

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: P179283

Luminaire Tested: **UTLD-F03-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179283
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3235.7 lumens
Efficiency: N/A
Efficacy: 41.3 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 (A_{in}): 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

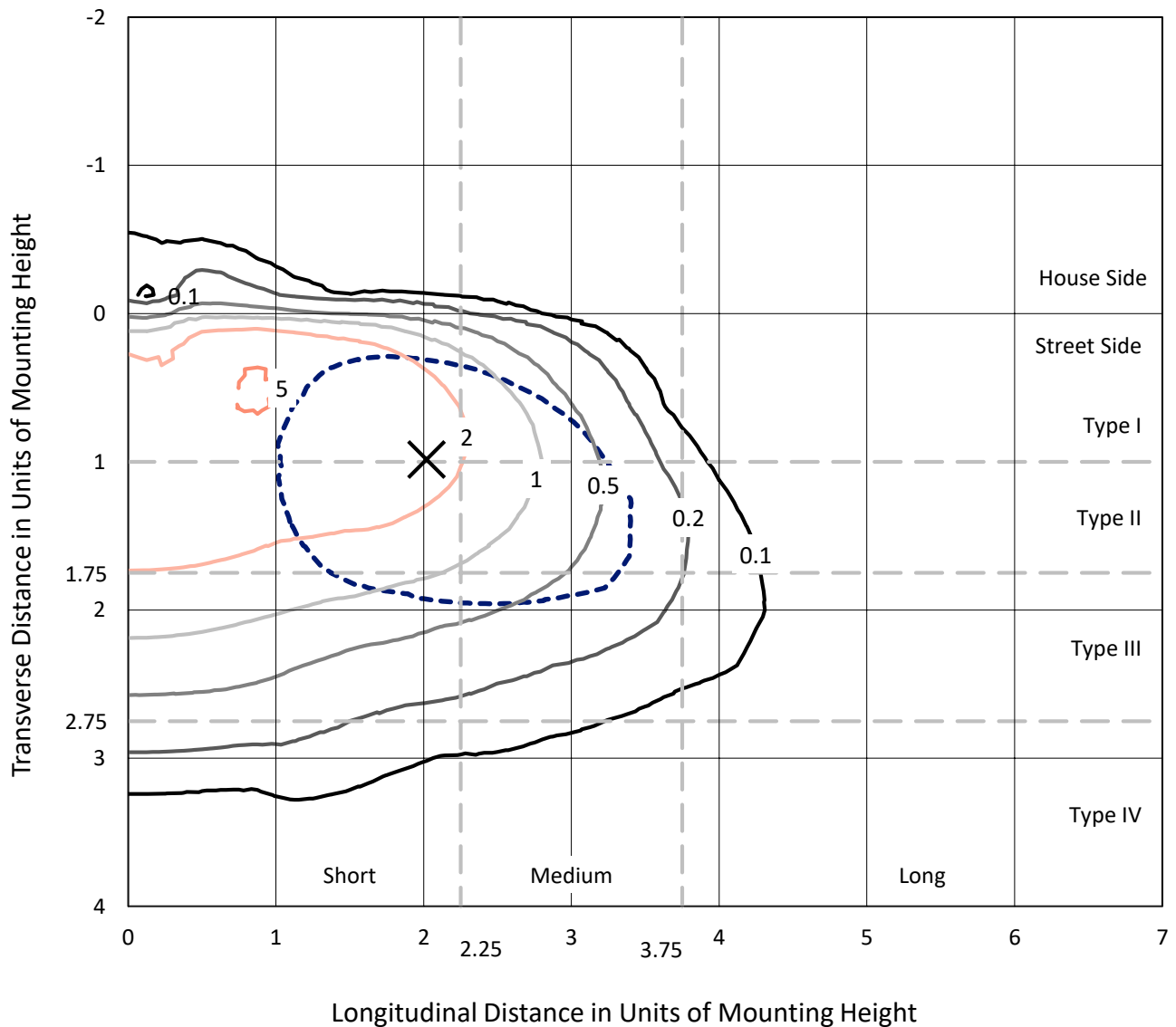


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Iso-Footcandle Lines of Horizontal Illumination

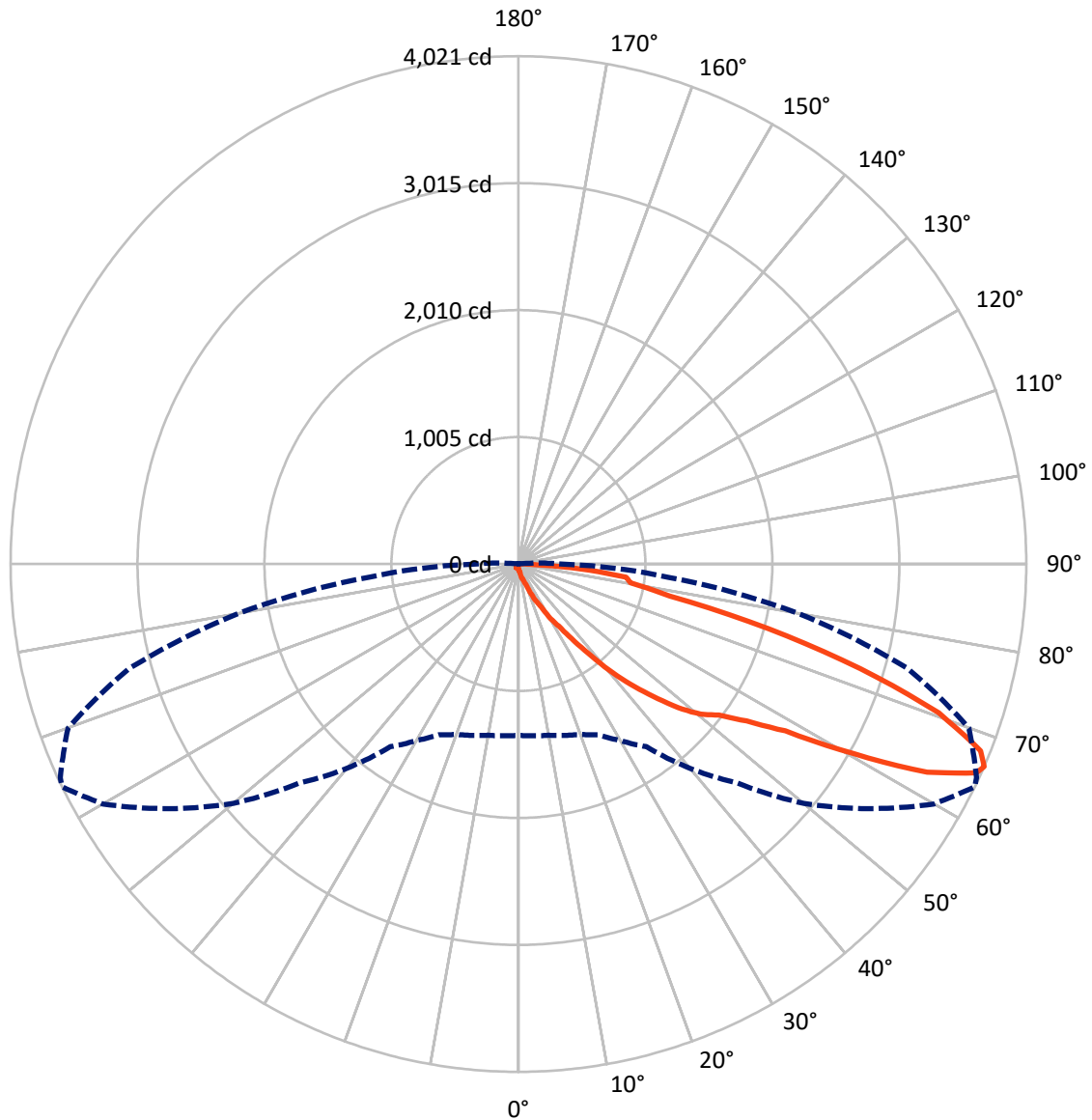
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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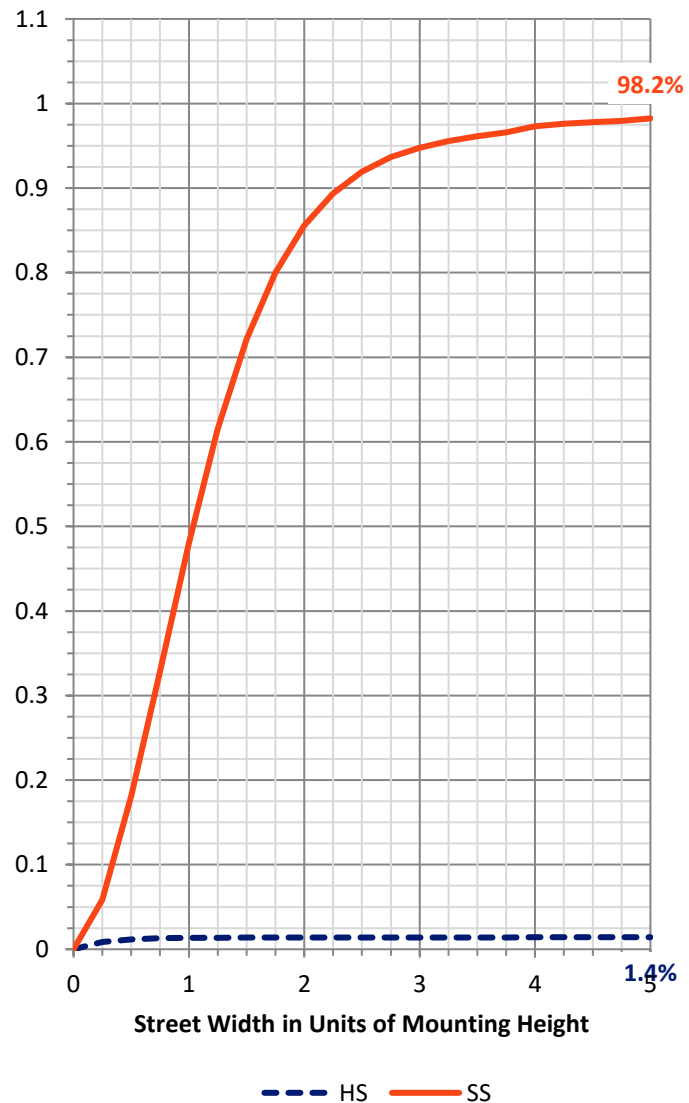
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.2	0.0	47.2
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	3188.4	0.0	3188.4
	% Fixture	98.5	0.0	98.5
Total	Lumens	3235.7	0.0	3235.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	25.3	0.8
20°-30°	77.3	2.4
30°-40°	205.6	6.4
40°-50°	478.1	14.8
50°-60°	815.3	25.2
60°-70°	1076.3	33.3
70°-80°	483.0	14.9
80°-90°	70.3	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°	3235.7	100.0
0°-180°	3235.7	100.0



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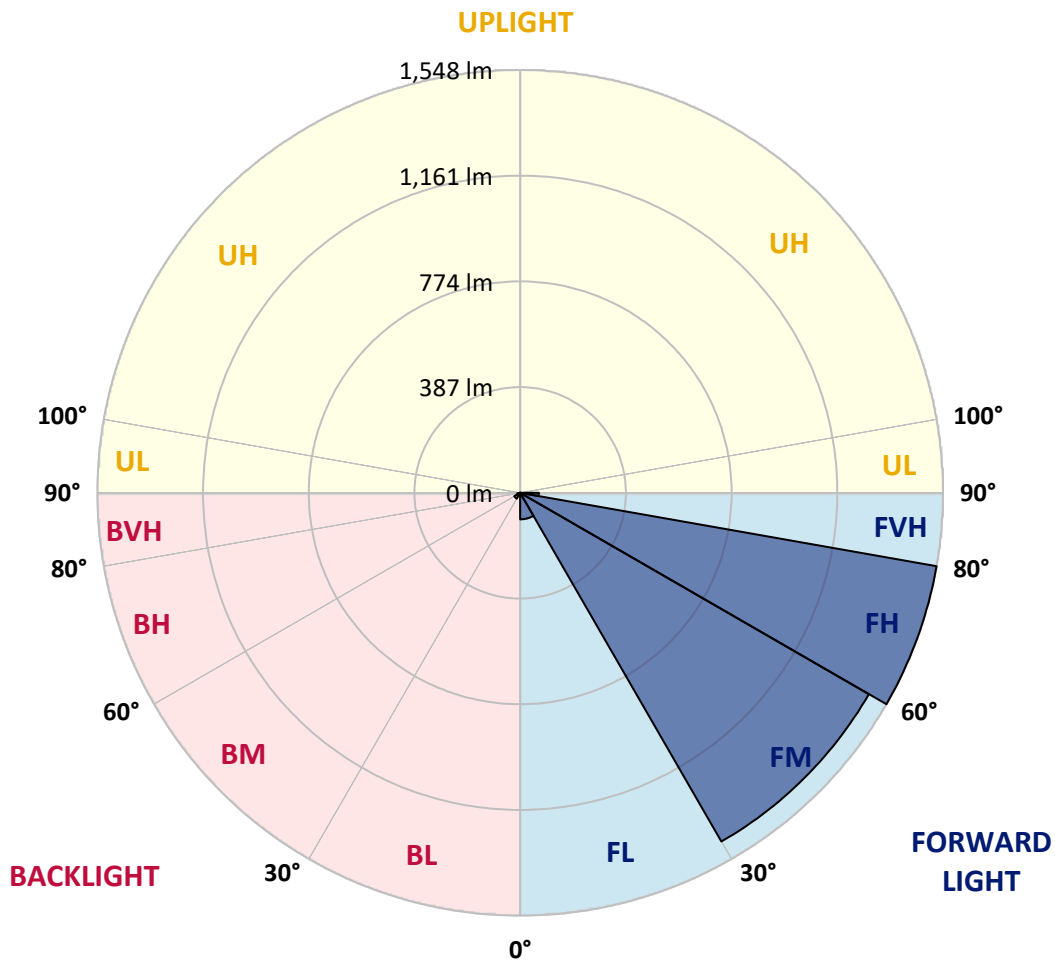
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.1	3.0			
FM	(30°-60°)	1474.5	45.6			
FH	(60°-80°)	1548.5	47.9			G1/1800
FVH	(80°-90°)	68.4	2.1			G1/100
BL	(0°-30°)	9.9	0.3	B0/110		
BM	(30°-60°)	24.5	0.8	B0/220		
BH	(60°-80°)	10.9	0.3	B0/110		G0/110
BVH	(80°-90°)	1.9	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°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
2.5°	55.4	55.4	55.4	54.3	53.3	53.3	52.3	51.2	51.2	51.2	50.2
5°	75.2	72.1	70.0	66.9	64.8	64.8	62.7	61.7	60.6	59.6	57.5
7.5°	111.8	110.8	108.7	107.6	106.6	105.6	102.4	101.4	98.2	89.9	69.0
10°	142.1	136.9	136.9	129.6	125.4	121.2	117.1	115.0	115.0	107.6	102.4
12.5°	170.4	171.4	172.4	173.5	170.4	168.3	165.1	160.9	132.7	126.5	126.5
15°	226.8	224.7	221.6	205.9	182.9	178.7	170.4	171.4	186.0	176.6	150.5
17.5°	235.1	235.1	233.1	229.9	225.7	218.4	219.5	213.2	193.3	189.2	188.1
20°	303.1	303.1	298.9	288.4	264.4	229.9	237.2	228.9	229.9	225.7	214.2
22.5°	329.2	330.3	321.9	310.4	293.7	291.6	274.9	240.4	250.8	244.6	247.7
25°	417.0	414.9	403.4	379.4	357.4	306.2	282.2	287.4	272.8	264.4	303.1
27.5°	513.1	511.1	469.3	421.2	386.7	351.2	334.4	304.1	310.4	317.7	330.3
30°	565.4	560.2	539.3	502.7	460.9	414.9	357.4	349.1	341.7	348.0	434.8
32.5°	683.5	682.5	654.2	610.3	559.1	472.4	424.3	407.6	389.8	442.1	504.8
35°	815.2	811.0	790.1	725.3	658.4	592.6	557.0	503.7	519.4	550.8	648.0
37.5°	918.6	918.6	890.4	832.9	802.6	748.3	702.3	693.9	669.9	715.9	830.9
40°	977.2	983.4	989.7	969.9	940.6	917.6	892.5	875.8	885.2	907.1	1024.2
42.5°	1073.3	1084.8	1104.7	1095.3	1081.7	1086.9	1050.3	1059.7	1076.5	1109.9	1230.1
45°	1213.4	1222.8	1244.7	1261.4	1284.4	1271.9	1202.9	1252.0	1287.6	1309.5	1437.0
47.5°	1352.4	1370.1	1399.4	1424.5	1461.1	1448.5	1409.8	1430.7	1466.3	1489.3	1636.6
50°	1473.6	1490.3	1521.7	1559.3	1575.0	1605.3	1590.6	1601.1	1642.9	1661.7	1805.9
52.5°	1564.5	1572.9	1600.1	1642.9	1659.6	1706.7	1712.9	1711.9	1793.4	1822.7	1973.2
55°	1612.6	1621.0	1647.1	1680.5	1702.5	1766.2	1760.0	1777.7	1899.0	1954.3	2143.5
57.5°	1622.0	1632.5	1653.4	1695.2	1712.9	1788.2	1773.5	1815.3	1974.2	2088.1	2324.3
60°	1604.2	1615.7	1633.5	1673.2	1698.3	1770.4	1792.4	1849.8	2050.5	2233.4	2555.3
62.5°	1527.9	1545.7	1556.2	1599.0	1623.0	1683.7	1784.0	1890.6	2135.1	2370.3	2800.9
65°	1410.9	1420.3	1434.9	1466.3	1494.5	1555.1	1688.9	1843.6	2157.1	2456.0	2944.1
66°	1356.5	1364.9	1376.4	1404.6	1434.9	1491.4	1612.6	1765.2	2109.0	2451.8	2948.2
67.5°	1251.0	1255.2	1276.1	1298.0	1331.5	1367.0	1460.0	1611.5	1966.9	2346.3	2869.9
70°	844.4	858.0	915.5	991.8	1038.8	1033.6	1092.1	1225.9	1539.4	1907.3	2475.8
72.5°	397.1	401.3	408.6	438.9	612.4	648.0	688.7	803.7	1039.9	1328.3	1807.0
75°	325.0	329.2	341.7	357.4	394.0	436.9	451.5	496.4	667.8	823.5	1104.7
77.5°	110.8	113.9	122.3	145.3	222.6	279.0	329.2	409.7	502.7	585.3	724.3
80°	46.0	49.1	53.3	49.1	57.5	95.1	120.2	175.6	306.2	449.4	573.8
82.5°	25.1	26.1	29.3	27.2	33.4	43.9	47.0	51.2	74.2	150.5	321.9
85°	7.3	7.3	8.4	13.6	19.9	29.3	29.3	28.2	28.2	42.8	80.5
87.5°	2.1	2.1	3.1	4.2	6.3	10.5	12.5	12.5	13.6	17.8	26.1
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
2.5°	50.2	50.2	50.2	50.2	49.1	49.1	46.0	41.8	37.6	33.4	30.3
5°	56.4	53.3	52.3	52.3	49.1	49.1	48.1	44.9	34.5	29.3	26.1
7.5°	63.8	59.6	57.5	57.5	54.3	50.2	48.1	46.0	35.5	28.2	25.1
10°	100.3	83.6	72.1	69.0	64.8	59.6	56.4	56.4	41.8	33.4	30.3
12.5°	122.3	116.0	108.7	103.5	75.2	67.9	64.8	56.4	43.9	32.4	28.2
15°	140.0	130.6	122.3	120.2	119.1	90.9	78.4	71.1	51.2	41.8	34.5
17.5°	201.7	160.9	147.4	146.3	132.7	100.3	86.7	71.1	55.4	41.8	34.5
20°	213.2	197.5	175.6	179.8	181.8	158.9	124.4	97.2	73.2	55.4	41.8
22.5°	273.8	265.5	251.9	247.7	208.0	181.8	134.8	113.9	79.4	55.4	41.8
25°	313.5	308.3	326.1	322.9	299.9	252.9	185.0	135.9	99.3	63.8	47.0
27.5°	390.9	416.0	381.5	391.9	348.0	304.1	243.5	168.3	105.6	66.9	48.1
30°	444.2	479.7	502.7	496.4	440.0	354.3	270.7	190.2	115.0	66.9	50.2
32.5°	558.1	582.1	586.3	573.8	540.3	447.3	324.0	218.4	120.2	69.0	53.3
35°	663.6	724.3	723.2	725.3	658.4	550.8	391.9	235.1	128.5	69.0	53.3
37.5°	867.4	900.9	896.7	895.7	821.5	673.0	461.9	284.3	138.0	69.0	52.3
40°	1063.9	1104.7	1103.6	1092.1	1013.8	819.4	580.0	324.0	147.4	71.1	49.1
42.5°	1254.1	1272.9	1304.3	1308.5	1174.7	987.6	700.2	378.3	157.8	73.2	47.0
45°	1452.7	1431.8	1491.4	1487.2	1363.9	1166.3	802.6	442.1	174.5	71.1	43.9
47.5°	1653.4	1649.2	1700.4	1662.8	1570.8	1379.5	949.0	510.0	185.0	67.9	40.8
50°	1831.0	1864.5	1868.6	1813.3	1766.2	1588.6	1142.3	600.9	205.9	62.7	38.7
52.5°	1986.7	2041.1	1986.7	1975.2	1973.2	1754.7	1305.3	682.5	225.7	57.5	35.5
55°	2181.1	2220.8	2191.6	2195.8	2216.7	2036.9	1506.0	832.9	260.2	52.3	32.4
57.5°	2429.9	2509.3	2492.6	2565.7	2569.9	2436.1	1791.3	1004.3	301.0	48.1	29.3
60°	2760.1	2955.6	3050.7	3132.2	3038.1	2870.9	2108.0	1146.5	333.4	43.9	26.1
62.5°	3139.5	3461.4	3630.7	3722.7	3463.5	3106.0	2236.5	1207.1	340.7	38.7	23.0
65°	3356.9	3759.2	3985.0	3991.2	3743.6	3177.1	2255.3	1205.0	333.4	33.4	19.9
66°	3376.7	3797.9	4020.5	4001.7	3793.7	3185.5	2242.8	1186.2	326.1	31.4	18.8
67.5°	3304.6	3725.8	3946.3	3910.8	3763.4	3138.4	2160.2	1138.1	311.4	28.2	17.8
70°	2928.4	3306.7	3530.4	3482.3	3492.7	2861.5	1813.3	970.9	271.7	23.0	15.7
72.5°	2308.6	2734.0	2832.2	2796.7	2860.4	2116.3	1281.3	681.4	202.8	18.8	13.6
75°	1548.8	1974.2	2042.1	2013.9	1813.3	1066.0	509.0	287.4	105.6	15.7	11.5
77.5°	933.3	1243.7	1225.9	1229.0	970.9	432.7	96.1	66.9	35.5	12.5	8.4
80°	682.5	863.3	898.8	920.7	761.9	283.2	53.3	39.7	20.9	9.4	6.3
82.5°	553.9	773.4	860.1	868.5	689.8	224.7	40.8	31.4	15.7	7.3	4.2
85°	151.5	395.0	488.1	463.0	293.7	76.3	29.3	20.9	10.5	5.2	4.2
87.5°	35.5	89.9	113.9	117.1	83.6	28.2	25.1	19.9	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°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
2.5°	29.3	28.2	27.2	26.1	26.1	25.1	25.1	25.1	24.0	25.1	25.1
5°	25.1	24.0	23.0	21.9	20.9	20.9	20.9	21.9	23.0	23.0	23.0
7.5°	24.0	21.9	20.9	20.9	20.9	14.6	10.5	9.4	9.4	9.4	10.5
10°	25.1	21.9	23.0	12.5	8.4	8.4	8.4	8.4	8.4	11.5	13.6
12.5°	26.1	24.0	13.6	12.5	11.5	10.5	12.5	11.5	11.5	12.5	12.5
15°	30.3	18.8	14.6	12.5	14.6	15.7	14.6	13.6	11.5	11.5	13.6
17.5°	25.1	18.8	16.7	18.8	18.8	15.7	13.6	15.7	15.7	14.6	13.6
20°	30.3	26.1	23.0	19.9	17.8	16.7	17.8	15.7	14.6	14.6	15.7
22.5°	32.4	28.2	29.3	26.1	24.0	18.8	17.8	15.7	16.7	15.7	15.7
25°	39.7	39.7	34.5	27.2	25.1	21.9	20.9	16.7	16.7	14.6	15.7
27.5°	42.8	38.7	34.5	31.4	28.2	21.9	20.9	17.8	15.7	15.7	13.6
30°	44.9	39.7	35.5	31.4	27.2	24.0	20.9	17.8	15.7	14.6	14.6
32.5°	48.1	41.8	34.5	29.3	26.1	21.9	20.9	16.7	14.6	12.5	12.5
35°	44.9	38.7	33.4	29.3	24.0	20.9	18.8	15.7	12.5	12.5	11.5
37.5°	41.8	35.5	30.3	27.2	23.0	18.8	16.7	13.6	11.5	10.5	10.5
40°	39.7	33.4	28.2	24.0	19.9	16.7	14.6	11.5	9.4	8.4	8.4
42.5°	36.6	30.3	25.1	20.9	17.8	14.6	12.5	9.4	7.3	6.3	6.3
45°	34.5	28.2	23.0	18.8	14.6	12.5	9.4	7.3	5.2	4.2	4.2
47.5°	32.4	26.1	19.9	15.7	12.5	10.5	7.3	5.2	3.1	3.1	2.1
50°	29.3	23.0	17.8	13.6	10.5	8.4	5.2	3.1	2.1	1.0	1.0
52.5°	27.2	19.9	15.7	11.5	8.4	6.3	4.2	2.1	1.0	1.0	1.0
55°	24.0	17.8	13.6	9.4	7.3	4.2	2.1	1.0	1.0	1.0	1.0
57.5°	20.9	14.6	11.5	8.4	5.2	3.1	2.1	1.0	1.0	1.0	0.0
60°	17.8	12.5	9.4	6.3	4.2	2.1	1.0	1.0	1.0	1.0	0.0
62.5°	15.7	10.5	7.3	5.2	3.1	2.1	1.0	1.0	1.0	1.0	0.0
65°	13.6	8.4	6.3	4.2	2.1	2.1	1.0	1.0	1.0	1.0	0.0
66°	12.5	8.4	5.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0
67.5°	11.5	7.3	5.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
70°	10.5	6.3	4.2	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	9.4	5.2	3.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
75°	6.3	3.1	3.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	2.1
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°	4.2	3.1	3.1	3.1	3.1	3.1	1.0	3.1	3.1	3.1	2.1
82.5°	3.1	3.1	3.1	3.1	4.2	4.2	1.0	4.2	4.2	3.1	3.1
85°	3.1	3.1	3.1	4.2	4.2	5.2	1.0	4.2	4.2	4.2	4.2
87.5°	3.1	4.2	4.2	4.2	5.2	5.2	2.1	5.2	5.2	5.2	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°	38.7	38.7	38.7	38.7	38.7
2.5°	25.1	26.1	26.1	27.2	27.2
5°	20.9	20.9	18.8	18.8	17.8
7.5°	10.5	10.5	11.5	11.5	11.5
10°	14.6	15.7	15.7	15.7	16.7
12.5°	12.5	13.6	14.6	14.6	14.6
15°	14.6	15.7	16.7	16.7	16.7
17.5°	13.6	13.6	14.6	14.6	15.7
20°	15.7	15.7	15.7	15.7	15.7
22.5°	13.6	13.6	15.7	16.7	16.7
25°	15.7	14.6	14.6	15.7	14.6
27.5°	13.6	14.6	15.7	15.7	15.7
30°	13.6	13.6	13.6	13.6	14.6
32.5°	13.6	13.6	13.6	13.6	13.6
35°	11.5	12.5	12.5	13.6	13.6
37.5°	10.5	10.5	11.5	11.5	11.5
40°	8.4	8.4	8.4	9.4	9.4
42.5°	6.3	6.3	6.3	7.3	6.3
45°	4.2	4.2	4.2	4.2	4.2
47.5°	2.1	2.1	3.1	3.1	3.1
50°	1.0	1.0	2.1	2.1	2.1
52.5°	1.0	1.0	1.0	2.1	2.1
55°	1.0	1.0	1.0	1.0	2.1
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
66°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	2.1
72.5°	1.0	1.0	2.1	1.0	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	3.1	3.1	2.1	2.1
82.5°	3.1	3.1	3.1	3.1	2.1
85°	3.1	3.1	4.2	4.2	2.1
87.5°	4.2	4.2	4.2	4.2	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)