

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: P157135

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157135
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4421.2 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 55
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

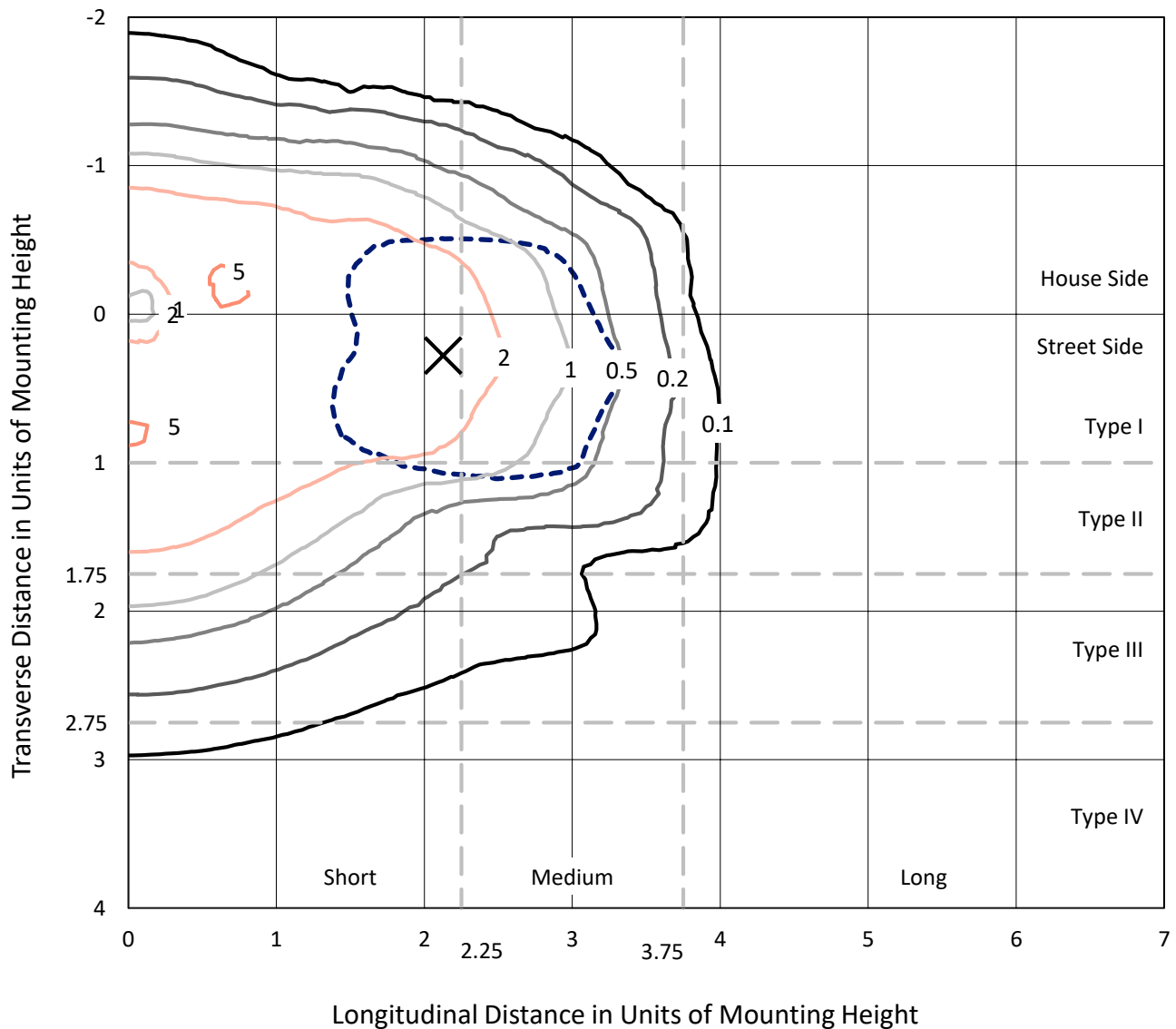


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

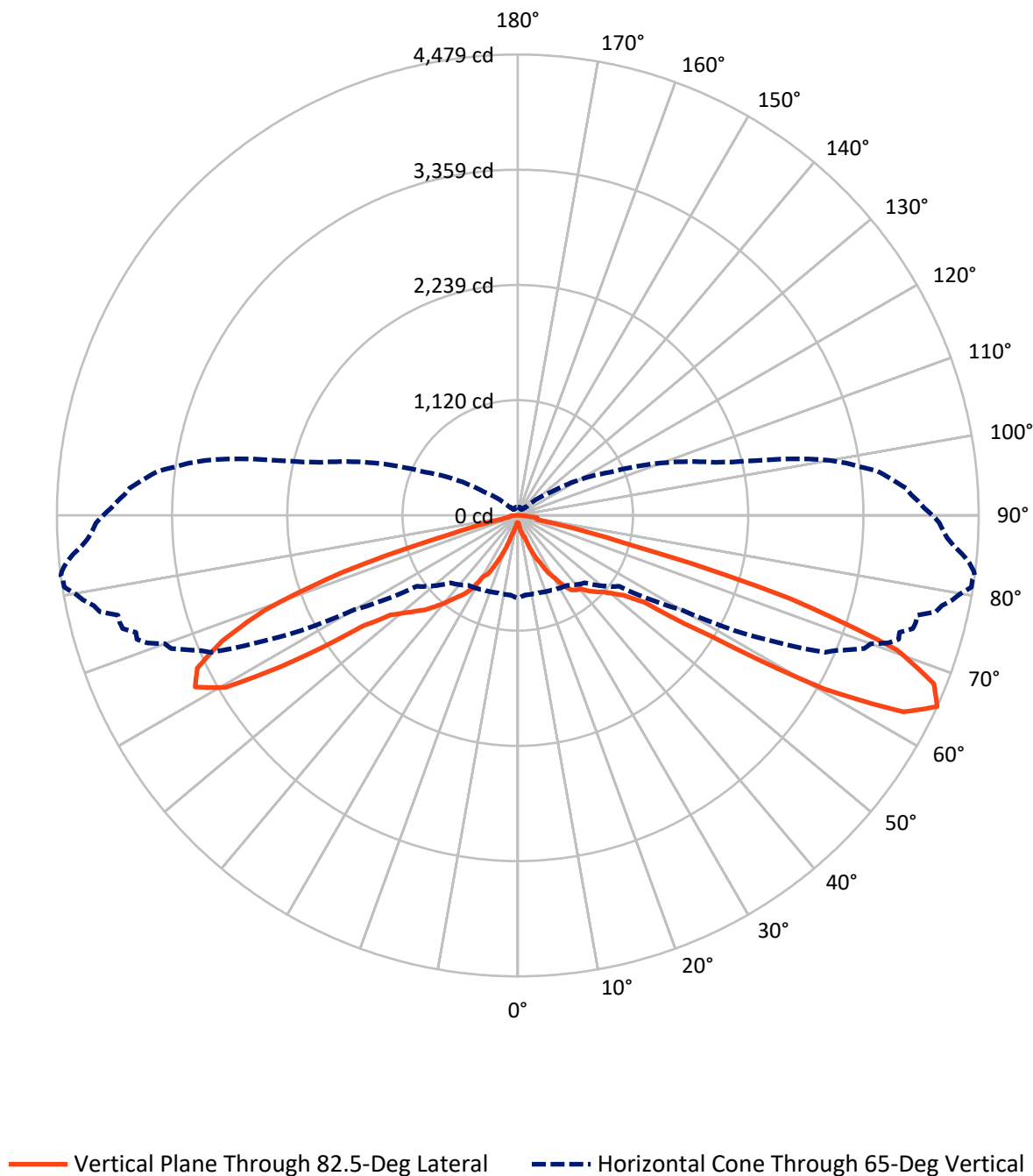


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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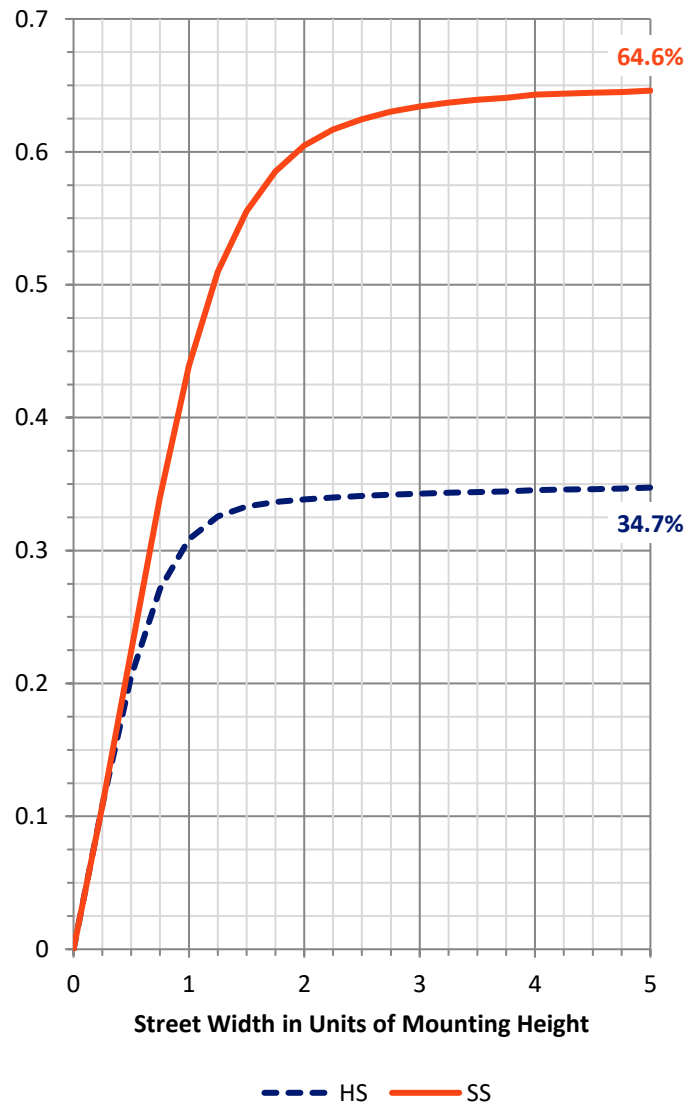
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1558.1	0.0	1558.1
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	2863.1	0.0	2863.1
	% Fixture	64.8	0.0	64.8
Total	Lumens	4421.2	0.0	4421.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.2
10°-20°	65.2	1.5
20°-30°	218.5	4.9
30°-40°	482.2	10.9
40°-50°	762.1	17.2
50°-60°	1081.2	24.5
60°-70°	1286.3	29.1
70°-80°	435.0	9.8
80°-90°	80.7	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°	4421.2	100.0
0°-180°	4421.2	100.0

Coefficient of Utilization



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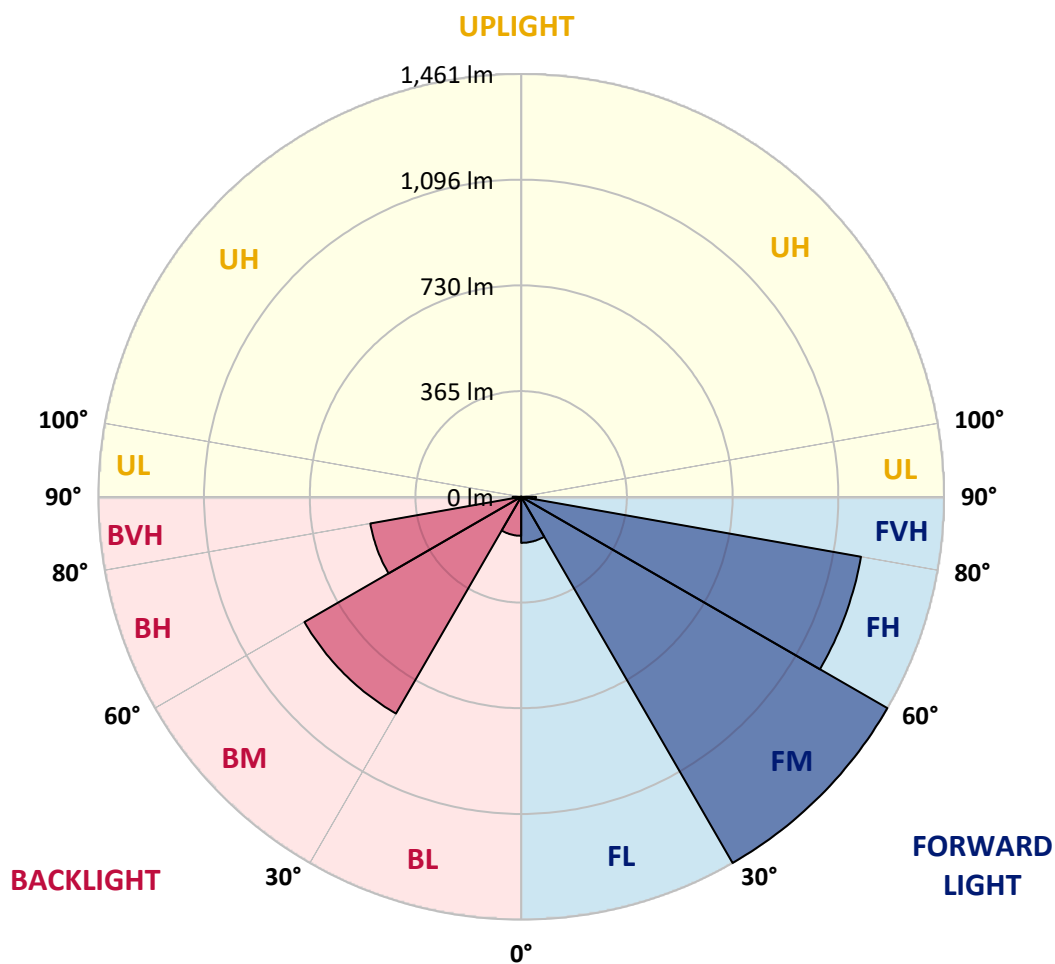
CATALOG NUMBER: UTLD-F02-LED-E-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	159.1	3.6			
FM	(30°-60°)	1460.8	33.0			
FH	(60°-80°)	1192.1	27.0			G1/1800
FVH	(80°-90°)	51.2	1.2			G1/100
BL	(0°-30°)	134.7	3.0	B1/500		
BM	(30°-60°)	864.7	19.6	B1/1000		
BH	(60°-80°)	529.2	12.0	B2/1000		G2/1000
BVH	(80°-90°)	29.5	0.7			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	100.7	100.7	100.7	105.7	118.1	118.1	117.2	118.1	116.4	114.7	112.3
5°	104.8	107.3	105.7	104.8	103.2	102.4	101.5	100.7	100.7	102.4	106.5
7.5°	160.2	161.0	160.2	161.8	156.8	113.1	105.7	104.8	107.3	108.1	106.5
10°	190.7	178.3	174.2	170.9	166.8	159.3	158.5	154.4	152.7	151.9	147.8
12.5°	243.5	243.5	241.9	231.1	220.4	214.6	219.6	208.0	206.4	201.4	186.6
15°	321.1	320.3	265.8	253.4	284.8	270.8	228.7	241.9	255.1	253.4	254.3
17.5°	343.4	343.4	339.3	326.1	307.1	288.1	309.6	270.8	269.9	270.8	274.9
20°	426.0	426.0	409.5	380.6	363.2	344.2	331.9	362.4	352.5	345.1	339.3
22.5°	429.3	429.3	417.7	440.0	409.5	391.3	424.3	430.9	439.2	440.0	430.9
25°	496.1	497.0	485.4	452.4	457.3	448.3	466.4	511.0	511.0	503.6	525.0
27.5°	566.3	567.1	495.3	509.3	492.8	525.9	574.6	596.9	580.3	586.1	587.8
30°	599.3	600.2	596.0	591.1	571.3	584.5	609.2	629.9	640.6	680.2	667.8
32.5°	739.7	740.5	714.1	653.0	664.5	689.3	700.0	705.0	717.4	724.0	724.0
35°	906.4	903.9	856.1	802.4	767.7	762.8	776.0	818.1	839.6	818.9	828.0
37.5°	1040.2	1028.6	974.9	940.3	903.1	893.2	903.9	898.2	899.8	873.4	873.4
40°	1132.6	1133.4	1103.7	1074.0	1017.9	1035.2	1005.5	997.2	974.9	970.0	948.5
42.5°	1230.0	1234.2	1196.2	1159.0	1106.2	1153.3	1126.8	1114.5	1064.9	1079.0	1051.7
45°	1331.6	1334.9	1291.1	1239.9	1193.7	1265.5	1259.8	1239.1	1213.5	1216.0	1187.1
47.5°	1406.7	1413.3	1363.8	1303.5	1272.1	1357.2	1386.1	1384.4	1381.1	1358.0	1346.4
50°	1450.4	1454.6	1400.1	1355.5	1316.7	1425.7	1516.5	1531.3	1557.8	1512.4	1542.9
52.5°	1464.5	1467.0	1412.5	1363.8	1326.6	1463.7	1615.6	1697.3	1716.3	1708.0	1755.9
55°	1425.7	1429.0	1388.5	1344.8	1311.8	1469.4	1694.8	1854.1	1865.7	1889.6	1985.4
57.5°	1362.1	1360.5	1352.2	1306.0	1302.7	1464.5	1760.8	2053.9	2060.5	2176.9	2348.6
60°	1280.4	1283.7	1279.6	1255.6	1270.5	1411.6	1746.8	2166.2	2243.0	2422.1	2693.7
62.5°	1152.4	1158.2	1140.9	1107.9	1119.4	1229.2	1581.7	2114.2	2293.3	2526.1	2856.3
65°	805.7	776.8	778.5	798.3	832.1	926.2	1202.0	1831.0	2113.3	2384.9	2820.0
67.5°	463.9	472.2	471.4	491.2	532.5	606.8	768.6	1225.9	1481.0	1796.3	2342.8
70°	356.6	356.6	368.2	394.6	420.2	506.0	552.3	663.7	780.9	993.1	1500.0
72.5°	268.3	267.5	278.2	303.0	354.2	463.1	646.4	459.0	474.7	516.0	811.5
75°	156.0	151.9	156.0	173.4	216.3	345.9	653.8	511.0	487.9	458.2	510.2
77.5°	80.9	80.9	85.0	89.2	110.6	177.5	471.4	624.1	604.3	553.9	520.1
80°	46.2	47.9	51.2	51.2	53.7	73.5	204.7	610.9	674.5	690.1	676.9
82.5°	23.1	26.4	36.3	36.3	35.5	37.1	76.8	358.3	487.9	605.1	815.6
85°	13.2	14.0	23.9	26.4	25.6	22.3	35.5	160.2	214.6	312.0	466.4
87.5°	5.0	7.4	11.6	13.2	14.9	11.6	20.6	45.4	61.1	84.2	103.2
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	112.3	108.1	109.8	105.7	98.2	94.9	94.1	93.3	92.5	87.5	87.5
5°	109.8	110.6	113.1	113.9	113.9	114.7	116.4	115.6	116.4	114.7	113.9
7.5°	104.8	102.4	99.9	98.2	98.2	98.2	98.2	99.1	102.4	107.3	109.8
10°	146.9	146.9	147.8	146.1	148.6	147.8	147.8	146.9	146.9	147.8	147.8
12.5°	163.5	158.5	157.7	156.0	156.8	156.0	156.8	161.0	160.2	161.0	159.3
15°	259.2	258.4	257.6	253.4	240.2	228.7	226.2	224.5	215.5	212.2	210.5
17.5°	274.1	269.9	274.1	272.4	268.3	264.2	260.9	254.3	235.3	235.3	232.8
20°	345.1	355.0	358.3	376.4	374.0	380.6	380.6	378.1	378.9	376.4	366.5
22.5°	419.4	409.5	403.7	412.8	414.4	410.3	419.4	417.7	438.4	428.4	456.5
25°	527.5	549.0	562.2	549.8	544.0	546.5	553.9	544.8	549.8	546.5	548.1
27.5°	588.6	599.3	591.9	591.1	594.4	596.9	586.1	586.1	585.3	605.9	625.7
30°	685.2	676.1	676.1	681.1	688.5	688.5	679.4	676.9	686.0	677.8	687.7
32.5°	721.5	716.6	733.9	790.9	793.3	781.8	782.6	793.3	794.2	805.7	807.4
35°	818.1	832.1	842.0	844.5	834.6	833.8	844.5	850.3	861.8	862.7	872.6
37.5°	883.3	889.1	889.9	886.6	871.8	881.7	887.4	894.9	894.9	903.1	899.0
40°	956.0	958.4	957.6	931.2	927.1	938.6	941.9	939.4	938.6	940.3	937.0
42.5°	1050.9	1045.9	1021.2	1001.4	1005.5	1005.5	1000.5	989.0	994.8	982.4	976.6
45°	1174.7	1162.3	1122.7	1105.4	1106.2	1090.5	1071.5	1069.1	1053.4	1038.5	1052.5
47.5°	1342.3	1303.5	1264.7	1249.0	1232.5	1207.7	1175.5	1163.2	1139.2	1126.0	1127.7
50°	1542.9	1485.1	1459.5	1462.8	1429.8	1383.6	1357.2	1319.2	1275.4	1271.3	1253.1
52.5°	1740.2	1708.8	1716.3	1713.8	1673.3	1630.4	1607.3	1577.6	1529.7	1508.2	1457.1
55°	1944.1	1959.8	2003.5	2001.9	1982.1	1976.3	1964.7	1939.2	1946.6	1892.1	1828.5
57.5°	2333.8	2412.2	2517.0	2557.5	2553.3	2569.9	2610.3	2654.1	2687.9	2645.0	2651.6
60°	2800.2	2965.3	3121.3	3190.7	3307.9	3362.4	3453.2	3571.2	3651.3	3591.9	3694.2
62.5°	3037.9	3274.9	3393.7	3474.6	3629.8	3707.4	3826.3	3960.0	3993.1	4038.5	4152.4
65°	3062.7	3270.7	3356.6	3482.9	3606.7	3648.8	3806.5	3892.4	3880.0	3993.1	4005.4
67.5°	2691.2	2868.7	3004.9	3190.7	3284.8	3382.2	3512.6	3529.1	3581.1	3672.8	3608.4
70°	1911.9	2199.2	2383.3	2597.9	2746.5	2903.4	3027.2	3037.9	3122.1	3151.0	3118.0
72.5°	1034.4	1315.1	1536.3	1800.5	1974.7	2153.8	2266.1	2331.3	2364.3	2320.6	2403.1
75°	582.8	697.6	840.4	977.4	1115.3	1183.8	1235.8	1260.6	1206.1	1189.6	1187.9
77.5°	492.8	487.1	498.6	473.9	480.5	463.1	466.4	424.3	395.4	416.1	414.4
80°	605.1	550.6	487.1	401.2	343.4	292.2	263.3	255.1	265.8	293.9	313.7
82.5°	804.1	794.2	689.3	579.5	487.1	389.6	315.4	272.4	277.4	296.4	332.7
85°	552.3	576.2	511.0	478.8	393.8	330.2	272.4	218.8	200.6	191.5	182.4
87.5°	111.4	97.4	87.5	82.6	71.8	63.6	57.0	52.0	52.8	49.5	48.7
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°	82.5°	83°	84°	85°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	82.6	78.4	79.3	76.8	75.1	74.3	76.8	76.8	75.9	75.1	71.8
5°	112.3	111.4	108.1	104.0	99.1	90.0	85.0	80.9	78.4	77.6	75.9
7.5°	111.4	110.6	109.8	109.8	109.8	109.0	109.0	106.5	104.0	96.6	80.1
10°	147.8	151.9	161.0	165.9	165.9	165.1	160.2	159.3	158.5	157.7	151.1
12.5°	159.3	155.2	155.2	156.0	161.8	167.6	170.9	169.2	169.2	169.2	166.8
15°	209.7	209.7	208.9	208.9	208.9	210.5	209.7	214.6	217.9	216.3	217.1
17.5°	232.8	236.1	234.4	234.4	229.5	220.4	237.8	217.1	216.3	243.5	266.6
20°	352.5	351.7	346.7	345.1	341.8	340.1	342.6	343.4	344.2	343.4	348.4
22.5°	454.0	440.0	429.3	426.8	437.5	441.7	436.7	437.5	434.2	435.1	427.6
25°	552.3	539.9	552.3	539.1	530.0	520.9	520.1	515.1	521.7	525.0	534.9
27.5°	639.8	646.4	645.6	653.0	641.4	631.5	632.4	628.2	635.7	643.9	634.8
30°	689.3	695.1	691.8	682.7	686.8	689.3	705.0	702.5	699.2	681.1	672.8
32.5°	814.0	811.5	804.9	810.7	829.7	839.6	814.8	809.0	809.8	820.6	814.0
35°	867.6	867.6	869.3	894.9	901.5	883.3	882.5	887.4	898.2	878.4	866.8
37.5°	894.9	900.6	922.9	929.5	909.7	909.7	924.6	920.5	911.4	908.9	919.6
40°	935.3	959.3	966.7	946.9	947.7	961.7	946.9	936.1	943.6	968.3	969.2
42.5°	998.9	1008.8	988.2	984.9	1004.7	987.3	987.3	1002.2	1011.3	1009.6	1018.7
45°	1060.8	1042.6	1030.3	1048.4	1036.0	1022.0	1055.0	1058.3	1058.3	1067.4	1080.6
47.5°	1119.4	1089.7	1102.1	1094.6	1067.4	1105.4	1112.8	1112.0	1116.9	1132.6	1128.5
50°	1206.1	1185.5	1181.3	1143.4	1166.5	1181.3	1180.5	1190.4	1199.5	1194.5	1230.9
52.5°	1383.6	1376.2	1306.8	1283.7	1295.2	1282.0	1295.2	1288.6	1287.8	1318.4	1320.8
55°	1768.3	1726.2	1604.8	1599.9	1537.1	1485.1	1502.5	1485.9	1493.4	1513.2	1527.2
57.5°	2649.1	2524.5	2490.6	2473.3	2350.3	2209.9	2195.1	2214.9	2212.4	2181.0	2233.0
60°	3695.9	3608.4	3701.7	3634.0	3538.2	3492.0	3424.3	3421.8	3392.9	3369.0	3314.5
62.5°	4078.9	4189.5	4277.0	4280.3	4301.8	4277.9	4244.0	4203.6	4209.4	4142.5	4121.0
65°	4004.6	4168.1	4213.5	4302.6	4369.5	4462.0	4463.6	4478.5	4465.3	4412.4	4338.1
67.5°	3757.0	3835.4	3885.7	3991.4	4124.3	4246.5	4346.4	4361.2	4370.3	4339.8	4230.0
70°	3262.5	3295.5	3366.5	3473.0	3634.0	3755.3	3891.5	3905.6	3934.5	3902.3	3825.5
72.5°	2415.5	2405.6	2442.7	2516.2	2592.1	2676.4	2763.0	2768.8	2832.4	2768.8	2680.5
75°	1122.7	1093.8	1069.9	1065.8	1074.8	1099.6	1097.1	1064.1	1055.0	979.9	926.2
77.5°	384.7	374.8	355.0	324.4	289.8	247.7	217.1	202.3	188.2	167.6	160.2
80°	339.3	361.6	359.1	335.2	294.7	246.8	201.4	179.1	160.2	128.8	116.4
82.5°	391.3	440.8	478.0	452.4	388.8	316.2	229.5	191.5	156.8	106.5	86.7
85°	187.4	184.9	203.1	172.5	163.5	119.7	90.0	75.9	69.3	57.0	52.8
87.5°	49.5	50.4	52.0	52.0	50.4	47.1	46.2	44.6	43.8	40.5	38.0
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°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	71.8	71.0	71.0	70.2	70.2	70.2	70.2	70.2	69.3	69.3	69.3
5°	76.8	76.8	75.9	73.5	71.8	71.8	71.0	71.0	70.2	70.2	70.2
7.5°	73.5	72.6	71.8	72.6	74.3	75.1	75.1	74.3	73.5	74.3	74.3
10°	128.0	118.9	116.4	115.6	113.9	113.9	113.1	111.4	109.0	108.1	108.1
12.5°	162.6	132.1	128.0	127.1	125.5	124.7	123.8	119.7	118.1	119.7	120.5
15°	216.3	204.7	180.0	180.8	181.6	180.8	180.8	179.1	176.7	174.2	174.2
17.5°	250.1	259.2	229.5	238.6	232.0	239.4	235.3	232.0	236.9	217.9	223.7
20°	345.9	345.9	332.7	312.9	315.4	318.7	322.8	322.0	317.8	310.4	307.1
22.5°	434.2	429.3	434.2	421.8	417.7	423.5	397.9	411.1	407.0	411.9	412.8
25°	539.1	540.7	523.4	508.5	496.1	497.8	507.7	505.2	492.8	497.0	509.3
27.5°	625.7	632.4	644.7	627.4	616.7	613.4	610.1	612.5	629.9	628.2	613.4
30°	681.1	672.0	669.5	677.8	691.8	681.1	695.1	673.6	667.0	687.7	686.8
32.5°	788.4	801.6	814.0	811.5	813.1	828.0	819.7	821.4	815.6	809.8	821.4
35°	880.8	881.7	873.4	885.0	881.7	885.8	896.5	897.3	900.6	899.0	899.8
37.5°	918.8	925.4	928.7	908.1	930.4	932.0	941.9	950.2	966.7	979.1	984.9
40°	979.9	975.8	968.3	990.6	970.0	983.2	1007.1	1022.8	1041.0	1065.8	1074.0
42.5°	1028.6	1028.6	1041.8	1036.0	1061.6	1056.7	1083.9	1110.3	1133.4	1139.2	1183.8
45°	1081.4	1106.2	1108.7	1121.9	1138.4	1168.9	1171.4	1192.9	1218.5	1250.7	1265.5
47.5°	1161.5	1164.0	1194.5	1211.9	1235.0	1261.4	1276.3	1283.7	1315.9	1342.3	1358.8
50°	1228.4	1270.5	1288.6	1316.7	1347.3	1360.5	1383.6	1401.7	1414.1	1431.5	1442.2
52.5°	1353.0	1381.1	1421.6	1448.8	1479.3	1501.6	1521.4	1554.5	1555.3	1553.6	1565.2
55°	1561.1	1618.9	1682.4	1703.1	1761.7	1789.7	1824.4	1844.2	1873.9	1844.2	1851.7
57.5°	2270.2	2362.7	2413.8	2482.4	2536.0	2576.5	2586.4	2610.3	2653.2	2648.3	2621.0
60°	3375.6	3386.3	3426.8	3478.8	3475.5	3522.5	3492.8	3529.1	3464.7	3457.3	3390.4
62.5°	4082.2	4060.8	4056.6	4050.9	4031.9	3997.2	3952.6	3917.1	3860.2	3777.6	3720.6
65°	4246.5	4179.6	4134.2	4098.7	4028.6	3954.3	3894.8	3828.8	3781.7	3695.9	3610.0
67.5°	4118.5	4036.8	3955.1	3848.6	3771.8	3680.2	3591.9	3534.1	3447.4	3399.5	3260.0
70°	3736.3	3589.4	3452.3	3314.5	3247.6	3124.6	3042.1	3000.0	2913.3	2860.4	2757.3
72.5°	2610.3	2491.4	2291.7	2186.8	2164.5	2075.4	2039.0	2019.2	1977.1	1929.3	1875.6
75°	881.7	841.2	790.9	689.3	717.4	677.8	652.2	689.3	675.3	676.1	649.7
77.5°	154.4	149.4	142.8	135.4	132.9	135.4	132.1	137.0	137.9	140.3	137.9
80°	110.6	104.8	100.7	97.4	94.9	95.8	93.3	94.1	93.3	94.1	93.3
82.5°	79.3	75.9	71.8	69.3	68.5	69.3	67.7	70.2	71.8	74.3	76.8
85°	49.5	48.7	46.2	45.4	45.4	44.6	45.4	48.7	52.0	56.1	58.6
87.5°	35.5	35.5	33.8	35.5	35.5	37.1	39.6	43.8	47.9	52.0	57.0
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):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	68.5	68.5	69.3	69.3
5°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	72.6	109.0
7.5°	73.5	73.5	73.5	72.6	72.6	72.6	73.5	74.3	73.5	104.0	71.0
10°	109.8	111.4	113.1	112.3	113.1	113.9	114.7	114.7	125.5	110.6	75.9
12.5°	121.4	121.4	122.2	121.4	120.5	132.1	156.0	156.0	156.8	122.2	121.4
15°	171.7	169.2	171.7	179.1	202.3	205.6	206.4	205.6	195.6	182.4	175.0
17.5°	206.4	196.5	207.2	226.2	205.6	204.7	192.3	183.3	186.6	227.8	236.1
20°	312.0	323.6	329.4	339.3	331.9	312.0	304.6	305.4	303.8	311.2	263.3
22.5°	407.8	422.7	421.0	416.9	405.3	417.7	422.7	391.3	385.5	410.3	425.1
25°	530.0	522.6	524.2	516.0	511.8	513.5	518.4	542.4	541.5	586.9	473.0
27.5°	633.2	643.1	636.5	637.3	652.2	642.3	658.8	658.8	692.6	641.4	634.0
30°	676.1	686.0	705.0	710.0	724.8	733.9	732.2	738.0	740.5	775.2	691.8
32.5°	843.7	833.8	848.6	870.9	879.2	886.6	909.7	907.3	894.0	858.5	790.0
35°	920.5	941.9	941.9	944.4	980.7	983.2	980.7	994.8	984.0	960.9	833.0
37.5°	996.4	1004.7	1031.1	1035.2	1029.4	1056.7	1057.5	1050.1	1060.8	1018.7	912.2
40°	1086.4	1097.9	1102.1	1125.2	1113.6	1110.3	1141.7	1130.1	1122.7	1071.5	936.1
42.5°	1188.8	1185.5	1192.1	1193.7	1206.1	1192.9	1192.1	1217.6	1197.8	1115.3	933.7
45°	1291.9	1277.9	1271.3	1272.1	1270.5	1277.1	1256.4	1270.5	1273.0	1138.4	912.2
47.5°	1357.2	1375.3	1358.8	1344.8	1335.7	1336.5	1329.9	1297.7	1323.3	1145.8	878.4
50°	1458.7	1457.1	1455.4	1424.0	1414.9	1397.6	1389.4	1366.2	1348.1	1121.9	841.2
52.5°	1572.6	1569.3	1573.5	1546.2	1511.5	1490.1	1465.3	1443.8	1401.7	1097.9	799.9
55°	1854.1	1846.7	1824.4	1817.0	1753.4	1698.9	1631.2	1590.0	1552.8	1096.3	752.1
57.5°	2612.8	2578.9	2521.2	2476.6	2356.9	2242.1	2136.5	2015.9	1932.6	1187.9	715.7
60°	3312.8	3269.9	3195.6	3052.0	2927.3	2725.9	2534.4	2375.9	2230.6	1284.5	674.5
62.5°	3595.2	3505.2	3395.4	3253.4	3041.2	2846.4	2584.7	2401.5	2218.2	1227.6	569.6
65°	3525.0	3373.9	3239.4	3080.0	2877.0	2633.4	2366.8	2146.4	1987.0	991.5	395.4
67.5°	3190.7	3052.0	2917.4	2730.0	2505.5	2233.9	2005.2	1777.4	1634.5	705.8	220.4
70°	2670.6	2564.9	2401.5	2219.8	2015.9	1769.1	1536.3	1338.2	1196.2	430.9	107.3
72.5°	1836.0	1746.0	1677.5	1523.1	1316.7	1093.8	962.6	808.2	723.2	220.4	71.0
75°	663.7	671.2	618.3	591.1	523.4	421.8	371.5	312.9	273.2	99.9	70.2
77.5°	154.4	151.9	160.2	164.3	152.7	139.5	125.5	115.6	108.1	78.4	74.3
80°	94.1	93.3	92.5	91.6	90.8	90.0	89.2	87.5	85.9	76.8	75.1
82.5°	78.4	79.3	79.3	79.3	80.1	80.1	80.9	80.9	80.1	76.8	75.9
85°	61.1	63.6	66.0	68.5	71.8	75.1	76.8	77.6	77.6	75.1	75.1
87.5°	61.1	64.4	68.5	73.5	78.4	82.6	85.9	87.5	87.5	75.9	74.3
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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CATALOG NUMBER: UTLD-F02-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	73.5	71.8	72.6	78.4	75.1	73.5
5°	110.6	85.9	71.8	71.0	70.2	69.3
7.5°	73.5	73.5	75.1	93.3	103.2	109.0
10°	82.6	118.1	123.8	121.4	122.2	120.5
12.5°	166.8	125.5	131.3	147.8	171.7	171.7
15°	180.8	220.4	179.1	180.8	178.3	178.3
17.5°	236.9	235.3	190.7	230.3	233.6	233.6
20°	299.7	271.6	282.3	247.7	243.5	242.7
22.5°	323.6	335.2	298.8	303.8	303.8	302.1
25°	430.9	377.3	352.5	313.7	348.4	340.9
27.5°	501.9	417.7	412.8	370.7	365.7	362.4
30°	595.2	523.4	440.8	421.8	421.0	417.7
32.5°	646.4	545.7	477.2	435.1	465.6	463.9
35°	704.2	568.8	505.2	473.9	452.4	449.1
37.5°	707.5	578.7	489.5	481.3	474.7	472.2
40°	716.6	558.9	487.9	480.5	473.9	471.4
42.5°	690.1	531.6	463.9	436.7	424.3	421.0
45°	653.8	489.5	414.4	383.9	369.0	365.7
47.5°	610.9	451.6	361.6	333.5	312.9	307.1
50°	566.3	402.0	309.6	275.7	255.9	249.3
52.5°	517.6	339.3	251.8	222.9	202.3	198.1
55°	459.0	273.2	196.5	176.7	164.3	161.0
57.5°	383.0	205.6	150.2	141.2	135.4	133.7
60°	293.9	144.5	113.1	115.6	113.1	114.7
62.5°	201.4	95.8	86.7	94.1	94.9	94.9
65°	117.2	69.3	70.2	79.3	80.1	80.9
67.5°	71.8	57.8	61.1	70.2	71.0	71.0
70°	60.3	53.7	57.0	66.0	66.9	66.9
72.5°	58.6	53.7	55.3	64.4	65.2	66.0
75°	59.4	52.8	55.3	64.4	63.6	62.7
77.5°	61.1	52.8	54.5	64.4	65.2	61.1
80°	60.3	51.2	52.0	68.5	66.0	56.1
82.5°	57.8	47.9	46.2	72.6	58.6	50.4
85°	53.7	42.9	38.0	79.3	57.8	36.3
87.5°	30.5	35.5	28.1	69.3	52.8	28.9
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)