

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: P157173

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157173
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
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-T3-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5634.1 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

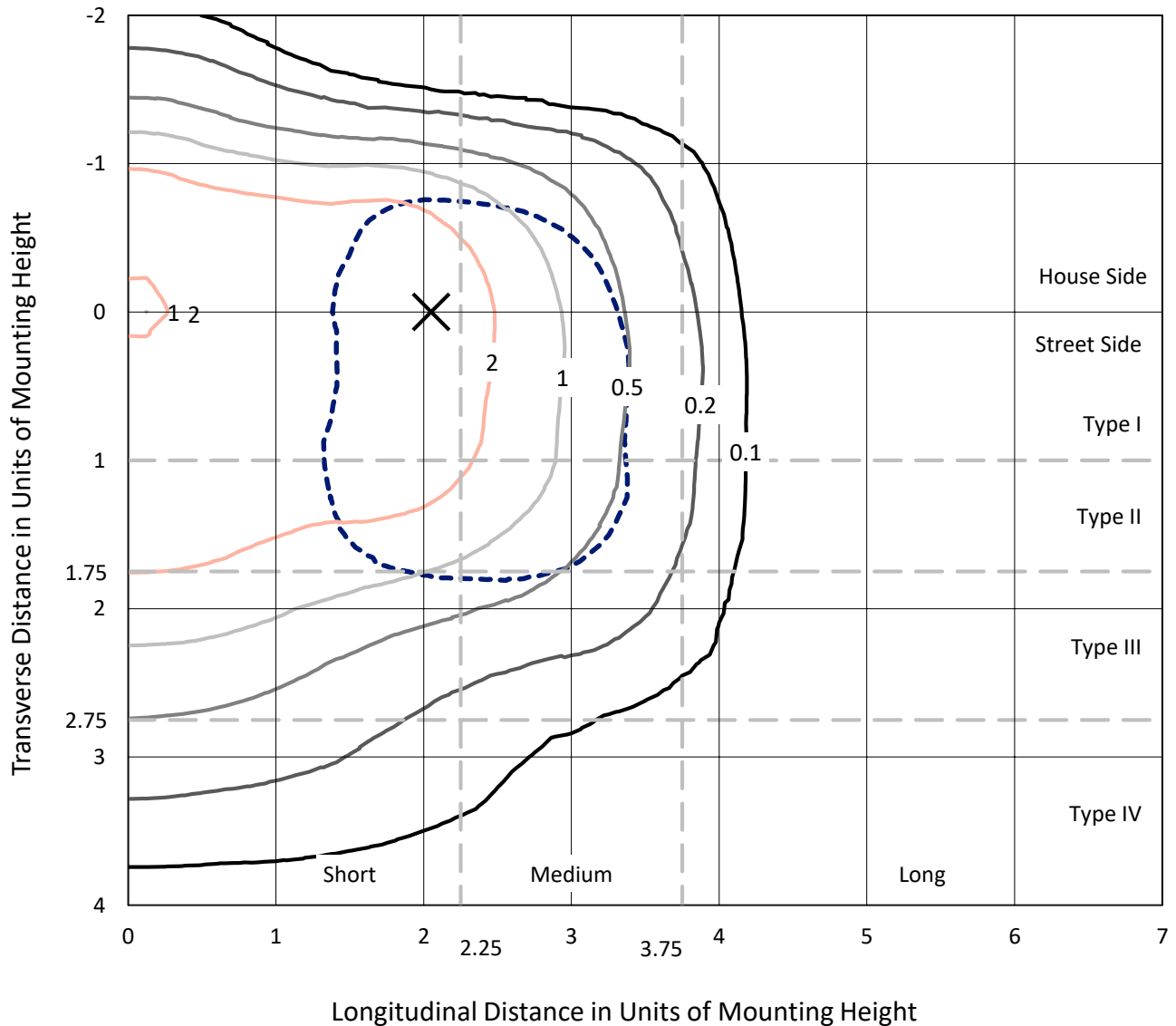
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

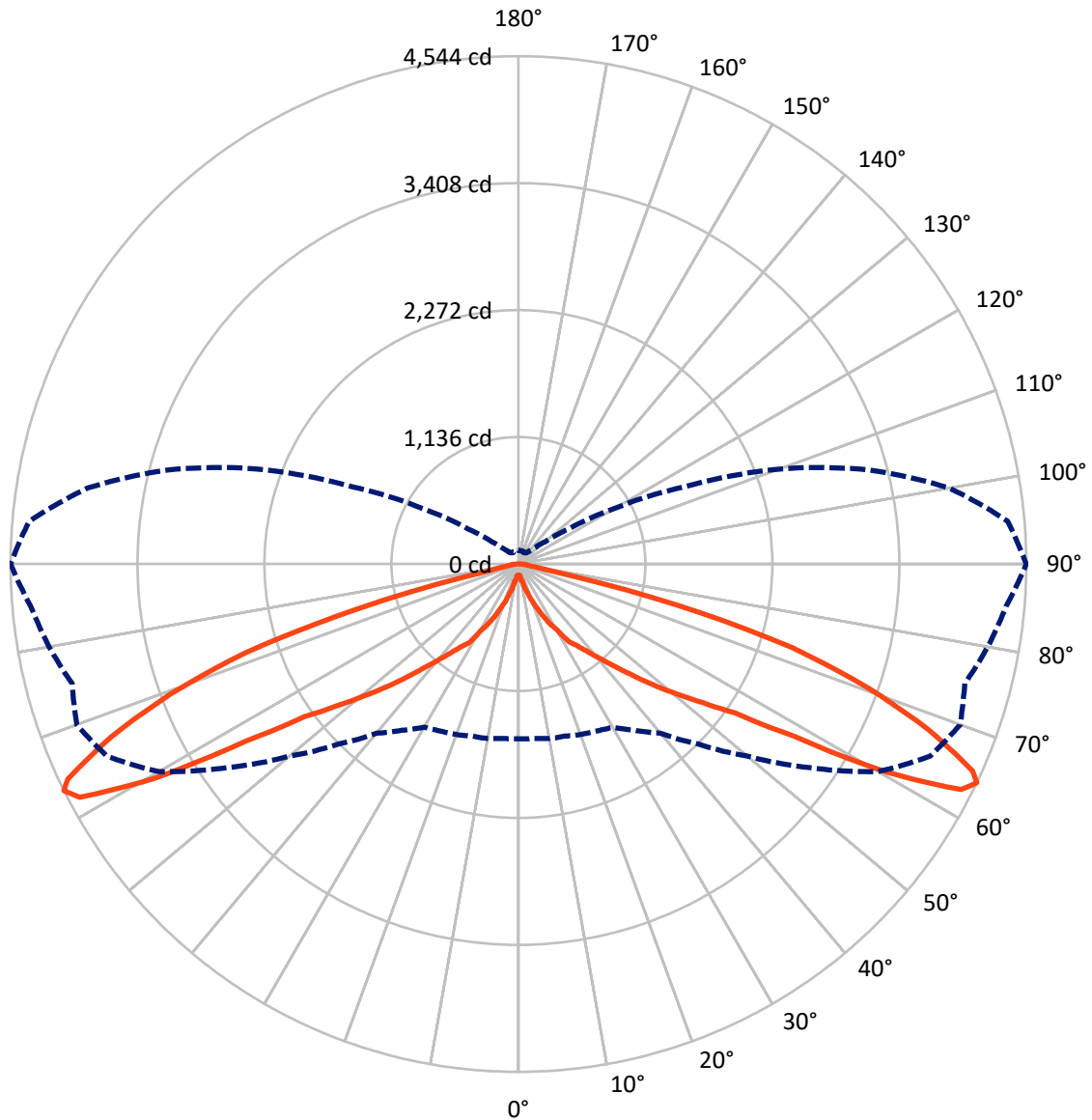
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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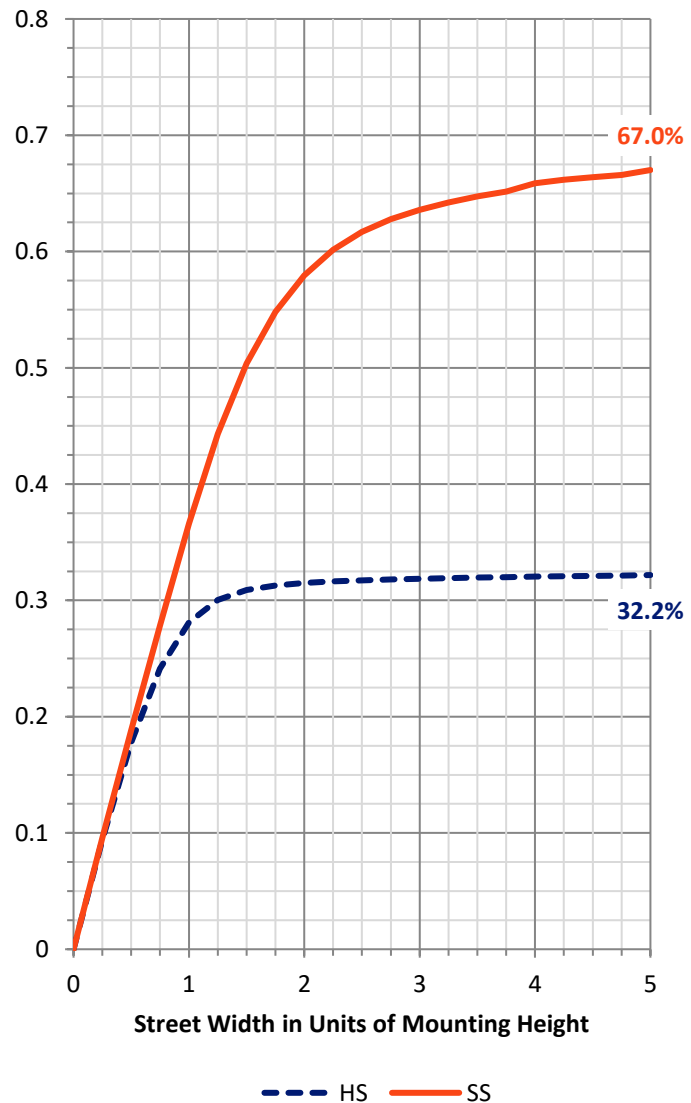
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1831.0	0.0	1831.0
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	3803.1	0.0	3803.1
	% Fixture	67.5	0.0	67.5
Total	Lumens	5634.1	0.0	5634.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.2
10°-20°	74.0	1.3
20°-30°	218.1	3.9
30°-40°	461.0	8.2
40°-50°	808.2	14.3
50°-60°	1287.1	22.8
60°-70°	1805.0	32.0
70°-80°	817.5	14.5
80°-90°	149.3	2.6
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°	5634.1	100.0
0°-180°	5634.1	100.0



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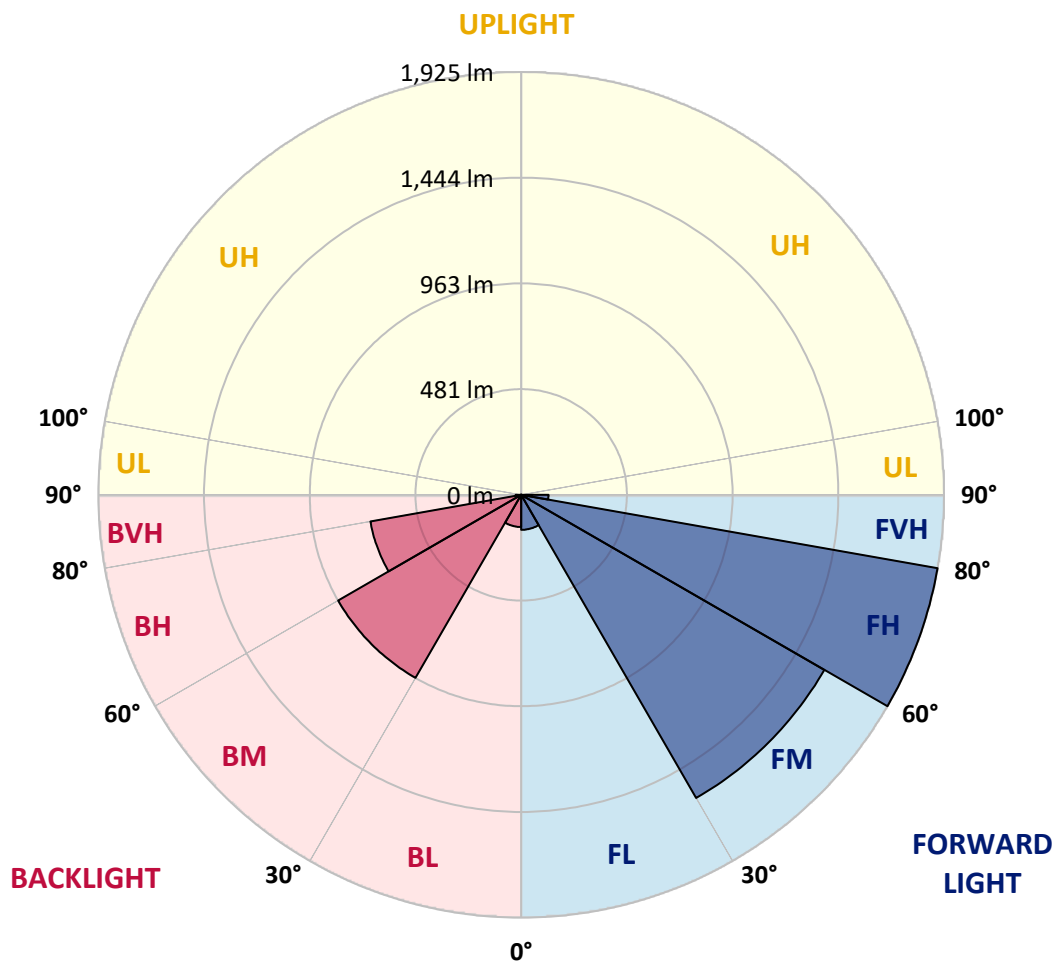
CATALOG NUMBER: UTLD-F03-LED-E-U-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.4	2.8			
FM (30°-60°)	1594.0	28.3			
FH (60°-80°)	1925.3	34.2			G2/5000
FVH (80°-90°)	124.4	2.2			G2/225
BL (0°-30°)	146.6	2.6	B1/500		
BM (30°-60°)	962.4	17.1	B1/1000		
BH (60°-80°)	697.2	12.4	B2/1000		G2/1000
BVH (80°-90°)	24.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
2.5°	163.0	165.1	164.1	165.1	166.2	165.1	165.1	164.1	165.1	166.2	166.2
5°	132.7	133.8	133.8	132.7	133.8	133.8	133.8	133.8	133.8	133.8	133.8
7.5°	198.6	199.6	200.7	198.6	198.6	199.6	197.5	169.3	136.9	134.8	132.7
10°	198.6	199.6	199.6	197.5	198.6	199.6	199.6	198.6	192.3	191.3	191.3
12.5°	255.0	256.1	257.1	257.1	257.1	249.8	240.4	201.7	196.5	247.7	251.9
15°	258.1	258.1	258.1	254.0	254.0	249.8	252.9	298.9	295.8	260.2	256.1
17.5°	317.7	317.7	317.7	316.7	309.4	309.4	311.4	301.0	302.0	303.1	357.4
20°	386.7	388.8	360.6	330.3	318.8	355.3	356.4	350.1	384.6	342.8	360.6
22.5°	404.5	404.5	403.4	394.0	396.1	421.2	405.5	391.9	400.3	378.3	408.6
25°	480.7	480.7	474.5	466.1	453.6	442.1	454.6	452.5	433.7	431.6	481.8
27.5°	515.2	500.6	497.5	487.0	515.2	509.0	519.4	472.4	512.1	502.7	529.9
30°	591.5	590.5	580.0	589.4	589.4	565.4	546.6	568.5	576.9	559.1	620.8
32.5°	700.2	699.2	686.6	679.3	628.1	622.9	634.4	637.5	636.5	641.7	660.5
35°	818.3	817.3	748.3	734.7	715.9	711.7	710.7	693.9	713.8	688.7	738.9
37.5°	896.7	905.1	865.3	855.9	831.9	804.7	782.8	793.2	769.2	766.1	802.6
40°	1053.5	1056.6	1021.1	991.8	970.9	909.2	887.3	881.0	872.7	862.2	911.3
42.5°	1200.8	1196.6	1165.3	1142.3	1116.2	1056.6	992.8	985.5	983.4	974.0	1016.9
45°	1344.0	1347.1	1310.6	1300.1	1258.3	1220.7	1132.9	1133.9	1127.7	1117.2	1155.9
47.5°	1474.6	1482.0	1462.1	1429.7	1396.3	1366.0	1299.1	1294.9	1280.3	1283.4	1329.4
50°	1584.4	1598.0	1579.2	1555.1	1524.8	1503.9	1465.2	1455.8	1447.5	1455.8	1506.0
52.5°	1659.6	1671.1	1678.4	1648.1	1648.1	1621.0	1608.4	1599.0	1602.1	1627.2	1686.8
55°	1697.2	1707.7	1723.4	1702.5	1748.5	1708.7	1697.2	1710.8	1731.7	1776.7	1861.3
57.5°	1697.2	1703.5	1723.4	1727.6	1754.7	1726.5	1747.4	1776.7	1821.6	1900.0	2019.1
60°	1661.7	1666.9	1691.0	1694.1	1719.2	1712.9	1730.7	1814.3	1880.1	2009.7	2201.0
62.5°	1605.3	1608.4	1631.4	1637.7	1663.8	1676.3	1703.5	1824.8	1941.8	2167.5	2474.8
64°	1564.5	1566.6	1585.4	1594.8	1624.1	1648.1	1685.8	1816.4	1976.3	2278.3	2675.5
65°	1536.3	1536.3	1559.3	1563.5	1592.7	1624.1	1664.8	1796.5	1978.4	2320.1	2762.2
67.5°	1425.5	1420.3	1443.3	1453.7	1465.2	1490.3	1515.4	1652.3	1855.1	2254.3	2739.2
70°	1238.4	1225.9	1237.4	1229.0	1222.8	1211.3	1198.7	1293.8	1438.1	1839.4	2320.1
72.5°	868.5	868.5	859.1	878.9	893.6	908.2	858.0	869.5	947.9	1207.1	1635.6
75°	583.2	589.4	606.2	654.2	701.3	744.1	760.8	761.9	696.0	715.9	992.8
77.5°	345.9	359.5	372.1	428.5	489.1	579.0	658.4	735.8	753.5	743.1	719.0
80°	155.7	159.9	177.7	199.6	237.2	298.9	414.9	538.2	678.3	748.3	733.7
82.5°	53.3	58.5	70.0	83.6	99.3	126.5	188.1	254.0	387.7	549.7	683.5
85°	17.8	19.9	27.2	37.6	41.8	48.1	63.8	94.1	153.6	216.3	411.8
87.5°	7.3	9.4	12.5	18.8	20.9	20.9	21.9	28.2	28.2	28.2	112.9
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°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
2.5°	136.9	126.5	111.8	108.7	104.5	103.5	102.4	102.4	101.4	102.4	102.4
5°	146.3	154.7	160.9	156.8	116.0	110.8	102.4	101.4	102.4	102.4	107.6
7.5°	132.7	132.7	126.5	145.3	146.3	108.7	100.3	102.4	103.5	104.5	121.2
10°	143.2	181.8	180.8	183.9	210.1	205.9	153.6	150.5	151.5	158.9	210.1
12.5°	255.0	236.2	186.0	194.4	192.3	213.2	164.1	157.8	162.0	201.7	196.5
15°	256.1	293.7	299.9	264.4	250.8	265.5	239.3	227.8	220.5	262.3	225.7
17.5°	304.1	301.0	307.3	283.2	267.5	263.4	288.4	282.2	270.7	251.9	234.1
20°	336.5	359.5	366.8	413.9	385.6	374.1	382.5	360.6	348.0	353.2	352.2
22.5°	412.8	445.2	421.2	430.6	438.9	468.2	457.8	424.3	432.7	434.8	421.2
25°	436.9	490.2	524.6	542.4	548.7	529.9	556.0	517.3	529.9	512.1	524.6
27.5°	541.4	544.5	571.7	565.4	608.3	630.2	629.2	608.3	613.5	623.9	637.5
30°	571.7	583.2	637.5	656.3	680.4	697.1	677.2	685.6	669.9	691.9	695.0
32.5°	666.8	656.3	676.2	755.6	811.0	839.2	811.0	827.7	810.0	817.3	780.7
35°	723.2	772.3	785.9	823.5	865.3	905.1	896.7	893.6	891.5	906.1	829.8
37.5°	839.2	849.7	857.0	905.1	942.7	994.9	997.0	985.5	1005.4	963.6	897.7
40°	915.5	932.2	941.6	974.0	1050.3	1092.1	1123.5	1100.5	1128.7	1045.1	998.1
42.5°	1029.4	1022.1	1038.8	1089.0	1183.1	1208.1	1252.0	1237.4	1280.3	1190.4	1097.4
45°	1178.9	1172.6	1175.7	1208.1	1335.6	1353.4	1397.3	1408.8	1429.7	1317.9	1222.8
47.5°	1347.1	1350.3	1350.3	1382.7	1487.2	1522.7	1572.9	1607.4	1600.1	1453.7	1358.6
50°	1536.3	1550.9	1529.0	1573.9	1652.3	1716.1	1744.3	1818.5	1791.3	1642.9	1537.3
52.5°	1745.3	1769.4	1749.5	1787.1	1861.3	1941.8	1988.8	2058.9	2011.8	1887.5	1701.4
55°	1952.3	1994.1	2017.0	2057.8	2152.9	2229.2	2250.1	2349.4	2283.6	2161.3	1881.2
57.5°	2169.6	2258.5	2341.0	2396.4	2556.3	2645.2	2690.1	2905.4	2824.9	2695.3	2262.6
60°	2450.8	2720.4	2945.1	3069.5	3280.6	3371.5	3551.3	3779.1	3721.6	3530.4	2946.1
62.5°	2911.7	3391.4	3734.2	3894.1	3944.2	4062.3	4230.6	4445.9	4357.0	3916.0	3305.7
64°	3175.0	3716.4	4064.4	4205.5	4134.4	4264.0	4379.0	4544.1	4394.7	3912.9	3250.3
65°	3286.8	3837.6	4171.0	4304.8	4161.6	4268.2	4363.3	4466.8	4279.7	3810.4	3114.4
67.5°	3315.1	3846.0	4143.8	4223.3	3986.0	3954.7	3970.3	3959.9	3709.1	3280.6	2659.8
70°	2890.8	3399.7	3816.7	3918.1	3600.4	3432.1	3423.8	3323.4	3068.4	2730.9	2190.5
72.5°	2232.3	2676.5	3089.3	3226.2	2926.3	2793.6	2762.2	2564.7	2352.5	2040.0	1650.2
75°	1512.3	1871.8	1992.0	2000.3	1760.0	1688.9	1642.9	1464.2	1280.3	1146.5	967.8
77.5°	888.3	1036.7	927.0	816.2	639.6	453.6	337.6	281.1	307.3	306.2	288.4
80°	751.4	705.4	570.6	442.1	317.7	179.8	130.6	110.8	112.9	115.0	112.9
82.5°	807.9	860.1	729.5	518.4	388.8	228.9	110.8	79.4	90.9	100.3	96.1
85°	684.5	839.2	781.7	560.2	417.0	240.4	78.4	52.3	66.9	82.6	87.8
87.5°	265.5	387.7	314.6	216.3	145.3	80.5	46.0	37.6	47.0	65.8	72.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
2.5°	103.5	106.6	111.8	111.8	108.7	111.8	126.5	144.2	154.7	163.0	172.4
5°	107.6	141.1	164.1	167.2	163.0	118.1	109.7	109.7	113.9	118.1	108.7
7.5°	150.5	143.2	100.3	106.6	107.6	108.7	107.6	110.8	111.8	148.4	169.3
10°	171.4	155.7	151.5	126.5	118.1	165.1	165.1	166.2	172.4	173.5	172.4
12.5°	167.2	159.9	160.9	214.2	231.0	220.5	178.7	165.1	172.4	197.5	221.6
15°	223.7	238.3	252.9	221.6	232.0	224.7	264.4	274.9	226.8	223.7	231.0
17.5°	238.3	287.4	289.5	277.0	312.5	279.0	271.7	274.9	270.7	250.8	283.2
20°	393.0	365.8	340.7	312.5	338.6	328.2	321.9	325.0	321.9	322.9	285.3
22.5°	417.0	405.5	427.4	416.0	391.9	365.8	376.2	370.0	335.5	372.1	343.8
25°	542.4	534.0	487.0	433.7	470.3	416.0	390.9	416.0	409.7	381.5	381.5
27.5°	570.6	568.5	560.2	569.6	500.6	471.3	501.6	429.5	433.7	443.1	441.0
30°	660.5	659.5	589.4	597.8	593.6	542.4	522.6	529.9	480.7	472.4	491.2
32.5°	756.7	693.9	675.1	681.4	632.3	598.8	588.4	547.6	528.8	519.4	489.1
35°	798.5	796.4	779.6	720.1	701.3	638.6	629.2	582.1	564.4	558.1	542.4
37.5°	853.8	851.8	834.0	802.6	757.7	683.5	651.1	619.7	580.0	554.9	574.8
40°	928.1	912.4	894.6	843.4	781.7	714.9	668.9	614.5	589.4	565.4	593.6
42.5°	1059.7	989.7	945.8	881.0	798.5	718.0	666.8	614.5	566.4	559.1	563.3
45°	1175.7	1063.9	988.7	905.1	805.8	711.7	646.9	587.3	553.9	525.7	524.6
47.5°	1277.1	1148.6	1028.4	923.9	801.6	695.0	617.7	553.9	512.1	484.9	472.4
50°	1372.2	1237.4	1069.1	930.1	783.8	662.6	575.9	507.9	455.7	425.4	422.2
52.5°	1467.3	1300.1	1103.6	920.7	749.3	613.5	515.2	443.1	386.7	361.6	356.4
55°	1602.1	1335.6	1121.4	887.3	695.0	546.6	443.1	366.8	310.4	297.9	290.5
57.5°	1885.4	1451.6	1139.2	835.0	614.5	459.8	358.5	292.6	250.8	238.3	232.0
60°	2341.0	1673.2	1179.9	755.6	504.8	362.7	273.8	219.5	191.3	183.9	180.8
62.5°	2555.3	1731.7	1117.2	635.4	386.7	258.1	192.3	154.7	140.0	138.0	140.0
64°	2487.3	1632.5	996.0	542.4	308.3	199.6	148.4	123.3	115.0	113.9	118.1
65°	2367.2	1519.6	904.0	478.7	256.1	165.1	124.4	106.6	100.3	102.4	105.6
67.5°	1955.4	1174.7	612.4	286.4	148.4	101.4	84.7	76.3	77.3	79.4	83.6
70°	1526.9	787.0	333.4	148.4	88.8	69.0	63.8	60.6	62.7	65.8	70.0
72.5°	1047.2	440.0	158.9	84.7	65.8	55.4	54.3	53.3	55.4	58.5	62.7
75°	548.7	183.9	89.9	66.9	57.5	50.2	51.2	50.2	52.3	55.4	58.5
77.5°	173.5	99.3	75.2	61.7	54.3	47.0	48.1	49.1	51.2	53.3	55.4
80°	94.1	82.6	67.9	57.5	51.2	43.9	46.0	47.0	50.2	51.2	51.2
82.5°	85.7	72.1	59.6	52.3	49.1	42.8	47.0	47.0	47.0	47.0	47.0
85°	75.2	58.5	49.1	46.0	46.0	40.8	43.9	43.9	41.8	41.8	39.7
87.5°	58.5	42.8	41.8	46.0	42.8	29.3	37.6	35.5	32.4	32.4	31.4
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):

	165°	170°	175°	180°
0°	103.5	103.5	103.5	103.5
2.5°	171.4	172.4	168.3	168.3
5°	107.6	108.7	107.6	107.6
7.5°	175.6	173.5	179.8	173.5
10°	176.6	171.4	170.4	171.4
12.5°	229.9	229.9	231.0	231.0
15°	229.9	228.9	231.0	229.9
17.5°	288.4	290.5	291.6	290.5
20°	291.6	292.6	301.0	294.7
22.5°	345.9	352.2	352.2	351.2
25°	360.6	406.5	416.0	414.9
27.5°	413.9	419.1	420.1	419.1
30°	471.3	473.4	478.7	476.6
32.5°	496.4	529.9	536.1	534.0
35°	538.2	528.8	550.8	572.7
37.5°	563.3	560.2	565.4	564.4
40°	586.3	591.5	597.8	592.6
42.5°	564.4	561.2	564.4	562.3
45°	519.4	520.5	518.4	516.3
47.5°	463.0	463.0	460.9	460.9
50°	403.4	405.5	397.1	398.2
52.5°	340.7	342.8	336.5	330.3
55°	282.2	283.2	274.9	272.8
57.5°	227.8	231.0	223.7	220.5
60°	180.8	181.8	179.8	179.8
62.5°	143.2	141.1	139.0	140.0
64°	121.2	122.3	119.1	121.2
65°	108.7	110.8	108.7	110.8
67.5°	86.7	89.9	88.8	89.9
70°	74.2	75.2	74.2	74.2
72.5°	65.8	66.9	64.8	63.8
75°	61.7	60.6	59.6	58.5
77.5°	56.4	56.4	54.3	53.3
80°	50.2	49.1	47.0	44.9
82.5°	46.0	43.9	38.7	35.5
85°	38.7	35.5	29.3	23.0
87.5°	31.4	28.2	17.8	9.4
90°	0.0	0.0	0.0	0.0

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