

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: P157030

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157030
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33668)
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2645.8 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

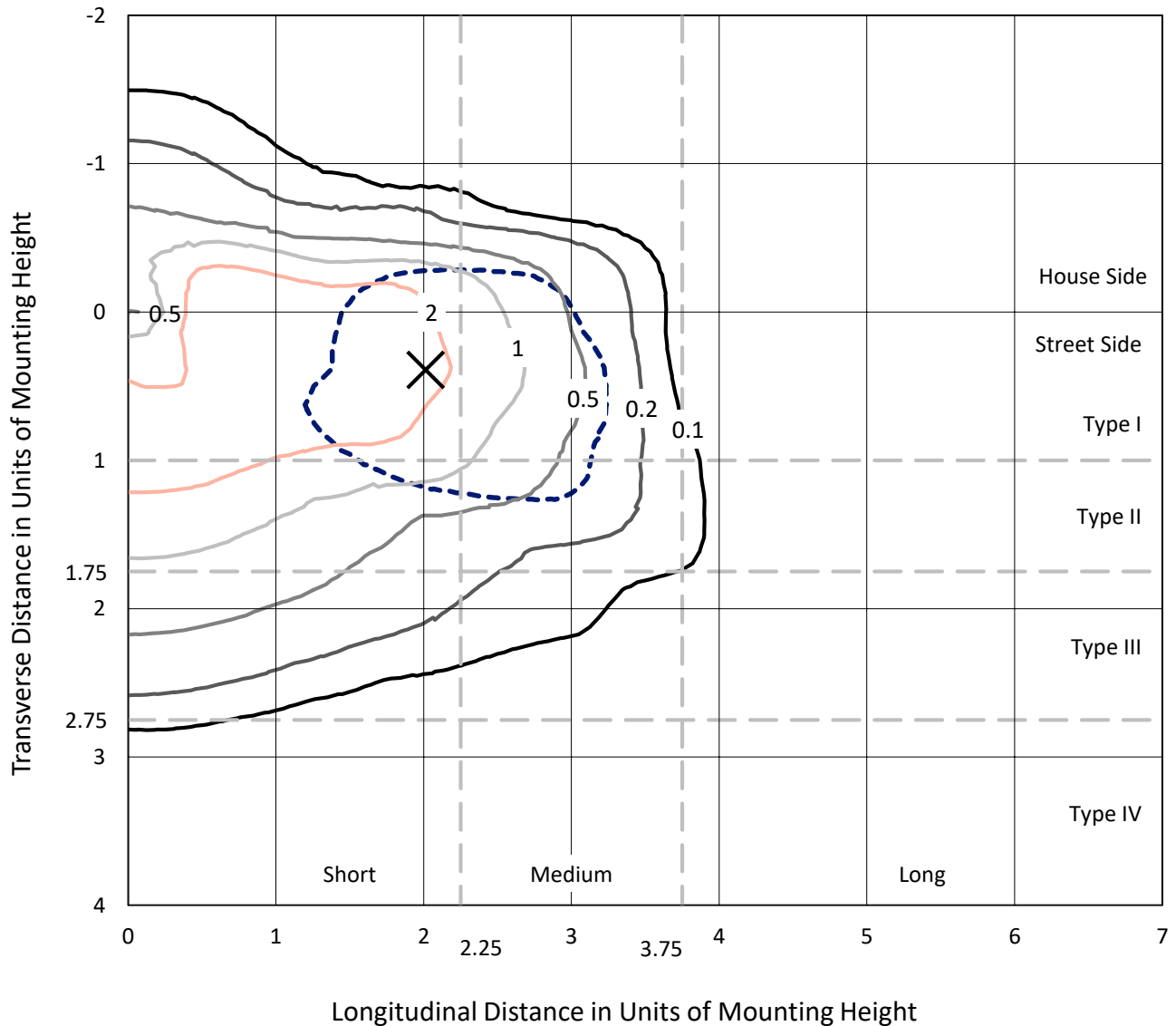
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

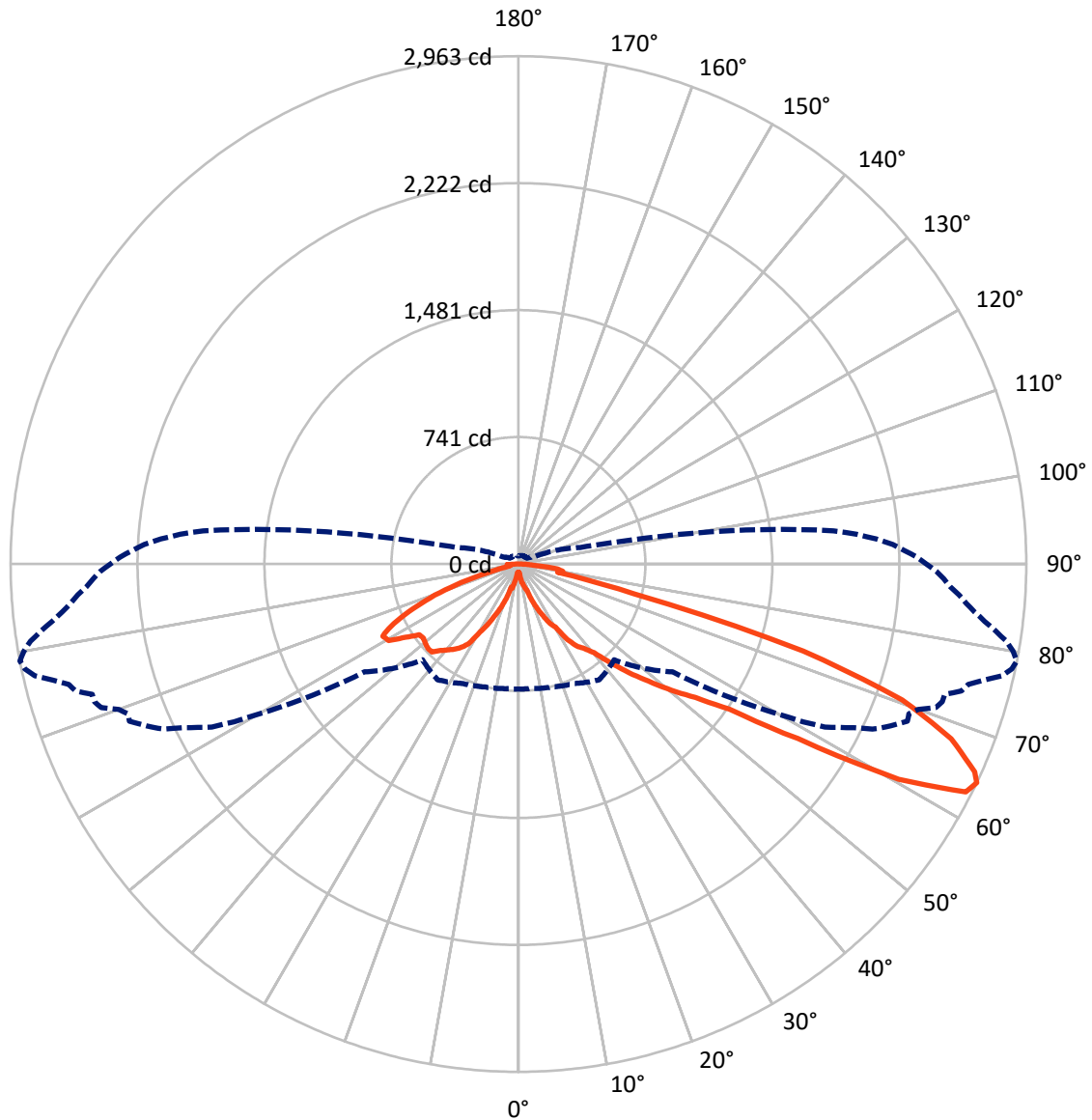


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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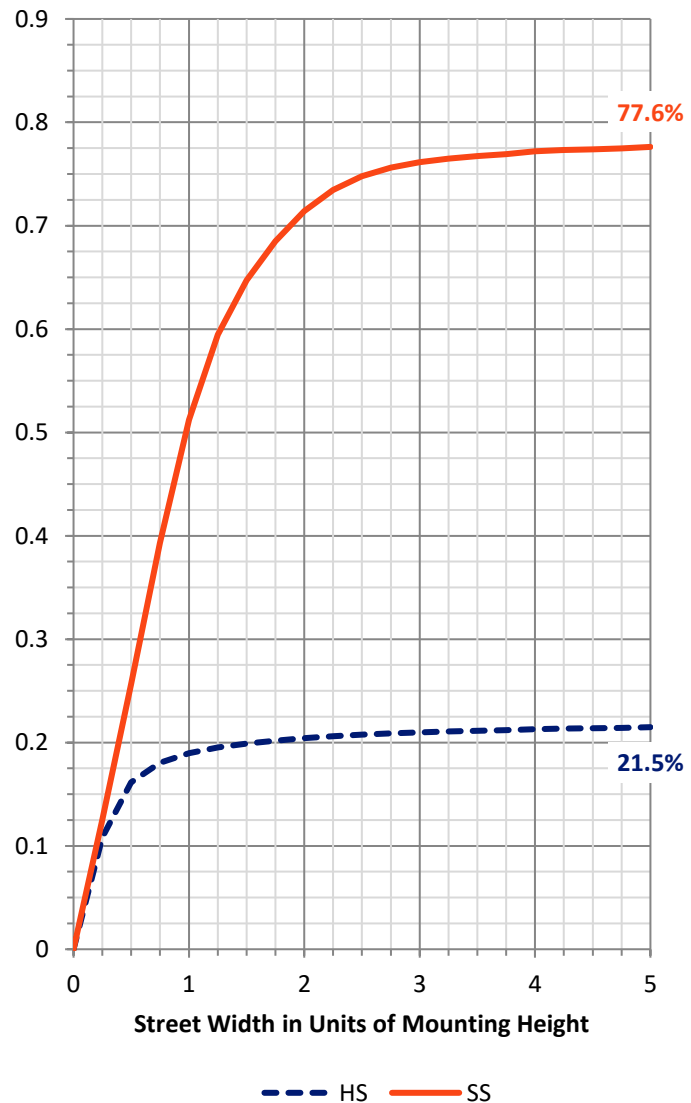
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.2	0.0	581.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2064.6	0.0	2064.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	2645.8	0.0	2645.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.3
10°-20°	38.7	1.5
20°-30°	113.1	4.3
30°-40°	247.2	9.3
40°-50°	449.7	17.0
50°-60°	627.9	23.7
60°-70°	789.6	29.8
70°-80°	306.1	11.6
80°-90°	66.8	2.5
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°	2645.8	100.0
0°-180°	2645.8	100.0



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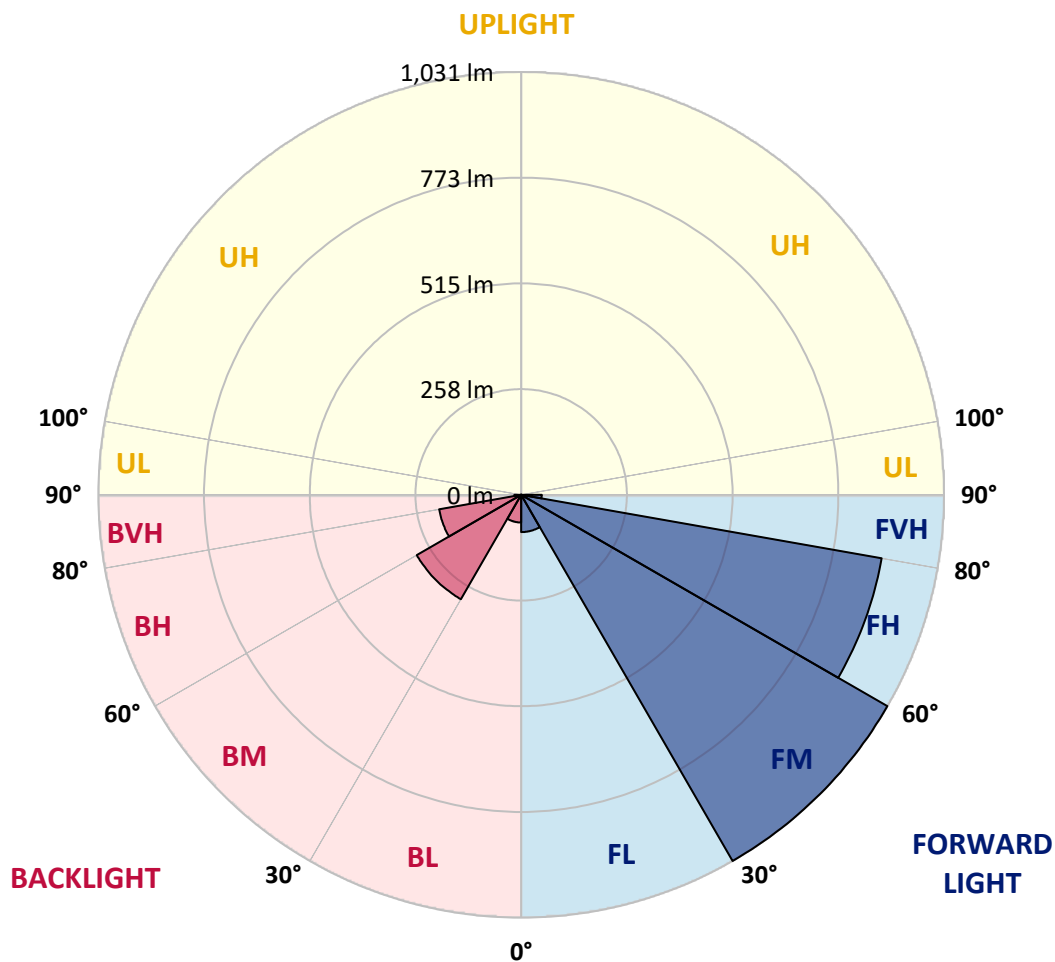
CATALOG NUMBER: UTLD-E01-LED-E-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.9	3.4			
FM (30°-60°)	1031.0	39.0			
FH (60°-80°)	892.5	33.7			G1/1800
FVH (80°-90°)	50.2	1.9			G1/100
BL (0°-30°)	67.5	2.6	B0/110		
BM (30°-60°)	293.9	11.1	B1/1000		
BH (60°-80°)	203.2	7.7	B1/500		G1/500
BVH (80°-90°)	16.7	0.6			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°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	77.5	77.0	78.0	78.0	78.0	77.0	69.0	59.0	58.5	57.0	55.5
5°	64.0	64.0	64.0	64.5	65.0	66.0	70.0	75.0	77.5	78.0	78.5
7.5°	93.5	94.5	94.5	94.5	78.5	67.5	67.0	68.0	67.0	66.0	64.5
10°	96.0	96.5	96.5	97.5	98.0	96.5	82.5	93.5	93.5	94.0	94.5
12.5°	131.5	132.5	132.0	127.5	104.0	127.5	133.5	125.0	116.5	107.5	102.0
15°	139.5	141.5	137.5	133.5	159.0	149.5	141.0	162.5	162.5	164.0	168.5
17.5°	180.0	180.5	177.5	172.5	165.0	169.0	172.5	172.0	175.0	177.5	176.0
20°	216.0	211.5	186.0	199.5	197.0	195.5	196.0	213.5	215.0	216.0	220.5
22.5°	228.0	228.0	217.5	228.5	218.0	220.5	240.5	264.0	263.0	259.0	253.0
25°	278.0	279.0	255.0	236.5	241.5	247.5	259.5	295.5	291.0	296.0	298.5
27.5°	300.5	302.5	281.0	276.0	251.5	278.5	321.0	331.0	334.5	340.5	340.5
30°	361.0	362.0	348.0	308.5	300.0	303.5	347.0	361.5	366.5	373.0	397.5
32.5°	452.5	453.0	419.5	354.0	337.5	350.5	402.0	418.5	428.0	419.0	429.5
35°	598.5	594.0	531.5	478.5	437.5	405.0	456.0	514.0	508.0	509.5	514.5
37.5°	695.5	701.5	682.0	621.5	593.0	548.0	578.5	586.0	574.5	583.5	586.5
40°	772.5	781.0	773.0	743.0	715.5	695.5	732.5	706.5	690.0	691.5	680.0
42.5°	801.5	811.0	819.0	836.5	829.5	851.0	902.5	865.0	862.0	847.5	819.5
45°	821.5	830.5	856.5	891.5	902.5	959.0	1048.0	1033.0	1044.0	1012.5	995.5
47.5°	825.5	834.0	863.5	918.5	949.0	1031.0	1168.5	1183.5	1192.0	1175.0	1171.0
50°	790.5	797.5	829.0	894.5	939.0	1062.5	1248.5	1303.5	1311.0	1315.5	1319.0
52.5°	736.0	744.5	774.0	829.5	886.0	1048.0	1292.0	1398.0	1407.0	1426.5	1450.0
55°	714.5	721.5	740.0	785.0	828.0	988.5	1314.0	1478.0	1492.5	1526.5	1567.0
57.5°	711.5	718.5	735.0	750.0	797.5	919.0	1323.5	1568.5	1613.5	1668.5	1734.0
60°	737.5	740.5	748.0	748.5	770.5	866.0	1294.5	1680.0	1770.0	1850.5	1953.5
62.5°	755.0	757.5	769.0	790.0	784.0	813.0	1196.5	1752.5	1886.5	2005.5	2139.0
64°	729.5	729.5	743.0	769.0	823.5	790.5	1097.0	1750.0	1897.0	2024.5	2176.5
65°	700.5	700.0	712.5	733.5	817.0	787.0	1025.0	1708.0	1860.0	1988.0	2152.5
67.5°	569.0	549.5	561.0	587.5	689.0	795.0	846.0	1437.0	1593.0	1747.5	1937.0
70°	294.5	305.0	311.0	355.0	476.5	684.0	710.0	1015.5	1193.0	1347.0	1608.5
72.5°	124.5	116.5	131.0	162.0	250.5	484.5	653.0	705.5	798.0	920.5	1198.0
75°	67.5	68.0	71.0	80.5	130.5	267.5	602.0	621.5	630.0	650.0	798.0
77.5°	50.0	50.0	51.5	51.5	68.0	139.0	480.0	587.5	589.0	576.0	610.0
80°	37.5	39.5	42.0	40.0	42.5	79.0	281.0	533.5	556.0	560.5	588.5
82.5°	31.0	32.0	37.5	36.0	33.5	47.5	132.0	404.0	467.0	504.0	573.0
85°	21.0	22.5	34.0	33.0	30.5	32.0	76.5	131.0	158.0	182.5	232.5
87.5°	8.5	11.0	22.0	20.0	21.0	18.0	47.0	69.0	76.0	86.5	107.5
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°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	54.5	53.5	53.0	52.0	51.5	51.0	51.5	50.5	50.0	50.5	49.5
5°	78.0	78.0	77.5	76.5	76.0	75.0	74.5	70.5	66.0	63.5	59.5
7.5°	65.0	65.0	66.0	68.5	71.0	73.5	75.0	75.5	75.0	75.5	75.5
10°	94.5	96.0	96.0	97.0	97.0	97.5	98.0	99.0	100.0	106.0	110.5
12.5°	101.5	102.0	102.0	102.5	104.5	106.5	106.5	108.0	107.0	106.5	105.5
15°	166.0	163.5	152.0	150.5	150.0	148.5	144.5	143.0	143.0	144.0	143.5
17.5°	177.5	179.0	177.0	174.5	172.0	166.5	157.0	158.0	157.0	158.0	160.0
20°	222.0	217.5	220.5	231.5	239.0	241.5	244.0	245.5	240.5	233.0	232.0
22.5°	250.5	248.0	254.0	256.0	256.5	261.5	262.5	266.0	279.5	277.0	279.5
25°	299.0	325.0	325.5	327.0	329.5	332.5	330.5	335.0	334.0	338.0	338.0
27.5°	348.0	346.0	348.0	350.0	347.5	346.0	351.0	351.0	360.5	355.0	356.0
30°	395.0	396.5	401.0	405.0	408.0	406.5	407.0	414.0	409.0	413.0	419.0
32.5°	428.0	434.0	445.0	448.0	476.5	472.0	484.5	490.5	495.5	503.5	511.0
35°	522.5	527.0	533.0	533.0	530.0	537.5	543.0	547.0	552.0	564.5	560.5
37.5°	588.0	588.5	590.5	577.5	586.0	589.5	589.5	598.0	607.0	607.5	598.5
40°	675.0	663.0	658.0	646.5	657.0	642.5	653.5	651.5	658.0	650.0	655.0
42.5°	806.5	788.5	760.5	756.5	747.5	739.5	730.0	738.0	724.0	730.0	745.5
45°	973.5	925.5	913.0	900.0	863.0	857.0	852.5	834.0	816.0	835.5	862.0
47.5°	1148.0	1095.0	1078.0	1053.5	1029.0	997.5	979.0	940.5	931.5	956.0	973.5
50°	1295.0	1254.5	1257.5	1223.0	1192.5	1172.0	1121.0	1082.5	1080.5	1089.0	1080.5
52.5°	1424.0	1415.5	1417.0	1395.5	1375.0	1349.5	1288.0	1265.0	1249.5	1236.5	1202.0
55°	1552.5	1580.5	1578.0	1594.5	1590.0	1571.5	1528.0	1533.0	1527.0	1484.5	1450.0
57.5°	1765.0	1808.0	1835.0	1859.0	1910.0	1904.5	1896.0	1972.5	1969.5	1929.0	1945.0
60°	2043.0	2089.5	2158.0	2219.5	2276.5	2292.0	2340.5	2445.5	2436.5	2441.0	2494.0
62.5°	2253.0	2311.5	2384.5	2456.5	2455.5	2496.0	2593.5	2646.5	2636.5	2708.5	2750.5
64°	2278.5	2340.5	2393.5	2447.5	2440.0	2481.0	2574.0	2599.5	2600.0	2687.5	2716.0
65°	2241.0	2307.0	2345.5	2393.0	2384.0	2429.0	2521.5	2520.5	2535.0	2624.0	2649.0
67.5°	2011.0	2100.5	2132.0	2149.5	2159.5	2227.0	2277.5	2256.5	2319.0	2355.5	2416.0
70°	1696.0	1796.0	1851.0	1858.5	1893.5	1961.5	1998.5	1959.0	2036.0	2011.5	2117.0
72.5°	1337.5	1431.0	1513.5	1522.5	1582.0	1617.0	1613.5	1614.0	1626.0	1587.5	1675.5
75°	929.0	1000.5	1063.5	1071.5	1103.0	1072.0	1049.0	1003.5	951.0	906.5	901.0
77.5°	632.5	656.0	650.0	626.5	601.0	560.5	528.5	519.5	486.0	472.0	443.0
80°	586.0	594.0	582.5	581.0	562.0	517.0	494.0	456.0	451.0	434.5	414.0
82.5°	586.0	590.0	592.0	603.5	578.0	543.5	504.0	447.5	428.0	384.0	357.5
85°	278.0	295.0	323.5	348.5	347.5	338.0	294.5	271.5	230.5	197.5	167.5
87.5°	124.0	138.0	154.0	160.0	165.5	160.0	145.0	131.0	107.5	84.0	69.5
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°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	49.5	49.5	49.5	49.5	49.0	49.0	49.0	49.0	49.0	48.5	48.5
5°	55.5	54.5	52.5	52.5	51.5	51.0	51.0	50.5	50.5	50.0	50.0
7.5°	75.0	74.5	73.0	67.0	58.0	54.5	51.5	51.5	51.0	51.5	52.5
10°	112.5	112.5	111.5	110.0	109.5	107.5	97.5	89.0	83.5	82.5	81.5
12.5°	107.0	109.5	116.0	119.5	119.5	119.0	118.0	115.0	101.0	92.5	90.5
15°	144.0	145.0	145.5	147.5	153.5	154.5	153.5	154.5	153.5	144.0	131.0
17.5°	162.0	158.5	158.5	160.0	166.0	163.0	169.0	187.0	190.5	175.5	177.0
20°	230.0	230.0	231.0	227.5	230.0	234.5	235.0	237.0	241.0	240.0	234.0
22.5°	273.0	269.5	278.0	282.0	283.5	283.0	282.5	281.5	283.5	286.5	284.0
25°	332.0	335.0	335.5	333.5	329.0	327.0	330.5	334.0	344.5	351.0	346.5
27.5°	367.0	376.0	399.0	394.0	391.0	394.5	397.0	405.5	402.0	399.5	406.5
30°	427.5	426.0	421.0	425.5	431.5	439.0	437.0	431.0	428.0	435.0	433.0
32.5°	508.5	502.5	512.0	525.5	535.0	527.0	521.5	528.5	528.5	521.0	529.5
35°	553.5	564.5	579.0	588.0	581.5	581.5	587.0	583.5	586.0	594.5	599.5
37.5°	608.0	626.0	635.0	626.0	628.0	640.0	640.5	645.5	650.5	660.0	674.0
40°	677.5	686.5	680.0	679.5	694.5	698.5	707.5	725.0	732.5	746.0	752.0
42.5°	763.5	766.0	767.0	785.0	787.5	792.0	815.0	831.0	850.5	856.0	848.5
45°	870.0	868.5	891.0	903.5	906.5	938.0	947.0	959.0	972.0	960.5	979.5
47.5°	967.0	991.5	1020.5	1021.5	1047.0	1067.5	1075.5	1086.5	1076.0	1088.0	1074.0
50°	1081.5	1125.5	1121.0	1157.5	1177.5	1181.5	1198.0	1182.0	1184.0	1172.5	1168.5
52.5°	1224.5	1243.0	1241.0	1292.0	1295.5	1309.5	1297.5	1288.0	1286.5	1271.5	1260.5
55°	1473.0	1448.5	1474.5	1493.5	1503.5	1509.0	1471.0	1487.5	1449.5	1449.0	1423.0
57.5°	1931.0	1926.5	1943.0	1922.0	1949.0	1906.5	1904.0	1870.5	1847.0	1846.5	1831.5
60°	2482.5	2552.5	2568.5	2548.5	2497.0	2477.0	2444.5	2416.0	2374.5	2378.0	2347.0
62.5°	2793.5	2890.0	2915.5	2928.5	2862.0	2832.0	2757.5	2710.0	2646.0	2625.5	2575.5
64°	2799.0	2895.5	2942.5	2962.5	2929.0	2882.0	2811.5	2740.0	2675.0	2621.5	2576.0
65°	2757.5	2840.5	2904.5	2924.5	2922.0	2860.0	2801.5	2717.0	2657.0	2583.0	2536.5
67.5°	2534.0	2607.5	2691.0	2724.0	2758.0	2736.5	2686.5	2604.5	2532.5	2443.5	2378.5
70°	2188.0	2252.0	2326.5	2374.5	2411.5	2429.5	2386.5	2323.5	2269.0	2164.5	2088.0
72.5°	1709.0	1719.5	1734.5	1736.5	1722.0	1715.0	1676.5	1681.0	1581.0	1517.5	1473.5
75°	849.0	814.0	729.0	697.5	625.5	583.0	534.0	514.5	463.5	449.0	410.0
77.5°	389.0	340.5	281.0	234.0	195.5	169.0	144.0	126.5	112.0	106.5	98.5
80°	381.0	342.5	296.5	262.0	221.5	185.0	150.5	118.0	95.0	81.0	72.0
82.5°	324.5	279.5	248.5	228.0	202.5	177.0	145.0	117.0	90.0	69.5	56.5
85°	133.0	108.5	92.0	83.5	74.5	65.5	56.5	48.5	43.5	37.0	33.5
87.5°	57.0	50.0	46.0	45.5	43.5	42.0	40.5	38.5	34.0	31.5	28.5
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°	91°	92°	93°	94°	95°	96°	97°
0°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
5°	50.0	50.0	49.5	49.5	49.5	49.5	50.0	49.5	49.5	49.5	49.5
7.5°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.5	53.0	53.0	53.5
10°	81.0	80.5	78.5	78.0	77.0	77.0	77.0	77.5	79.5	80.5	81.5
12.5°	88.5	89.5	90.5	88.5	89.5	87.0	88.5	89.5	89.0	89.5	88.5
15°	132.0	132.0	131.5	131.0	129.5	128.0	127.5	127.5	126.5	125.5	126.5
17.5°	175.0	175.0	172.5	170.5	170.5	160.0	167.5	165.0	166.5	159.5	178.5
20°	219.5	218.5	220.0	223.5	225.0	222.5	219.0	215.0	214.0	220.5	228.5
22.5°	283.5	281.5	276.0	269.0	268.0	267.5	274.0	274.0	274.5	277.5	282.5
25°	339.5	328.5	324.0	329.0	330.5	323.5	323.5	326.0	339.5	344.5	345.0
27.5°	408.0	404.5	401.5	395.5	393.0	403.0	408.5	402.5	400.5	408.0	408.0
30°	436.0	444.0	443.5	449.5	454.0	441.5	435.0	451.0	449.5	438.0	444.5
32.5°	538.5	542.5	548.0	555.5	550.0	558.0	549.5	543.0	553.5	551.5	544.0
35°	599.0	610.0	610.0	610.5	625.5	622.5	619.0	617.0	609.0	614.5	618.0
37.5°	673.0	666.0	672.0	679.5	682.5	686.0	687.0	689.5	679.0	672.0	662.0
40°	745.5	754.0	746.5	748.5	754.5	753.5	757.5	763.0	748.0	737.5	723.5
42.5°	854.5	851.5	849.5	846.5	839.5	846.5	839.5	823.5	827.0	811.5	791.5
45°	969.0	963.0	963.5	954.0	947.0	928.0	922.5	918.0	899.0	887.5	856.0
47.5°	1075.0	1070.5	1054.5	1058.0	1036.5	1014.0	1000.0	993.0	967.0	936.0	917.0
50°	1166.0	1154.0	1154.5	1131.5	1116.0	1098.5	1076.5	1049.5	1021.0	992.0	951.0
52.5°	1248.5	1247.5	1233.0	1217.0	1194.0	1184.5	1147.0	1108.5	1074.0	1039.5	993.5
55°	1440.0	1422.5	1392.0	1384.0	1373.0	1315.5	1287.5	1240.5	1187.0	1145.0	1083.5
57.5°	1836.0	1813.0	1777.0	1773.5	1706.0	1660.0	1595.5	1540.5	1467.5	1396.0	1305.5
60°	2308.5	2274.5	2277.0	2225.0	2167.5	2112.5	2032.0	1954.0	1853.0	1730.5	1579.0
62.5°	2530.5	2497.5	2469.0	2410.0	2349.0	2288.5	2222.0	2117.5	2020.0	1877.0	1689.0
64°	2523.0	2482.5	2439.0	2379.5	2324.5	2254.0	2186.5	2091.5	1981.5	1849.0	1650.5
65°	2486.5	2441.5	2385.5	2328.5	2262.5	2197.0	2130.5	2044.5	1923.0	1794.5	1594.5
67.5°	2314.5	2256.5	2196.5	2141.5	2072.0	2007.0	1947.5	1870.0	1744.0	1606.0	1426.5
70°	2031.5	1960.0	1894.0	1858.5	1808.0	1750.0	1678.0	1613.0	1496.5	1359.5	1196.5
72.5°	1395.0	1312.5	1266.5	1281.5	1231.0	1213.0	1196.0	1145.0	1043.0	944.5	840.0
75°	436.5	403.5	381.5	408.5	390.0	420.0	410.5	401.5	374.5	363.0	326.5
77.5°	99.0	94.5	92.5	91.5	92.0	91.5	90.0	89.5	88.0	89.0	86.5
80°	68.5	65.5	64.5	63.0	62.0	60.5	59.0	58.5	58.0	57.0	56.5
82.5°	49.5	45.5	45.0	44.0	43.5	42.5	42.0	43.0	42.5	44.0	44.0
85°	32.0	30.0	29.0	29.5	29.0	30.0	30.5	31.5	33.0	34.5	37.0
87.5°	26.5	25.0	25.0	25.5	26.5	27.5	30.0	33.0	35.5	39.5	44.0
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2.5°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	49.5	50.0	52.5
5°	49.5	50.0	49.5	50.0	50.0	50.0	50.5	50.5	63.5	77.0	54.0
7.5°	53.0	53.5	53.0	52.5	52.0	51.5	54.0	56.5	71.0	50.5	49.5
10°	82.0	82.5	83.0	88.0	95.5	106.0	108.0	108.0	78.5	68.5	77.0
12.5°	88.5	92.0	107.0	112.5	112.5	112.5	111.5	105.5	83.0	108.5	108.0
15°	135.5	146.5	147.0	147.5	147.0	137.5	128.5	126.0	129.5	116.5	111.0
17.5°	173.5	153.5	167.5	140.0	132.0	134.0	136.0	139.0	158.0	147.5	136.5
20°	232.5	233.0	219.0	214.0	210.5	210.0	211.0	213.0	201.0	165.5	152.5
22.5°	277.5	270.0	272.5	276.0	273.0	266.0	263.0	259.5	238.0	218.5	161.0
25°	333.5	332.0	328.5	328.0	335.5	340.0	336.5	331.5	297.5	219.5	172.0
27.5°	407.0	410.0	409.0	398.5	393.5	400.5	393.5	378.5	333.5	272.5	177.5
30°	445.0	452.0	455.5	455.0	443.0	443.0	439.5	449.5	367.0	265.5	182.0
32.5°	548.0	548.5	547.0	547.5	545.5	528.5	511.0	501.5	362.0	271.5	173.5
35°	604.5	600.0	601.0	591.0	579.0	566.5	548.0	525.0	387.5	249.0	153.0
37.5°	665.5	649.0	631.5	623.0	605.5	590.5	576.5	549.0	375.0	230.5	131.0
40°	708.0	703.0	670.0	648.5	636.5	613.0	589.0	571.5	351.5	191.5	111.0
42.5°	758.5	737.0	721.5	679.5	652.5	634.0	600.0	568.0	314.5	155.0	96.5
45°	821.5	780.0	746.5	719.5	663.0	628.0	596.0	557.5	267.5	126.5	87.5
47.5°	872.0	827.0	769.5	722.0	675.5	606.5	570.0	525.5	223.0	109.0	81.5
50°	915.0	851.5	786.5	713.0	653.0	581.5	523.0	487.5	184.0	95.0	74.5
52.5°	941.0	870.5	790.5	702.5	618.0	552.0	487.5	437.0	154.5	85.0	67.5
55°	996.5	918.5	815.5	710.0	608.5	528.0	469.0	407.0	137.0	76.0	62.0
57.5°	1183.5	1051.0	923.0	783.0	659.5	556.0	485.0	418.0	127.5	69.5	57.5
60°	1421.0	1241.0	1058.5	878.5	726.0	601.5	504.5	434.5	117.5	65.5	55.0
62.5°	1498.0	1289.5	1080.0	896.0	721.5	588.0	487.5	410.5	103.0	62.5	54.5
64°	1446.0	1235.5	1032.5	845.5	680.0	548.0	451.0	372.0	93.0	61.5	56.5
65°	1386.5	1179.0	988.0	805.5	644.0	513.0	417.5	344.0	86.5	61.0	58.5
67.5°	1214.5	1023.0	839.5	668.5	528.0	415.0	323.5	258.5	72.5	62.5	65.5
70°	1020.0	826.0	673.0	521.0	401.0	305.0	229.0	177.0	63.0	66.5	71.0
72.5°	723.5	562.5	463.5	350.0	264.5	193.0	146.0	111.5	55.5	64.5	66.0
75°	286.5	240.0	192.0	149.5	122.0	100.0	84.0	68.5	50.0	57.5	52.0
77.5°	80.5	75.5	70.0	63.0	59.0	55.5	52.0	49.5	45.0	48.5	39.0
80°	54.0	52.0	50.5	49.0	48.0	46.5	45.5	45.0	41.5	40.5	29.0
82.5°	43.5	43.5	44.0	44.0	44.5	45.0	45.0	45.0	40.5	36.0	24.0
85°	39.5	42.0	45.0	48.5	51.0	52.0	52.5	51.5	38.5	31.0	19.0
87.5°	49.0	54.5	60.0	65.0	66.0	68.0	65.0	63.5	31.0	25.0	12.0
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):

	145°	155°	165°	175°	180°
0°	48.5	48.5	48.5	48.5	48.5
2.5°	58.5	74.5	78.0	78.0	76.5
5°	50.0	49.5	48.0	48.0	48.0
7.5°	50.0	67.5	76.0	77.5	76.5
10°	76.5	79.0	78.5	77.0	76.5
12.5°	79.5	86.5	102.0	100.5	101.0
15°	130.0	98.5	97.0	94.0	94.0
17.5°	124.0	106.0	111.0	109.0	109.0
20°	137.0	123.5	104.5	104.0	101.5
22.5°	142.0	130.0	113.5	109.0	109.0
25°	146.0	120.0	105.0	111.5	111.5
27.5°	134.5	121.0	102.0	97.5	97.0
30°	137.5	109.5	101.5	96.0	95.5
32.5°	125.5	101.0	91.5	95.0	95.0
35°	112.0	95.5	89.5	90.5	90.5
37.5°	101.0	89.5	90.0	91.5	91.5
40°	91.0	86.5	91.0	93.0	92.5
42.5°	84.5	83.0	85.0	87.0	86.5
45°	78.5	77.5	79.5	80.5	80.0
47.5°	73.5	73.5	74.0	74.5	74.5
50°	68.5	69.5	69.5	69.5	69.0
52.5°	64.0	64.0	65.0	64.5	64.5
55°	59.5	60.0	61.5	60.5	60.0
57.5°	55.5	57.5	57.5	56.5	56.0
60°	53.5	55.5	54.5	52.5	52.0
62.5°	54.5	54.0	52.0	49.5	49.0
64°	56.0	54.0	51.0	48.0	48.0
65°	57.5	54.0	50.5	47.0	47.0
67.5°	63.5	57.0	53.5	46.5	45.5
70°	67.0	61.5	57.5	46.5	44.5
72.5°	61.0	58.0	57.5	45.5	43.0
75°	47.0	49.0	51.5	42.5	40.5
77.5°	36.0	41.5	48.0	37.0	34.0
80°	29.0	39.5	50.0	31.0	26.0
82.5°	25.0	47.5	51.5	25.5	21.5
85°	20.5	53.5	50.5	22.0	15.5
87.5°	15.0	25.5	34.0	20.0	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)