

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: P179229

Luminaire Tested: **UTLD-E01-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179229
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34324)
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-SL2-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1483.4 lumens
Efficiency: N/A
Efficacy: 60.1 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): 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



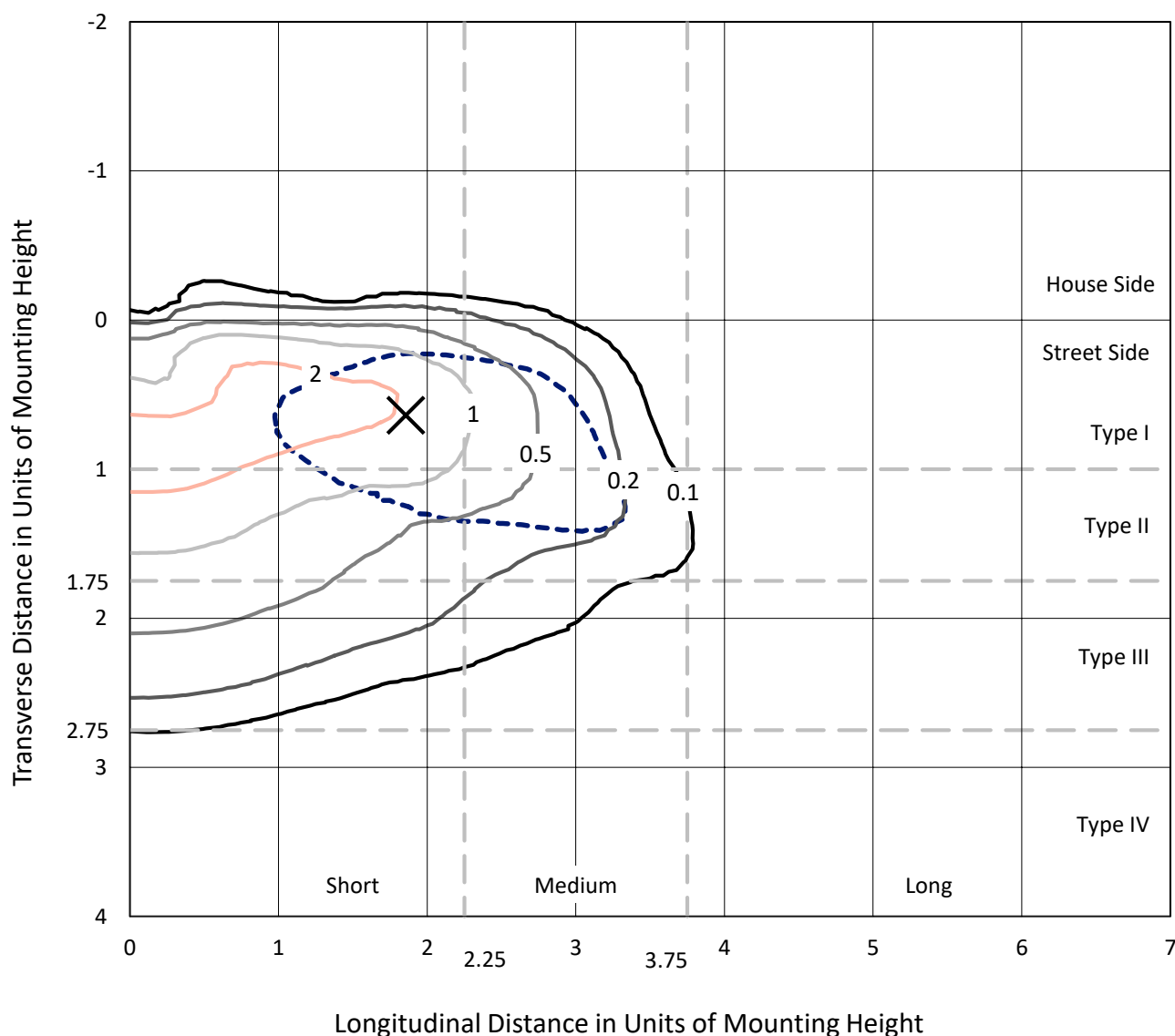
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

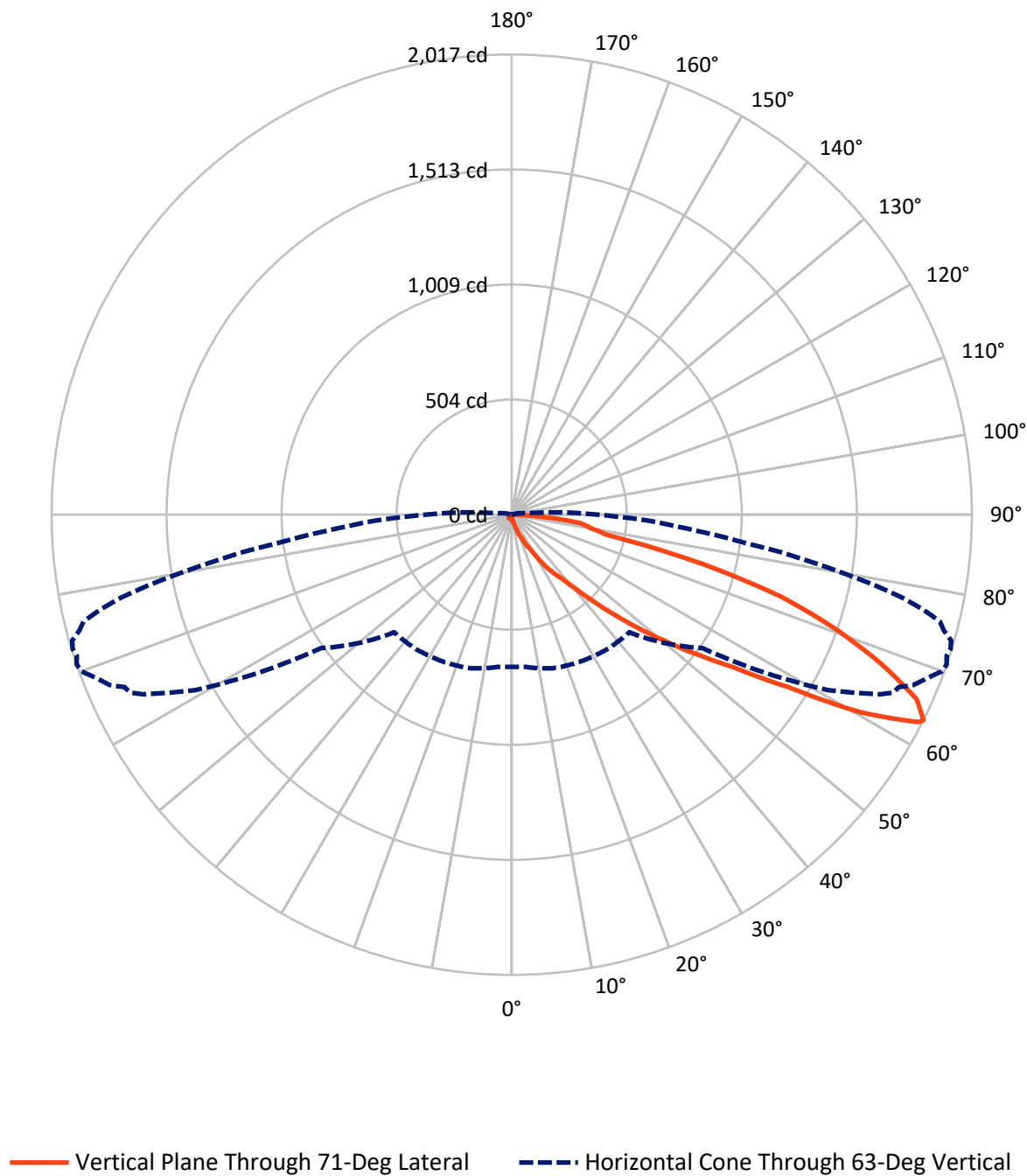


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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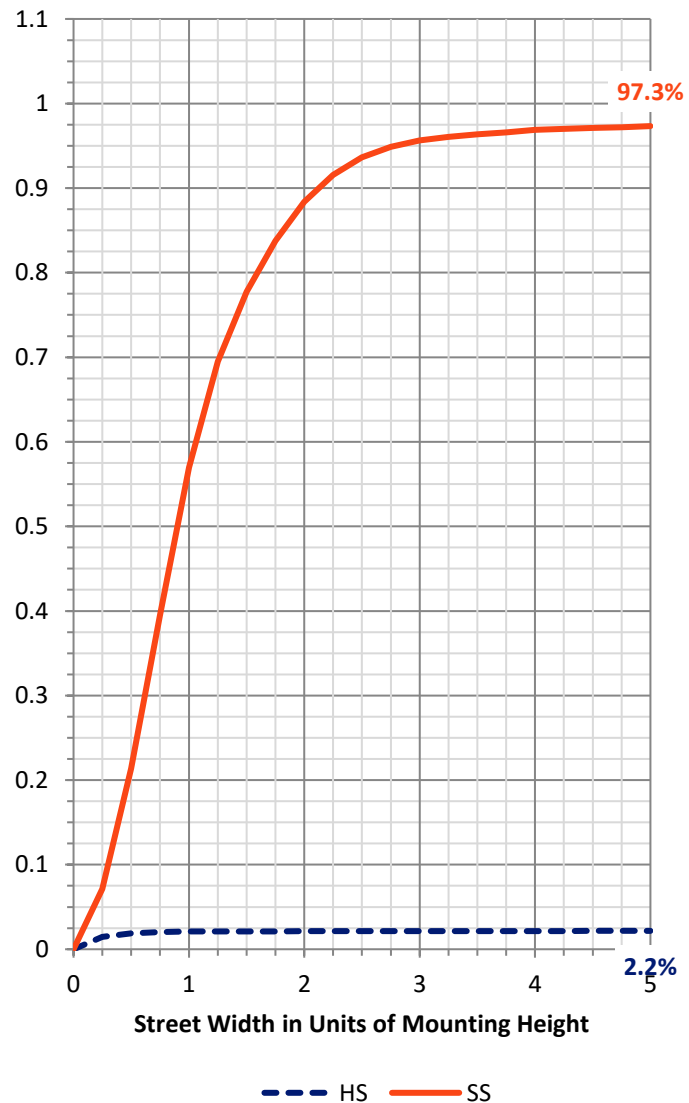
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32.9	0.0	32.9
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1450.5	0.0	1450.5
	% Fixture	97.8	0.0	97.8
Total	Lumens	1483.4	0.0	1483.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	11.8	0.8
20°-30°	36.0	2.4
30°-40°	110.9	7.5
40°-50°	263.6	17.8
50°-60°	380.9	25.7
60°-70°	471.3	31.8
70°-80°	178.9	12.1
80°-90°	27.9	1.9
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°	1483.4	100.0
0°-180°	1483.4	100.0

Coefficient of Utilization



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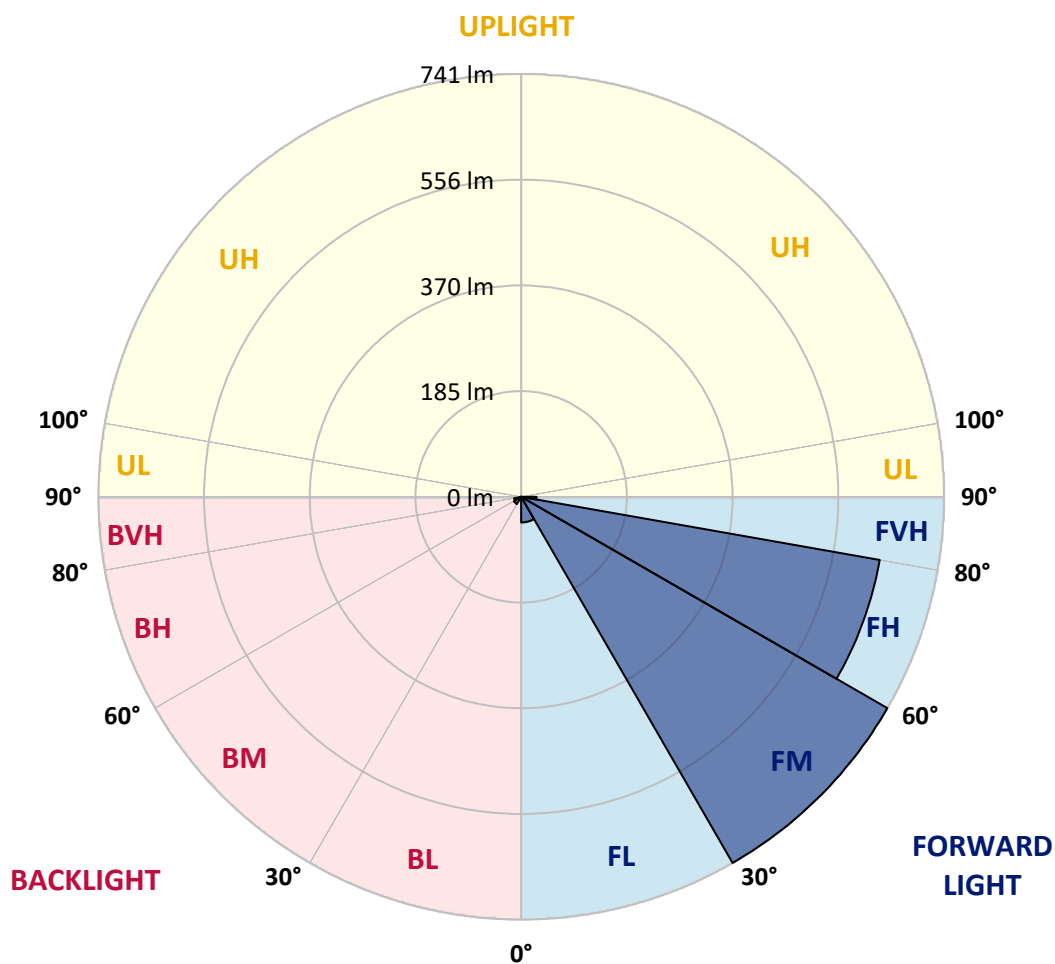
CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	45.0	3.0			
FM	(30°-60°)	740.8	49.9			
FH	(60°-80°)	637.8	43.0			G0/660
FVH	(80°-90°)	26.9	1.8			G1/100
BL	(0°-30°)	4.9	0.3	B0/110		
BM	(30°-60°)	14.6	1.0	B0/220		
BH	(60°-80°)	12.4	0.8	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
2.5°	28.3	27.9	26.9	26.9	26.5	26.5	26.0	25.6	25.6	25.6	25.1
5°	33.3	32.9	31.5	30.1	30.1	29.2	27.4	26.9	26.5	26.0	26.0
7.5°	54.3	53.9	53.0	51.6	49.3	33.8	30.1	29.7	29.2	28.8	28.3
10°	60.7	60.7	60.3	58.5	56.2	52.5	48.0	34.7	33.8	34.3	35.6
12.5°	81.7	79.5	80.8	78.5	66.2	62.1	63.5	58.9	58.0	57.5	44.8
15°	87.2	84.9	80.8	81.3	83.1	88.1	71.7	67.6	65.3	63.9	63.9
17.5°	95.9	95.9	96.4	96.4	92.7	94.5	93.2	82.7	82.2	80.4	79.9
20°	117.8	116.9	104.1	98.2	108.2	110.5	111.0	95.4	92.2	91.8	94.5
22.5°	124.7	123.8	121.5	123.8	111.0	124.7	143.4	142.9	139.3	137.5	126.0
25°	158.9	157.6	149.3	127.9	136.5	137.0	155.3	156.6	155.7	158.9	168.5
27.5°	183.6	185.4	166.7	153.0	143.9	163.5	197.7	201.9	201.9	197.3	197.7
30°	233.8	232.9	212.4	177.6	173.5	175.8	217.8	232.0	243.9	236.6	244.8
32.5°	336.1	331.5	300.0	236.6	207.8	217.4	261.2	278.1	275.4	271.3	278.6
35°	484.1	480.9	416.0	355.3	298.7	276.3	308.7	337.0	331.1	344.3	349.4
37.5°	588.2	580.0	552.1	490.9	435.7	398.7	412.4	401.4	400.0	409.2	408.3
40°	664.9	665.4	655.8	606.0	565.8	545.3	547.1	506.5	503.7	506.9	500.5
42.5°	702.4	705.6	713.3	688.7	672.2	674.5	692.8	658.5	657.2	648.9	624.3
45°	725.2	729.3	753.1	761.3	756.3	779.1	828.9	801.0	803.3	810.6	775.4
47.5°	727.9	733.9	764.9	789.6	809.7	855.8	932.1	938.5	945.3	951.3	925.2
50°	701.0	703.3	742.6	778.2	807.9	894.6	1010.6	1050.4	1062.7	1062.7	1040.8
52.5°	652.1	655.3	692.8	731.6	759.9	892.8	1061.3	1133.5	1160.9	1161.8	1130.3
55°	631.1	634.8	663.1	697.3	711.5	848.5	1092.4	1208.8	1237.6	1242.6	1223.9
57.5°	631.1	635.2	658.1	678.2	685.5	796.9	1111.1	1297.0	1329.4	1360.4	1359.5
60°	659.4	664.0	682.3	680.9	674.1	760.4	1102.9	1404.7	1457.3	1509.3	1569.1
62.5°	675.9	678.2	703.3	710.6	709.2	733.4	1038.5	1485.1	1566.4	1642.2	1771.9
63°	666.7	669.5	697.3	710.6	722.5	729.3	1020.7	1493.8	1585.6	1652.7	1796.6
65°	617.4	617.9	647.6	664.0	744.4	728.9	925.2	1476.9	1589.2	1655.9	1816.2
67.5°	489.1	491.8	512.4	540.2	614.7	739.8	795.1	1283.3	1397.0	1450.4	1629.0
70°	257.6	269.0	285.9	322.9	424.7	628.4	665.4	945.3	1055.4	1134.8	1339.9
72.5°	78.1	72.6	94.5	138.4	216.0	434.8	583.6	667.7	731.1	810.1	1028.4
75°	35.2	36.1	41.1	58.9	94.5	233.4	510.1	548.5	557.1	584.1	716.5
77.5°	20.1	20.6	24.2	33.3	49.3	116.5	386.3	491.8	485.0	494.6	518.8
80°	13.2	13.7	17.4	23.7	27.4	57.1	219.2	383.6	406.0	430.6	448.5
82.5°	7.3	7.3	11.0	19.2	17.8	27.4	86.3	251.2	291.4	316.9	370.4
85°	3.2	3.7	6.4	12.8	11.0	12.8	41.6	85.4	97.7	102.8	127.9
87.5°	0.9	0.9	1.8	4.6	4.6	5.9	12.3	38.4	40.6	43.8	53.4
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°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
2.5°	25.1	25.1	24.2	23.7	22.4	22.4	21.5	21.9	20.6	20.1	19.2
5°	25.6	25.6	25.6	25.6	25.1	25.1	25.1	25.1	25.1	25.1	24.7
7.5°	27.9	27.9	27.9	27.9	27.4	26.9	26.0	26.0	25.6	25.6	25.6
10°	35.6	35.2	34.3	33.8	33.3	32.9	32.0	32.4	31.5	32.0	31.1
12.5°	42.5	41.6	40.2	38.8	38.4	37.9	37.0	36.5	36.1	37.0	36.5
15°	66.2	65.8	66.2	63.9	52.1	51.6	52.1	51.1	50.2	48.9	47.0
17.5°	79.0	77.6	73.1	71.2	71.7	70.3	66.7	59.4	55.3	53.4	52.5
20°	101.4	101.8	102.8	102.8	100.9	98.6	96.4	95.9	93.2	83.6	79.9
22.5°	121.5	121.5	119.2	116.9	114.2	114.6	111.4	104.1	101.8	99.1	97.7
25°	174.4	171.7	165.3	163.0	160.7	154.8	147.0	142.9	141.6	139.7	133.8
27.5°	197.3	193.6	192.3	189.5	181.3	171.7	168.5	166.2	168.5	157.6	149.8
30°	238.8	238.4	237.0	231.1	221.0	213.3	213.7	211.4	196.4	185.0	177.6
32.5°	281.3	278.1	289.1	278.1	269.0	272.2	268.1	253.9	243.4	231.5	230.2
35°	348.0	348.0	338.9	327.0	328.3	330.6	311.0	296.4	289.5	284.5	274.5
37.5°	409.2	406.4	389.5	383.2	390.5	377.7	355.7	346.2	343.9	335.2	319.2
40°	492.3	475.9	463.1	461.7	460.8	431.1	418.8	419.7	407.8	390.5	372.2
42.5°	606.5	580.0	570.4	571.3	538.4	514.7	510.1	498.7	483.2	463.5	447.1
45°	738.0	712.4	712.9	684.1	642.5	622.0	617.4	599.6	580.4	557.6	533.9
47.5°	880.9	862.7	871.8	814.3	777.7	765.8	736.6	708.8	686.4	658.5	628.8
50°	1009.7	1019.3	999.2	949.0	922.5	906.5	872.2	837.5	808.8	766.3	726.1
52.5°	1130.3	1148.5	1117.0	1070.9	1074.6	1044.0	1017.5	982.3	943.9	893.7	851.2
55°	1250.8	1254.9	1228.9	1213.8	1212.9	1193.3	1181.4	1156.3	1104.7	1054.0	1034.8
57.5°	1402.9	1397.9	1379.6	1403.4	1405.2	1411.6	1424.4	1398.3	1382.8	1345.8	1316.1
60°	1622.6	1618.5	1626.7	1696.5	1710.7	1753.2	1762.3	1763.2	1750.0	1761.9	1689.7
62.5°	1816.7	1833.1	1886.5	1918.9	1952.3	1993.4	2002.5	1985.6	1994.3	1995.2	1939.0
63°	1845.0	1857.8	1913.0	1940.9	1972.8	2007.1	2017.1	2004.3	2012.1	2004.3	1961.9
65°	1857.3	1863.2	1928.1	1920.8	1961.4	1976.5	1950.9	1945.9	1974.7	1933.6	1925.8
67.5°	1675.1	1711.2	1754.5	1754.5	1786.1	1782.9	1748.6	1755.9	1756.4	1740.4	1736.3
70°	1400.6	1473.7	1482.8	1515.7	1537.6	1518.4	1511.1	1516.2	1477.8	1486.5	1448.1
72.5°	1114.3	1192.8	1207.4	1268.6	1275.0	1231.7	1242.2	1212.0	1170.0	1144.0	1091.0
75°	811.1	860.8	904.2	921.6	922.0	880.9	863.1	793.7	732.1	658.1	638.4
77.5°	566.3	560.8	577.2	567.6	503.3	482.7	424.7	390.9	359.4	304.6	274.5
80°	457.6	452.6	460.3	439.8	411.9	388.6	347.1	316.0	280.9	257.1	220.6
82.5°	390.5	411.0	416.0	386.8	372.6	353.0	305.1	271.3	237.0	206.4	177.6
85°	148.9	177.6	175.4	182.7	183.1	173.1	152.5	121.0	95.9	77.6	63.0
87.5°	57.5	64.4	60.3	59.8	60.3	55.3	47.0	41.6	35.2	28.3	23.7
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
2.5°	18.7	17.8	17.8	16.9	16.9	16.4	16.4	16.0	16.0	15.5	15.5
5°	24.7	24.7	24.2	23.3	21.0	20.1	18.3	16.9	16.4	16.0	15.5
7.5°	25.6	25.6	25.1	25.1	24.7	24.2	23.7	22.4	20.1	18.3	16.9
10°	31.1	30.1	30.6	31.5	31.1	31.1	30.6	30.1	29.2	28.3	22.8
12.5°	36.1	35.6	34.7	32.9	32.0	31.5	31.5	31.1	30.6	30.1	29.2
15°	45.7	44.3	43.8	42.5	41.6	40.2	40.6	40.2	39.3	37.4	33.3
17.5°	50.7	49.8	48.4	48.9	48.0	45.2	40.6	39.3	37.9	36.5	35.2
20°	78.5	77.2	74.4	69.9	64.4	61.7	59.4	57.1	57.5	57.1	53.4
22.5°	91.8	83.6	78.5	74.9	73.5	73.5	71.7	72.6	66.7	64.8	57.1
25°	123.3	117.4	111.0	107.3	105.5	101.4	93.6	88.1	82.2	80.4	74.4
27.5°	147.5	142.0	142.0	136.1	126.0	118.3	110.5	105.9	98.6	93.6	87.2
30°	177.6	170.8	162.1	151.2	141.6	134.3	128.8	117.8	111.0	104.1	91.3
32.5°	221.9	209.2	198.2	188.2	179.5	164.9	156.2	147.0	132.9	118.3	111.9
35°	263.0	247.1	234.7	224.2	206.4	196.4	183.1	162.6	147.5	140.2	125.6
37.5°	303.2	288.2	276.3	255.7	239.8	222.9	200.9	185.9	172.6	154.4	134.3
40°	355.7	338.9	314.6	296.8	275.8	247.5	231.1	212.8	190.4	168.1	151.2
42.5°	424.7	397.8	378.1	355.7	317.4	299.1	276.7	244.3	216.0	195.9	168.1
45°	507.8	480.0	459.0	415.1	387.3	359.4	325.6	287.7	259.4	227.9	204.1
47.5°	596.0	576.8	532.0	488.2	460.8	419.2	380.4	341.1	301.9	274.0	231.1
50°	706.0	657.6	608.3	576.8	532.5	485.9	440.2	390.5	356.2	313.3	271.7
52.5°	816.1	749.4	713.8	667.2	606.9	553.5	500.5	452.1	403.7	357.6	308.3
55°	964.5	897.8	844.4	777.3	708.8	647.6	592.8	532.9	480.0	420.6	366.7
57.5°	1235.8	1162.2	1085.5	985.0	901.5	827.5	753.5	682.7	603.7	539.8	474.5
60°	1641.3	1564.1	1458.6	1341.3	1212.0	1096.9	991.4	885.5	787.8	709.2	608.3
62.5°	1908.0	1828.5	1730.8	1591.5	1455.0	1302.4	1170.9	1023.9	914.7	801.9	708.8
63°	1934.5	1850.0	1751.8	1619.8	1475.5	1332.6	1199.2	1038.9	927.1	813.8	717.4
65°	1893.8	1841.3	1750.0	1639.5	1527.6	1388.3	1242.6	1085.1	958.6	843.5	730.7
67.5°	1692.4	1668.2	1608.9	1548.6	1448.6	1351.8	1218.4	1079.6	945.3	836.2	732.1
70°	1433.5	1400.2	1353.6	1329.4	1260.4	1178.2	1086.4	977.7	880.9	773.6	679.1
72.5°	1071.4	1005.6	968.2	927.5	883.7	826.1	772.7	711.5	633.0	575.9	480.9
75°	560.8	487.7	438.0	379.5	332.5	284.5	258.9	241.6	215.1	185.9	164.4
77.5°	227.4	190.0	153.4	130.6	98.2	78.5	67.1	59.4	54.8	48.9	45.2
80°	190.9	152.5	122.8	93.2	68.5	49.8	37.0	28.8	24.7	21.5	19.6
82.5°	154.4	132.4	110.1	86.8	66.7	53.9	39.7	28.3	20.6	16.4	14.2
85°	49.3	43.4	33.8	28.3	23.3	19.6	16.4	13.2	11.9	11.0	10.0
87.5°	20.6	16.0	14.6	13.2	12.8	12.3	12.3	11.4	10.5	9.1	8.2
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
2.5°	15.1	15.1	14.6	15.1	14.2	13.2	12.8	12.3	11.9	11.9	11.9
5°	15.5	15.1	14.6	14.2	12.8	11.9	11.0	10.0	11.4	10.0	6.9
7.5°	16.0	15.5	14.6	14.2	12.8	11.4	10.5	6.4	4.1	4.1	4.6
10°	21.5	20.1	19.6	18.3	16.9	12.3	7.8	4.1	3.7	5.5	6.4
12.5°	23.3	21.9	20.6	19.2	16.0	13.2	6.4	5.5	6.9	5.5	5.9
15°	31.5	26.9	25.6	24.2	21.5	15.5	7.3	7.3	6.9	5.9	6.9
17.5°	34.7	29.7	28.3	27.4	21.0	10.0	8.2	8.7	6.9	7.8	6.4
20°	50.2	44.8	40.6	38.8	28.3	14.6	11.4	8.2	8.7	6.9	7.8
22.5°	57.5	53.4	49.3	48.4	32.0	16.0	13.2	11.4	8.2	8.2	7.3
25°	71.2	65.8	58.9	53.0	33.8	20.1	16.0	11.4	9.6	7.8	7.3
27.5°	80.8	71.7	65.8	62.1	36.5	21.0	15.5	12.8	9.6	7.3	6.4
30°	84.5	79.5	71.2	62.1	37.0	21.9	16.4	12.3	9.6	7.3	6.9
32.5°	103.2	91.8	79.9	73.1	39.7	23.3	16.0	12.3	9.1	6.9	6.4
35°	110.5	99.6	86.8	77.2	41.6	22.4	15.5	11.0	8.2	6.4	5.0
37.5°	122.4	106.4	94.1	82.2	42.0	21.0	14.2	10.5	7.3	5.5	4.6
40°	131.1	117.8	99.6	86.3	42.0	19.6	13.2	9.1	6.4	4.6	3.7
42.5°	151.6	128.3	110.1	94.5	42.9	17.8	11.9	7.8	5.5	3.2	2.7
45°	173.5	151.2	127.0	108.2	43.8	16.4	10.5	6.9	4.1	2.3	1.4
47.5°	204.6	175.4	148.0	124.2	44.3	15.1	9.6	5.9	3.2	1.4	0.9
50°	234.3	202.8	169.4	145.2	45.2	13.7	8.2	5.0	2.3	0.9	0.5
52.5°	269.0	230.2	196.4	162.1	45.7	12.8	7.3	4.1	1.4	0.5	0.0
55°	318.3	277.2	229.7	193.6	46.6	11.4	5.9	3.2	0.9	0.5	0.0
57.5°	416.5	360.8	302.3	250.3	51.1	10.0	5.0	2.3	0.5	0.5	0.0
60°	536.1	474.0	396.9	321.5	60.3	8.7	4.1	1.4	0.5	0.0	0.0
62.5°	622.9	543.0	451.2	369.9	66.7	7.3	3.7	0.9	0.5	0.5	0.0
63°	637.1	550.8	455.3	373.1	67.1	7.3	3.2	0.9	0.5	0.0	0.0
65°	647.6	558.1	460.8	378.1	68.5	6.4	2.7	0.9	0.5	0.5	0.0
67.5°	638.9	542.1	447.5	368.5	69.4	5.5	2.3	0.9	0.5	0.5	0.5
70°	579.5	493.2	410.6	336.6	64.4	4.6	1.8	0.9	0.5	0.5	0.5
72.5°	416.5	371.3	295.5	243.0	49.3	4.1	1.8	1.4	0.5	0.9	0.9
75°	140.2	125.6	104.6	92.7	28.8	2.7	1.4	1.4	0.5	0.9	0.9
77.5°	40.2	37.4	32.4	29.7	14.6	2.3	1.4	1.4	0.5	1.4	1.4
80°	17.4	16.0	14.2	12.3	6.4	1.8	1.4	1.8	0.5	1.8	1.4
82.5°	12.8	11.4	10.0	8.2	3.7	1.8	1.8	2.3	0.5	1.8	1.8
85°	9.1	8.2	6.9	5.9	2.7	1.8	1.8	2.3	0.9	2.3	2.3
87.5°	7.3	6.4	5.5	4.1	2.7	1.8	1.8	2.7	0.9	2.7	2.3
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):

	165°	175°	180°
0°	15.1	15.1	15.1
2.5°	11.9	12.3	12.3
5°	5.9	6.4	6.4
7.5°	5.0	5.5	5.5
10°	6.9	6.9	6.9
12.5°	6.4	6.9	6.9
15°	7.3	7.8	7.8
17.5°	6.4	8.2	8.7
20°	7.3	7.3	7.3
22.5°	7.3	7.8	7.8
25°	6.9	6.9	6.9
27.5°	6.9	6.9	6.9
30°	5.9	6.9	6.9
32.5°	5.9	5.9	5.9
35°	5.5	5.5	5.5
37.5°	4.6	5.0	5.0
40°	3.7	3.7	3.7
42.5°	2.3	2.3	2.3
45°	1.4	1.4	1.4
47.5°	0.9	0.9	0.9
50°	0.5	0.5	0.5
52.5°	0.5	0.5	0.5
55°	0.0	0.5	0.5
57.5°	0.0	0.0	0.5
60°	0.0	0.0	0.5
62.5°	0.0	0.0	0.5
63°	0.0	0.0	0.5
65°	0.5	0.0	0.5
67.5°	0.5	0.5	0.5
70°	0.5	0.5	0.5
72.5°	0.9	0.5	0.9
75°	0.9	0.9	0.9
77.5°	1.4	0.9	0.9
80°	1.4	1.4	0.9
82.5°	1.8	1.4	0.5
85°	1.8	1.8	0.9
87.5°	2.3	2.3	0.9
90°	0.0	0.0	0.0

(END OF REPORT)