

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: P157000

Luminaire Tested: **UTLD-E01-LED-E-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157000
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33667)
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-RW
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2625.4 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - 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

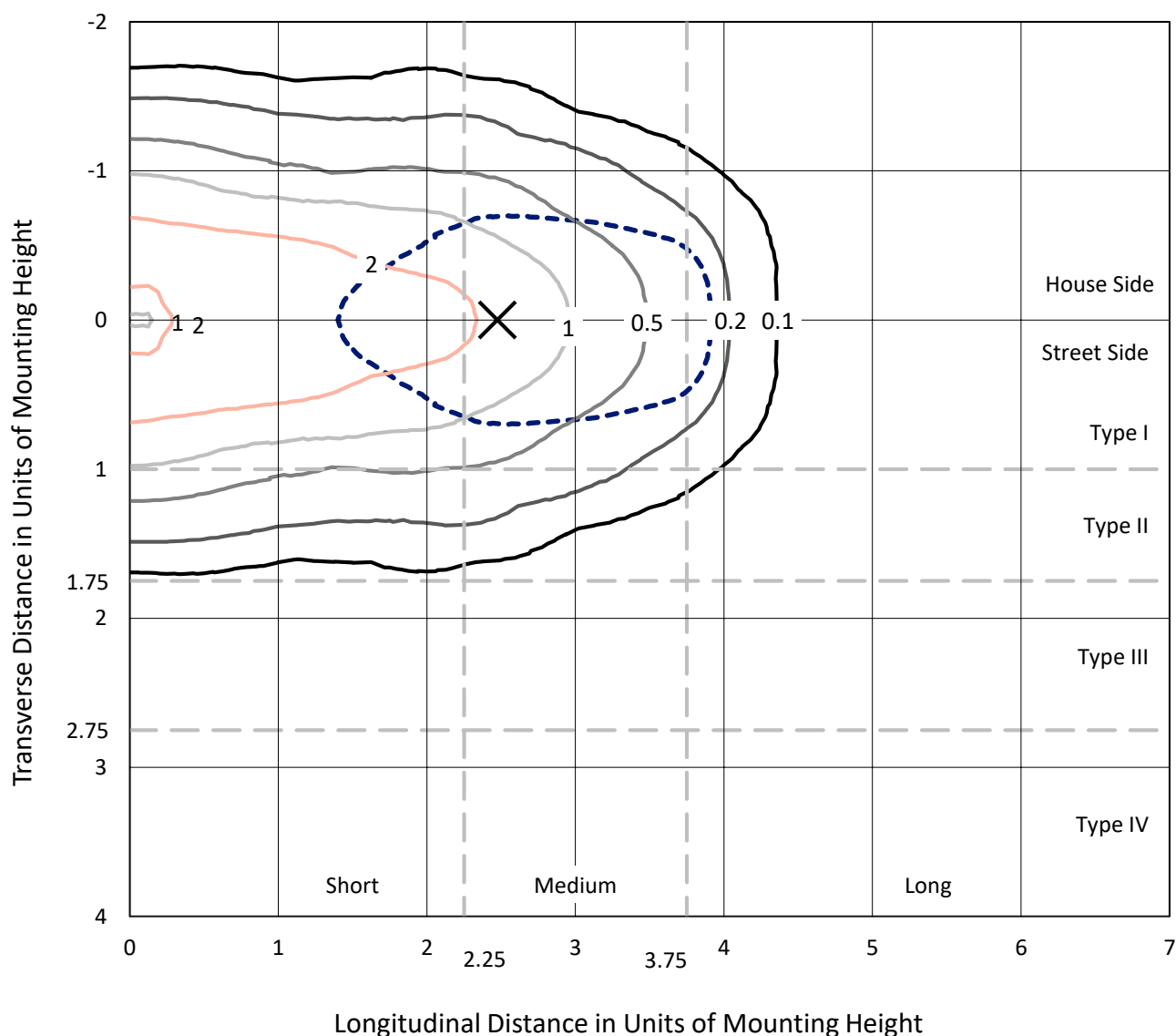


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

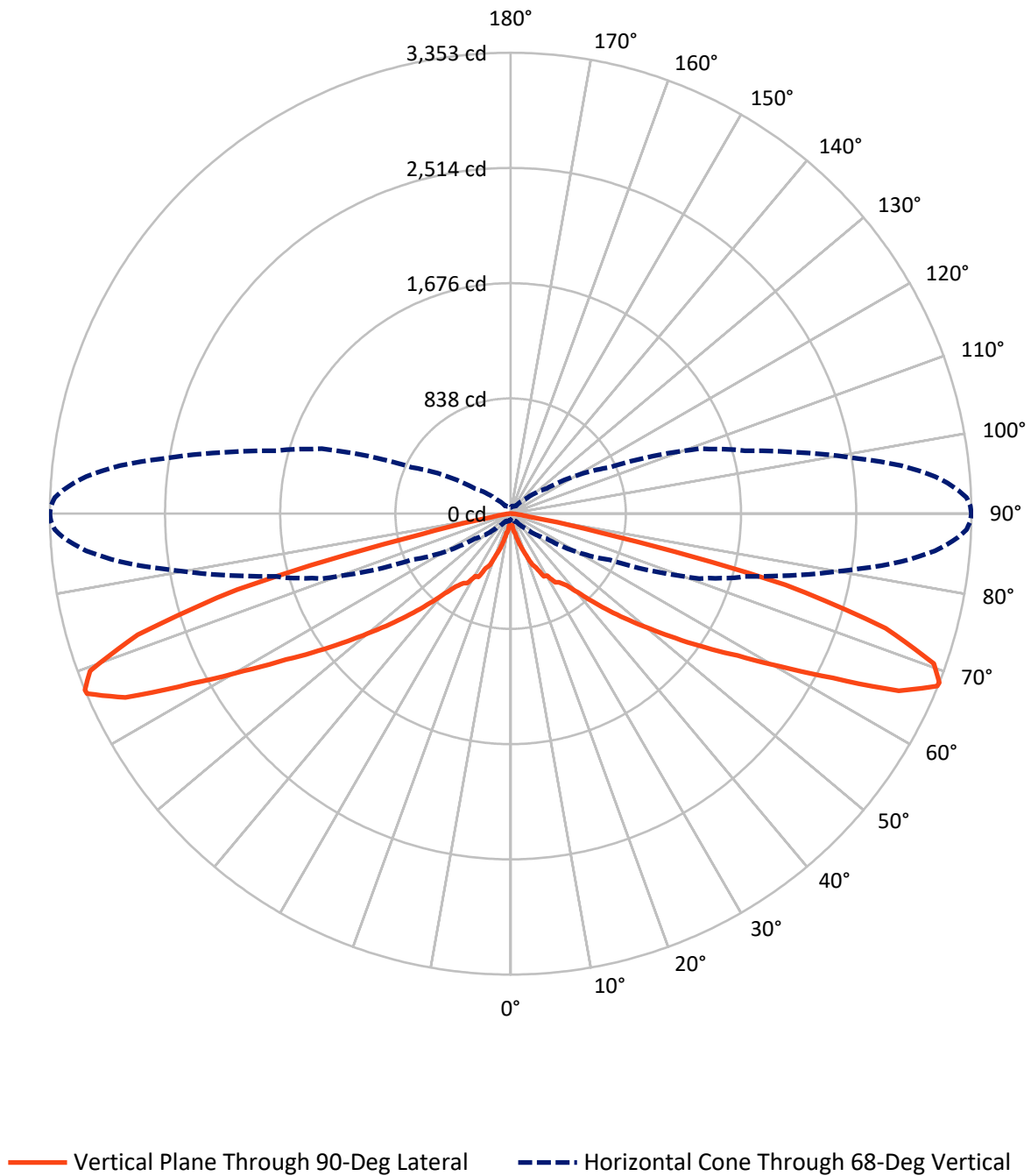


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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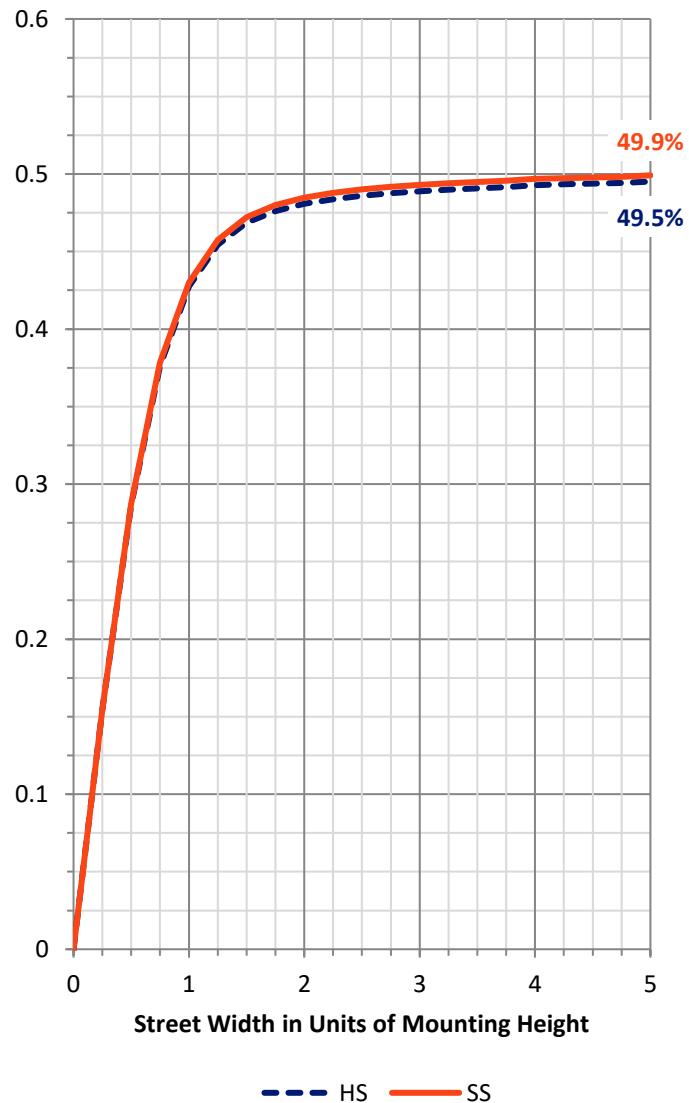
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.7	0.0	1312.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1312.7	0.0	1312.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2625.4	0.0	2625.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.4
10°-20°	68.7	2.6
20°-30°	187.9	7.2
30°-40°	309.3	11.8
40°-50°	415.4	15.8
50°-60°	521.9	19.9
60°-70°	670.5	25.5
70°-80°	393.1	15.0
80°-90°	46.9	1.8
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°	2625.4	100.0
0°-180°	2625.4	100.0

Coefficient of Utilization



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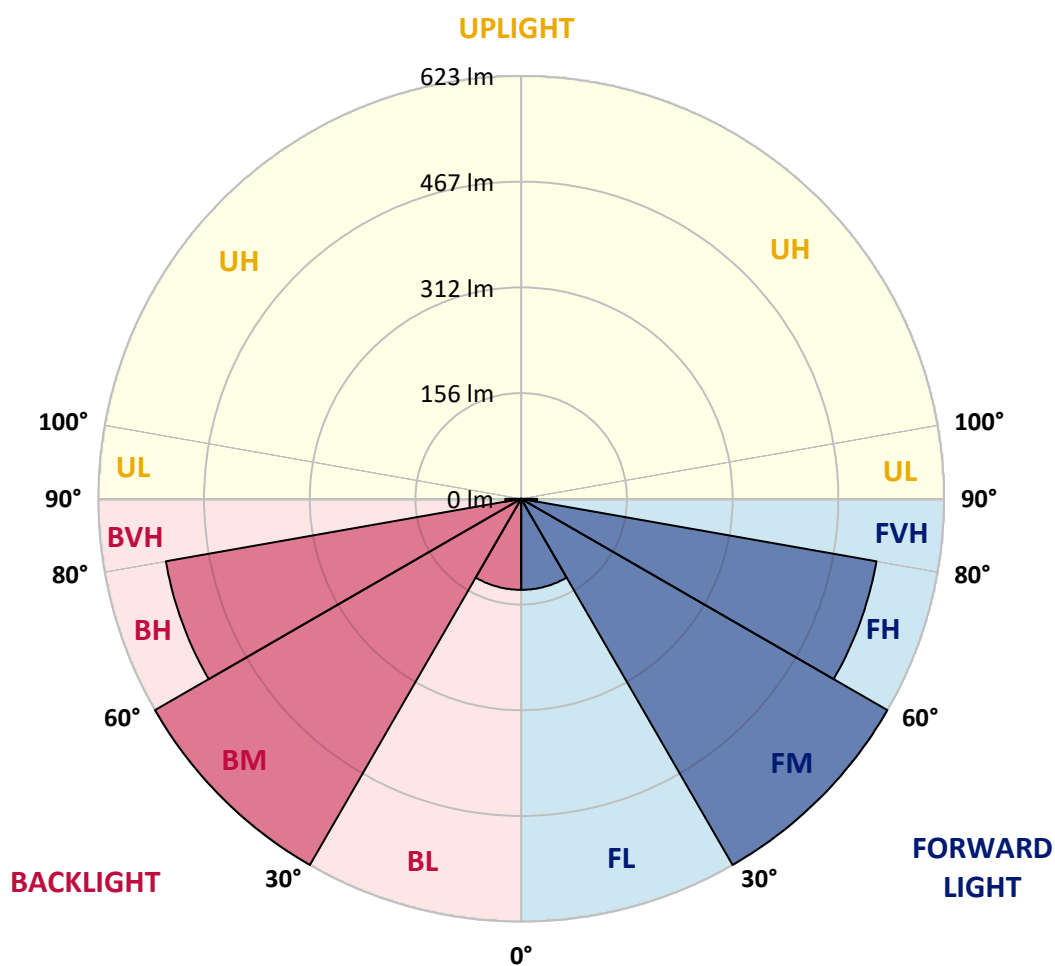
CATALOG NUMBER: UTLD-E01-LED-E-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.2	5.1			
FM	(30°-60°)	623.3	23.7			
FH	(60°-80°)	531.8	20.3			G0/660
FVH	(80°-90°)	23.5	0.9			G1/100
BL	(0°-30°)	134.2	5.1	B1/500		
BM	(30°-60°)	623.3	23.7	B1/1000		
BH	(60°-80°)	531.8	20.3	B2/1000		G0/660
BVH	(80°-90°)	23.5	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2.5°	110.0	111.5	106.2	110.0	111.5	113.0	113.5	105.8	104.5	103.2	102.0
5°	102.5	105.0	102.8	103.5	106.5	127.5	124.8	108.2	108.6	109.0	109.3
7.5°	151.8	154.5	146.5	134.8	131.8	108.8	101.2	122.2	119.4	116.6	113.7
10°	169.2	164.5	164.5	164.0	160.5	137.5	143.5	151.0	156.2	161.4	166.6
12.5°	221.2	221.8	214.2	194.0	184.8	212.5	195.5	164.0	163.0	162.0	161.0
15°	250.2	247.5	227.5	225.0	268.2	242.8	223.2	249.2	244.7	240.2	235.6
17.5°	281.0	282.0	280.0	257.2	280.2	276.2	287.2	273.0	268.6	264.3	260.0
20°	304.2	305.0	303.2	319.8	319.5	326.2	305.0	334.0	338.8	343.6	348.4
22.5°	322.5	324.2	323.8	344.0	364.0	352.0	398.0	392.8	391.2	389.8	388.2
25°	351.8	352.0	337.2	354.8	387.2	409.0	432.2	469.2	473.4	477.4	481.6
27.5°	359.0	360.5	345.5	376.0	389.8	448.8	523.8	513.0	509.2	505.4	501.6
30°	356.5	359.8	368.8	384.0	418.2	471.8	527.2	567.0	564.3	561.6	558.9
32.5°	364.8	367.2	358.5	375.8	418.2	483.8	564.5	584.0	590.4	596.7	603.0
35°	353.2	355.8	352.2	369.0	409.0	467.2	560.0	646.5	644.5	642.5	640.5
37.5°	346.8	346.5	345.5	362.2	402.0	462.8	584.0	662.2	665.0	667.8	670.5
40°	330.0	332.2	331.8	347.0	384.0	456.0	575.8	683.8	693.5	703.2	713.0
42.5°	295.5	297.2	302.8	324.0	363.2	440.2	569.0	714.5	727.0	739.5	752.0
45°	263.5	263.8	271.2	292.2	332.8	418.2	569.8	752.2	765.6	778.8	792.2
47.5°	231.0	232.0	240.2	261.5	297.8	388.2	566.8	787.5	804.8	822.1	839.4
50°	199.0	201.0	211.2	232.8	266.0	350.2	552.5	827.0	848.6	870.1	891.6
52.5°	165.8	167.8	179.8	203.8	238.0	315.0	520.5	864.0	892.3	920.6	948.9
55°	129.0	132.5	146.5	170.0	209.2	284.0	470.5	897.5	933.6	969.6	1005.6
57.5°	94.5	96.5	110.5	135.0	177.8	255.5	416.0	905.8	951.4	997.0	1042.7
60°	67.5	69.8	82.5	101.5	141.8	226.8	371.2	884.0	942.6	1001.1	1059.6
62.5°	55.5	57.2	68.5	78.0	108.5	195.8	340.2	853.0	929.8	1006.7	1083.6
65°	50.2	51.5	62.8	66.2	83.5	166.8	325.5	843.5	939.5	1035.5	1131.5
67.5°	46.0	48.0	58.2	60.0	71.0	150.8	320.5	818.8	924.8	1030.8	1136.8
68°	45.2	47.2	57.2	59.0	69.8	148.8	317.2	797.2	903.6	1010.0	1116.3
70°	42.8	44.5	53.5	55.2	68.0	139.0	281.8	675.5	774.7	873.9	973.1
72.5°	39.8	40.8	49.0	51.0	61.2	101.2	205.2	454.2	537.7	621.2	704.6
75°	34.8	36.5	44.2	47.0	47.2	61.0	129.8	266.2	321.6	377.0	432.4
77.5°	30.0	31.8	38.5	46.8	39.0	42.5	83.2	158.2	183.2	208.2	233.2
80°	26.0	28.0	34.2	48.0	33.8	35.2	65.5	129.2	141.4	153.4	165.6
82.5°	20.0	22.2	30.0	43.5	28.0	28.5	53.0	123.0	132.1	141.2	150.3
85°	13.0	14.5	23.8	33.2	21.8	18.0	37.5	100.8	107.4	114.2	120.8
87.5°	6.2	9.5	16.5	17.2	13.2	9.8	20.8	61.2	66.3	71.4	76.4
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2.5°	100.8	99.5	99.0	97.0	95.2	94.0	92.8	91.5	90.0	88.8	88.8
5°	109.6	110.0	111.5	111.5	111.5	110.8	109.2	107.8	107.0	103.8	100.2
7.5°	110.8	108.0	102.2	101.5	103.5	106.2	107.0	108.0	108.8	108.2	107.8
10°	171.8	177.0	177.5	175.8	174.5	169.5	165.2	157.0	157.8	162.0	163.5
12.5°	160.0	159.0	162.2	171.2	181.0	182.2	183.2	182.0	178.0	171.0	164.0
15°	231.0	226.5	226.5	226.0	224.5	222.2	226.0	234.2	237.2	236.8	236.0
17.5°	255.6	251.2	248.2	238.0	231.5	229.2	227.5	228.8	231.0	240.5	247.2
20°	353.2	358.0	363.8	359.5	357.0	350.2	341.5	339.0	337.0	339.2	341.5
22.5°	386.8	385.2	388.0	374.0	400.2	395.0	399.8	408.8	403.2	399.2	395.5
25°	485.6	489.8	485.5	484.0	476.0	470.0	473.8	472.2	460.5	453.8	455.2
27.5°	497.8	494.0	488.0	485.2	484.0	493.5	502.5	488.8	516.0	509.2	520.2
30°	556.2	553.5	545.0	543.0	549.8	545.8	536.2	537.0	538.8	538.5	533.0
32.5°	609.4	615.8	610.5	624.8	619.2	607.8	609.2	616.8	614.8	606.2	603.0
35°	638.5	636.5	648.0	649.0	637.0	636.2	642.0	641.2	634.5	635.8	636.0
37.5°	673.2	676.0	687.0	675.8	677.0	683.8	684.5	677.2	678.0	681.0	684.0
40°	722.8	732.5	724.8	723.5	734.0	745.5	738.5	739.0	745.0	752.5	745.8
42.5°	764.5	777.0	774.2	787.5	803.5	810.0	814.5	826.8	839.8	835.2	851.2
45°	805.4	818.8	831.0	856.2	872.8	878.0	903.2	922.2	928.8	939.8	960.5
47.5°	856.7	874.0	900.0	927.0	936.8	964.0	993.8	1011.5	1023.8	1057.2	1067.0
50°	913.2	934.8	969.0	991.8	1010.8	1045.2	1079.8	1096.0	1135.8	1159.2	1179.0
52.5°	977.2	1005.5	1039.5	1054.5	1087.2	1134.2	1155.8	1185.0	1229.2	1258.2	1305.5
55°	1041.7	1077.8	1101.2	1128.0	1166.5	1208.0	1228.8	1284.2	1316.5	1365.0	1428.8
57.5°	1088.4	1134.0	1152.5	1196.5	1241.5	1265.2	1311.2	1361.5	1400.8	1480.0	1544.8
60°	1118.2	1176.8	1214.5	1265.5	1309.0	1339.8	1403.0	1450.2	1519.8	1609.2	1686.5
62.5°	1160.4	1237.2	1305.8	1374.5	1399.8	1462.8	1527.0	1583.8	1695.0	1793.8	1892.5
65°	1227.5	1323.5	1422.2	1496.2	1546.5	1630.0	1697.8	1790.8	1915.8	2040.8	2154.5
67.5°	1242.8	1348.8	1469.2	1536.2	1618.5	1705.0	1774.8	1898.8	2023.2	2155.2	2290.8
68°	1222.6	1329.0	1451.8	1519.5	1605.8	1692.5	1764.8	1887.5	2012.0	2143.2	2281.5
70°	1072.3	1171.5	1285.0	1367.5	1467.2	1535.5	1629.5	1744.2	1861.8	1999.0	2139.0
72.5°	788.0	871.5	979.8	1060.8	1167.2	1225.2	1318.8	1417.5	1533.8	1669.2	1808.8
75°	487.8	543.2	629.0	701.8	776.5	832.0	914.0	1004.0	1092.0	1199.5	1321.8
77.5°	258.2	283.2	333.8	369.8	408.5	434.5	461.0	513.8	538.0	567.0	605.8
80°	177.6	189.8	207.0	216.8	212.2	194.2	169.5	161.0	153.2	142.8	133.0
82.5°	159.4	168.5	179.8	189.0	189.5	172.5	141.5	118.8	102.8	87.2	75.2
85°	127.6	134.2	141.5	149.0	156.2	145.5	123.0	96.5	74.5	59.8	51.2
87.5°	81.4	86.5	91.2	100.0	103.8	100.8	89.5	71.0	52.8	40.5	33.8
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2.5°	86.2	86.2	85.8	85.2	84.5	84.0	83.8	84.0	83.8	83.5	83.5
5°	97.5	94.2	91.2	89.5	87.5	86.5	87.5	85.5	84.8	84.2	84.5
7.5°	107.8	107.2	106.2	101.8	95.0	89.0	86.2	85.2	85.2	85.0	85.0
10°	164.0	162.5	160.0	157.2	155.0	148.2	140.2	137.2	135.2	135.0	134.5
12.5°	165.2	168.2	169.2	169.2	167.0	165.8	158.0	149.5	144.8	144.5	144.0
15°	230.0	219.8	222.0	225.5	225.0	224.8	225.2	215.0	208.2	207.2	207.0
17.5°	246.0	250.8	238.8	264.5	251.0	265.8	258.8	273.0	262.0	266.8	268.0
20°	348.2	347.0	345.2	340.2	339.5	343.8	348.2	344.5	333.8	328.0	324.5
22.5°	398.0	406.0	409.5	408.2	403.5	401.2	400.5	397.8	396.2	398.8	401.0
25°	458.0	454.5	458.5	458.2	454.0	450.8	456.0	459.2	458.8	446.0	437.0
27.5°	518.8	512.0	510.8	511.2	515.8	514.8	516.0	513.2	508.5	511.8	516.0
30°	527.5	524.8	528.5	524.2	525.8	523.5	519.8	517.0	528.5	526.8	522.5
32.5°	601.8	604.5	596.2	594.2	594.0	586.5	587.0	592.8	590.0	593.8	594.5
35°	637.0	629.5	627.2	622.5	615.2	622.0	619.5	618.8	618.2	617.8	614.5
37.5°	677.8	683.2	676.8	669.2	677.2	673.2	670.5	669.8	668.5	664.0	663.0
40°	751.5	757.5	752.2	762.0	760.2	762.5	757.5	755.5	750.5	753.0	751.0
42.5°	853.2	855.0	870.2	880.8	880.2	880.2	877.2	877.0	867.0	868.0	872.5
45°	964.0	985.0	998.2	1010.8	1015.2	1016.8	1011.2	1016.8	1009.0	1000.0	1008.5
47.5°	1088.2	1116.5	1134.2	1147.0	1153.2	1152.2	1157.5	1155.0	1151.2	1157.5	1155.5
50°	1225.2	1250.0	1276.2	1287.0	1290.5	1299.0	1308.5	1316.2	1319.8	1312.8	1317.5
52.5°	1349.0	1388.0	1418.5	1434.5	1450.0	1461.8	1478.2	1493.5	1499.2	1504.5	1505.0
55°	1482.5	1534.0	1568.8	1596.5	1622.2	1644.5	1669.5	1689.2	1705.2	1716.5	1718.0
57.5°	1609.2	1666.8	1712.0	1765.0	1796.5	1839.5	1872.0	1904.0	1934.0	1941.0	1946.5
60°	1768.8	1839.5	1913.2	1965.8	2028.5	2095.8	2139.8	2185.0	2202.8	2236.0	2254.5
62.5°	1988.2	2070.8	2174.5	2254.0	2341.0	2424.5	2499.5	2555.5	2582.5	2618.8	2632.0
65°	2277.2	2407.0	2514.8	2641.8	2750.2	2851.5	2940.8	3019.5	3057.5	3100.2	3105.0
67.5°	2426.0	2567.0	2718.0	2862.8	2979.8	3097.2	3183.5	3258.2	3317.5	3340.2	3348.5
68°	2420.2	2562.0	2719.5	2865.0	2985.0	3099.8	3186.8	3262.2	3319.5	3344.5	3352.5
70°	2298.0	2434.5	2616.2	2757.0	2881.5	3005.5	3088.2	3163.5	3212.8	3241.0	3267.0
72.5°	1949.0	2110.2	2269.2	2401.5	2535.2	2637.5	2700.5	2784.0	2808.2	2842.0	2852.5
75°	1435.0	1574.5	1686.5	1769.0	1865.0	1935.2	1990.8	1990.8	2022.8	2028.2	2064.0
77.5°	661.8	670.8	688.8	675.8	687.2	706.5	683.0	656.2	673.5	627.8	668.5
80°	137.0	129.0	133.0	128.5	129.5	131.5	135.2	133.2	133.0	131.0	133.5
82.5°	68.5	67.8	68.0	68.2	68.2	68.2	68.5	68.5	69.0	68.0	68.0
85°	46.2	44.2	44.5	43.5	43.0	42.8	41.2	39.8	40.5	40.0	38.0
87.5°	30.0	27.8	26.8	25.5	24.2	23.2	22.0	20.5	18.8	18.2	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)