

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: P157133

Luminaire Tested: **UTLD-F02-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157133
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33661)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-T2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3731.4 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

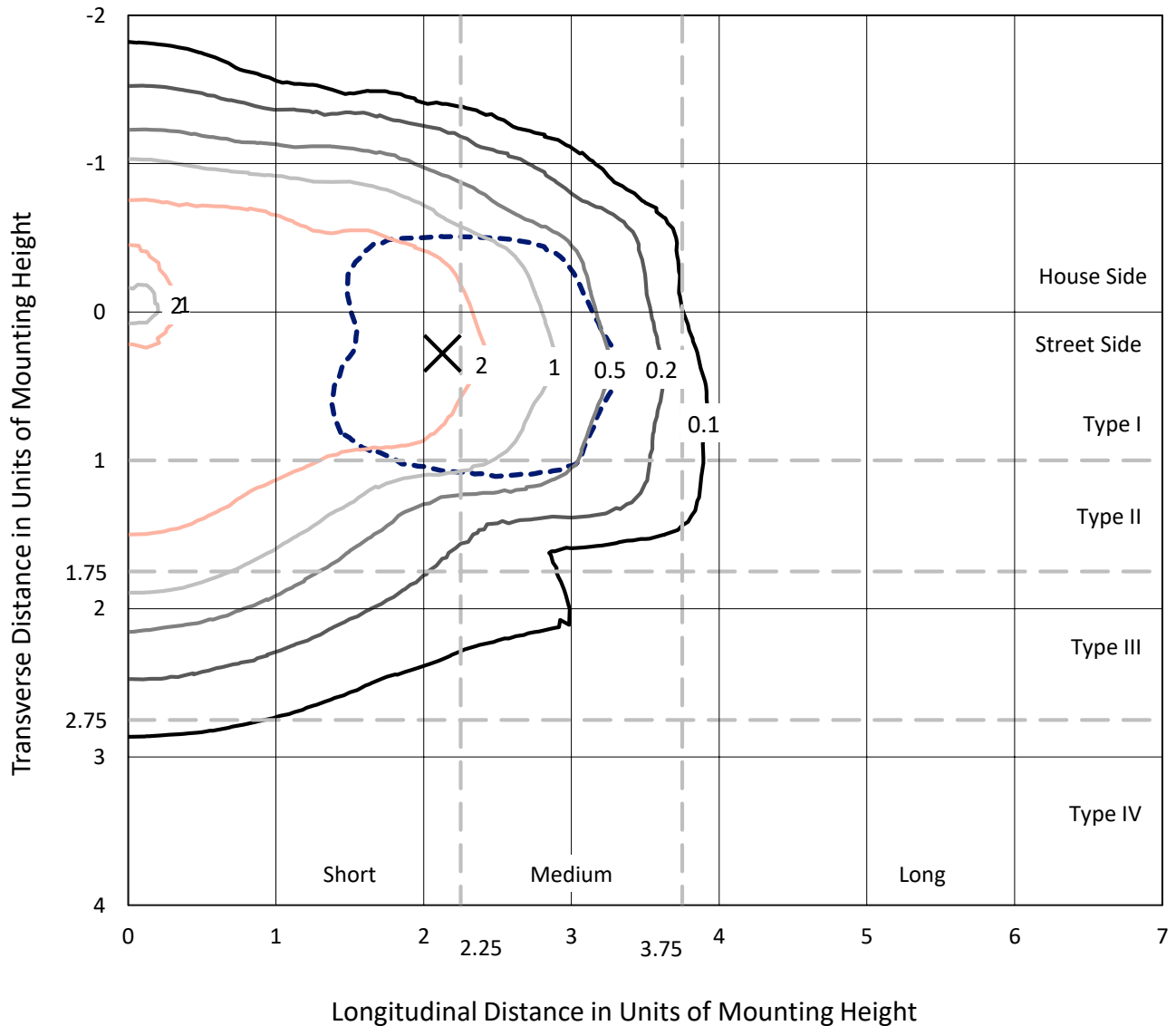
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

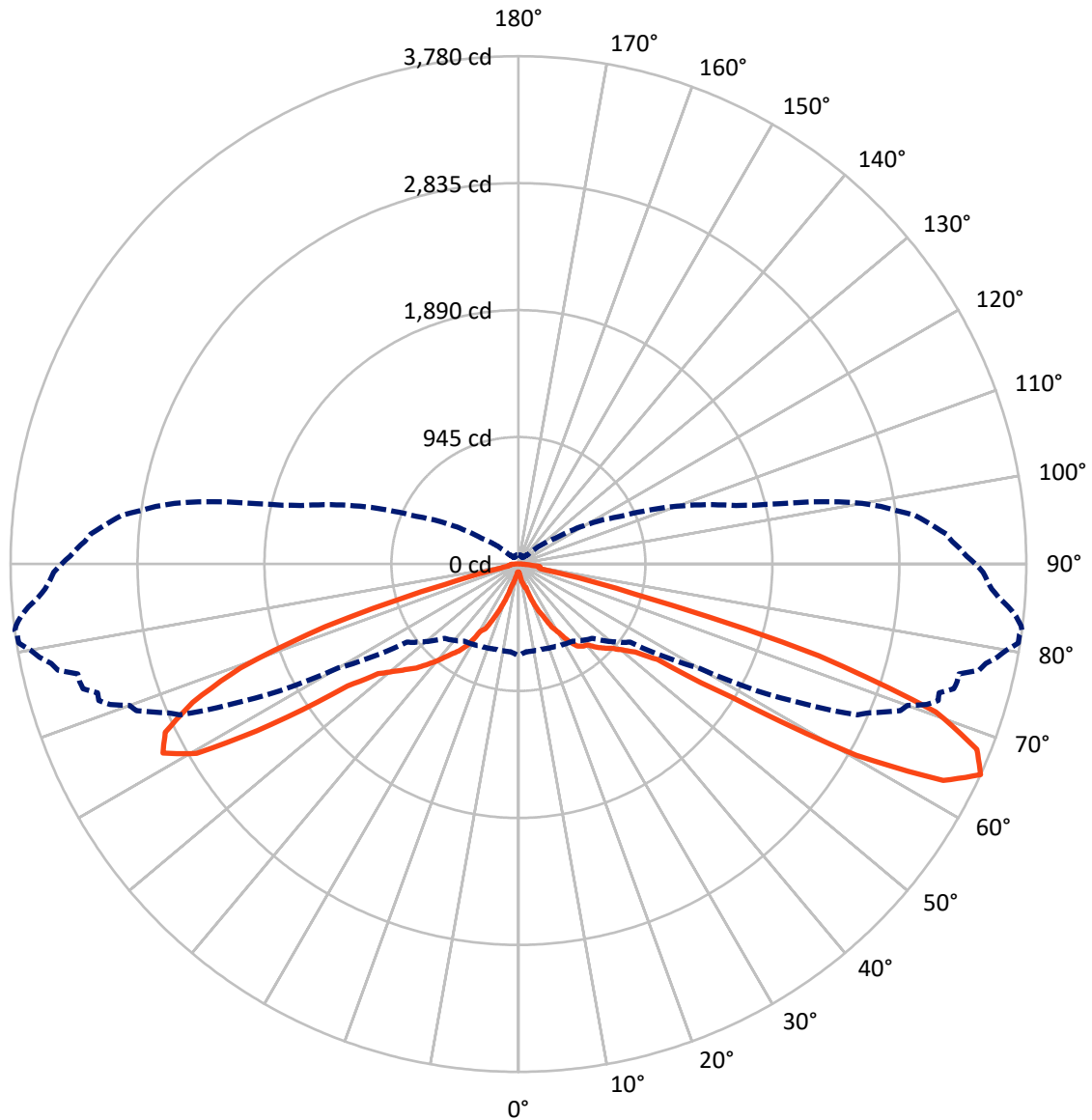


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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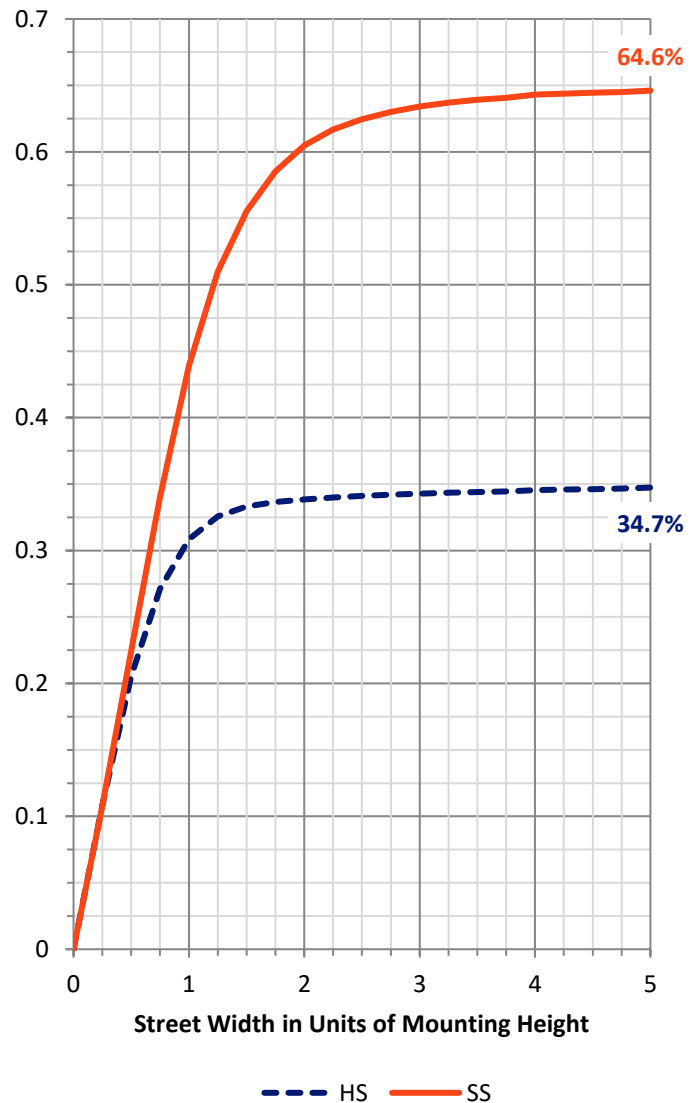
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1315.0	0.0	1315.0
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	2416.4	0.0	2416.4
	% Fixture	64.8	0.0	64.8
Total	Lumens	3731.4	0.0	3731.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.2
10°-20°	55.1	1.5
20°-30°	184.4	4.9
30°-40°	407.0	10.9
40°-50°	643.2	17.2
50°-60°	912.5	24.5
60°-70°	1085.6	29.1
70°-80°	367.1	9.8
80°-90°	68.1	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°	3731.4	100.0
0°-180°	3731.4	100.0

Coefficient of Utilization



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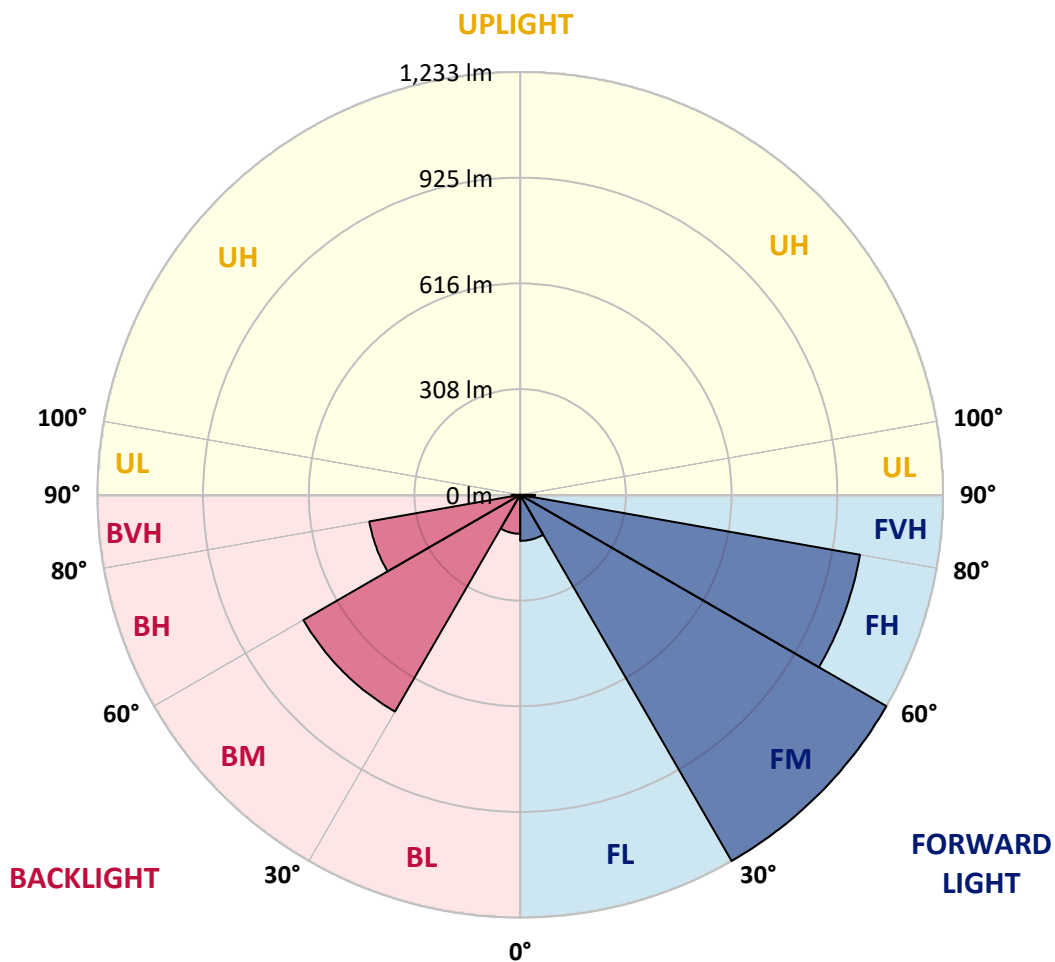
CATALOG NUMBER: UTLD-F02-LED-E-U-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.2	3.6			
FM (30°-60°)	1232.9	33.0			
FH (60°-80°)	1006.1	27.0			G1/1800
FVH (80°-90°)	43.2	1.2			G1/100
BL (0°-30°)	113.7	3.0	B1/500		
BM (30°-60°)	729.8	19.6	B1/1000		
BH (60°-80°)	446.6	12.0	B1/500		G1/500
BVH (80°-90°)	24.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
2.5°	85.0	85.0	85.0	89.2	99.6	99.6	98.9	99.6	98.2	96.8	94.8
5°	88.5	90.6	89.2	88.5	87.1	86.4	85.7	85.0	85.0	86.4	89.9
7.5°	135.2	135.9	135.2	136.6	132.4	95.5	89.2	88.5	90.6	91.3	89.9
10°	160.9	150.5	147.0	144.2	140.7	134.5	133.8	130.3	128.9	128.2	124.7
12.5°	205.5	205.5	204.1	195.1	186.0	181.2	185.3	175.6	174.2	170.0	157.5
15°	271.0	270.3	224.3	213.9	240.4	228.5	193.0	204.1	215.3	213.9	214.6
17.5°	289.8	289.8	286.4	275.2	259.2	243.2	261.3	228.5	227.8	228.5	232.0
20°	359.5	359.5	345.6	321.2	306.6	290.5	280.1	305.9	297.5	291.2	286.4
22.5°	362.3	362.3	352.5	371.4	345.6	330.3	358.1	363.7	370.7	371.4	363.7
25°	418.7	419.4	409.7	381.8	386.0	378.3	393.7	431.3	431.3	425.0	443.1
27.5°	478.0	478.7	418.0	429.9	416.0	443.8	484.9	503.7	489.8	494.7	496.1
30°	505.8	506.5	503.0	498.9	482.1	493.3	514.2	531.6	540.7	574.1	563.7
32.5°	624.3	625.0	602.7	551.1	560.9	581.8	590.8	595.0	605.5	611.0	611.0
35°	765.0	762.9	722.5	677.2	648.0	643.8	654.9	690.5	708.6	691.2	698.8
37.5°	877.9	868.1	822.8	793.6	762.2	753.9	762.9	758.0	759.4	737.1	737.1
40°	955.9	956.6	931.5	906.5	859.1	873.7	848.6	841.7	822.8	818.7	800.5
42.5°	1038.1	1041.6	1009.6	978.2	933.6	973.3	951.0	940.6	898.8	910.6	887.6
45°	1123.8	1126.6	1089.7	1046.5	1007.5	1068.1	1063.2	1045.8	1024.2	1026.3	1001.9
47.5°	1187.2	1192.8	1151.0	1100.1	1073.7	1145.4	1169.8	1168.4	1165.6	1146.1	1136.4
50°	1224.2	1227.6	1181.7	1144.0	1111.3	1203.3	1279.9	1292.4	1314.7	1276.4	1302.2
52.5°	1236.0	1238.1	1192.1	1151.0	1119.7	1235.3	1363.5	1432.5	1448.5	1441.5	1482.0
55°	1203.3	1206.0	1171.9	1135.0	1107.1	1240.2	1430.4	1564.9	1574.6	1594.8	1675.6
57.5°	1149.6	1148.2	1141.3	1102.2	1099.4	1236.0	1486.1	1733.5	1739.1	1837.3	1982.2
60°	1080.6	1083.4	1079.9	1059.7	1072.3	1191.4	1474.3	1828.2	1893.0	2044.2	2273.4
62.5°	972.6	977.5	962.9	935.0	944.8	1037.4	1334.9	1784.3	1935.5	2132.0	2410.7
65°	680.0	655.6	657.0	673.7	702.3	781.7	1014.4	1545.4	1783.6	2012.9	2380.0
67.5°	391.6	398.5	397.8	414.6	449.4	512.1	648.7	1034.7	1249.9	1516.1	1977.3
70°	301.0	301.0	310.7	333.0	354.6	427.1	466.1	560.2	659.1	838.2	1266.0
72.5°	226.4	225.7	234.8	255.7	298.9	390.9	545.5	387.4	400.6	435.5	684.9
75°	131.7	128.2	131.7	146.3	182.5	291.9	551.8	431.3	411.8	386.7	430.6
77.5°	68.3	68.3	71.8	75.2	93.4	149.8	397.8	526.7	510.0	467.5	438.9
80°	39.0	40.4	43.2	43.2	45.3	62.0	172.8	515.6	569.2	582.5	571.3
82.5°	19.5	22.3	30.7	30.7	30.0	31.4	64.8	302.4	411.8	510.7	688.4
85°	11.1	11.8	20.2	22.3	21.6	18.8	30.0	135.2	181.2	263.4	393.7
87.5°	4.2	6.3	9.8	11.1	12.5	9.8	17.4	38.3	51.6	71.1	87.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
2.5°	94.8	91.3	92.7	89.2	82.9	80.1	79.4	78.7	78.0	73.9	73.9
5°	92.7	93.4	95.5	96.1	96.1	96.8	98.2	97.5	98.2	96.8	96.1
7.5°	88.5	86.4	84.3	82.9	82.9	82.9	82.9	83.6	86.4	90.6	92.7
10°	124.0	124.0	124.7	123.3	125.4	124.7	124.7	124.0	124.0	124.7	124.7
12.5°	138.0	133.8	133.1	131.7	132.4	131.7	132.4	135.9	135.2	135.9	134.5
15°	218.8	218.1	217.4	213.9	202.8	193.0	190.9	189.5	181.8	179.1	177.7
17.5°	231.3	227.8	231.3	229.9	226.4	223.0	220.2	214.6	198.6	198.6	196.5
20°	291.2	299.6	302.4	317.7	315.6	321.2	321.2	319.1	319.8	317.7	309.4
22.5°	353.9	345.6	340.7	348.4	349.8	346.3	353.9	352.5	370.0	361.6	385.3
25°	445.2	463.3	474.5	464.0	459.1	461.2	467.5	459.8	464.0	461.2	462.6
27.5°	496.8	505.8	499.6	498.9	501.6	503.7	494.7	494.7	494.0	511.4	528.1
30°	578.3	570.6	570.6	574.8	581.1	581.1	573.4	571.3	579.0	572.0	580.4
32.5°	608.9	604.8	619.4	667.5	669.6	659.8	660.5	669.6	670.3	680.0	681.4
35°	690.5	702.3	710.7	712.8	704.4	703.7	712.8	717.6	727.4	728.1	736.4
37.5°	745.5	750.4	751.1	748.3	735.8	744.1	749.0	755.3	755.3	762.2	758.7
40°	806.8	808.9	808.2	785.9	782.4	792.2	795.0	792.9	792.2	793.6	790.8
42.5°	886.9	882.8	861.9	845.1	848.6	848.6	844.4	834.7	839.6	829.1	824.2
45°	991.5	981.0	947.6	932.9	933.6	920.4	904.4	902.3	889.0	876.5	888.3
47.5°	1132.9	1100.1	1067.4	1054.2	1040.2	1019.3	992.2	981.7	961.5	950.3	951.7
50°	1302.2	1253.4	1231.8	1234.6	1206.7	1167.7	1145.4	1113.4	1076.5	1073.0	1057.6
52.5°	1468.7	1442.2	1448.5	1446.4	1412.3	1376.1	1356.5	1331.5	1291.1	1272.9	1229.7
55°	1640.8	1654.1	1691.0	1689.6	1672.9	1668.0	1658.2	1636.6	1642.9	1596.9	1543.3
57.5°	1969.7	2035.9	2124.3	2158.5	2155.0	2168.9	2203.1	2240.0	2268.6	2232.3	2237.9
60°	2363.3	2502.7	2634.4	2692.9	2791.8	2837.8	2914.4	3014.1	3081.7	3031.5	3117.9
62.5°	2564.0	2763.9	2864.3	2932.6	3063.5	3129.0	3229.4	3342.2	3370.1	3408.4	3504.6
65°	2584.9	2760.5	2832.9	2939.5	3044.0	3079.6	3212.6	3285.1	3274.7	3370.1	3380.6
67.5°	2271.4	2421.2	2536.1	2692.9	2772.3	2854.5	2964.6	2978.5	3022.4	3099.8	3045.4
70°	1613.6	1856.1	2011.5	2192.6	2318.0	2450.4	2554.9	2564.0	2635.1	2659.4	2631.6
72.5°	873.0	1109.9	1296.6	1519.6	1666.6	1817.8	1912.5	1967.6	1995.5	1958.5	2028.2
75°	491.9	588.7	709.3	824.9	941.3	999.1	1043.0	1063.9	1017.9	1004.0	1002.6
77.5°	416.0	411.1	420.8	399.9	405.5	390.9	393.7	358.1	333.7	351.2	349.8
80°	510.7	464.7	411.1	338.6	289.8	246.6	222.3	215.3	224.3	248.0	264.8
82.5°	678.6	670.3	581.8	489.1	411.1	328.9	266.2	229.9	234.1	250.1	280.8
85°	466.1	486.3	431.3	404.1	332.3	278.7	229.9	184.6	169.3	161.6	154.0
87.5°	94.1	82.2	73.9	69.7	60.6	53.6	48.1	43.9	44.6	41.8	41.1
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):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
2.5°	69.7	66.2	66.9	64.8	63.4	62.7	64.8	64.8	64.1	63.4	60.6
5°	94.8	94.1	91.3	87.8	83.6	75.9	71.8	68.3	66.2	65.5	64.1
7.5°	94.1	93.4	92.7	92.7	92.7	92.0	92.0	89.9	87.8	81.5	67.6
10°	124.7	128.2	135.9	140.0	140.0	139.3	135.2	134.5	133.8	133.1	127.5
12.5°	134.5	131.0	131.0	131.7	136.6	141.4	144.2	142.8	142.8	142.8	140.7
15°	177.0	177.0	176.3	176.3	176.3	177.7	177.0	181.2	183.9	182.5	183.2
17.5°	196.5	199.3	197.9	197.9	193.7	186.0	200.7	183.2	182.5	205.5	225.0
20°	297.5	296.8	292.6	291.2	288.4	287.1	289.1	289.8	290.5	289.8	294.0
22.5°	383.2	371.4	362.3	360.2	369.3	372.8	368.6	369.3	366.5	367.2	360.9
25°	466.1	455.7	466.1	455.0	447.3	439.6	438.9	434.8	440.3	443.1	451.5
27.5°	540.0	545.5	544.8	551.1	541.4	533.0	533.7	530.2	536.5	543.5	535.8
30°	581.8	586.7	583.9	576.2	579.7	581.8	595.0	592.9	590.1	574.8	567.8
32.5°	687.0	684.9	679.3	684.2	700.2	708.6	687.7	682.8	683.5	692.6	687.0
35°	732.3	732.3	733.7	755.3	760.8	745.5	744.8	749.0	758.0	741.3	731.6
37.5°	755.3	760.1	779.0	784.5	767.8	767.8	780.3	776.9	769.2	767.1	776.2
40°	789.4	809.6	815.9	799.2	799.9	811.7	799.2	790.1	796.4	817.3	818.0
42.5°	843.1	851.4	834.0	831.2	847.9	833.3	833.3	845.8	853.5	852.1	859.8
45°	895.3	880.0	869.5	884.9	874.4	862.6	890.4	893.2	893.2	900.9	912.0
47.5°	944.8	919.7	930.1	923.9	900.9	932.9	939.2	938.5	942.7	955.9	952.4
50°	1017.9	1000.5	997.0	965.0	984.5	997.0	996.3	1004.7	1012.4	1008.2	1038.8
52.5°	1167.7	1161.5	1102.9	1083.4	1093.2	1082.0	1093.2	1087.6	1086.9	1112.7	1114.8
55°	1492.4	1456.9	1354.5	1350.3	1297.3	1253.4	1268.1	1254.1	1260.4	1277.1	1289.0
57.5°	2235.8	2130.6	2102.1	2087.4	1983.6	1865.2	1852.6	1869.3	1867.3	1840.8	1884.7
60°	3119.3	3045.4	3124.2	3067.0	2986.2	2947.2	2890.1	2888.0	2863.6	2843.4	2797.4
62.5°	3442.6	3535.9	3609.8	3612.6	3630.7	3610.5	3581.9	3547.8	3552.7	3496.2	3478.1
65°	3379.9	3517.8	3556.1	3631.4	3687.8	3765.9	3767.2	3779.8	3768.6	3724.1	3661.3
67.5°	3170.8	3237.0	3279.5	3368.7	3480.9	3584.0	3668.3	3680.9	3688.5	3662.7	3570.1
70°	2753.5	2781.4	2841.3	2931.2	3067.0	3169.5	3284.4	3296.3	3320.6	3293.5	3228.7
72.5°	2038.6	2030.3	2061.6	2123.6	2187.7	2258.8	2332.0	2336.9	2390.5	2336.9	2262.3
75°	947.6	923.2	903.0	899.5	907.1	928.1	926.0	898.1	890.4	827.0	781.7
77.5°	324.7	316.3	299.6	273.8	244.6	209.0	183.2	170.7	158.9	141.4	135.2
80°	286.4	305.2	303.1	282.9	248.7	208.3	170.0	151.2	135.2	108.7	98.2
82.5°	330.3	372.1	403.4	381.8	328.2	266.8	193.7	161.6	132.4	89.9	73.2
85°	158.2	156.1	171.4	145.6	138.0	101.0	75.9	64.1	58.5	48.1	44.6
87.5°	41.8	42.5	43.9	43.9	42.5	39.7	39.0	37.6	36.9	34.1	32.0
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):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
2.5°	60.6	59.9	59.9	59.2	59.2	59.2	59.2	59.2	58.5	58.5	58.5
5°	64.8	64.8	64.1	62.0	60.6	60.6	59.9	59.9	59.2	59.2	59.2
7.5°	62.0	61.3	60.6	61.3	62.7	63.4	63.4	62.7	62.0	62.7	62.7
10°	108.0	100.3	98.2	97.5	96.1	96.1	95.5	94.1	92.0	91.3	91.3
12.5°	137.3	111.5	108.0	107.3	105.9	105.2	104.5	101.0	99.6	101.0	101.7
15°	182.5	172.8	151.9	152.6	153.3	152.6	152.6	151.2	149.1	147.0	147.0
17.5°	211.1	218.8	193.7	201.4	195.8	202.1	198.6	195.8	200.0	183.9	188.8
20°	291.9	291.9	280.8	264.1	266.2	268.9	272.4	271.7	268.2	262.0	259.2
22.5°	366.5	362.3	366.5	356.0	352.5	357.4	335.8	347.0	343.5	347.7	348.4
25°	455.0	456.4	441.7	429.2	418.7	420.1	428.5	426.4	416.0	419.4	429.9
27.5°	528.1	533.7	544.2	529.5	520.5	517.7	514.9	517.0	531.6	530.2	517.7
30°	574.8	567.1	565.1	572.0	583.9	574.8	586.7	568.5	563.0	580.4	579.7
32.5°	665.4	676.5	687.0	684.9	686.3	698.8	691.9	693.3	688.4	683.5	693.3
35°	743.4	744.1	737.1	746.9	744.1	747.6	756.7	757.4	760.1	758.7	759.4
37.5°	775.5	781.0	783.8	766.4	785.2	786.6	795.0	801.9	815.9	826.3	831.2
40°	827.0	823.5	817.3	836.1	818.7	829.8	850.0	863.3	878.6	899.5	906.5
42.5°	868.1	868.1	879.3	874.4	896.0	891.8	914.8	937.1	956.6	961.5	999.1
45°	912.7	933.6	935.7	946.9	960.8	986.6	988.7	1006.8	1028.4	1055.6	1068.1
47.5°	980.3	982.4	1008.2	1022.8	1042.3	1064.6	1077.2	1083.4	1110.6	1132.9	1146.8
50°	1036.7	1072.3	1087.6	1111.3	1137.1	1148.2	1167.7	1183.1	1193.5	1208.1	1217.2
52.5°	1141.9	1165.6	1199.8	1222.8	1248.6	1267.4	1284.1	1312.0	1312.6	1311.3	1321.0
55°	1317.5	1366.3	1419.9	1437.4	1486.8	1510.5	1539.8	1556.5	1581.6	1556.5	1562.8
57.5°	1916.0	1994.1	2037.3	2095.1	2140.4	2174.5	2182.9	2203.1	2239.3	2235.1	2212.1
60°	2849.0	2858.0	2892.1	2936.0	2933.3	2973.0	2947.9	2978.5	2924.2	2917.9	2861.5
62.5°	3445.4	3427.2	3423.8	3418.9	3402.9	3373.6	3336.0	3306.0	3257.9	3188.3	3140.2
65°	3584.0	3527.6	3489.3	3459.3	3400.1	3337.4	3287.2	3231.5	3191.7	3119.3	3046.8
67.5°	3476.0	3407.0	3338.1	3248.2	3183.4	3106.0	3031.5	2982.7	2909.6	2869.2	2751.4
70°	3153.4	3029.4	2913.7	2797.4	2741.0	2637.1	2567.5	2531.9	2458.8	2414.2	2327.1
72.5°	2203.1	2102.7	1934.1	1845.7	1826.8	1751.6	1720.9	1704.2	1668.7	1628.3	1583.0
75°	744.1	710.0	667.5	581.8	605.5	572.0	550.4	581.8	569.9	570.6	548.3
77.5°	130.3	126.1	120.5	114.3	112.2	114.3	111.5	115.7	116.4	118.4	116.4
80°	93.4	88.5	85.0	82.2	80.1	80.8	78.7	79.4	78.7	79.4	78.7
82.5°	66.9	64.1	60.6	58.5	57.8	58.5	57.1	59.2	60.6	62.7	64.8
85°	41.8	41.1	39.0	38.3	38.3	37.6	38.3	41.1	43.9	47.4	49.5
87.5°	30.0	30.0	28.6	30.0	30.0	31.4	33.4	36.9	40.4	43.9	48.1
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):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
2.5°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	57.8	57.8	58.5	58.5
5°	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	61.3	92.0
7.5°	62.0	62.0	62.0	61.3	61.3	61.3	62.0	62.7	62.0	87.8	59.9
10°	92.7	94.1	95.5	94.8	95.5	96.1	96.8	96.8	105.9	93.4	64.1
12.5°	102.4	102.4	103.1	102.4	101.7	111.5	131.7	131.7	132.4	103.1	102.4
15°	144.9	142.8	144.9	151.2	170.7	173.5	174.2	173.5	165.1	154.0	147.7
17.5°	174.2	165.8	174.9	190.9	173.5	172.8	162.3	154.7	157.5	192.3	199.3
20°	263.4	273.1	278.0	286.4	280.1	263.4	257.1	257.8	256.4	262.7	222.3
22.5°	344.2	356.7	355.3	351.9	342.1	352.5	356.7	330.3	325.4	346.3	358.8
25°	447.3	441.0	442.4	435.5	432.0	433.4	437.5	457.8	457.1	495.4	399.2
27.5°	534.4	542.8	537.2	537.9	550.4	542.1	556.0	556.0	584.6	541.4	535.1
30°	570.6	579.0	595.0	599.2	611.7	619.4	618.0	622.9	625.0	654.2	583.9
32.5°	712.1	703.7	716.2	735.1	742.0	748.3	767.8	765.7	754.6	724.6	666.8
35°	776.9	795.0	795.0	797.1	827.7	829.8	827.7	839.6	830.5	811.0	703.0
37.5°	841.0	847.9	870.2	873.7	868.8	891.8	892.5	886.2	895.3	859.8	769.9
40°	916.9	926.7	930.1	949.7	939.9	937.1	963.6	953.8	947.6	904.4	790.1
42.5°	1003.3	1000.5	1006.1	1007.5	1017.9	1006.8	1006.1	1027.7	1011.0	941.3	788.0
45°	1090.4	1078.5	1073.0	1073.7	1072.3	1077.8	1060.4	1072.3	1074.4	960.8	769.9
47.5°	1145.4	1160.8	1146.8	1135.0	1127.3	1128.0	1122.4	1095.3	1116.9	967.1	741.3
50°	1231.1	1229.7	1228.3	1201.9	1194.2	1179.6	1172.6	1153.1	1137.8	946.9	710.0
52.5°	1327.3	1324.5	1328.0	1305.0	1275.7	1257.6	1236.7	1218.6	1183.1	926.7	675.1
55°	1564.9	1558.6	1539.8	1533.5	1479.9	1433.9	1376.7	1341.9	1310.6	925.3	634.7
57.5°	2205.2	2176.6	2127.8	2090.2	1989.2	1892.3	1803.2	1701.4	1631.1	1002.6	604.1
60°	2796.0	2759.8	2697.1	2575.8	2470.6	2300.6	2139.0	2005.2	1882.6	1084.1	569.2
62.5°	3034.3	2958.3	2865.7	2745.8	2566.8	2402.3	2181.5	2026.8	1872.1	1036.0	480.7
65°	2975.1	2847.6	2734.0	2599.5	2428.1	2222.6	1997.5	1811.5	1677.0	836.8	333.7
67.5°	2692.9	2575.8	2462.3	2304.1	2114.6	1885.4	1692.4	1500.1	1379.5	595.7	186.0
70°	2253.9	2164.8	2026.8	1873.5	1701.4	1493.1	1296.6	1129.4	1009.6	363.7	90.6
72.5°	1549.5	1473.6	1415.8	1285.5	1111.3	923.2	812.4	682.1	610.3	186.0	59.9
75°	560.2	566.4	521.9	498.9	441.7	356.0	313.5	264.1	230.6	84.3	59.2
77.5°	130.3	128.2	135.2	138.7	128.9	117.7	105.9	97.5	91.3	66.2	62.7
80°	79.4	78.7	78.0	77.3	76.6	75.9	75.2	73.9	72.5	64.8	63.4
82.5°	66.2	66.9	66.9	66.9	67.6	67.6	68.3	68.3	67.6	64.8	64.1
85°	51.6	53.6	55.7	57.8	60.6	63.4	64.8	65.5	65.5	63.4	63.4
87.5°	51.6	54.3	57.8	62.0	66.2	69.7	72.5	73.9	73.9	64.1	62.7
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):

	135°	145°	155°	165°	175°	180°
0°	59.9	59.9	59.9	59.9	59.9	59.9
2.5°	62.0	60.6	61.3	66.2	63.4	62.0
5°	93.4	72.5	60.6	59.9	59.2	58.5
7.5°	62.0	62.0	63.4	78.7	87.1	92.0
10°	69.7	99.6	104.5	102.4	103.1	101.7
12.5°	140.7	105.9	110.8	124.7	144.9	144.9
15°	152.6	186.0	151.2	152.6	150.5	150.5
17.5°	200.0	198.6	160.9	194.4	197.2	197.2
20°	252.9	229.2	238.3	209.0	205.5	204.8
22.5°	273.1	282.9	252.2	256.4	256.4	255.0
25°	363.7	318.4	297.5	264.8	294.0	287.8
27.5°	423.6	352.5	348.4	312.8	308.7	305.9
30°	502.3	441.7	372.1	356.0	355.3	352.5
32.5°	545.5	460.5	402.7	367.2	393.0	391.6
35°	594.3	480.1	426.4	399.9	381.8	379.0
37.5°	597.1	488.4	413.2	406.2	400.6	398.5
40°	604.8	471.7	411.8	405.5	399.9	397.8
42.5°	582.5	448.7	391.6	368.6	358.1	355.3
45°	551.8	413.2	349.8	324.0	311.4	308.7
47.5°	515.6	381.1	305.2	281.5	264.1	259.2
50°	478.0	339.3	261.3	232.7	216.0	210.4
52.5°	436.9	286.4	212.5	188.1	170.7	167.2
55°	387.4	230.6	165.8	149.1	138.7	135.9
57.5°	323.3	173.5	126.8	119.1	114.3	112.9
60°	248.0	121.9	95.5	97.5	95.5	96.8
62.5°	170.0	80.8	73.2	79.4	80.1	80.1
65°	98.9	58.5	59.2	66.9	67.6	68.3
67.5°	60.6	48.8	51.6	59.2	59.9	59.9
70°	50.9	45.3	48.1	55.7	56.4	56.4
72.5°	49.5	45.3	46.7	54.3	55.0	55.7
75°	50.2	44.6	46.7	54.3	53.6	53.0
77.5°	51.6	44.6	46.0	54.3	55.0	51.6
80°	50.9	43.2	43.9	57.8	55.7	47.4
82.5°	48.8	40.4	39.0	61.3	49.5	42.5
85°	45.3	36.2	32.0	66.9	48.8	30.7
87.5°	25.8	30.0	23.7	58.5	44.6	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)