

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: P157170

Luminaire Tested: **UTLD-E03-LED-E-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157170
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-E03-LED-E-U-T3
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8086.4 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 75.2
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



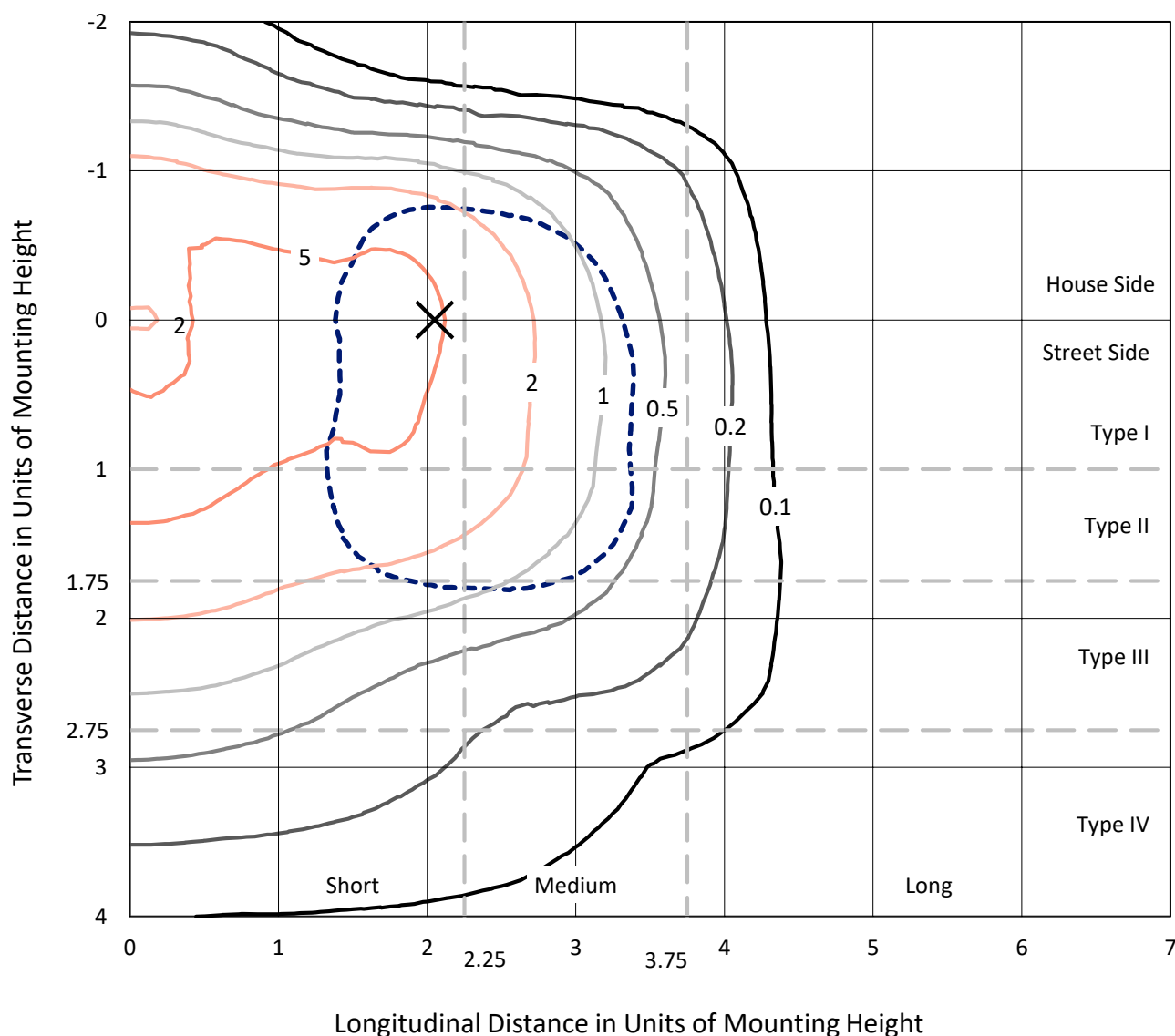
REPORT NUMBER: P157170

CATALOG NUMBER: UTLD-E03-LED-E-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

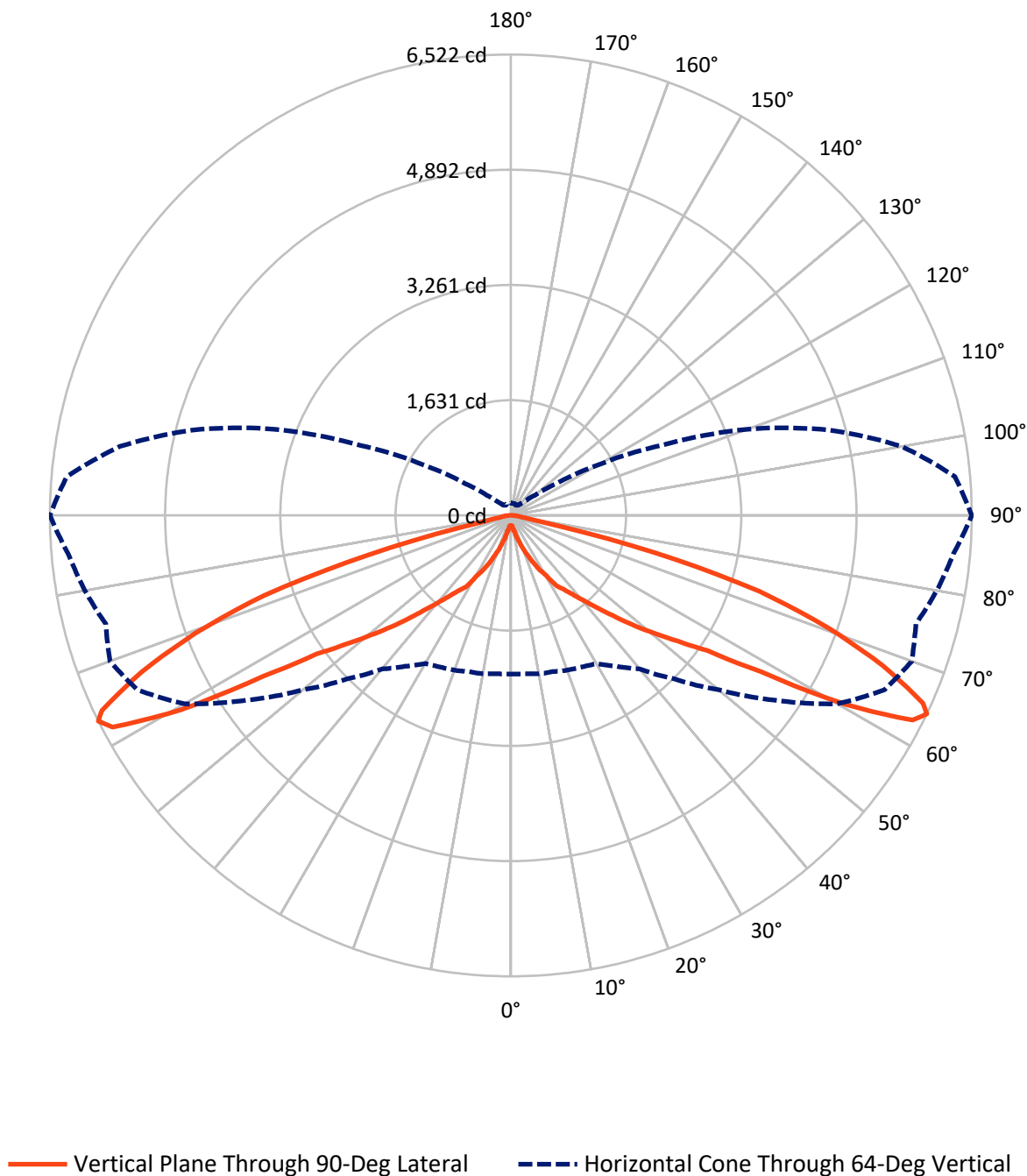


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P157170

CATALOG NUMBER: UTLD-E03-LED-E-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P157170

CATALOG NUMBER: UTLD-E03-LED-E-U-T3

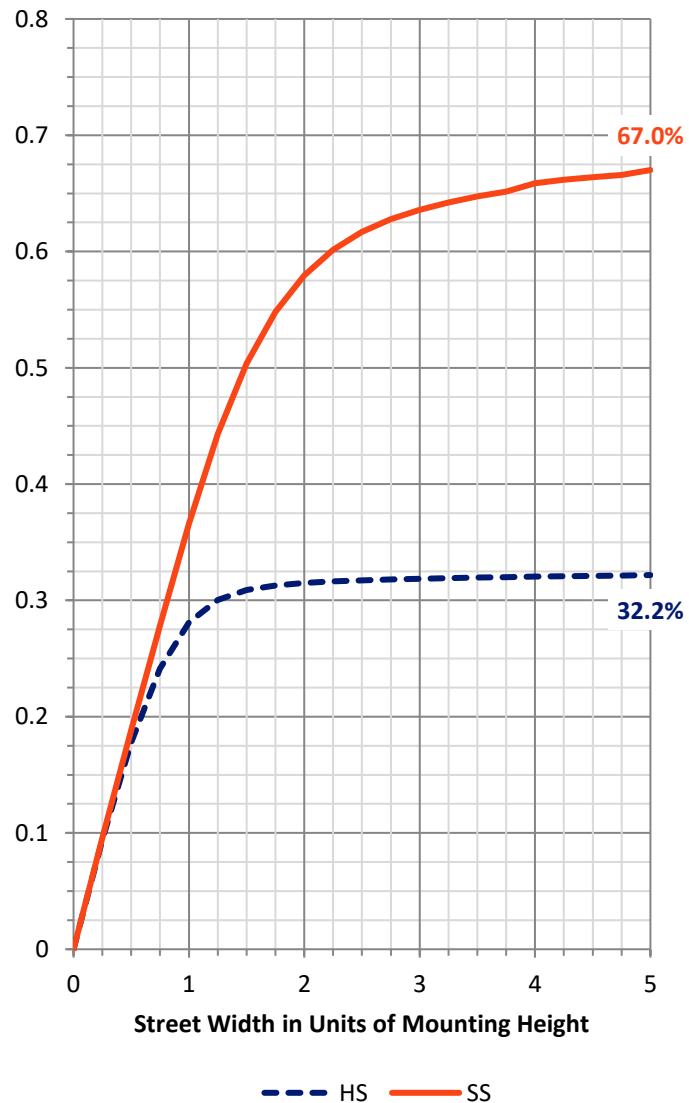
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2628.0	0.0	2628.0
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	5458.5	0.0	5458.5
	% Fixture	67.5	0.0	67.5
Total	Lumens	8086.4	0.0	8086.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.2
10°-20°	106.2	1.3
20°-30°	313.1	3.9
30°-40°	661.7	8.2
40°-50°	1160.0	14.3
50°-60°	1847.3	22.8
60°-70°	2590.6	32.0
70°-80°	1173.4	14.5
80°-90°	214.3	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°	8086.4	100.0
0°-180°	8086.4	100.0

Coefficient of Utilization



REPORT NUMBER: P157170

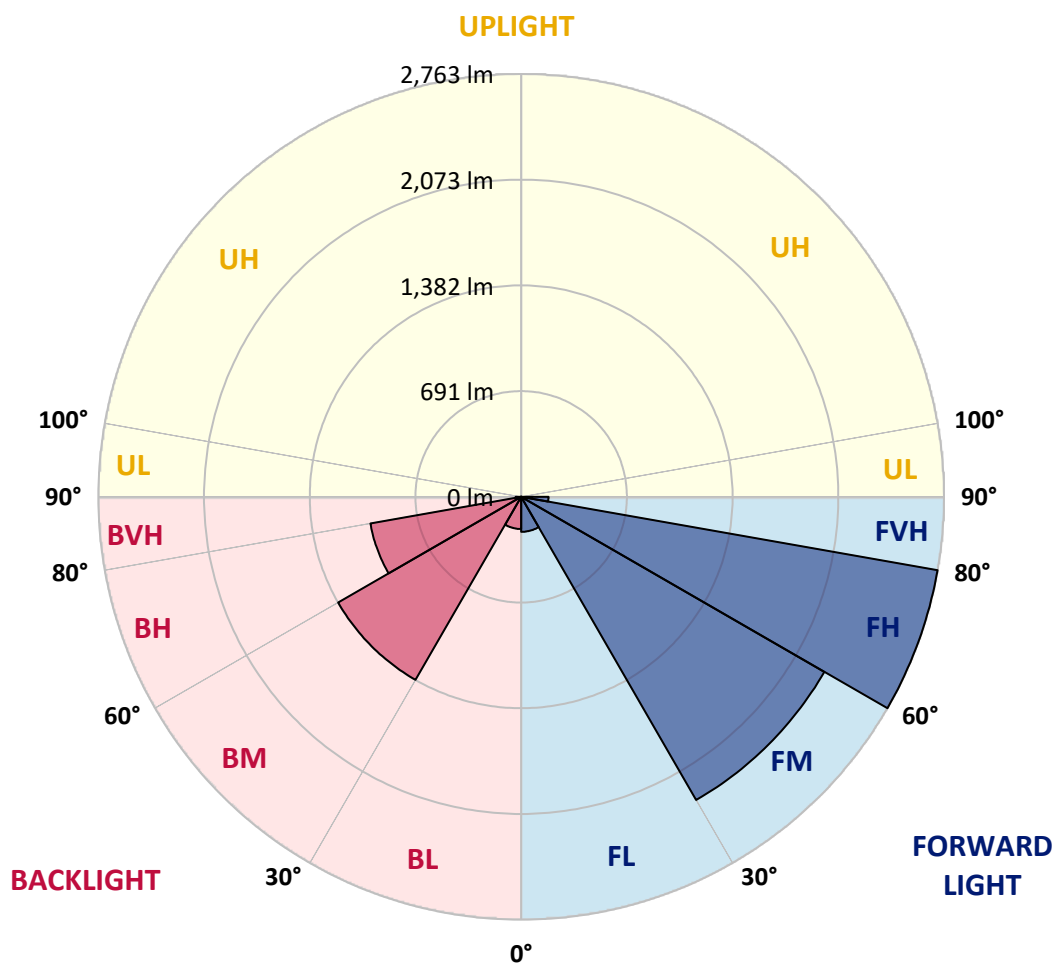
CATALOG NUMBER: UTLD-E03-LED-E-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.8	2.8			
FM	(30°-60°)	2287.8	28.3			
FH	(60°-80°)	2763.4	34.2			G2/5000
FVH	(80°-90°)	178.5	2.2			G2/225
BL	(0°-30°)	210.3	2.6	B1/500		
BM	(30°-60°)	1381.2	17.1	B2/2500		
BH	(60°-80°)	1000.6	12.4	B3/2500		G3/2500
BVH	(80°-90°)	35.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P157170

CATALOG NUMBER: UTLD-E03-LED-E-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5
2.5°	234.0	237.0	235.5	237.0	238.5	237.0	237.0	235.5	237.0	238.5	238.5
5°	190.5	192.0	192.0	190.5	192.0	192.0	192.0	192.0	192.0	192.0	192.0
7.5°	285.0	286.5	288.0	285.0	285.0	286.5	283.5	243.0	196.5	193.5	190.5
10°	285.0	286.5	286.5	283.5	285.0	286.5	286.5	285.0	276.0	274.5	274.5
12.5°	366.0	367.5	369.0	369.0	369.0	358.5	345.0	289.5	282.0	355.5	361.5
15°	370.5	370.5	370.5	364.5	364.5	358.5	363.0	429.0	424.5	373.5	367.5
17.5°	456.0	456.0	456.0	454.5	444.0	444.0	447.0	432.0	433.5	435.0	513.0
20°	555.0	558.0	517.5	474.0	457.5	510.0	511.5	502.5	552.0	492.0	517.5
22.5°	580.5	580.5	579.0	565.5	568.5	604.5	582.0	562.5	574.5	543.0	586.5
25°	690.0	690.0	681.0	669.0	651.0	634.5	652.5	649.5	622.5	619.5	691.5
27.5°	739.5	718.5	714.0	699.0	739.5	730.5	745.5	678.0	735.0	721.5	760.5
30°	849.0	847.5	832.5	846.0	846.0	811.5	784.5	816.0	828.0	802.5	891.0
32.5°	1005.0	1003.5	985.5	975.0	901.5	894.0	910.5	915.0	913.5	921.0	948.0
35°	1174.5	1173.0	1074.0	1054.5	1027.5	1021.5	1020.0	996.0	1024.5	988.5	1060.5
37.5°	1287.0	1299.0	1242.0	1228.5	1194.0	1155.0	1123.5	1138.5	1104.0	1099.5	1152.0
40°	1512.0	1516.5	1465.5	1423.5	1393.5	1305.0	1273.5	1264.5	1252.5	1237.5	1308.0
42.5°	1723.5	1717.5	1672.5	1639.5	1602.0	1516.5	1425.0	1414.5	1411.5	1398.0	1459.5
45°	1929.0	1933.5	1881.0	1866.0	1806.0	1752.0	1626.0	1627.5	1618.5	1603.5	1659.0
47.5°	2116.5	2127.0	2098.5	2052.0	2004.0	1960.5	1864.5	1858.5	1837.5	1842.0	1908.0
50°	2274.0	2293.5	2266.5	2232.0	2188.5	2158.5	2103.0	2089.5	2077.5	2089.5	2161.5
52.5°	2382.0	2398.5	2409.0	2365.5	2365.5	2326.5	2308.5	2295.0	2299.5	2335.5	2421.0
55°	2436.0	2451.0	2473.5	2443.5	2509.5	2452.5	2436.0	2455.5	2485.5	2550.0	2671.5
57.5°	2436.0	2445.0	2473.5	2479.5	2518.5	2478.0	2508.0	2550.0	2614.5	2727.0	2898.0
60°	2385.0	2392.5	2427.0	2431.5	2467.5	2458.5	2484.0	2604.0	2698.5	2884.5	3159.0
62.5°	2304.0	2308.5	2341.5	2350.5	2388.0	2406.0	2445.0	2619.0	2787.0	3111.0	3552.0
64°	2245.5	2248.5	2275.5	2289.0	2331.0	2365.5	2419.5	2607.0	2836.5	3270.0	3840.0
65°	2205.0	2205.0	2238.0	2244.0	2286.0	2331.0	2389.5	2578.5	2839.5	3330.0	3964.5
67.5°	2046.0	2038.5	2071.5	2086.5	2103.0	2139.0	2175.0	2371.5	2662.5	3235.5	3931.5
70°	1777.5	1759.5	1776.0	1764.0	1755.0	1738.5	1720.5	1857.0	2064.0	2640.0	3330.0
72.5°	1246.5	1246.5	1233.0	1261.5	1282.5	1303.5	1231.5	1248.0	1360.5	1732.5	2347.5
75°	837.0	846.0	870.0	939.0	1006.5	1068.0	1092.0	1093.5	999.0	1027.5	1425.0
77.5°	496.5	516.0	534.0	615.0	702.0	831.0	945.0	1056.0	1081.5	1066.5	1032.0
80°	223.5	229.5	255.0	286.5	340.5	429.0	595.5	772.5	973.5	1074.0	1053.0
82.5°	76.5	84.0	100.5	120.0	142.5	181.5	270.0	364.5	556.5	789.0	981.0
85°	25.5	28.5	39.0	54.0	60.0	69.0	91.5	135.0	220.5	310.5	591.0
87.5°	10.5	13.5	18.0	27.0	30.0	30.0	31.5	40.5	40.5	40.5	162.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P157170

CATALOG NUMBER: UTLD-E03-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5
2.5°	196.5	181.5	160.5	156.0	150.0	148.5	147.0	147.0	145.5	147.0	147.0
5°	210.0	222.0	231.0	225.0	166.5	159.0	147.0	145.5	147.0	147.0	154.5
7.5°	190.5	190.5	181.5	208.5	210.0	156.0	144.0	147.0	148.5	150.0	174.0
10°	205.5	261.0	259.5	264.0	301.5	295.5	220.5	216.0	217.5	228.0	301.5
12.5°	366.0	339.0	267.0	279.0	276.0	306.0	235.5	226.5	232.5	289.5	282.0
15°	367.5	421.5	430.5	379.5	360.0	381.0	343.5	327.0	316.5	376.5	324.0
17.5°	436.5	432.0	441.0	406.5	384.0	378.0	414.0	405.0	388.5	361.5	336.0
20°	483.0	516.0	526.5	594.0	553.5	537.0	549.0	517.5	499.5	507.0	505.5
22.5°	592.5	639.0	604.5	618.0	630.0	672.0	657.0	609.0	621.0	624.0	604.5
25°	627.0	703.5	753.0	778.5	787.5	760.5	798.0	742.5	760.5	735.0	753.0
27.5°	777.0	781.5	820.5	811.5	873.0	904.5	903.0	873.0	880.5	895.5	915.0
30°	820.5	837.0	915.0	942.0	976.5	1000.5	972.0	984.0	961.5	993.0	997.5
32.5°	957.0	942.0	970.5	1084.5	1164.0	1204.5	1164.0	1188.0	1162.5	1173.0	1120.5
35°	1038.0	1108.5	1128.0	1182.0	1242.0	1299.0	1287.0	1282.5	1279.5	1300.5	1191.0
37.5°	1204.5	1219.5	1230.0	1299.0	1353.0	1428.0	1431.0	1414.5	1443.0	1383.0	1288.5
40°	1314.0	1338.0	1351.5	1398.0	1507.5	1567.5	1612.5	1579.5	1620.0	1500.0	1432.5
42.5°	1477.5	1467.0	1491.0	1563.0	1698.0	1734.0	1797.0	1776.0	1837.5	1708.5	1575.0
45°	1692.0	1683.0	1687.5	1734.0	1917.0	1942.5	2005.5	2022.0	2052.0	1891.5	1755.0
47.5°	1933.5	1938.0	1938.0	1984.5	2134.5	2185.5	2257.5	2307.0	2296.5	2086.5	1950.0
50°	2205.0	2226.0	2194.5	2259.0	2371.5	2463.0	2503.5	2610.0	2571.0	2358.0	2206.5
52.5°	2505.0	2539.5	2511.0	2565.0	2671.5	2787.0	2854.5	2955.0	2887.5	2709.0	2442.0
55°	2802.0	2862.0	2895.0	2953.5	3090.0	3199.5	3229.5	3372.0	3277.5	3102.0	2700.0
57.5°	3114.0	3241.5	3360.0	3439.5	3669.0	3796.5	3861.0	4170.0	4054.5	3868.5	3247.5
60°	3517.5	3904.5	4227.0	4405.5	4708.5	4839.0	5097.0	5424.0	5341.5	5067.0	4228.5
62.5°	4179.0	4867.5	5359.5	5589.0	5661.0	5830.5	6072.0	6381.0	6253.5	5620.5	4744.5
64°	4557.0	5334.0	5833.5	6036.0	5934.0	6120.0	6285.0	6522.0	6307.5	5616.0	4665.0
65°	4717.5	5508.0	5986.5	6178.5	5973.0	6126.0	6262.5	6411.0	6142.5	5469.0	4470.0
67.5°	4758.0	5520.0	5947.5	6061.5	5721.0	5676.0	5698.5	5683.5	5323.5	4708.5	3817.5
70°	4149.0	4879.5	5478.0	5623.5	5167.5	4926.0	4914.0	4770.0	4404.0	3919.5	3144.0
72.5°	3204.0	3841.5	4434.0	4630.5	4200.0	4009.5	3964.5	3681.0	3376.5	2928.0	2368.5
75°	2170.5	2686.5	2859.0	2871.0	2526.0	2424.0	2358.0	2101.5	1837.5	1645.5	1389.0
77.5°	1275.0	1488.0	1330.5	1171.5	918.0	651.0	484.5	403.5	441.0	439.5	414.0
80°	1078.5	1012.5	819.0	634.5	456.0	258.0	187.5	159.0	162.0	165.0	162.0
82.5°	1159.5	1234.5	1047.0	744.0	558.0	328.5	159.0	114.0	130.5	144.0	138.0
85°	982.5	1204.5	1122.0	804.0	598.5	345.0	112.5	75.0	96.0	118.5	126.0
87.5°	381.0	556.5	451.5	310.5	208.5	115.5	66.0	54.0	67.5	94.5	103.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P157170

CATALOG NUMBER: UTLD-E03-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5
2.5°	148.5	153.0	160.5	160.5	156.0	160.5	181.5	207.0	222.0	234.0	247.5
5°	154.5	202.5	235.5	240.0	234.0	169.5	157.5	157.5	163.5	169.5	156.0
7.5°	216.0	205.5	144.0	153.0	154.5	156.0	154.5	159.0	160.5	213.0	243.0
10°	246.0	223.5	217.5	181.5	169.5	237.0	237.0	238.5	247.5	249.0	247.5
12.5°	240.0	229.5	231.0	307.5	331.5	316.5	256.5	237.0	247.5	283.5	318.0
15°	321.0	342.0	363.0	318.0	333.0	322.5	379.5	394.5	325.5	321.0	331.5
17.5°	342.0	412.5	415.5	397.5	448.5	400.5	390.0	394.5	388.5	360.0	406.5
20°	564.0	525.0	489.0	448.5	486.0	471.0	462.0	466.5	462.0	463.5	409.5
22.5°	598.5	582.0	613.5	597.0	562.5	525.0	540.0	531.0	481.5	534.0	493.5
25°	778.5	766.5	699.0	622.5	675.0	597.0	561.0	597.0	588.0	547.5	547.5
27.5°	819.0	816.0	804.0	817.5	718.5	676.5	720.0	616.5	622.5	636.0	633.0
30°	948.0	946.5	846.0	858.0	852.0	778.5	750.0	760.5	690.0	678.0	705.0
32.5°	1086.0	996.0	969.0	978.0	907.5	859.5	844.5	786.0	759.0	745.5	702.0
35°	1146.0	1143.0	1119.0	1033.5	1006.5	916.5	903.0	835.5	810.0	801.0	778.5
37.5°	1225.5	1222.5	1197.0	1152.0	1087.5	981.0	934.5	889.5	832.5	796.5	825.0
40°	1332.0	1309.5	1284.0	1210.5	1122.0	1026.0	960.0	882.0	846.0	811.5	852.0
42.5°	1521.0	1420.5	1357.5	1264.5	1146.0	1030.5	957.0	882.0	813.0	802.5	808.5
45°	1687.5	1527.0	1419.0	1299.0	1156.5	1021.5	928.5	843.0	795.0	754.5	753.0
47.5°	1833.0	1648.5	1476.0	1326.0	1150.5	997.5	886.5	795.0	735.0	696.0	678.0
50°	1969.5	1776.0	1534.5	1335.0	1125.0	951.0	826.5	729.0	654.0	610.5	606.0
52.5°	2106.0	1866.0	1584.0	1321.5	1075.5	880.5	739.5	636.0	555.0	519.0	511.5
55°	2299.5	1917.0	1609.5	1273.5	997.5	784.5	636.0	526.5	445.5	427.5	417.0
57.5°	2706.0	2083.5	1635.0	1198.5	882.0	660.0	514.5	420.0	360.0	342.0	333.0
60°	3360.0	2401.5	1693.5	1084.5	724.5	520.5	393.0	315.0	274.5	264.0	259.5
62.5°	3667.5	2485.5	1603.5	912.0	555.0	370.5	276.0	222.0	201.0	198.0	201.0
64°	3570.0	2343.0	1429.5	778.5	442.5	286.5	213.0	177.0	165.0	163.5	169.5
65°	3397.5	2181.0	1297.5	687.0	367.5	237.0	178.5	153.0	144.0	147.0	151.5
67.5°	2806.5	1686.0	879.0	411.0	213.0	145.5	121.5	109.5	111.0	114.0	120.0
70°	2191.5	1129.5	478.5	213.0	127.5	99.0	91.5	87.0	90.0	94.5	100.5
72.5°	1503.0	631.5	228.0	121.5	94.5	79.5	78.0	76.5	79.5	84.0	90.0
75°	787.5	264.0	129.0	96.0	82.5	72.0	73.5	72.0	75.0	79.5	84.0
77.5°	249.0	142.5	108.0	88.5	78.0	67.5	69.0	70.5	73.5	76.5	79.5
80°	135.0	118.5	97.5	82.5	73.5	63.0	66.0	67.5	72.0	73.5	73.5
82.5°	123.0	103.5	85.5	75.0	70.5	61.5	67.5	67.5	67.5	67.5	67.5
85°	108.0	84.0	70.5	66.0	66.0	58.5	63.0	63.0	60.0	60.0	57.0
87.5°	84.0	61.5	60.0	66.0	61.5	42.0	54.0	51.0	46.5	46.5	45.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P157170

CATALOG NUMBER: UTLD-E03-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	148.5	148.5	148.5	148.5
2.5°	246.0	247.5	241.5	241.5
5°	154.5	156.0	154.5	154.5
7.5°	252.0	249.0	258.0	249.0
10°	253.5	246.0	244.5	246.0
12.5°	330.0	330.0	331.5	331.5
15°	330.0	328.5	331.5	330.0
17.5°	414.0	417.0	418.5	417.0
20°	418.5	420.0	432.0	423.0
22.5°	496.5	505.5	505.5	504.0
25°	517.5	583.5	597.0	595.5
27.5°	594.0	601.5	603.0	601.5
30°	676.5	679.5	687.0	684.0
32.5°	712.5	760.5	769.5	766.5
35°	772.5	759.0	790.5	822.0
37.5°	808.5	804.0	811.5	810.0
40°	841.5	849.0	858.0	850.5
42.5°	810.0	805.5	810.0	807.0
45°	745.5	747.0	744.0	741.0
47.5°	664.5	664.5	661.5	661.5
50°	579.0	582.0	570.0	571.5
52.5°	489.0	492.0	483.0	474.0
55°	405.0	406.5	394.5	391.5
57.5°	327.0	331.5	321.0	316.5
60°	259.5	261.0	258.0	258.0
62.5°	205.5	202.5	199.5	201.0
64°	174.0	175.5	171.0	174.0
65°	156.0	159.0	156.0	159.0
67.5°	124.5	129.0	127.5	129.0
70°	106.5	108.0	106.5	106.5
72.5°	94.5	96.0	93.0	91.5
75°	88.5	87.0	85.5	84.0
77.5°	81.0	81.0	78.0	76.5
80°	72.0	70.5	67.5	64.5
82.5°	66.0	63.0	55.5	51.0
85°	55.5	51.0	42.0	33.0
87.5°	45.0	40.5	25.5	13.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)