

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: P157154

Luminaire Tested: **UTLD-F01-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157154
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-T3-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2032.4 lumens
Efficiency: N/A
Efficacy: 78.5 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

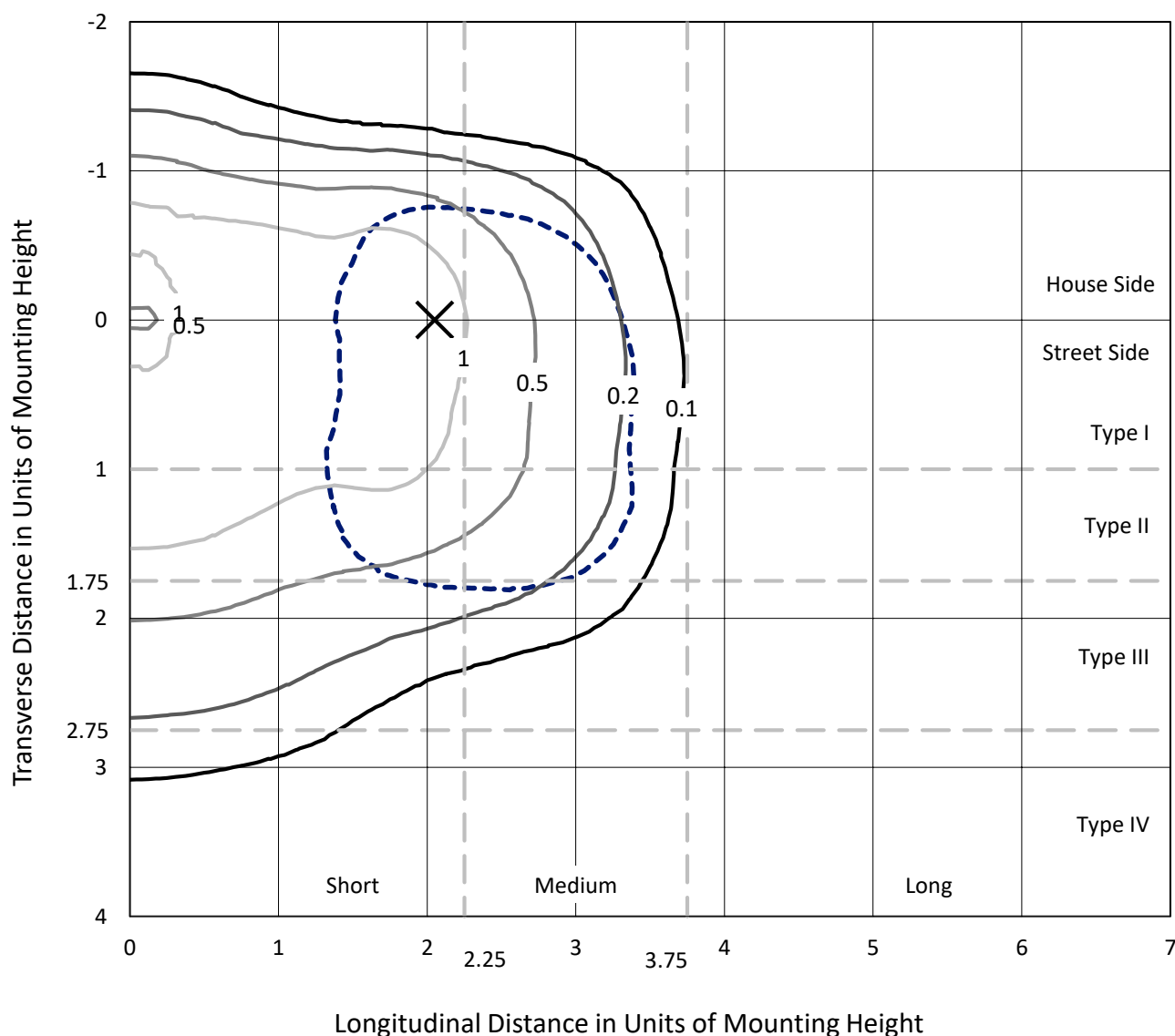


REPORT NUMBER: P157154

CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

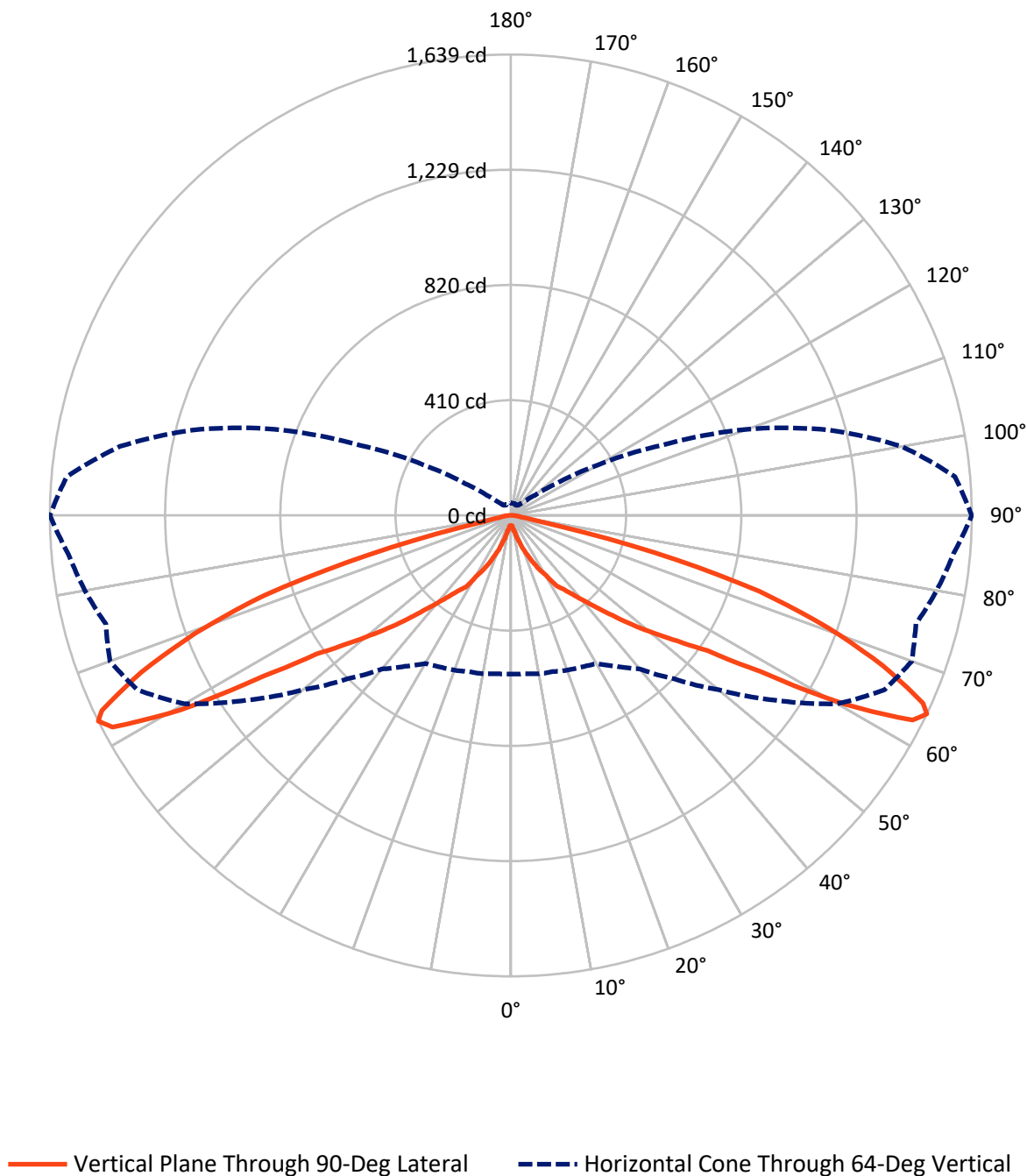


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P157154

CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P157154

CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

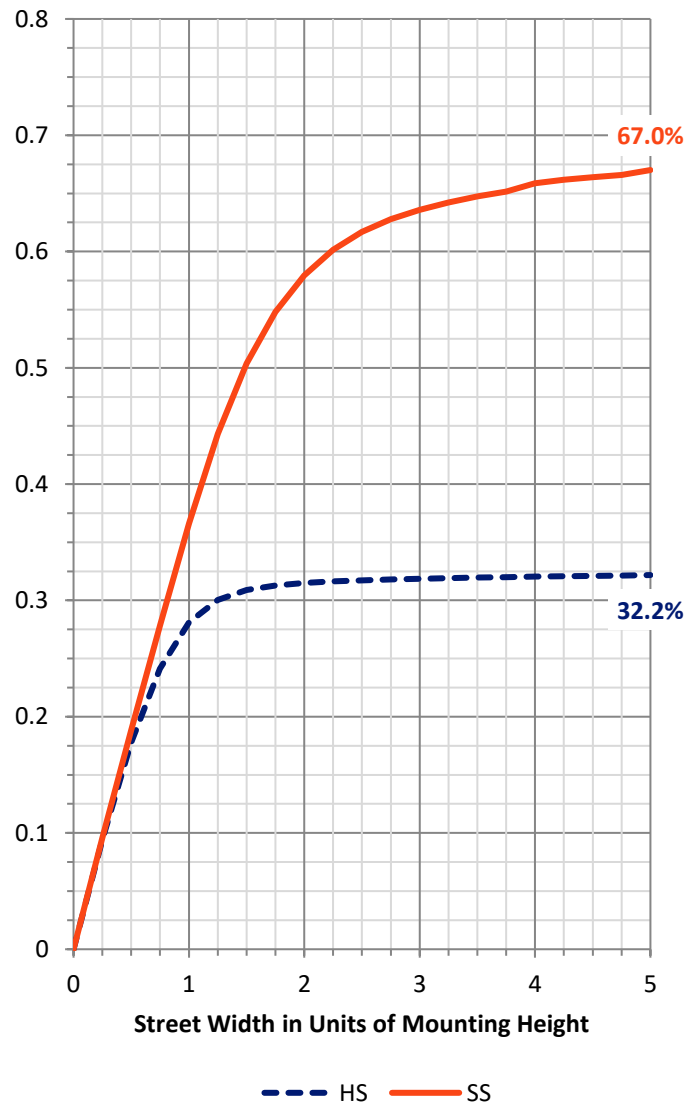
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.5	0.0	660.5
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1371.9	0.0	1371.9
	% Fixture	67.5	0.0	67.5
Total	Lumens	2032.4	0.0	2032.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.2
10°-20°	26.7	1.3
20°-30°	78.7	3.9
30°-40°	166.3	8.2
40°-50°	291.6	14.3
50°-60°	464.3	22.8
60°-70°	651.1	32.0
70°-80°	294.9	14.5
80°-90°	53.9	2.7
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°	2032.4	100.0
0°-180°	2032.4	100.0

Coefficient of Utilization



REPORT NUMBER: P157154

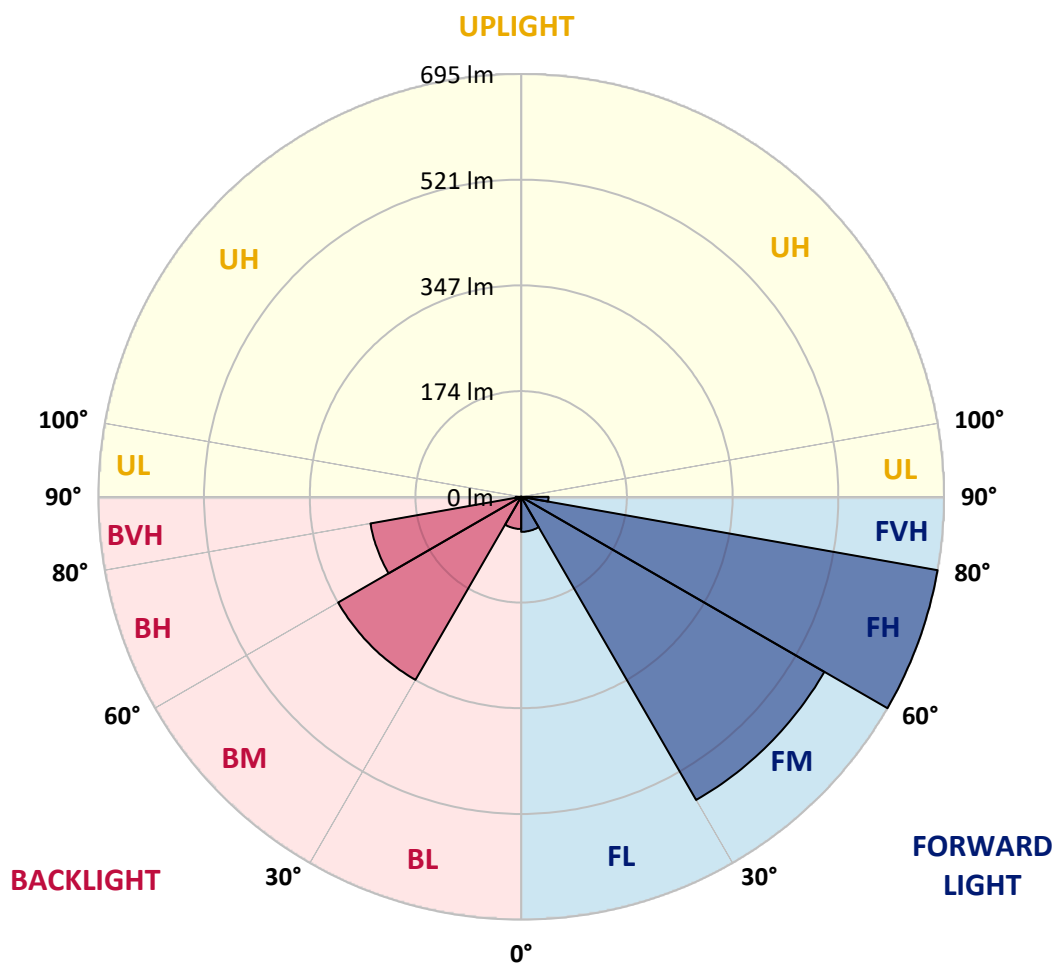
CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.5	2.8			
FM	(30°-60°)	575.0	28.3			
FH	(60°-80°)	694.5	34.2			G1/1800
FVH	(80°-90°)	44.9	2.2			G1/100
BL	(0°-30°)	52.9	2.6	B0/110		
BM	(30°-60°)	347.2	17.1	B1/1000		
BH	(60°-80°)	251.5	12.4	B1/500		G1/500
BVH	(80°-90°)	9.0	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: P157154

CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	58.8	59.6	59.2	59.6	59.9	59.6	59.6	59.2	59.6	59.9	59.9
5°	47.9	48.3	48.3	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3
7.5°	71.6	72.0	72.4	71.6	71.6	72.0	71.3	61.1	49.4	48.6	47.9
10°	71.6	72.0	72.0	71.3	71.6	72.0	72.0	71.6	69.4	69.0	69.0
12.5°	92.0	92.4	92.7	92.7	92.7	90.1	86.7	72.8	70.9	89.3	90.9
15°	93.1	93.1	93.1	91.6	91.6	90.1	91.2	107.8	106.7	93.9	92.4
17.5°	114.6	114.6	114.6	114.2	111.6	111.6	112.3	108.6	109.0	109.3	128.9
20°	139.5	140.2	130.1	119.1	115.0	128.2	128.6	126.3	138.7	123.7	130.1
22.5°	145.9	145.9	145.5	142.1	142.9	151.9	146.3	141.4	144.4	136.5	147.4
25°	173.4	173.4	171.2	168.1	163.6	159.5	164.0	163.2	156.5	155.7	173.8
27.5°	185.9	180.6	179.5	175.7	185.9	183.6	187.4	170.4	184.7	181.3	191.1
30°	213.4	213.0	209.2	212.6	212.6	204.0	197.2	205.1	208.1	201.7	223.9
32.5°	252.6	252.2	247.7	245.0	226.6	224.7	228.8	230.0	229.6	231.5	238.3
35°	295.2	294.8	269.9	265.0	258.2	256.7	256.4	250.3	257.5	248.4	266.5
37.5°	323.5	326.5	312.2	308.8	300.1	290.3	282.4	286.1	277.5	276.3	289.5
40°	380.0	381.1	368.3	357.8	350.2	328.0	320.1	317.8	314.8	311.0	328.7
42.5°	433.2	431.7	420.4	412.1	402.6	381.1	358.1	355.5	354.8	351.4	366.8
45°	484.8	485.9	472.8	469.0	453.9	440.3	408.7	409.0	406.8	403.0	417.0
47.5°	531.9	534.6	527.4	515.7	503.7	492.7	468.6	467.1	461.8	463.0	479.5
50°	571.5	576.4	569.6	561.0	550.0	542.5	528.5	525.2	522.1	525.2	543.3
52.5°	598.7	602.8	605.5	594.5	594.5	584.7	580.2	576.8	577.9	587.0	608.5
55°	612.2	616.0	621.7	614.1	630.7	616.4	612.2	617.1	624.7	640.9	671.4
57.5°	612.2	614.5	621.7	623.2	633.0	622.8	630.3	640.9	657.1	685.4	728.4
60°	599.4	601.3	610.0	611.1	620.2	617.9	624.3	654.5	678.2	725.0	794.0
62.5°	579.1	580.2	588.5	590.8	600.2	604.7	614.5	658.2	700.5	781.9	892.7
64°	564.4	565.1	571.9	575.3	585.9	594.5	608.1	655.2	712.9	821.9	965.1
65°	554.2	554.2	562.5	564.0	574.5	585.9	600.6	648.1	713.7	836.9	996.4
67.5°	514.2	512.3	520.6	524.4	528.5	537.6	546.6	596.0	669.2	813.2	988.1
70°	446.7	442.2	446.4	443.3	441.1	436.9	432.4	466.7	518.7	663.5	836.9
72.5°	313.3	313.3	309.9	317.1	322.3	327.6	309.5	313.7	341.9	435.4	590.0
75°	210.4	212.6	218.7	236.0	253.0	268.4	274.5	274.8	251.1	258.2	358.1
77.5°	124.8	129.7	134.2	154.6	176.4	208.9	237.5	265.4	271.8	268.0	259.4
80°	56.2	57.7	64.1	72.0	85.6	107.8	149.7	194.2	244.7	269.9	264.7
82.5°	19.2	21.1	25.3	30.2	35.8	45.6	67.9	91.6	139.9	198.3	246.6
85°	6.4	7.2	9.8	13.6	15.1	17.3	23.0	33.9	55.4	78.0	148.5
87.5°	2.6	3.4	4.5	6.8	7.5	7.5	7.9	10.2	10.2	10.2	40.7
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: P157154

CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	49.4	45.6	40.3	39.2	37.7	37.3	36.9	36.9	36.6	36.9	36.9
5°	52.8	55.8	58.1	56.5	41.8	40.0	36.9	36.6	36.9	36.9	38.8
7.5°	47.9	47.9	45.6	52.4	52.8	39.2	36.2	36.9	37.3	37.7	43.7
10°	51.6	65.6	65.2	66.4	75.8	74.3	55.4	54.3	54.7	57.3	75.8
12.5°	92.0	85.2	67.1	70.1	69.4	76.9	59.2	56.9	58.4	72.8	70.9
15°	92.4	105.9	108.2	95.4	90.5	95.8	86.3	82.2	79.5	94.6	81.4
17.5°	109.7	108.6	110.8	102.2	96.5	95.0	104.1	101.8	97.6	90.9	84.4
20°	121.4	129.7	132.3	149.3	139.1	135.0	138.0	130.1	125.5	127.4	127.0
22.5°	148.9	160.6	151.9	155.3	158.3	168.9	165.1	153.1	156.1	156.8	151.9
25°	157.6	176.8	189.3	195.7	197.9	191.1	200.6	186.6	191.1	184.7	189.3
27.5°	195.3	196.4	206.2	204.0	219.4	227.3	227.0	219.4	221.3	225.1	230.0
30°	206.2	210.4	230.0	236.8	245.4	251.5	244.3	247.3	241.7	249.6	250.7
32.5°	240.5	236.8	243.9	272.6	292.5	302.7	292.5	298.6	292.2	294.8	281.6
35°	260.9	278.6	283.5	297.1	312.2	326.5	323.5	322.3	321.6	326.9	299.3
37.5°	302.7	306.5	309.1	326.5	340.1	358.9	359.7	355.5	362.7	347.6	323.8
40°	330.2	336.3	339.7	351.4	378.9	394.0	405.3	397.0	407.2	377.0	360.0
42.5°	371.3	368.7	374.7	392.8	426.8	435.8	451.6	446.4	461.8	429.4	395.8
45°	425.3	423.0	424.1	435.8	481.8	488.2	504.0	508.2	515.7	475.4	441.1
47.5°	485.9	487.1	487.1	498.8	536.5	549.3	567.4	579.8	577.2	524.4	490.1
50°	554.2	559.5	551.5	567.8	596.0	619.0	629.2	656.0	646.2	592.6	554.6
52.5°	629.6	638.3	631.1	644.7	671.4	700.5	717.4	742.7	725.7	680.9	613.8
55°	704.2	719.3	727.6	742.3	776.6	804.1	811.7	847.5	823.7	779.6	678.6
57.5°	782.6	814.7	844.5	864.5	922.1	954.2	970.4	1048.1	1019.0	972.3	816.2
60°	884.1	981.3	1062.4	1107.2	1183.4	1216.2	1281.0	1363.2	1342.5	1273.5	1062.8
62.5°	1050.3	1223.4	1347.0	1404.7	1422.8	1465.4	1526.1	1603.7	1571.7	1412.6	1192.4
64°	1145.3	1340.6	1466.1	1517.0	1491.4	1538.1	1579.6	1639.2	1585.3	1411.5	1172.5
65°	1185.7	1384.3	1504.6	1552.8	1501.2	1539.7	1574.0	1611.3	1543.8	1374.5	1123.5
67.5°	1195.8	1387.3	1494.8	1523.4	1437.9	1426.6	1432.2	1428.4	1338.0	1183.4	959.5
70°	1042.8	1226.4	1376.8	1413.4	1298.8	1238.1	1235.0	1198.8	1106.9	985.1	790.2
72.5°	805.3	965.5	1114.4	1163.8	1055.6	1007.7	996.4	925.1	848.6	735.9	595.3
75°	545.5	675.2	718.6	721.6	634.9	609.2	592.6	528.2	461.8	413.6	349.1
77.5°	320.4	374.0	334.4	294.4	230.7	163.6	121.8	101.4	110.8	110.5	104.1
80°	271.1	254.5	205.8	159.5	114.6	64.8	47.1	40.0	40.7	41.5	40.7
82.5°	291.4	310.3	263.1	187.0	140.2	82.6	40.0	28.7	32.8	36.2	34.7
85°	246.9	302.7	282.0	202.1	150.4	86.7	28.3	18.8	24.1	29.8	31.7
87.5°	95.8	139.9	113.5	78.0	52.4	29.0	16.6	13.6	17.0	23.8	26.0
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: P157154

CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
2.5°	37.3	38.5	40.3	40.3	39.2	40.3	45.6	52.0	55.8	58.8	62.2
5°	38.8	50.9	59.2	60.3	58.8	42.6	39.6	39.6	41.1	42.6	39.2
7.5°	54.3	51.6	36.2	38.5	38.8	39.2	38.8	40.0	40.3	53.5	61.1
10°	61.8	56.2	54.7	45.6	42.6	59.6	59.6	59.9	62.2	62.6	62.2
12.5°	60.3	57.7	58.1	77.3	83.3	79.5	64.5	59.6	62.2	71.3	79.9
15°	80.7	86.0	91.2	79.9	83.7	81.1	95.4	99.2	81.8	80.7	83.3
17.5°	86.0	103.7	104.4	99.9	112.7	100.7	98.0	99.2	97.6	90.5	102.2
20°	141.8	131.9	122.9	112.7	122.1	118.4	116.1	117.2	116.1	116.5	102.9
22.5°	150.4	146.3	154.2	150.0	141.4	131.9	135.7	133.5	121.0	134.2	124.0
25°	195.7	192.6	175.7	156.5	169.6	150.0	141.0	150.0	147.8	137.6	137.6
27.5°	205.8	205.1	202.1	205.5	180.6	170.0	181.0	154.9	156.5	159.8	159.1
30°	238.3	237.9	212.6	215.6	214.1	195.7	188.5	191.1	173.4	170.4	177.2
32.5°	272.9	250.3	243.5	245.8	228.1	216.0	212.2	197.5	190.8	187.4	176.4
35°	288.0	287.3	281.2	259.8	253.0	230.3	227.0	210.0	203.6	201.3	195.7
37.5°	308.0	307.3	300.8	289.5	273.3	246.6	234.9	223.6	209.2	200.2	207.3
40°	334.8	329.1	322.7	304.2	282.0	257.9	241.3	221.7	212.6	204.0	214.1
42.5°	382.3	357.0	341.2	317.8	288.0	259.0	240.5	221.7	204.3	201.7	203.2
45°	424.1	383.8	356.6	326.5	290.7	256.7	233.4	211.9	199.8	189.6	189.3
47.5°	460.7	414.3	371.0	333.3	289.2	250.7	222.8	199.8	184.7	174.9	170.4
50°	495.0	446.4	385.7	335.5	282.7	239.0	207.7	183.2	164.4	153.4	152.3
52.5°	529.3	469.0	398.1	332.1	270.3	221.3	185.9	159.8	139.5	130.4	128.6
55°	577.9	481.8	404.5	320.1	250.7	197.2	159.8	132.3	112.0	107.4	104.8
57.5°	680.1	523.6	410.9	301.2	221.7	165.9	129.3	105.6	90.5	86.0	83.7
60°	844.5	603.6	425.6	272.6	182.1	130.8	98.8	79.2	69.0	66.4	65.2
62.5°	921.8	624.7	403.0	229.2	139.5	93.1	69.4	55.8	50.5	49.8	50.5
64°	897.3	588.9	359.3	195.7	111.2	72.0	53.5	44.5	41.5	41.1	42.6
65°	853.9	548.2	326.1	172.7	92.4	59.6	44.9	38.5	36.2	36.9	38.1
67.5°	705.4	423.7	220.9	103.3	53.5	36.6	30.5	27.5	27.9	28.7	30.2
70°	550.8	283.9	120.3	53.5	32.0	24.9	23.0	21.9	22.6	23.8	25.3
72.5°	377.8	158.7	57.3	30.5	23.8	20.0	19.6	19.2	20.0	21.1	22.6
75°	197.9	66.4	32.4	24.1	20.7	18.1	18.5	18.1	18.8	20.0	21.1
77.5°	62.6	35.8	27.1	22.2	19.6	17.0	17.3	17.7	18.5	19.2	20.0
80°	33.9	29.8	24.5	20.7	18.5	15.8	16.6	17.0	18.1	18.5	18.5
82.5°	30.9	26.0	21.5	18.8	17.7	15.5	17.0	17.0	17.0	17.0	17.0
85°	27.1	21.1	17.7	16.6	16.6	14.7	15.8	15.8	15.1	15.1	14.3
87.5°	21.1	15.5	15.1	16.6	15.5	10.6	13.6	12.8	11.7	11.7	11.3
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: P157154

CATALOG NUMBER: UTLD-F01-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	37.3	37.3	37.3	37.3
2.5°	61.8	62.2	60.7	60.7
5°	38.8	39.2	38.8	38.8
7.5°	63.3	62.6	64.8	62.6
10°	63.7	61.8	61.5	61.8
12.5°	82.9	82.9	83.3	83.3
15°	82.9	82.6	83.3	82.9
17.5°	104.1	104.8	105.2	104.8
20°	105.2	105.6	108.6	106.3
22.5°	124.8	127.0	127.0	126.7
25°	130.1	146.7	150.0	149.7
27.5°	149.3	151.2	151.6	151.2
30°	170.0	170.8	172.7	171.9
32.5°	179.1	191.1	193.4	192.6
35°	194.2	190.8	198.7	206.6
37.5°	203.2	202.1	204.0	203.6
40°	211.5	213.4	215.6	213.8
42.5°	203.6	202.4	203.6	202.8
45°	187.4	187.7	187.0	186.2
47.5°	167.0	167.0	166.3	166.3
50°	145.5	146.3	143.3	143.6
52.5°	122.9	123.7	121.4	119.1
55°	101.8	102.2	99.2	98.4
57.5°	82.2	83.3	80.7	79.5
60°	65.2	65.6	64.8	64.8
62.5°	51.6	50.9	50.1	50.5
64°	43.7	44.1	43.0	43.7
65°	39.2	40.0	39.2	40.0
67.5°	31.3	32.4	32.0	32.4
70°	26.8	27.1	26.8	26.8
72.5°	23.8	24.1	23.4	23.0
75°	22.2	21.9	21.5	21.1
77.5°	20.4	20.4	19.6	19.2
80°	18.1	17.7	17.0	16.2
82.5°	16.6	15.8	13.9	12.8
85°	13.9	12.8	10.6	8.3
87.5°	11.3	10.2	6.4	3.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)