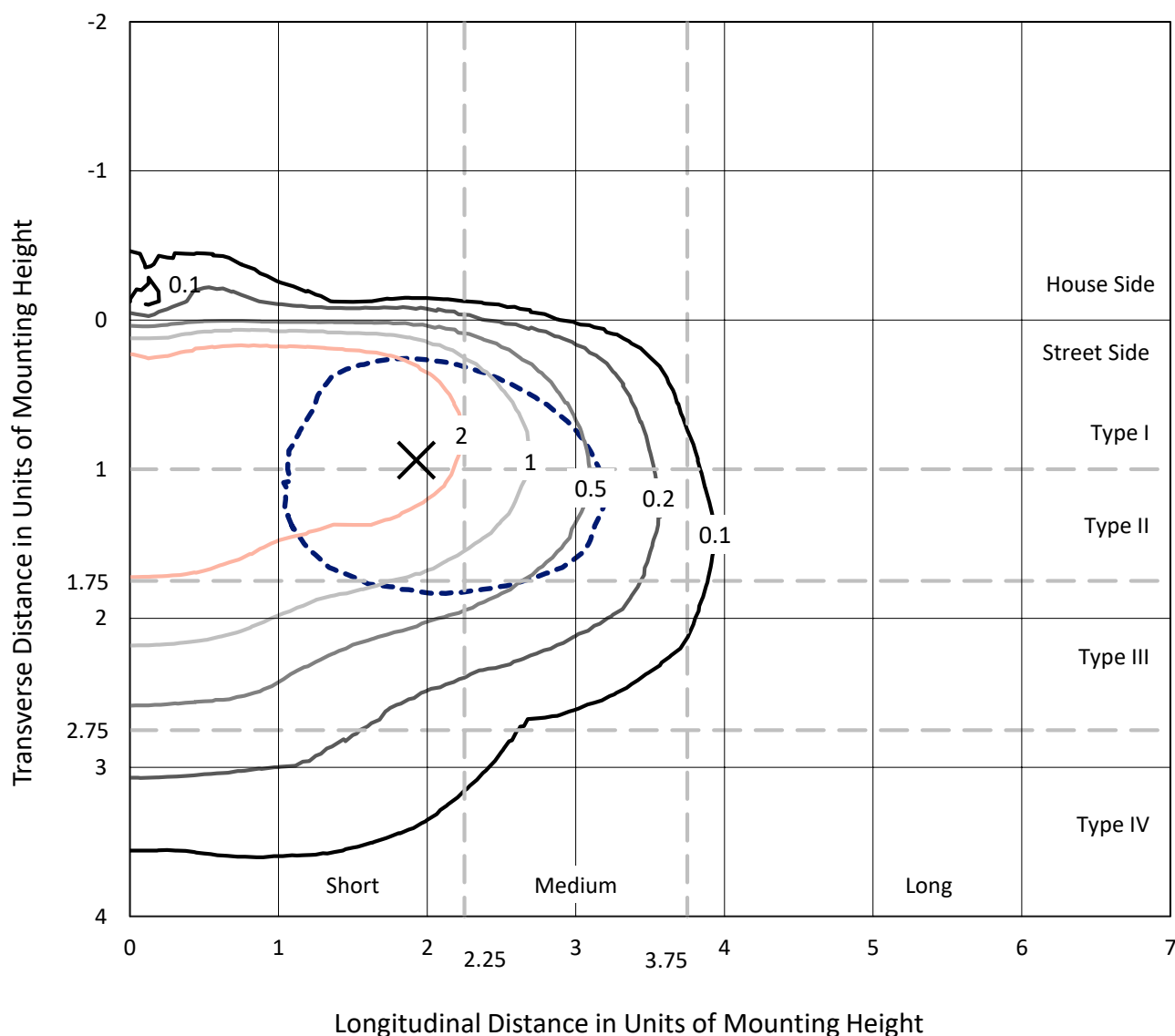
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

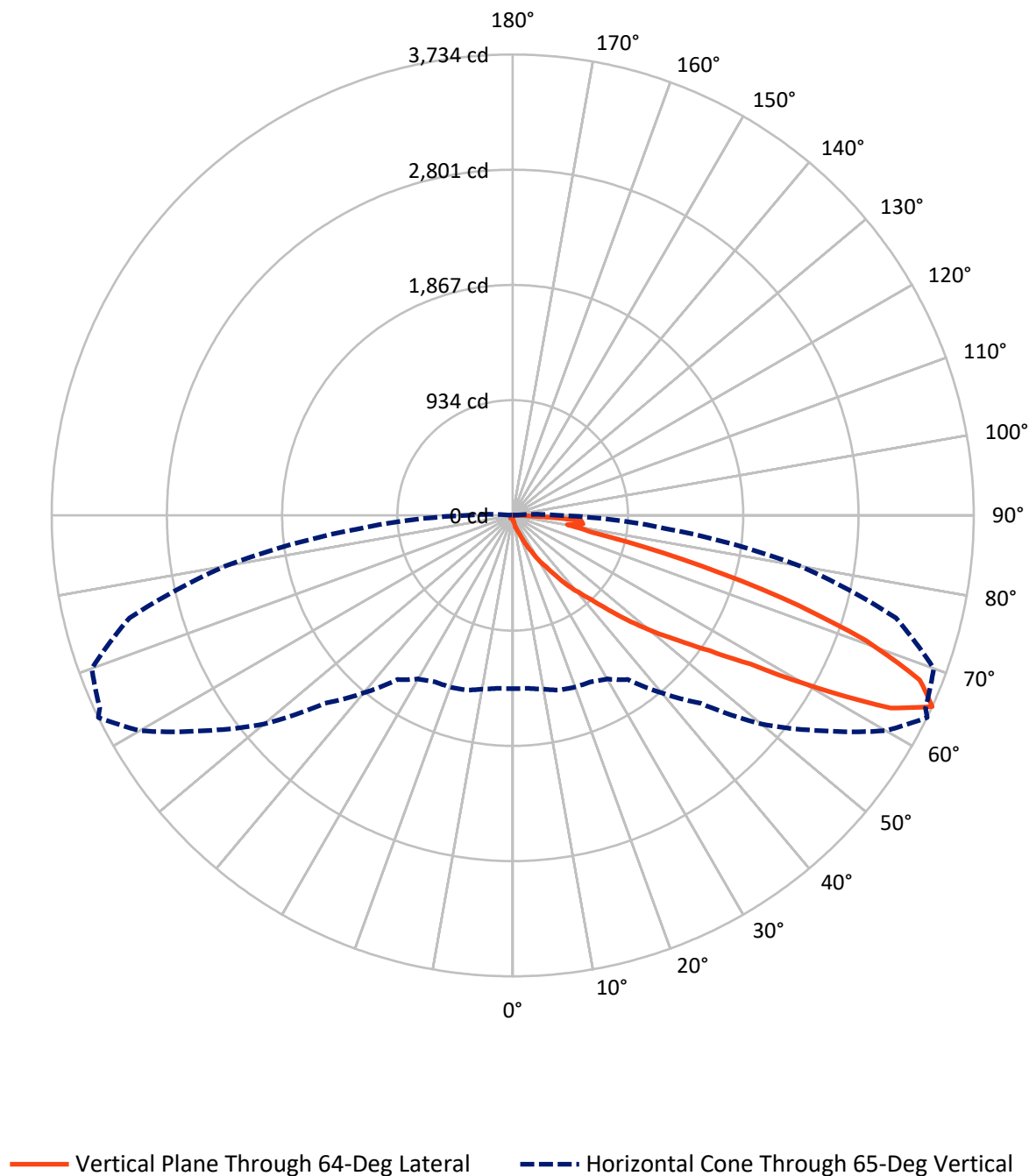


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
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Luminous Intensity Polar Plot



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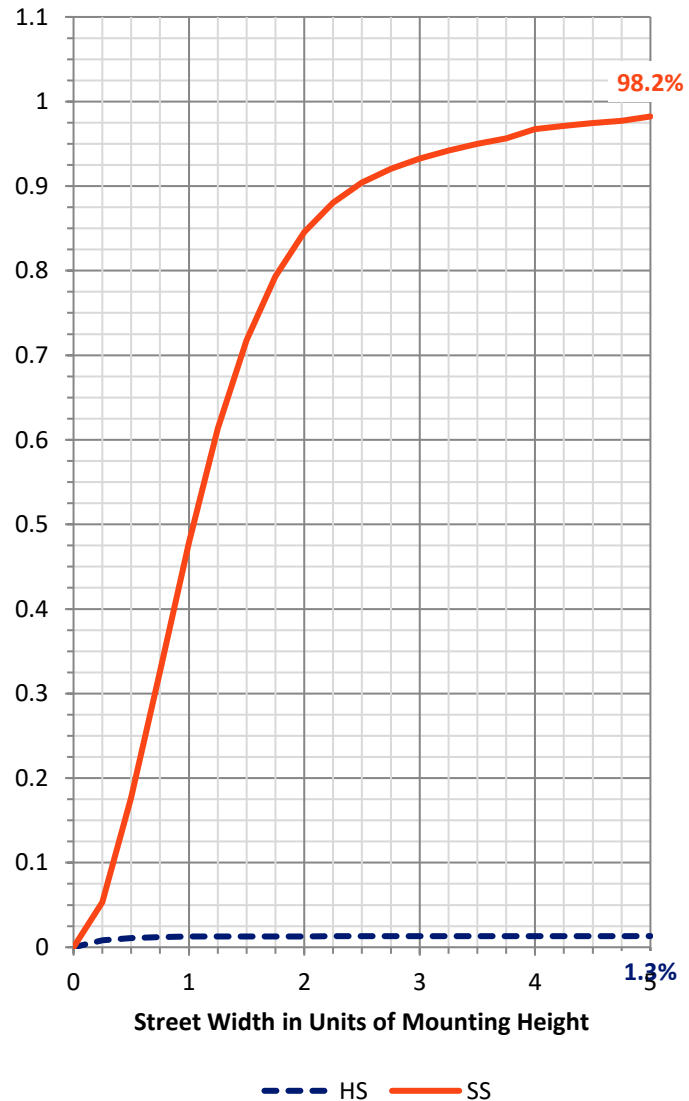
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40.5	0.0	40.5
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	2939.8	0.0	2939.8
	% Fixture	98.6	0.0	98.6
Total	Lumens	2980.3	0.0	2980.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	25.7	0.9
20°-30°	80.8	2.7
30°-40°	196.2	6.6
40°-50°	415.9	14.0
50°-60°	748.9	25.1
60°-70°	1002.8	33.6
70°-80°	433.5	14.5
80°-90°	72.7	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°	2980.3	100.0
0°-180°	2980.3	100.0

Coefficient of Utilization



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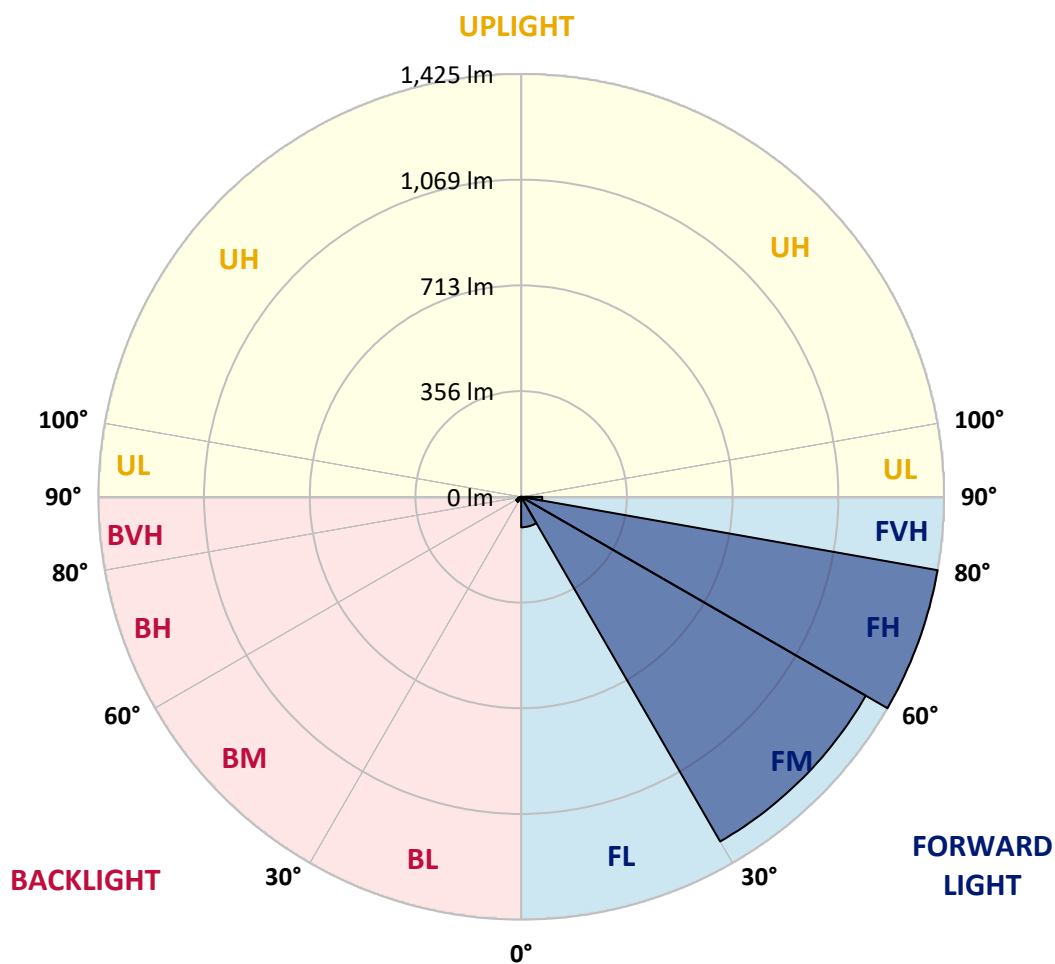
CATALOG NUMBER: UTLD-F03-LED-E-U-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.6	3.4			
FM	(30°-60°)	1341.1	45.0			
FH	(60°-80°)	1425.0	47.8			G1/1800
FVH	(80°-90°)	71.0	2.4			G1/100
BL	(0°-30°)	7.8	0.3	B0/110		
BM	(30°-60°)	19.8	0.7	B0/220		
BH	(60°-80°)	11.2	0.4	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
2.5°	42.8	42.8	41.8	42.8	41.8	40.8	40.8	39.7	39.7	38.7	38.7
5°	62.7	62.7	61.7	59.6	57.5	56.4	55.4	52.3	51.2	50.2	48.1
7.5°	111.8	111.8	109.7	107.6	106.6	104.5	102.4	98.2	94.1	70.0	60.6
10°	143.2	141.1	139.0	134.8	133.8	128.5	123.3	120.2	116.0	105.6	98.2
12.5°	200.7	199.6	197.5	198.6	192.3	188.1	179.8	172.4	138.0	129.6	126.5
15°	264.4	247.7	232.0	217.4	213.2	209.0	196.5	197.5	205.9	188.1	147.4
17.5°	270.7	271.7	269.6	269.6	263.4	260.2	267.5	232.0	225.7	210.1	198.6
20°	340.7	341.7	339.7	317.7	287.4	277.0	292.6	282.2	282.2	257.1	241.4
22.5°	356.4	359.5	356.4	355.3	348.0	365.8	354.3	306.2	324.0	302.0	290.5
25°	432.7	434.8	433.7	424.3	437.9	384.6	376.2	399.2	377.3	351.2	362.7
27.5°	514.2	512.1	465.1	449.4	455.7	449.4	473.4	434.8	454.6	429.5	411.8
30°	552.9	556.0	551.8	534.0	534.0	550.8	507.9	523.6	509.0	471.3	534.0
32.5°	664.7	668.9	656.3	653.2	605.1	588.4	573.8	589.4	552.9	580.0	595.7
35°	796.4	798.5	779.6	699.2	698.1	678.3	675.1	638.6	657.4	636.5	695.0
37.5°	906.1	900.9	870.6	831.9	834.0	793.2	750.4	753.5	723.2	725.3	780.7
40°	1051.4	1049.3	1027.3	996.0	950.0	898.8	872.7	860.1	836.1	819.4	871.6
42.5°	1186.2	1199.8	1190.4	1149.6	1081.7	1058.7	996.0	970.9	963.6	936.4	979.3
45°	1353.4	1352.4	1351.3	1310.6	1266.7	1218.6	1125.6	1112.0	1099.4	1096.3	1143.3
47.5°	1478.8	1479.9	1484.0	1456.9	1426.6	1358.6	1266.7	1263.5	1270.8	1263.5	1323.1
50°	1563.5	1572.9	1588.6	1582.3	1541.5	1495.5	1438.1	1427.6	1437.0	1432.8	1527.9
52.5°	1619.9	1631.4	1650.2	1661.7	1617.8	1598.0	1573.9	1560.3	1605.3	1606.3	1715.0
55°	1641.9	1654.4	1673.2	1696.2	1662.8	1666.9	1657.5	1655.4	1727.6	1744.3	1887.5
57.5°	1624.1	1635.6	1656.5	1684.7	1675.3	1709.8	1689.9	1699.3	1811.2	1855.1	2040.0
60°	1577.1	1587.5	1610.5	1657.5	1645.0	1685.8	1676.3	1721.3	1866.6	1963.7	2216.7
62.5°	1498.7	1511.2	1536.3	1581.2	1587.5	1623.0	1632.5	1708.7	1904.2	2073.5	2452.9
65°	1402.5	1405.7	1428.7	1465.2	1479.9	1487.2	1530.0	1623.0	1876.0	2150.8	2629.5
67.5°	1257.3	1264.6	1279.2	1301.2	1312.6	1274.0	1309.5	1405.7	1659.6	1988.8	2498.8
70°	891.5	890.4	922.8	1016.9	1045.1	958.4	956.3	1015.8	1223.8	1538.4	1999.3
72.5°	608.3	615.6	630.2	659.5	749.3	722.2	712.8	681.4	762.9	937.5	1321.0
75°	463.0	466.1	526.7	575.9	636.5	664.7	682.5	644.8	614.5	587.3	756.7
77.5°	157.8	171.4	200.7	274.9	429.5	523.6	582.1	636.5	673.0	644.8	625.0
80°	34.5	35.5	39.7	53.3	150.5	270.7	339.7	433.7	540.3	600.9	653.2
82.5°	14.6	15.7	18.8	23.0	35.5	100.3	141.1	163.0	220.5	291.6	475.5
85°	5.2	5.2	6.3	8.4	13.6	25.1	37.6	40.8	62.7	92.0	155.7
87.5°	2.1	2.1	2.1	3.1	4.2	6.3	7.3	8.4	10.5	21.9	52.3
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°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
2.5°	38.7	37.6	37.6	37.6	36.6	33.4	31.4	27.2	25.1	23.0	21.9
5°	46.0	42.8	40.8	40.8	37.6	36.6	35.5	30.3	24.0	20.9	18.8
7.5°	55.4	51.2	48.1	47.0	42.8	37.6	35.5	32.4	24.0	19.9	17.8
10°	93.0	65.8	60.6	58.5	52.3	46.0	41.8	39.7	29.3	23.0	20.9
12.5°	118.1	104.5	94.1	82.6	61.7	55.4	47.0	39.7	30.3	23.0	18.8
15°	136.9	122.3	107.6	106.6	87.8	71.1	57.5	50.2	35.5	29.3	24.0
17.5°	197.5	152.6	132.7	131.7	111.8	78.4	65.8	49.1	38.7	28.2	23.0
20°	224.7	191.3	159.9	165.1	145.3	115.0	83.6	63.8	46.0	37.6	30.3
22.5°	288.4	259.2	223.7	200.7	168.3	135.9	92.0	71.1	52.3	38.7	31.4
25°	334.4	296.8	283.2	280.1	232.0	182.9	122.3	83.6	58.5	42.8	37.6
27.5°	413.9	385.6	339.7	334.4	264.4	200.7	153.6	99.3	64.8	47.0	39.7
30°	466.1	445.2	429.5	418.0	331.3	241.4	174.5	112.9	70.0	49.1	40.8
32.5°	568.5	528.8	494.3	476.6	420.1	305.2	211.1	129.6	76.3	52.3	44.9
35°	652.1	648.0	597.8	593.6	512.1	389.8	257.1	151.5	79.4	53.3	43.9
37.5°	761.9	737.8	713.8	701.3	625.0	478.7	314.6	186.0	93.0	55.4	43.9
40°	849.7	825.6	816.2	804.7	704.4	565.4	388.8	202.8	95.1	56.4	42.8
42.5°	961.5	923.9	932.2	919.7	813.1	681.4	463.0	242.5	102.4	56.4	40.8
45°	1103.6	1083.8	1093.2	1072.3	966.7	829.8	540.3	282.2	112.9	55.4	37.6
47.5°	1285.5	1274.0	1284.4	1247.9	1167.4	1025.2	702.3	354.3	126.5	54.3	35.5
50°	1478.8	1495.5	1480.9	1446.4	1411.9	1234.3	891.5	443.1	146.3	52.3	33.4
52.5°	1705.6	1707.7	1681.6	1680.5	1681.6	1507.0	1089.0	549.7	171.4	50.2	31.4
55°	1920.9	1947.0	1933.4	1949.1	1973.2	1853.0	1331.5	672.0	205.9	47.0	29.3
57.5°	2141.4	2234.4	2272.1	2321.2	2367.2	2301.3	1658.6	849.7	247.7	43.9	27.2
60°	2426.7	2679.6	2840.6	2900.2	2938.8	2804.0	2082.9	1076.5	308.3	40.8	24.0
62.5°	2795.7	3200.1	3437.3	3506.3	3454.1	3171.9	2329.5	1245.8	357.4	38.7	20.9
65°	3039.2	3487.5	3734.2	3690.3	3628.6	3213.7	2364.0	1261.4	367.9	34.5	18.8
67.5°	2894.9	3308.8	3555.4	3489.6	3444.7	3004.7	2119.5	1162.2	342.8	29.3	16.7
70°	2398.5	2817.6	3033.9	2979.6	3012.0	2550.1	1733.8	984.5	304.1	25.1	14.6
72.5°	1723.4	2052.6	2274.1	2240.7	2327.4	1833.1	1277.1	774.4	252.9	20.9	12.5
75°	1052.4	1354.5	1407.8	1356.5	1294.9	935.4	616.6	421.2	163.0	15.7	9.4
77.5°	643.8	738.9	652.1	660.5	520.5	234.1	116.0	86.7	46.0	12.5	6.3
80°	613.5	554.9	448.3	435.8	299.9	90.9	51.2	38.7	19.9	9.4	5.2
82.5°	640.6	672.0	573.8	530.9	317.7	80.5	41.8	31.4	15.7	7.3	4.2
85°	265.5	598.8	556.0	506.9	293.7	62.7	33.4	23.0	10.5	5.2	4.2
87.5°	103.5	171.4	157.8	141.1	93.0	31.4	26.1	18.8	7.3	4.2	4.2
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°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
2.5°	20.9	19.9	18.8	18.8	17.8	17.8	16.7	16.7	16.7	16.7	16.7
5°	17.8	16.7	15.7	14.6	13.6	13.6	14.6	15.7	15.7	16.7	15.7
7.5°	15.7	14.6	12.5	13.6	13.6	11.5	8.4	7.3	7.3	8.4	8.4
10°	16.7	14.6	15.7	9.4	7.3	6.3	7.3	7.3	7.3	9.4	11.5
12.5°	16.7	17.8	12.5	11.5	10.5	9.4	11.5	10.5	9.4	10.5	10.5
15°	21.9	15.7	13.6	11.5	12.5	13.6	12.5	11.5	10.5	10.5	11.5
17.5°	18.8	16.7	15.7	17.8	16.7	13.6	12.5	13.6	13.6	12.5	11.5
20°	25.1	21.9	20.9	17.8	15.7	15.7	15.7	13.6	12.5	12.5	13.6
22.5°	28.2	24.0	24.0	21.9	19.9	15.7	15.7	14.6	14.6	13.6	12.5
25°	33.4	31.4	27.2	21.9	20.9	18.8	17.8	14.6	14.6	13.6	13.6
27.5°	35.5	31.4	27.2	25.1	21.9	17.8	17.8	14.6	13.6	13.6	12.5
30°	37.6	32.4	28.2	25.1	21.9	18.8	17.8	14.6	13.6	12.5	12.5
32.5°	39.7	33.4	27.2	24.0	20.9	17.8	16.7	14.6	12.5	11.5	11.5
35°	37.6	31.4	27.2	24.0	19.9	16.7	15.7	13.6	11.5	11.5	10.5
37.5°	35.5	29.3	25.1	21.9	18.8	15.7	13.6	11.5	10.5	9.4	9.4
40°	33.4	27.2	23.0	19.9	16.7	14.6	12.5	9.4	8.4	7.3	7.3
42.5°	30.3	25.1	20.9	17.8	14.6	11.5	10.5	8.4	6.3	5.2	5.2
45°	29.3	23.0	18.8	15.7	12.5	10.5	8.4	6.3	4.2	3.1	3.1
47.5°	27.2	20.9	16.7	13.6	10.5	8.4	6.3	4.2	3.1	2.1	2.1
50°	25.1	19.9	14.6	11.5	8.4	6.3	4.2	3.1	2.1	1.0	1.0
52.5°	23.0	17.8	12.5	9.4	7.3	5.2	3.1	2.1	1.0	1.0	0.0
55°	20.9	14.6	11.5	8.4	5.2	3.1	2.1	1.0	1.0	0.0	0.0
57.5°	17.8	12.5	9.4	6.3	4.2	2.1	1.0	1.0	1.0	0.0	0.0
60°	15.7	10.5	7.3	5.2	3.1	2.1	1.0	1.0	0.0	0.0	0.0
62.5°	13.6	9.4	6.3	4.2	2.1	1.0	1.0	1.0	0.0	0.0	0.0
65°	11.5	7.3	5.2	3.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0
67.5°	10.5	6.3	4.2	3.1	2.1	1.0	1.0	1.0	1.0	1.0	0.0
70°	9.4	5.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	7.3	4.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
75°	5.2	3.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
77.5°	4.2	3.1	2.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	2.1
80°	3.1	2.1	2.1	3.1	3.1	3.1	1.0	2.1	2.1	2.1	2.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	1.0	3.1	3.1	3.1	2.1
85°	3.1	3.1	3.1	3.1	4.2	4.2	1.0	4.2	4.2	3.1	3.1
87.5°	4.2	3.1	4.2	4.2	4.2	5.2	1.0	4.2	4.2	4.2	4.2
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°	26.1	26.1	26.1	26.1	26.1
2.5°	16.7	17.8	17.8	17.8	17.8
5°	14.6	13.6	13.6	13.6	13.6
7.5°	8.4	8.4	9.4	9.4	9.4
10°	12.5	12.5	12.5	12.5	12.5
12.5°	10.5	11.5	11.5	11.5	11.5
15°	12.5	12.5	13.6	13.6	13.6
17.5°	11.5	11.5	12.5	12.5	12.5
20°	12.5	13.6	13.6	13.6	13.6
22.5°	11.5	11.5	13.6	13.6	14.6
25°	13.6	12.5	12.5	13.6	12.5
27.5°	12.5	12.5	13.6	13.6	13.6
30°	12.5	11.5	11.5	12.5	12.5
32.5°	11.5	11.5	11.5	11.5	11.5
35°	10.5	10.5	11.5	11.5	11.5
37.5°	9.4	8.4	9.4	9.4	9.4
40°	7.3	7.3	7.3	8.4	8.4
42.5°	5.2	5.2	5.2	5.2	5.2
45°	3.1	3.1	3.1	3.1	3.1
47.5°	2.1	1.0	2.1	2.1	2.1
50°	1.0	1.0	1.0	1.0	1.0
52.5°	0.0	1.0	1.0	1.0	1.0
55°	0.0	1.0	1.0	1.0	1.0
57.5°	0.0	0.0	1.0	1.0	1.0
60°	0.0	0.0	1.0	1.0	1.0
62.5°	0.0	0.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0
67.5°	0.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	2.1	1.0	1.0
77.5°	2.1	2.1	2.1	2.1	1.0
80°	2.1	2.1	2.1	2.1	1.0
82.5°	2.1	2.1	3.1	2.1	1.0
85°	3.1	3.1	3.1	3.1	1.0
87.5°	3.1	3.1	4.2	4.2	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)