

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: P179358

Luminaire Tested: **UTLD-E02-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179358  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UTLD-E02-LED-E-U-T3-HSS-8030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2406.8 lumens  
Efficiency: N/A  
Efficacy: 46.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

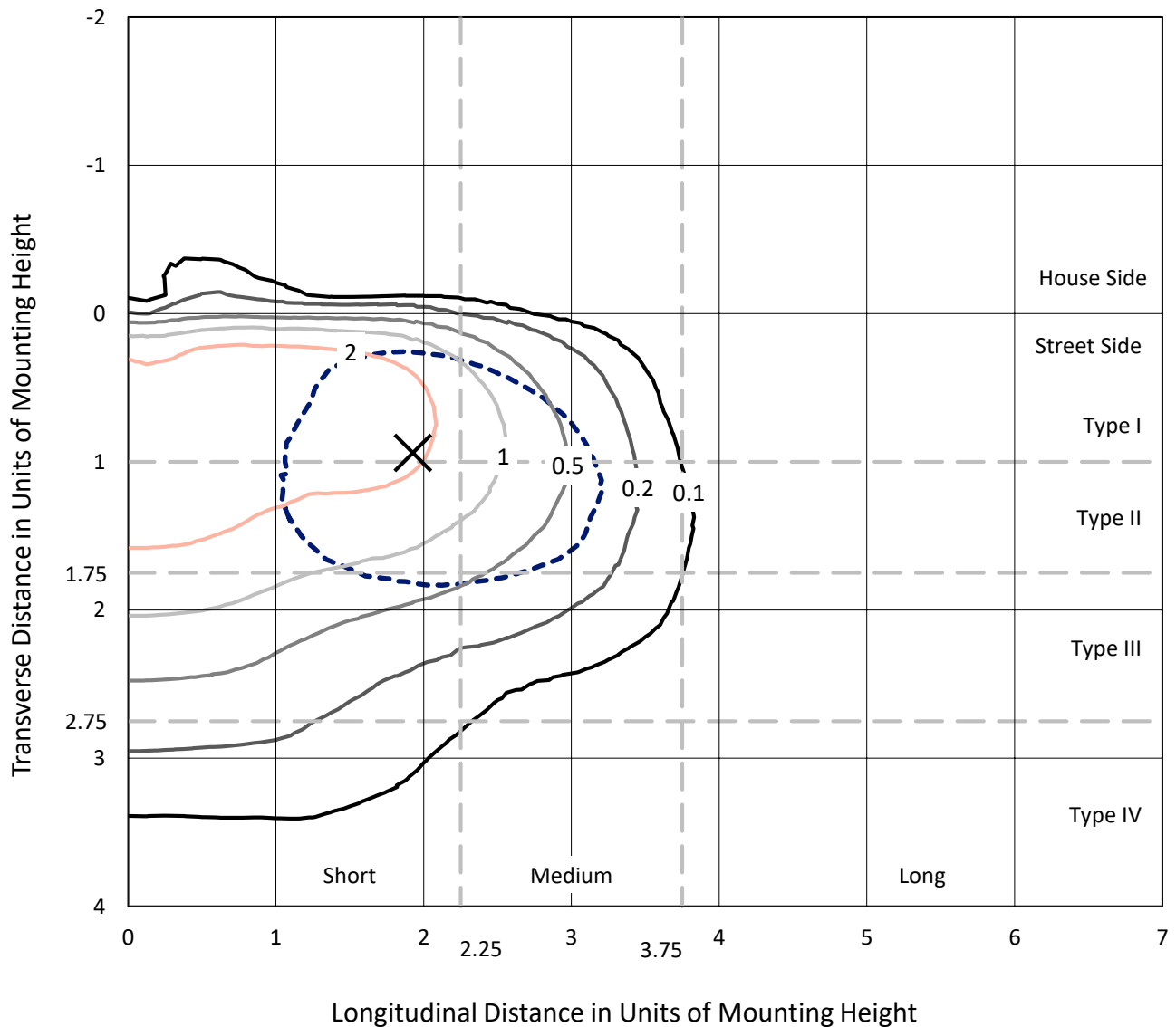
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P179358  
 CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

### Iso-Footcandle Lines of Horizontal Illumination

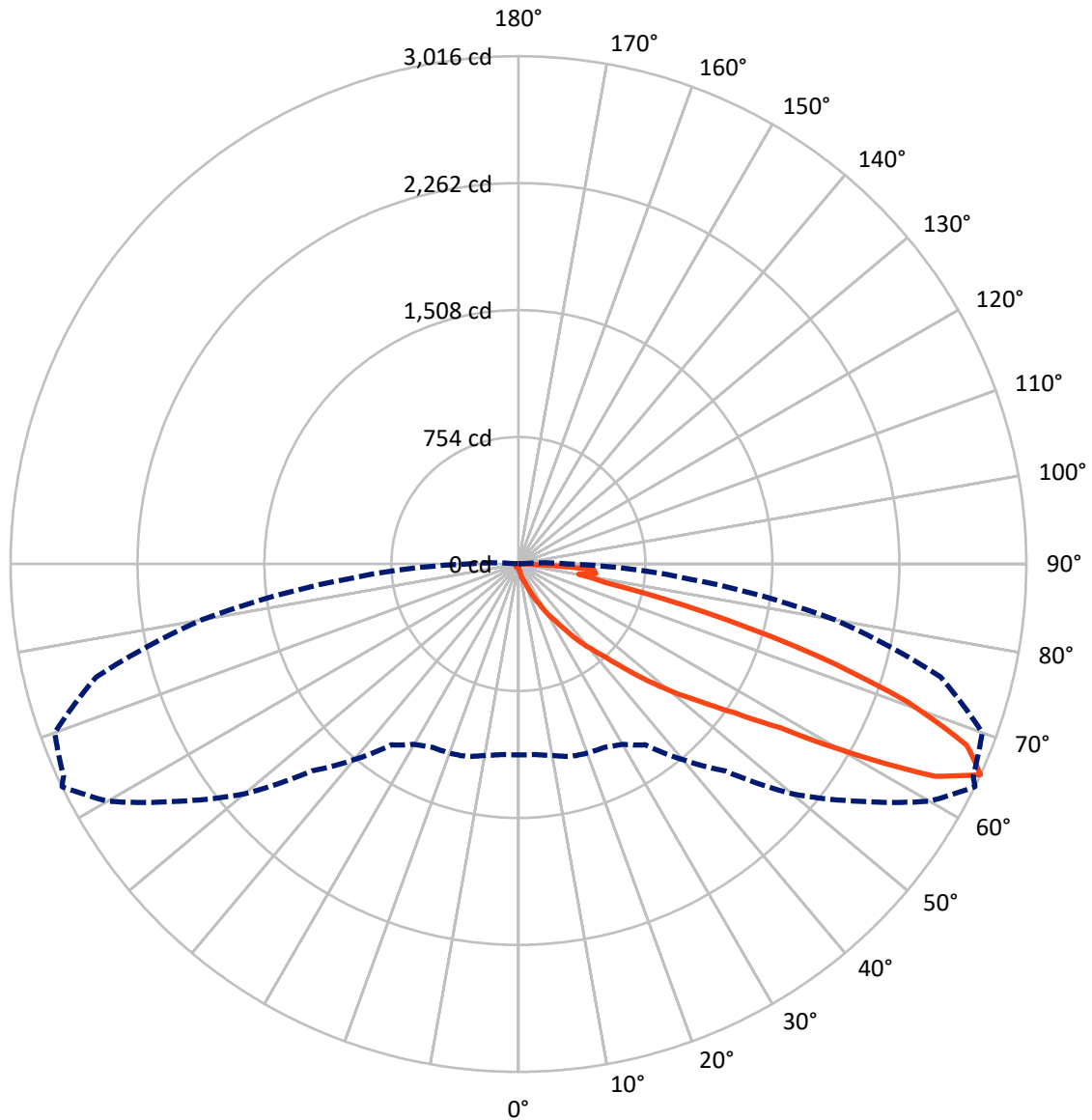
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P179358  
CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P179358

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

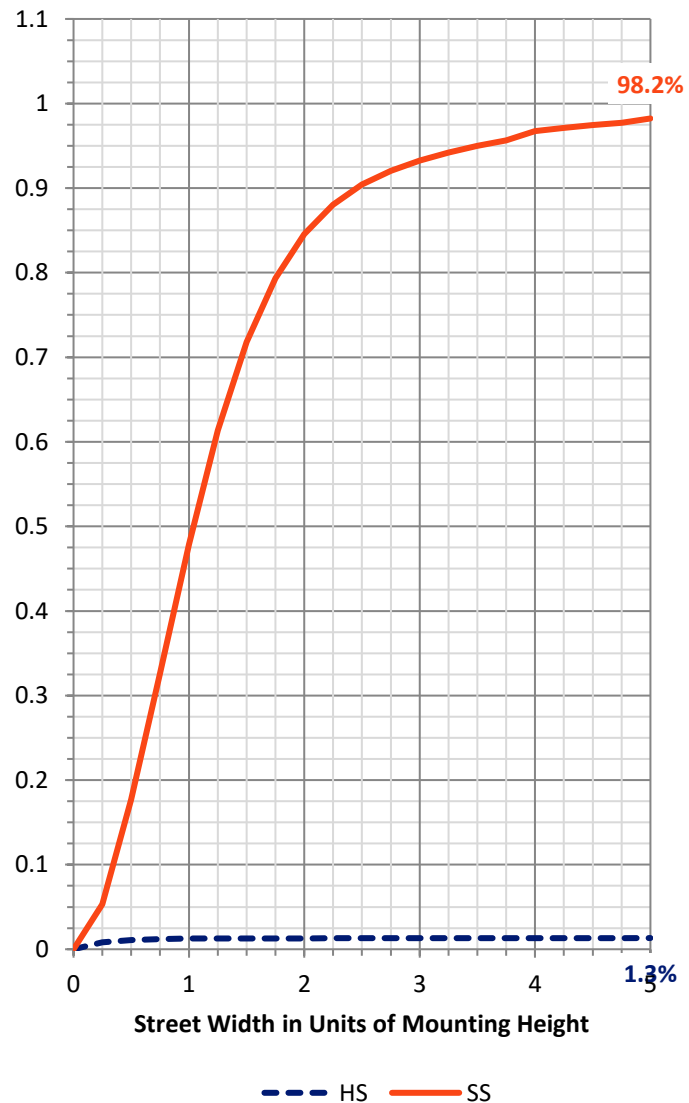
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	32.7	0.0	32.7
	% Fixture	1.4	0.0	1.4
<b>Street Side</b>	Lumens	2374.1	0.0	2374.1
	% Fixture	98.6	0.0	98.6
<b>Total</b>	Lumens	2406.8	0.0	2406.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	20.8	0.9
20°-30°	65.3	2.7
30°-40°	158.4	6.6
40°-50°	335.8	14.0
50°-60°	604.8	25.1
60°-70°	809.8	33.6
70°-80°	350.0	14.5
80°-90°	58.7	2.4
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°	2406.8	100.0
0°-180°	2406.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P179358

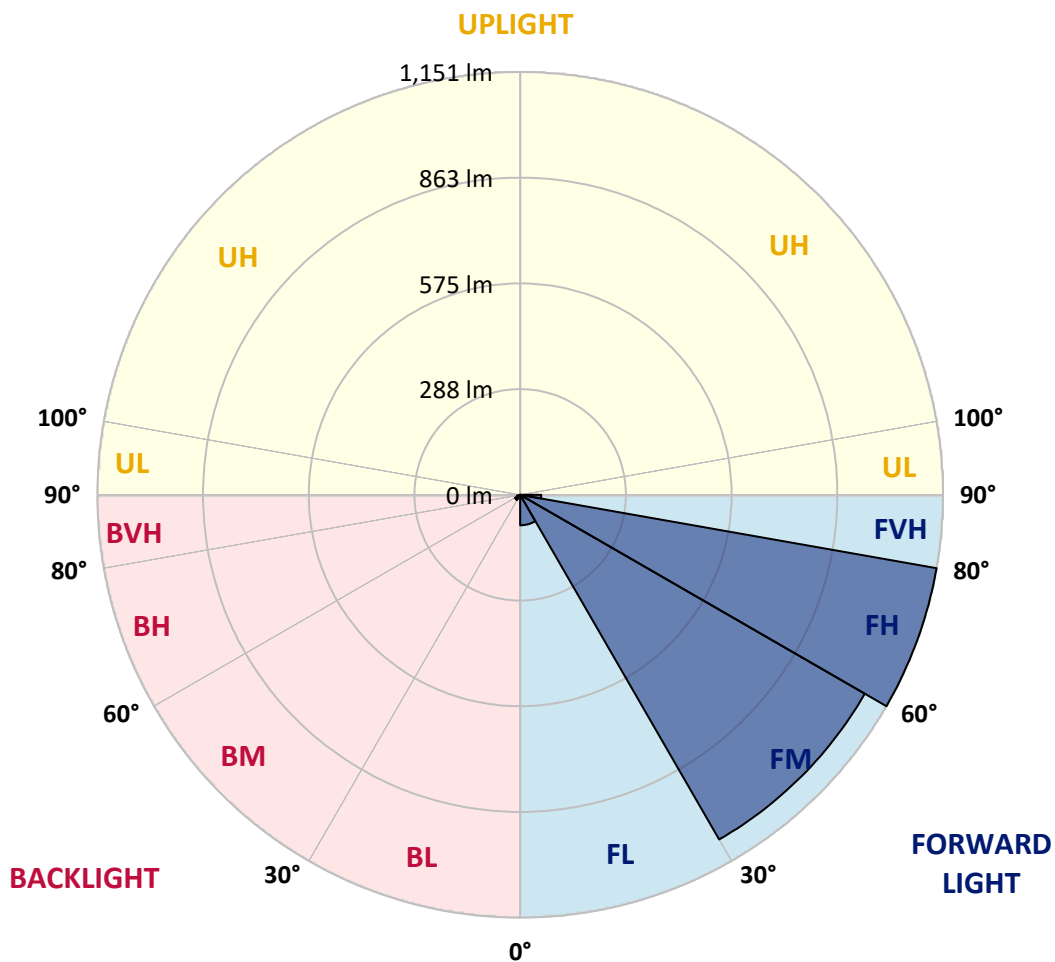
CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.8	3.4			
FM (30°-60°)	1083.1	45.0			
FH (60°-80°)	1150.8	47.8			G1/1800
FVH (80°-90°)	57.4	2.4			G1/100
BL (0°-30°)	6.3	0.3	B0/110		
BM (30°-60°)	16.0	0.7	B0/220		
BH (60°-80°)	9.0	0.4	B0/110		G0/110
BVH (80°-90°)	1.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





REPORT NUMBER: P179358

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
2.5°	34.6	34.6	33.8	34.6	33.8	32.9	32.9	32.1	32.1	31.2	31.2
5°	50.6	50.6	49.8	48.1	46.4	45.6	44.7	42.2	41.4	40.5	38.8
7.5°	90.3	90.3	88.6	86.9	86.1	84.4	82.7	79.3	76.0	56.5	49.0
10°	115.6	113.9	112.3	108.9	108.0	103.8	99.6	97.1	93.7	85.2	79.3
12.5°	162.0	161.2	159.5	160.4	155.3	151.9	145.2	139.3	111.4	104.7	102.1
15°	213.5	200.0	187.4	175.6	172.2	168.8	158.7	159.5	166.3	151.9	119.0
17.5°	218.6	219.4	217.7	217.7	212.7	210.2	216.1	187.4	182.3	169.6	160.4
20°	275.1	276.0	274.3	256.6	232.1	223.7	236.3	227.9	227.9	207.6	195.0
22.5°	287.8	290.3	287.8	287.0	281.0	295.4	286.1	247.3	261.6	243.9	234.6
25°	349.4	351.1	350.3	342.7	353.6	310.6	303.8	322.4	304.7	283.6	292.9
27.5°	415.2	413.6	375.6	362.9	368.0	362.9	382.3	351.1	367.1	346.9	332.5
30°	446.5	449.0	445.6	431.3	431.3	444.8	410.2	422.8	411.0	380.6	431.3
32.5°	536.8	540.2	530.0	527.5	488.7	475.2	463.4	476.0	446.5	468.4	481.1
35°	643.1	644.8	629.6	564.6	563.8	547.8	545.2	515.7	530.9	514.0	561.3
37.5°	731.7	727.5	703.0	671.8	673.5	640.6	606.0	608.5	584.0	585.7	630.5
40°	849.1	847.4	829.6	804.3	767.2	725.8	704.7	694.6	675.2	661.7	703.9
42.5°	957.9	968.9	961.3	928.4	873.5	855.0	804.3	784.1	778.2	756.2	790.8
45°	1093.0	1092.1	1091.3	1058.4	1022.9	984.1	909.0	898.0	887.9	885.3	923.3
47.5°	1194.2	1195.1	1198.5	1176.5	1152.0	1097.2	1022.9	1020.4	1026.3	1020.4	1068.5
50°	1262.6	1270.2	1282.9	1277.8	1244.9	1207.8	1161.3	1152.9	1160.5	1157.1	1233.9
52.5°	1308.2	1317.5	1332.7	1341.9	1306.5	1290.5	1271.1	1260.1	1296.4	1297.2	1385.0
55°	1325.9	1336.0	1351.2	1369.8	1342.8	1346.2	1338.6	1336.9	1395.1	1408.6	1524.2
57.5°	1311.6	1320.8	1337.7	1360.5	1352.9	1380.8	1364.7	1372.3	1462.6	1498.1	1647.5
60°	1273.6	1282.0	1300.6	1338.6	1328.4	1361.4	1353.8	1390.1	1507.4	1585.9	1790.1
62.5°	1210.3	1220.4	1240.7	1277.0	1282.0	1310.7	1318.3	1379.9	1537.8	1674.5	1980.8
65°	1132.6	1135.2	1153.7	1183.3	1195.1	1201.0	1235.6	1310.7	1515.0	1736.9	2123.5
67.5°	1015.3	1021.2	1033.0	1050.8	1060.1	1028.8	1057.5	1135.2	1340.3	1606.1	2018.0
70°	719.9	719.1	745.2	821.2	844.0	773.9	772.3	820.4	988.3	1242.4	1614.6
72.5°	491.2	497.1	508.9	532.6	605.1	583.2	575.6	550.3	616.1	757.1	1066.8
75°	373.9	376.4	425.4	465.0	514.0	536.8	551.1	520.7	496.3	474.3	611.0
77.5°	127.4	138.4	162.0	222.0	346.9	422.8	470.1	514.0	543.5	520.7	504.7
80°	27.9	28.7	32.1	43.0	121.5	218.6	274.3	350.3	436.3	485.3	527.5
82.5°	11.8	12.7	15.2	18.6	28.7	81.0	113.9	131.7	178.1	235.5	384.0
85°	4.2	4.2	5.1	6.8	11.0	20.3	30.4	32.9	50.6	74.3	125.8
87.5°	1.7	1.7	1.7	2.5	3.4	5.1	5.9	6.8	8.4	17.7	42.2
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: P179358

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
2.5°	31.2	30.4	30.4	30.4	29.5	27.0	25.3	21.9	20.3	18.6	17.7
5°	37.1	34.6	32.9	32.9	30.4	29.5	28.7	24.5	19.4	16.9	15.2
7.5°	44.7	41.4	38.8	38.0	34.6	30.4	28.7	26.2	19.4	16.0	14.3
10°	75.1	53.2	49.0	47.3	42.2	37.1	33.8	32.1	23.6	18.6	16.9
12.5°	95.4	84.4	76.0	66.7	49.8	44.7	38.0	32.1	24.5	18.6	15.2
15°	110.6	98.7	86.9	86.1	70.9	57.4	46.4	40.5	28.7	23.6	19.4
17.5°	159.5	123.2	107.2	106.3	90.3	63.3	53.2	39.7	31.2	22.8	18.6
20°	181.5	154.5	129.1	133.4	117.3	92.8	67.5	51.5	37.1	30.4	24.5
22.5°	232.9	209.3	180.6	162.0	135.9	109.7	74.3	57.4	42.2	31.2	25.3
25°	270.1	239.7	228.7	226.2	187.4	147.7	98.7	67.5	47.3	34.6	30.4
27.5°	334.2	311.4	274.3	270.1	213.5	162.0	124.1	80.2	52.3	38.0	32.1
30°	376.4	359.5	346.9	337.6	267.5	195.0	140.9	91.2	56.5	39.7	32.9
32.5°	459.1	427.1	399.2	384.9	339.3	246.4	170.5	104.7	61.6	42.2	36.3
35°	526.7	523.3	482.8	479.4	413.6	314.8	207.6	122.4	64.1	43.0	35.4
37.5°	615.3	595.9	576.4	566.3	504.7	386.5	254.0	150.2	75.1	44.7	35.4
40°	686.2	666.8	659.2	649.9	568.8	456.6	314.0	163.7	76.8	45.6	34.6
42.5°	776.5	746.1	752.8	742.7	656.6	550.3	373.9	195.8	82.7	45.6	32.9
45°	891.3	875.2	882.8	865.9	780.7	670.1	436.3	227.9	91.2	44.7	30.4
47.5°	1038.1	1028.8	1037.3	1007.7	942.7	828.0	567.2	286.1	102.1	43.9	28.7
50°	1194.2	1207.8	1195.9	1168.1	1140.2	996.8	719.9	357.9	118.2	42.2	27.0
52.5°	1377.4	1379.1	1358.0	1357.1	1358.0	1217.0	879.4	443.9	138.4	40.5	25.3
55°	1551.3	1572.4	1561.4	1574.0	1593.5	1496.4	1075.2	542.7	166.3	38.0	23.6
57.5°	1729.3	1804.5	1834.8	1874.5	1911.6	1858.5	1339.4	686.2	200.0	35.4	21.9
60°	1959.7	2164.0	2294.0	2342.1	2373.3	2264.4	1682.1	869.3	249.0	32.9	19.4
62.5°	2257.7	2584.3	2775.9	2831.6	2789.4	2561.5	1881.3	1006.0	288.6	31.2	16.9
65°	2454.3	2816.4	3015.6	2980.1	2930.3	2595.3	1909.1	1018.7	297.1	27.9	15.2
67.5°	2337.9	2672.1	2871.3	2818.1	2781.8	2426.5	1711.6	938.5	276.8	23.6	13.5
70°	1937.0	2275.4	2450.1	2406.2	2432.4	2059.3	1400.2	795.0	245.6	20.3	11.8
72.5°	1391.7	1657.6	1836.5	1809.5	1879.6	1480.4	1031.4	625.4	204.2	16.9	10.1
75°	849.9	1093.8	1136.9	1095.5	1045.7	755.4	498.0	340.1	131.7	12.7	7.6
77.5°	519.9	596.7	526.7	533.4	420.3	189.1	93.7	70.1	37.1	10.1	5.1
80°	495.4	448.2	362.1	351.9	242.2	73.4	41.4	31.2	16.0	7.6	4.2
82.5°	517.4	542.7	463.4	428.7	256.6	65.0	33.8	25.3	12.7	5.9	3.4
85°	214.4	483.6	449.0	409.3	237.2	50.6	27.0	18.6	8.4	4.2	3.4
87.5°	83.6	138.4	127.4	113.9	75.1	25.3	21.1	15.2	5.9	3.4	3.4
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: P179358

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
2.5°	16.9	16.0	15.2	15.2	14.3	14.3	13.5	13.5	13.5	13.5	13.5
5°	14.3	13.5	12.7	11.8	11.0	11.0	11.8	12.7	12.7	13.5	12.7
7.5°	12.7	11.8	10.1	11.0	11.0	9.3	6.8	5.9	5.9	6.8	6.8
10°	13.5	11.8	12.7	7.6	5.9	5.1	5.9	5.9	5.9	7.6	9.3
12.5°	13.5	14.3	10.1	9.3	8.4	7.6	9.3	8.4	7.6	8.4	8.4
15°	17.7	12.7	11.0	9.3	10.1	11.0	10.1	9.3	8.4	8.4	9.3
17.5°	15.2	13.5	12.7	14.3	13.5	11.0	10.1	11.0	11.0	10.1	9.3
20°	20.3	17.7	16.9	14.3	12.7	12.7	12.7	11.0	10.1	10.1	11.0
22.5°	22.8	19.4	19.4	17.7	16.0	12.7	12.7	11.8	11.8	11.0	10.1
25°	27.0	25.3	21.9	17.7	16.9	15.2	14.3	11.8	11.8	11.0	11.0
27.5°	28.7	25.3	21.9	20.3	17.7	14.3	14.3	11.8	11.0	11.0	10.1
30°	30.4	26.2	22.8	20.3	17.7	15.2	14.3	11.8	11.0	10.1	10.1
32.5°	32.1	27.0	21.9	19.4	16.9	14.3	13.5	11.8	10.1	9.3	9.3
35°	30.4	25.3	21.9	19.4	16.0	13.5	12.7	11.0	9.3	9.3	8.4
37.5°	28.7	23.6	20.3	17.7	15.2	12.7	11.0	9.3	8.4	7.6	7.6
40°	27.0	21.9	18.6	16.0	13.5	11.8	10.1	7.6	6.8	5.9	5.9
42.5°	24.5	20.3	16.9	14.3	11.8	9.3	8.4	6.8	5.1	4.2	4.2
45°	23.6	18.6	15.2	12.7	10.1	8.4	6.8	5.1	3.4	2.5	2.5
47.5°	21.9	16.9	13.5	11.0	8.4	6.8	5.1	3.4	2.5	1.7	1.7
50°	20.3	16.0	11.8	9.3	6.8	5.1	3.4	2.5	1.7	0.8	0.8
52.5°	18.6	14.3	10.1	7.6	5.9	4.2	2.5	1.7	0.8	0.8	0.0
55°	16.9	11.8	9.3	6.8	4.2	2.5	1.7	0.8	0.8	0.0	0.0
57.5°	14.3	10.1	7.6	5.1	3.4	1.7	0.8	0.8	0.8	0.0	0.0
60°	12.7	8.4	5.9	4.2	2.5	1.7	0.8	0.8	0.0	0.0	0.0
62.5°	11.0	7.6	5.1	3.4	1.7	0.8	0.8	0.8	0.0	0.0	0.0
65°	9.3	5.9	4.2	2.5	1.7	0.8	0.8	0.8	0.8	0.0	0.0
67.5°	8.4	5.1	3.4	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.0
70°	7.6	4.2	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	5.9	3.4	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
75°	4.2	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
77.5°	3.4	2.5	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
80°	2.5	1.7	1.7	2.5	2.5	2.5	0.8	1.7	1.7	1.7	1.7
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.8	2.5	2.5	2.5	1.7
85°	2.5	2.5	2.5	2.5	3.4	3.4	0.8	3.4	3.4	2.5	2.5
87.5°	3.4	2.5	3.4	3.4	3.4	4.2	0.8	3.4	3.4	3.4	3.4
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: P179358

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
0°	21.1	21.1	21.1	21.1	21.1
2.5°	13.5	14.3	14.3	14.3	14.3
5°	11.8	11.0	11.0	11.0	11.0
7.5°	6.8	6.8	7.6	7.6	7.6
10°	10.1	10.1	10.1	10.1	10.1
12.5°	8.4	9.3	9.3	9.3	9.3
15°	10.1	10.1	11.0	11.0	11.0
17.5°	9.3	9.3	10.1	10.1	10.1
20°	10.1	11.0	11.0	11.0	11.0
22.5°	9.3	9.3	11.0	11.0	11.8
25°	11.0	10.1	10.1	11.0	10.1
27.5°	10.1	10.1	11.0	11.0	11.0
30°	10.1	9.3	9.3	10.1	10.1
32.5°	9.3	9.3	9.3	9.3	9.3
35°	8.4	8.4	9.3	9.3	9.3
37.5°	7.6	6.8	7.6	7.6	7.6
40°	5.9	5.9	5.9	6.8	6.8
42.5°	4.2	4.2	4.2	4.2	4.2
45°	2.5	2.5	2.5	2.5	2.5
47.5°	1.7	0.8	1.7	1.7	1.7
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.0	0.8	0.8	0.8	0.8
55°	0.0	0.8	0.8	0.8	0.8
57.5°	0.0	0.0	0.8	0.8	0.8
60°	0.0	0.0	0.8	0.8	0.8
62.5°	0.0	0.0	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	1.7	0.8	0.8
77.5°	1.7	1.7	1.7	1.7	0.8
80°	1.7	1.7	1.7	1.7	0.8
82.5°	1.7	1.7	2.5	1.7	0.8
85°	2.5	2.5	2.5	2.5	0.8
87.5°	2.5	2.5	3.4	3.4	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)