

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: P157155

Luminaire Tested: **UTLD-F01-LED-E-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157155
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-F01-LED-E-U-T3
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2225.2 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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

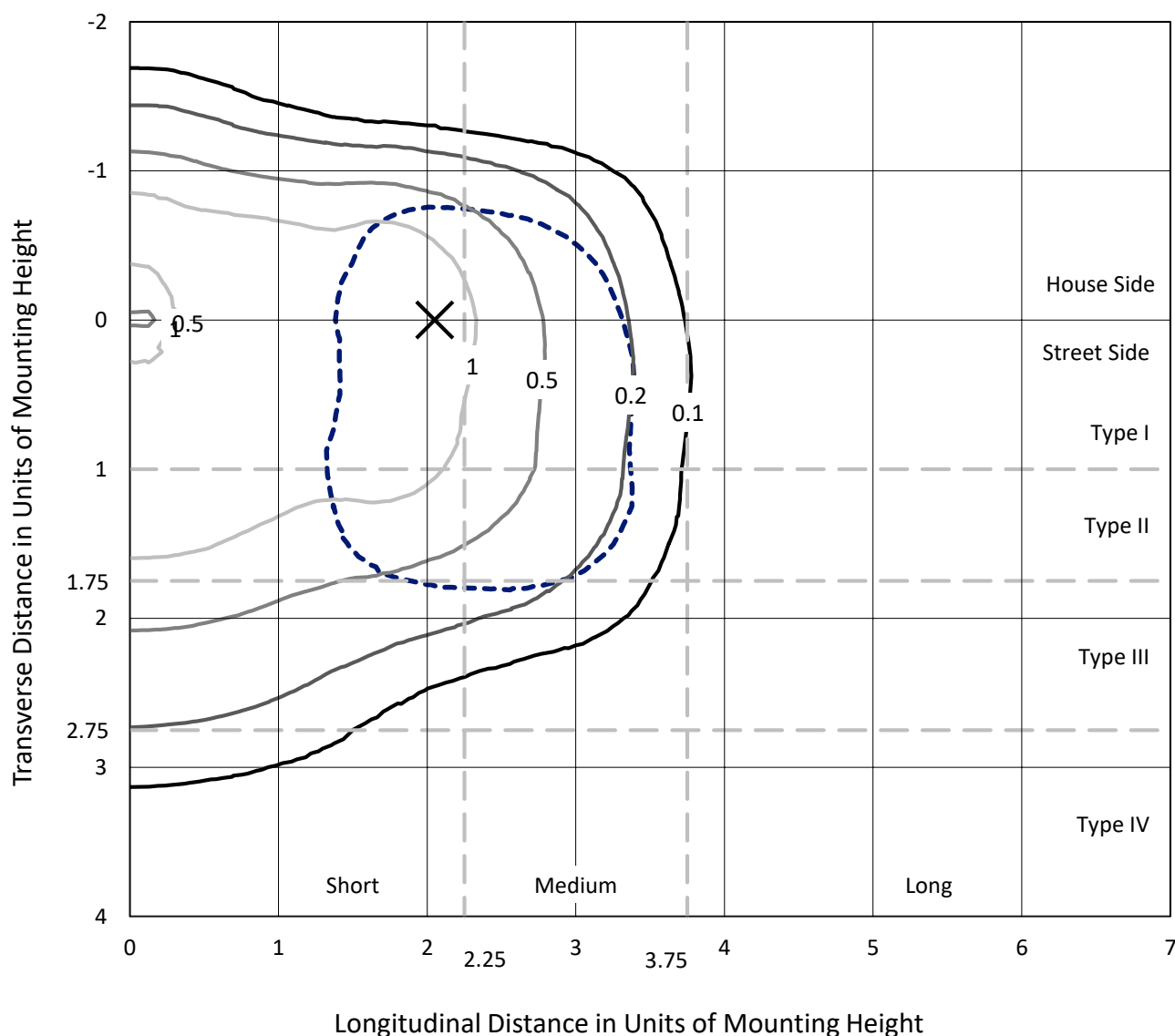


REPORT NUMBER: P157155

CATALOG NUMBER: UTLD-F01-LED-E-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

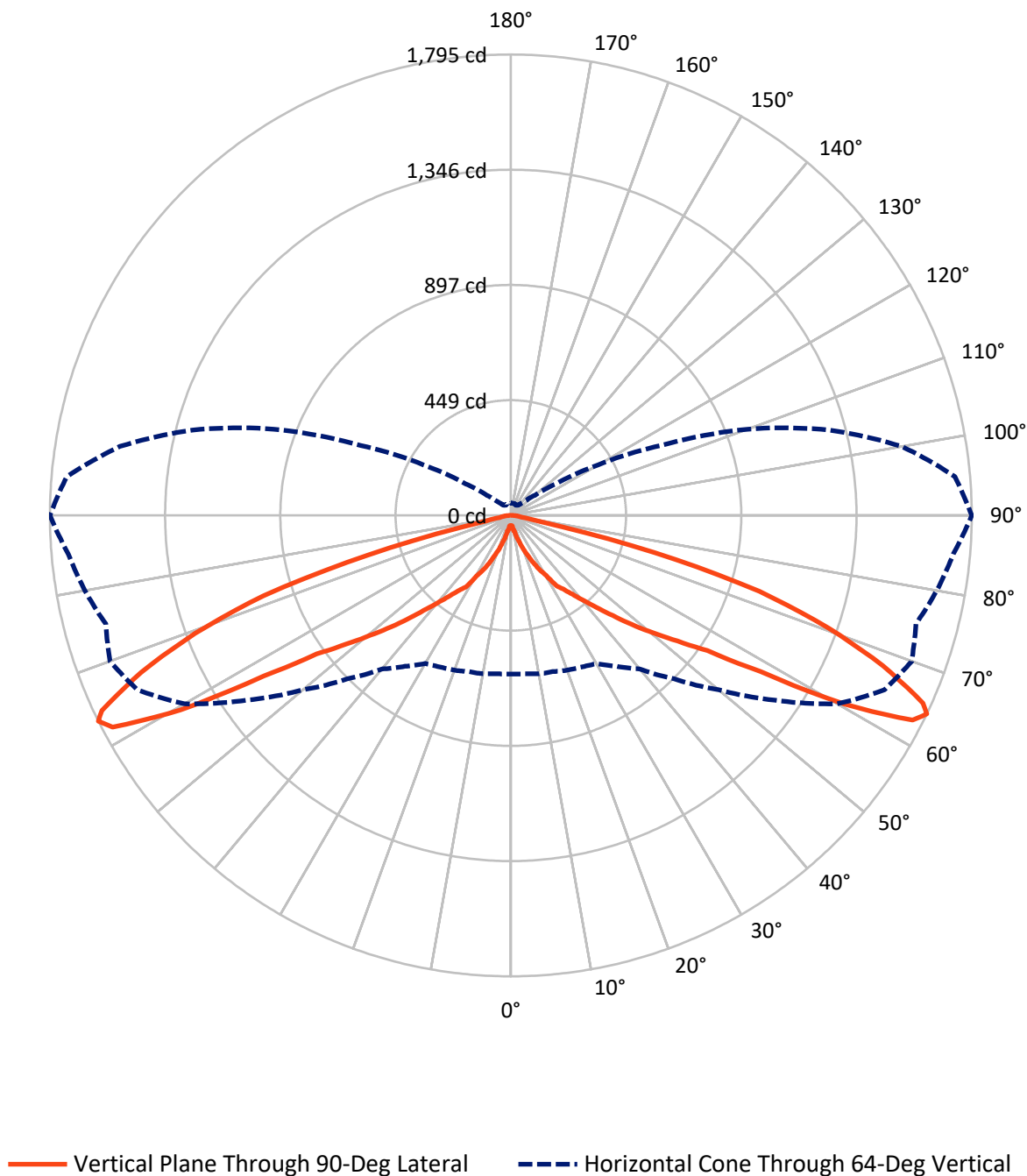


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P157155

CATALOG NUMBER: UTLD-F01-LED-E-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P157155

CATALOG NUMBER: UTLD-F01-LED-E-U-T3

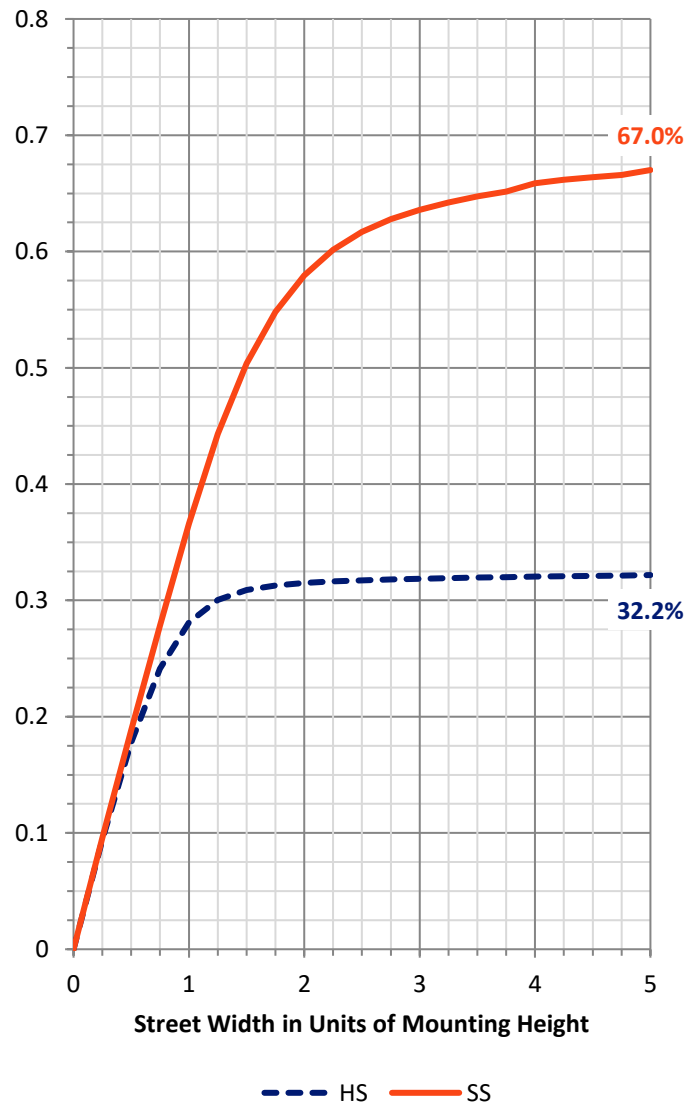
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	723.2	0.0	723.2
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1502.0	0.0	1502.0
	% Fixture	67.5	0.0	67.5
Total	Lumens	2225.2	0.0	2225.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.2
10°-20°	29.2	1.3
20°-30°	86.2	3.9
30°-40°	182.1	8.2
40°-50°	319.2	14.3
50°-60°	508.3	22.8
60°-70°	712.9	32.0
70°-80°	322.9	14.5
80°-90°	59.0	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°	2225.2	100.0
0°-180°	2225.2	100.0

Coefficient of Utilization



REPORT NUMBER: P157155

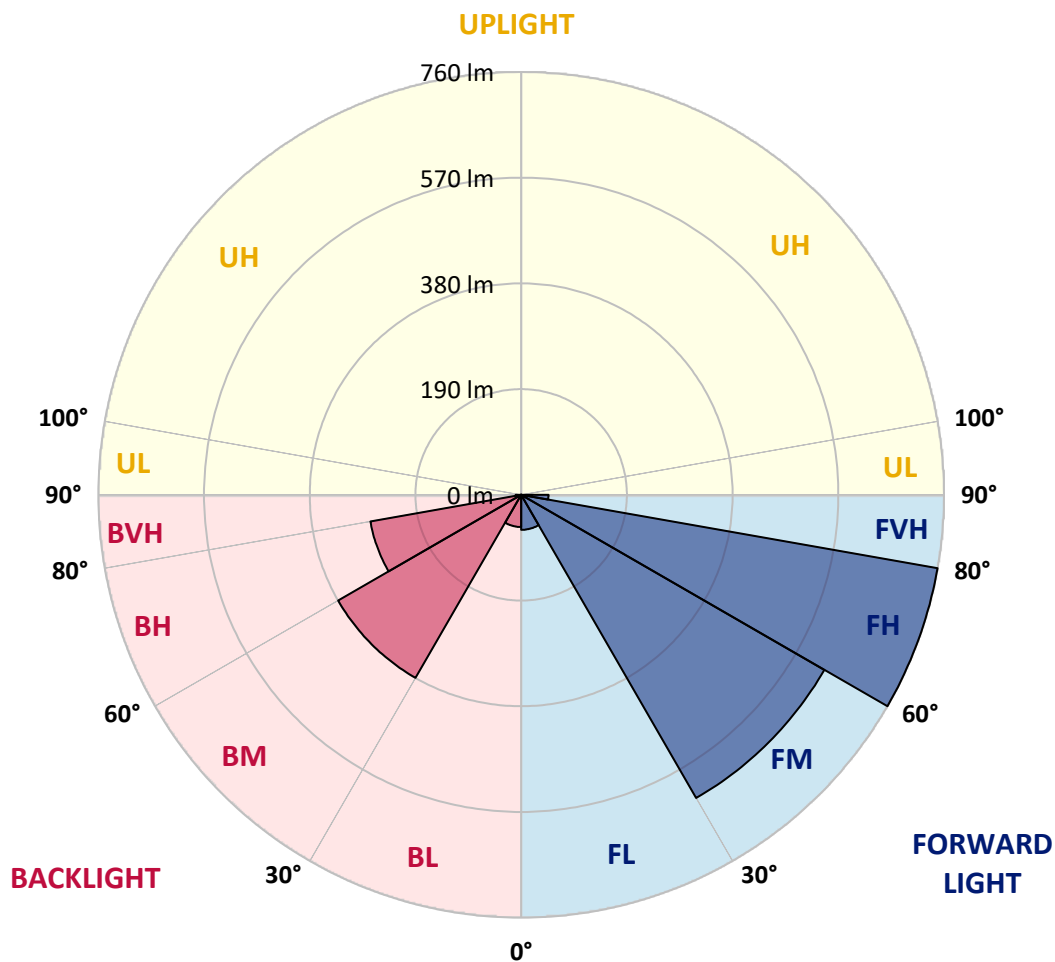
CATALOG NUMBER: UTLD-F01-LED-E-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	63.0	2.8			
FM	(30°-60°)	629.5	28.3			
FH	(60°-80°)	760.4	34.2			G1/1800
FVH	(80°-90°)	49.1	2.2			G1/100
BL	(0°-30°)	57.9	2.6	B0/110		
BM	(30°-60°)	380.1	17.1	B1/1000		
BH	(60°-80°)	275.3	12.4	B1/500		G1/500
BVH	(80°-90°)	9.8	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P157155

CATALOG NUMBER: UTLD-F01-LED-E-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	64.4	65.2	64.8	65.2	65.6	65.2	65.2	64.8	65.2	65.6	65.6
5°	52.4	52.8	52.8	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8
7.5°	78.4	78.8	79.3	78.4	78.4	78.8	78.0	66.9	54.1	53.2	52.4
10°	78.4	78.8	78.8	78.0	78.4	78.8	78.8	78.4	75.9	75.5	75.5
12.5°	100.7	101.1	101.5	101.5	101.5	98.7	94.9	79.7	77.6	97.8	99.5
15°	102.0	102.0	102.0	100.3	100.3	98.7	99.9	118.1	116.8	102.8	101.1
17.5°	125.5	125.5	125.5	125.1	122.2	122.2	123.0	118.9	119.3	119.7	141.2
20°	152.7	153.5	142.4	130.4	125.9	140.3	140.8	138.3	151.9	135.4	142.4
22.5°	159.7	159.7	159.3	155.6	156.4	166.3	160.2	154.8	158.1	149.4	161.4
25°	189.9	189.9	187.4	184.1	179.1	174.6	179.6	178.7	171.3	170.5	190.3
27.5°	203.5	197.7	196.5	192.3	203.5	201.0	205.1	186.6	202.3	198.5	209.3
30°	233.6	233.2	229.1	232.8	232.8	223.3	215.9	224.5	227.8	220.8	245.2
32.5°	276.6	276.1	271.2	268.3	248.1	246.0	250.5	251.8	251.4	253.4	260.9
35°	323.2	322.8	295.5	290.2	282.7	281.1	280.7	274.1	281.9	272.0	291.8
37.5°	354.2	357.5	341.8	338.1	328.6	317.8	309.2	313.3	303.8	302.6	317.0
40°	416.1	417.3	403.3	391.7	383.5	359.1	350.4	348.0	344.7	340.5	359.9
42.5°	474.3	472.6	460.2	451.1	440.8	417.3	392.1	389.2	388.4	384.7	401.6
45°	530.8	532.1	517.6	513.5	497.0	482.1	447.4	447.8	445.4	441.2	456.5
47.5°	582.4	585.3	577.5	564.7	551.5	539.5	513.1	511.4	505.6	506.9	525.0
50°	625.7	631.1	623.7	614.2	602.2	594.0	578.7	575.0	571.7	575.0	594.8
52.5°	655.5	660.0	662.9	650.9	650.9	640.2	635.2	631.5	632.8	642.7	666.2
55°	670.3	674.5	680.6	672.4	690.6	674.9	670.3	675.7	683.9	701.7	735.1
57.5°	670.3	672.8	680.6	682.3	693.0	681.9	690.1	701.7	719.4	750.4	797.5
60°	656.3	658.4	667.8	669.1	679.0	676.5	683.5	716.6	742.6	793.7	869.3
62.5°	634.0	635.2	644.3	646.8	657.1	662.1	672.8	720.7	766.9	856.1	977.4
64°	617.9	618.7	626.2	629.9	641.4	650.9	665.8	717.4	780.5	899.8	1056.7
65°	606.8	606.8	615.8	617.5	629.0	641.4	657.5	709.5	781.4	916.3	1090.9
67.5°	563.0	560.9	570.0	574.2	578.7	588.6	598.5	652.6	732.7	890.3	1081.9
70°	489.1	484.2	488.7	485.4	482.9	478.4	473.4	511.0	568.0	726.5	916.3
72.5°	343.0	343.0	339.3	347.1	352.9	358.7	338.9	343.4	374.4	476.7	646.0
75°	230.3	232.8	239.4	258.4	277.0	293.9	300.5	300.9	274.9	282.7	392.1
77.5°	136.6	142.0	146.9	169.2	193.2	228.7	260.0	290.6	297.6	293.5	284.0
80°	61.5	63.2	70.2	78.8	93.7	118.1	163.9	212.6	267.9	295.5	289.8
82.5°	21.1	23.1	27.7	33.0	39.2	49.9	74.3	100.3	153.1	217.1	269.9
85°	7.0	7.8	10.7	14.9	16.5	19.0	25.2	37.1	60.7	85.4	162.6
87.5°	2.9	3.7	5.0	7.4	8.3	8.3	8.7	11.1	11.1	11.1	44.6
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: P157155

CATALOG NUMBER: UTLD-F01-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	54.1	49.9	44.2	42.9	41.3	40.9	40.5	40.5	40.0	40.5	40.5
5°	57.8	61.1	63.6	61.9	45.8	43.8	40.5	40.0	40.5	40.5	42.5
7.5°	52.4	52.4	49.9	57.4	57.8	42.9	39.6	40.5	40.9	41.3	47.9
10°	56.5	71.8	71.4	72.6	83.0	81.3	60.7	59.4	59.9	62.7	83.0
12.5°	100.7	93.3	73.5	76.8	75.9	84.2	64.8	62.3	64.0	79.7	77.6
15°	101.1	116.0	118.5	104.4	99.1	104.8	94.5	90.0	87.1	103.6	89.2
17.5°	120.1	118.9	121.4	111.9	105.7	104.0	113.9	111.4	106.9	99.5	92.5
20°	132.9	142.0	144.9	163.5	152.3	147.8	151.1	142.4	137.4	139.5	139.1
22.5°	163.0	175.8	166.3	170.1	173.4	184.9	180.8	167.6	170.9	171.7	166.3
25°	172.5	193.6	207.2	214.2	216.7	209.3	219.6	204.3	209.3	202.3	207.2
27.5°	213.8	215.0	225.8	223.3	240.2	248.9	248.5	240.2	242.3	246.4	251.8
30°	225.8	230.3	251.8	259.2	268.7	275.3	267.5	270.8	264.6	273.2	274.5
32.5°	263.3	259.2	267.1	298.4	320.3	331.4	320.3	326.9	319.9	322.8	308.3
35°	285.6	305.0	310.4	325.3	341.8	357.5	354.2	352.9	352.1	357.9	327.7
37.5°	331.4	335.6	338.5	357.5	372.3	392.9	393.8	389.2	397.1	380.6	354.6
40°	361.6	368.2	371.9	384.7	414.8	431.3	443.7	434.6	445.8	412.8	394.2
42.5°	406.6	403.7	410.3	430.1	467.2	477.2	494.5	488.7	505.6	470.1	433.4
45°	465.6	463.1	464.4	477.2	527.5	534.5	551.9	556.4	564.7	520.5	482.9
47.5°	532.1	533.3	533.3	546.1	587.4	601.4	621.2	634.8	631.9	574.2	536.6
50°	606.8	612.5	603.9	621.6	652.6	677.8	688.9	718.2	707.5	648.9	607.2
52.5°	689.3	698.8	691.0	705.8	735.1	766.9	785.5	813.1	794.6	745.4	672.0
55°	771.0	787.6	796.6	812.7	850.3	880.4	888.7	927.9	901.9	853.6	743.0
57.5°	856.9	892.0	924.6	946.5	1009.6	1044.7	1062.5	1147.5	1115.7	1064.5	893.6
60°	967.9	1074.4	1163.2	1212.3	1295.7	1331.6	1402.6	1492.5	1469.8	1394.3	1163.6
62.5°	1150.0	1339.4	1474.8	1538.0	1557.8	1604.4	1670.9	1755.9	1720.8	1546.6	1305.6
64°	1254.0	1467.8	1605.2	1661.0	1632.9	1684.1	1729.5	1794.7	1735.7	1545.4	1283.7
65°	1298.1	1515.7	1647.3	1700.2	1643.6	1685.7	1723.3	1764.1	1690.3	1504.9	1230.0
67.5°	1309.3	1519.0	1636.6	1668.0	1574.3	1561.9	1568.1	1564.0	1464.9	1295.7	1050.5
70°	1141.7	1342.7	1507.4	1547.4	1422.0	1355.5	1352.2	1312.6	1211.9	1078.5	865.2
72.5°	881.7	1057.1	1220.1	1274.2	1155.7	1103.3	1090.9	1012.9	929.1	805.7	651.8
75°	597.3	739.3	786.7	790.0	695.1	667.0	648.9	578.3	505.6	452.8	382.2
77.5°	350.8	409.5	366.1	322.4	252.6	179.1	133.3	111.0	121.4	120.9	113.9
80°	296.8	278.6	225.4	174.6	125.5	71.0	51.6	43.8	44.6	45.4	44.6
82.5°	319.1	339.7	288.1	204.7	153.5	90.4	43.8	31.4	35.9	39.6	38.0
85°	270.4	331.4	308.7	221.2	164.7	94.9	31.0	20.6	26.4	32.6	34.7
87.5°	104.8	153.1	124.2	85.4	57.4	31.8	18.2	14.9	18.6	26.0	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



REPORT NUMBER: P157155

CATALOG NUMBER: UTLD-F01-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	40.9	42.1	44.2	44.2	42.9	44.2	49.9	57.0	61.1	64.4	68.1
5°	42.5	55.7	64.8	66.0	64.4	46.6	43.3	43.3	45.0	46.6	42.9
7.5°	59.4	56.5	39.6	42.1	42.5	42.9	42.5	43.8	44.2	58.6	66.9
10°	67.7	61.5	59.9	49.9	46.6	65.2	65.2	65.6	68.1	68.5	68.1
12.5°	66.0	63.2	63.6	84.6	91.2	87.1	70.6	65.2	68.1	78.0	87.5
15°	88.3	94.1	99.9	87.5	91.6	88.7	104.4	108.6	89.6	88.3	91.2
17.5°	94.1	113.5	114.3	109.4	123.4	110.2	107.3	108.6	106.9	99.1	111.9
20°	155.2	144.5	134.6	123.4	133.7	129.6	127.1	128.4	127.1	127.5	112.7
22.5°	164.7	160.2	168.8	164.3	154.8	144.5	148.6	146.1	132.5	146.9	135.8
25°	214.2	210.9	192.3	171.3	185.7	164.3	154.4	164.3	161.8	150.7	150.7
27.5°	225.4	224.5	221.2	225.0	197.7	186.2	198.1	169.6	171.3	175.0	174.2
30°	260.9	260.5	232.8	236.1	234.4	214.2	206.4	209.3	189.9	186.6	194.0
32.5°	298.8	274.1	266.6	269.1	249.7	236.5	232.4	216.3	208.9	205.1	193.2
35°	315.4	314.5	307.9	284.4	277.0	252.2	248.5	229.9	222.9	220.4	214.2
37.5°	337.2	336.4	329.4	317.0	299.3	269.9	257.2	244.8	229.1	219.2	227.0
40°	366.5	360.3	353.3	333.1	308.7	282.3	264.2	242.7	232.8	223.3	234.4
42.5°	418.5	390.9	373.6	348.0	315.4	283.6	263.3	242.7	223.7	220.8	222.5
45°	464.4	420.2	390.5	357.5	318.2	281.1	255.5	232.0	218.8	207.6	207.2
47.5°	504.4	453.6	406.2	364.9	316.6	274.5	243.9	218.8	202.3	191.5	186.6
50°	542.0	488.7	422.3	367.4	309.6	261.7	227.4	200.6	180.0	168.0	166.8
52.5°	579.5	513.5	435.9	363.6	296.0	242.3	203.5	175.0	152.7	142.8	140.8
55°	632.8	527.5	442.9	350.4	274.5	215.9	175.0	144.9	122.6	117.6	114.7
57.5°	744.6	573.3	449.9	329.8	242.7	181.6	141.6	115.6	99.1	94.1	91.6
60°	924.6	660.8	466.0	298.4	199.4	143.2	108.1	86.7	75.5	72.6	71.4
62.5°	1009.2	683.9	441.2	251.0	152.7	102.0	75.9	61.1	55.3	54.5	55.3
64°	982.4	644.7	393.4	214.2	121.8	78.8	58.6	48.7	45.4	45.0	46.6
65°	934.9	600.2	357.0	189.0	101.1	65.2	49.1	42.1	39.6	40.5	41.7
67.5°	772.3	463.9	241.9	113.1	58.6	40.0	33.4	30.1	30.5	31.4	33.0
70°	603.0	310.8	131.7	58.6	35.1	27.2	25.2	23.9	24.8	26.0	27.7
72.5°	413.6	173.8	62.7	33.4	26.0	21.9	21.5	21.1	21.9	23.1	24.8
75°	216.7	72.6	35.5	26.4	22.7	19.8	20.2	19.8	20.6	21.9	23.1
77.5°	68.5	39.2	29.7	24.4	21.5	18.6	19.0	19.4	20.2	21.1	21.9
80°	37.1	32.6	26.8	22.7	20.2	17.3	18.2	18.6	19.8	20.2	20.2
82.5°	33.8	28.5	23.5	20.6	19.4	16.9	18.6	18.6	18.6	18.6	18.6
85°	29.7	23.1	19.4	18.2	18.2	16.1	17.3	17.3	16.5	16.5	15.7
87.5°	23.1	16.9	16.5	18.2	16.9	11.6	14.9	14.0	12.8	12.8	12.4
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: P157155

CATALOG NUMBER: UTLD-F01-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	40.9	40.9	40.9	40.9
2.5°	67.7	68.1	66.5	66.5
5°	42.5	42.9	42.5	42.5
7.5°	69.3	68.5	71.0	68.5
10°	69.8	67.7	67.3	67.7
12.5°	90.8	90.8	91.2	91.2
15°	90.8	90.4	91.2	90.8
17.5°	113.9	114.7	115.2	114.7
20°	115.2	115.6	118.9	116.4
22.5°	136.6	139.1	139.1	138.7
25°	142.4	160.6	164.3	163.9
27.5°	163.5	165.5	165.9	165.5
30°	186.2	187.0	189.0	188.2
32.5°	196.1	209.3	211.7	210.9
35°	212.6	208.9	217.5	226.2
37.5°	222.5	221.2	223.3	222.9
40°	231.6	233.6	236.1	234.0
42.5°	222.9	221.7	222.9	222.1
45°	205.1	205.6	204.7	203.9
47.5°	182.9	182.9	182.0	182.0
50°	159.3	160.2	156.8	157.3
52.5°	134.6	135.4	132.9	130.4
55°	111.4	111.9	108.6	107.7
57.5°	90.0	91.2	88.3	87.1
60°	71.4	71.8	71.0	71.0
62.5°	56.5	55.7	54.9	55.3
64°	47.9	48.3	47.1	47.9
65°	42.9	43.8	42.9	43.8
67.5°	34.3	35.5	35.1	35.5
70°	29.3	29.7	29.3	29.3
72.5°	26.0	26.4	25.6	25.2
75°	24.4	23.9	23.5	23.1
77.5°	22.3	22.3	21.5	21.1
80°	19.8	19.4	18.6	17.7
82.5°	18.2	17.3	15.3	14.0
85°	15.3	14.0	11.6	9.1
87.5°	12.4	11.1	7.0	3.7
90°	0.0	0.0	0.0	0.0

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