

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: P157184

Luminaire Tested: **UTLD-F01-LED-E-U-T4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157184
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)
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-T4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1988.2 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - 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

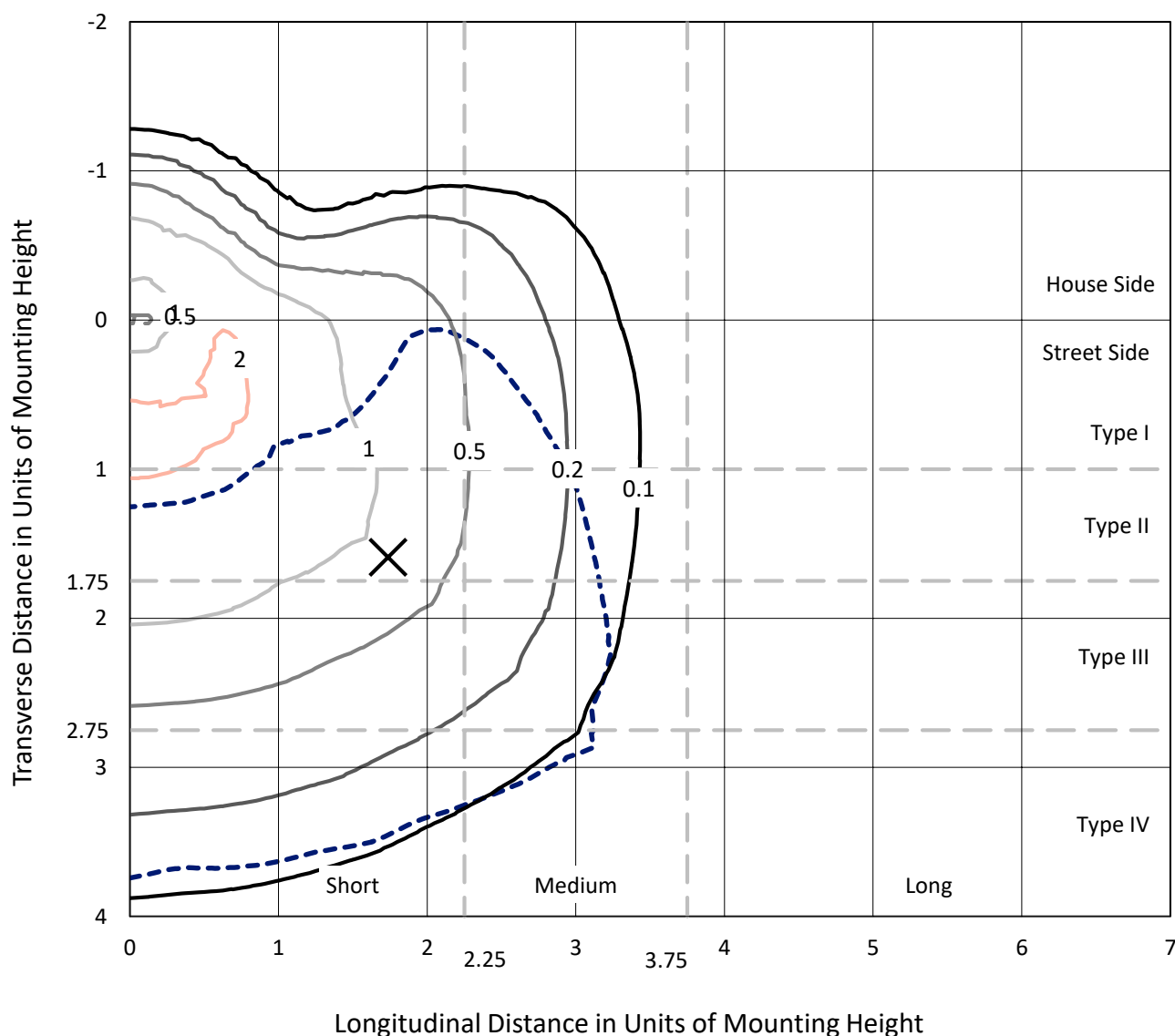


REPORT NUMBER: P157184

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

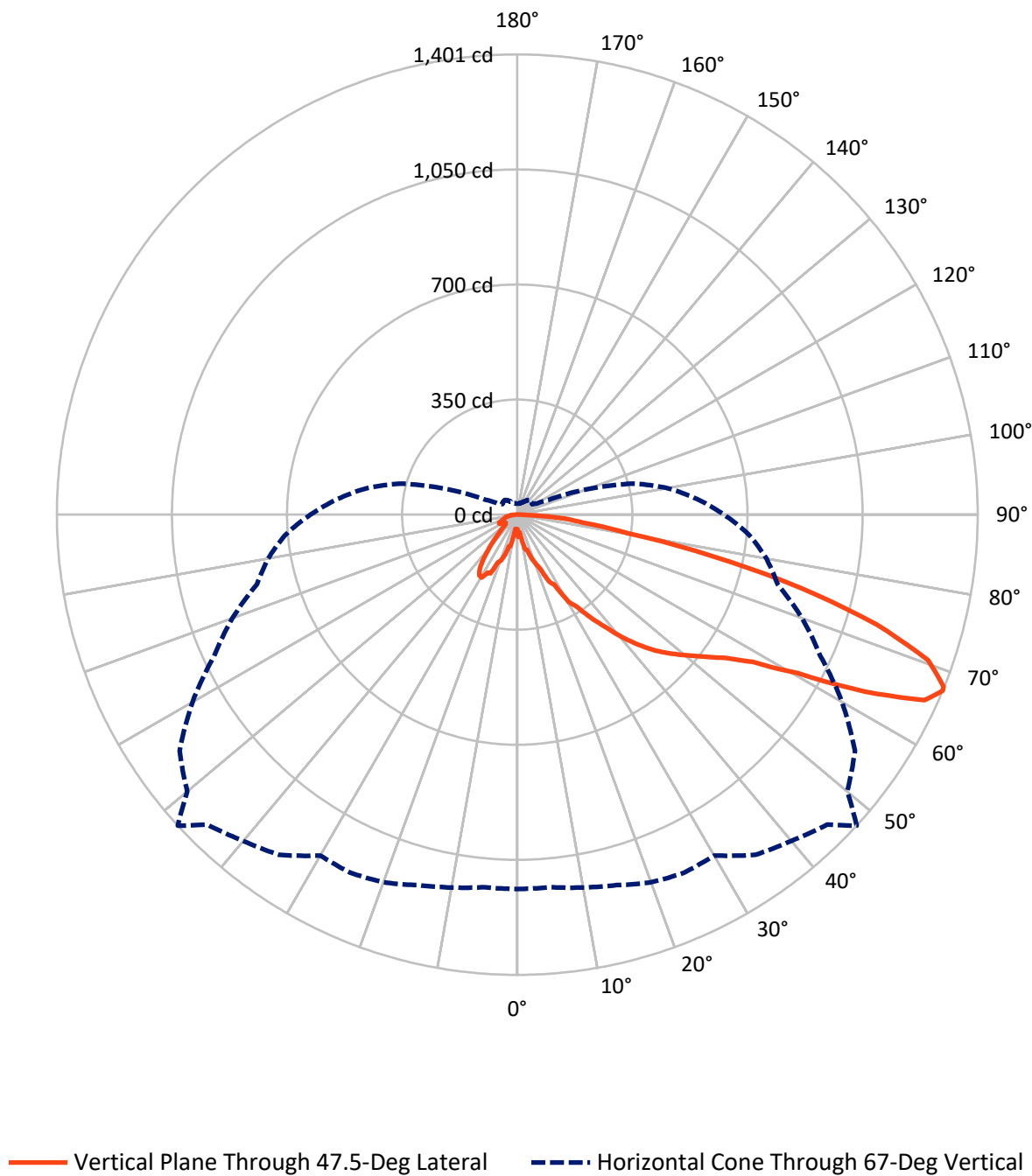


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P157184

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P157184

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

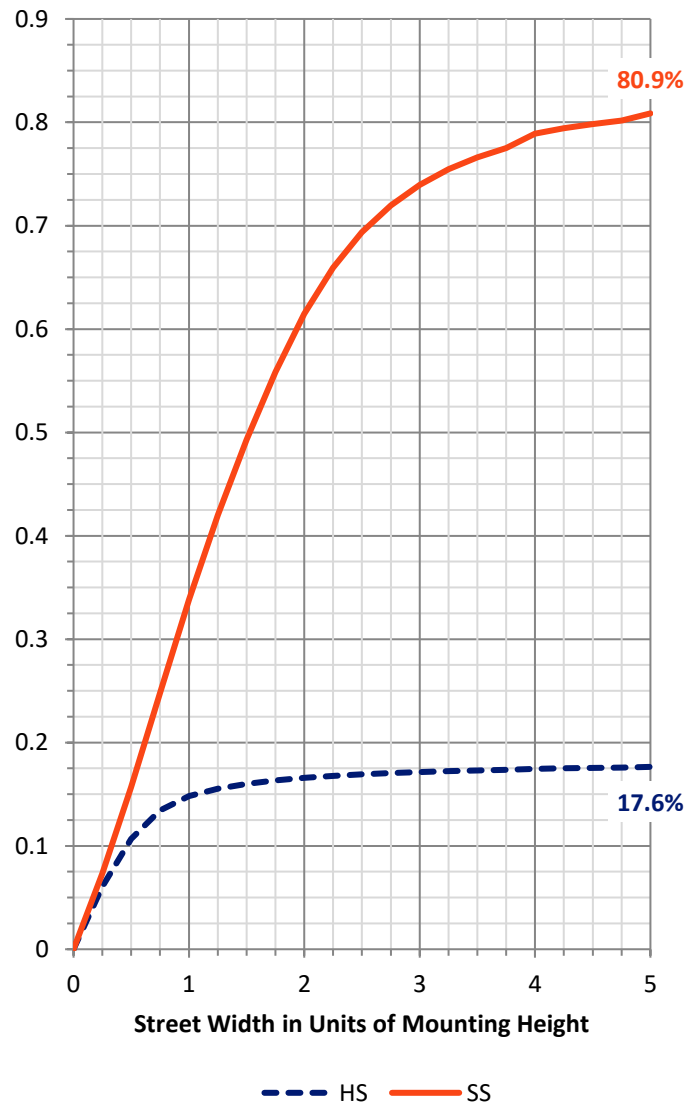
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	356.9	0.0	356.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	1631.4	0.0	1631.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	1988.2	0.0	1988.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.3
10°-20°	32.6	1.6
20°-30°	96.1	4.8
30°-40°	188.9	9.5
40°-50°	263.8	13.3
50°-60°	367.8	18.5
60°-70°	589.4	29.6
70°-80°	378.1	19.0
80°-90°	65.8	3.3
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°	1988.2	100.0
0°-180°	1988.2	100.0

Coefficient of Utilization



REPORT NUMBER: P157184

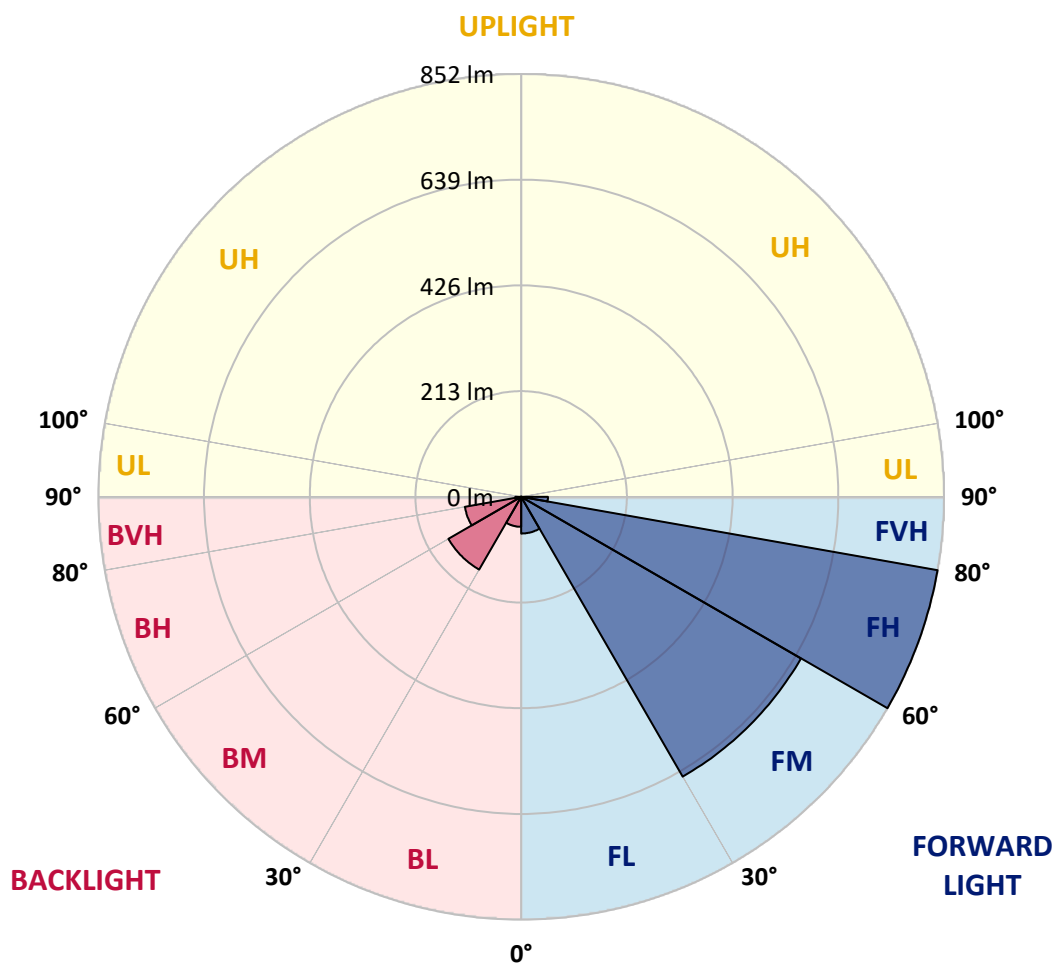
CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.1	3.7			
FM	(30°-60°)	651.2	32.8			
FH	(60°-80°)	852.2	42.9			G1/1800
FVH	(80°-90°)	53.9	2.7			G1/100
BL	(0°-30°)	60.4	3.0	B0/110		
BM	(30°-60°)	169.3	8.5	B0/220		
BH	(60°-80°)	115.2	5.8	B1/500		G1/500
BVH	(80°-90°)	11.9	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





REPORT NUMBER: P157184

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	68.6	69.0	68.6	69.0	69.0	68.6	68.6	68.6	69.7	66.4	67.9
5°	54.3	54.7	54.7	54.7	54.7	54.7	55.0	56.2	55.0	55.4	55.4
7.5°	82.9	83.7	83.7	82.9	83.3	83.3	82.9	59.2	57.3	56.2	55.0
10°	84.8	85.6	85.6	84.1	84.4	84.8	84.8	84.4	83.7	81.1	80.7
12.5°	115.0	115.4	115.0	114.6	113.9	110.1	101.0	87.8	83.7	105.9	107.8
15°	123.3	122.9	122.1	120.3	119.1	117.2	115.0	133.8	131.6	113.9	111.6
17.5°	156.5	156.5	155.7	155.3	150.4	148.9	144.4	141.8	139.1	135.3	137.6
20°	189.6	187.7	171.2	162.1	156.5	173.4	173.0	168.1	172.3	158.3	158.0
22.5°	201.7	200.6	199.1	194.2	192.6	204.3	193.0	189.6	193.4	178.7	178.3
25°	248.8	248.4	241.7	237.9	226.2	220.2	224.3	221.3	210.7	210.4	225.8
27.5°	269.2	266.5	261.6	255.2	266.9	262.0	262.8	237.1	257.1	246.9	242.8
30°	321.6	322.7	314.0	317.1	314.4	291.0	283.5	290.7	289.5	281.6	306.9
32.5°	387.2	386.8	377.4	360.4	337.4	332.9	337.4	331.0	328.7	327.2	334.8
35°	459.6	454.3	421.9	413.9	401.1	391.7	387.9	371.7	378.5	360.0	385.3
37.5°	494.6	495.4	482.9	482.9	469.4	455.4	438.1	440.0	425.3	413.9	431.7
40°	546.6	548.5	536.8	530.4	524.4	502.5	490.8	482.2	481.8	471.6	489.7
42.5°	571.9	574.9	564.4	561.0	565.1	550.8	531.9	531.6	533.8	519.9	541.0
45°	597.9	601.7	590.8	595.3	590.8	588.5	563.2	576.1	582.5	567.0	590.0
47.5°	628.5	633.4	629.2	626.6	622.0	622.0	603.6	612.2	621.7	608.5	632.6
50°	666.5	669.9	665.4	664.3	657.5	656.4	644.3	650.3	657.9	644.3	672.9
52.5°	717.0	717.8	714.8	708.0	697.8	700.1	692.9	693.3	696.3	687.3	718.9
55°	780.8	781.5	781.1	765.3	774.7	757.4	745.7	748.0	746.5	739.3	769.5
57.5°	860.3	865.2	867.5	853.5	862.2	830.1	823.4	819.2	824.5	808.3	845.2
60°	987.0	994.5	990.7	988.5	981.7	951.9	943.2	955.3	949.7	935.3	979.4
62.5°	1149.5	1147.6	1157.0	1155.5	1157.4	1127.6	1107.2	1136.6	1146.4	1152.1	1185.7
65°	1191.3	1191.7	1203.8	1206.8	1221.5	1218.5	1204.5	1255.8	1272.4	1296.1	1361.3
67°	1139.3	1137.8	1152.1	1167.2	1190.6	1202.2	1197.7	1263.7	1296.1	1333.8	1400.5
67.5°	1123.1	1120.1	1135.5	1155.1	1179.2	1193.6	1190.2	1258.4	1292.3	1333.4	1398.7
70°	1017.1	1006.6	1026.2	1052.6	1074.4	1107.2	1108.7	1173.6	1220.7	1264.8	1325.5
72.5°	881.4	867.5	885.2	905.2	921.4	959.5	961.7	1003.9	1052.2	1088.0	1144.2
75°	699.7	681.6	698.2	708.0	714.0	744.9	747.6	784.5	820.0	847.5	890.8
77.5°	432.8	420.7	434.3	450.5	470.9	484.4	492.0	514.6	553.4	584.3	607.7
80°	216.8	225.4	239.8	261.6	278.6	302.4	312.2	313.7	329.9	327.6	342.3
82.5°	150.8	160.2	180.6	194.5	199.8	207.3	219.4	215.6	204.7	202.8	201.3
85°	38.5	59.9	110.1	133.5	138.7	146.7	157.6	164.0	147.0	133.1	135.7
87.5°	10.6	12.8	37.7	55.8	60.3	44.5	57.7	69.0	44.9	29.8	31.3
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: P157184

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	61.1	54.3	51.3	46.7	45.6	45.2	44.5	44.5	44.1	44.1	44.1
5°	56.5	62.6	67.9	69.4	66.4	49.4	47.9	45.2	44.9	44.9	45.2
7.5°	55.4	56.2	56.5	54.3	63.3	63.7	46.0	45.2	45.2	45.2	45.6
10°	80.7	59.9	75.4	78.0	79.9	93.1	92.0	69.7	67.1	68.6	70.9
12.5°	108.6	111.6	99.5	80.7	82.6	83.3	93.5	72.4	68.2	70.9	85.6
15°	111.2	110.8	116.1	130.1	113.1	109.7	116.9	100.3	99.5	93.5	109.3
17.5°	157.6	135.0	131.2	132.3	121.0	115.7	107.4	116.5	105.6	102.5	100.3
20°	163.6	150.0	143.3	167.0	181.7	166.3	158.0	160.6	151.2	145.5	144.4
22.5°	177.9	193.8	200.2	185.1	185.1	182.8	199.4	187.4	182.1	176.1	173.4
25°	231.9	206.2	226.2	242.4	234.5	228.5	216.0	220.2	203.2	202.8	195.3
27.5°	253.7	268.8	261.6	263.1	250.7	269.9	261.6	252.6	236.8	233.7	237.5
30°	309.9	294.4	301.2	306.5	300.8	299.7	291.0	278.2	266.9	258.6	257.5
32.5°	332.9	343.4	340.4	334.0	352.9	358.5	353.2	323.1	312.9	291.4	291.4
35°	378.5	373.2	399.6	393.2	385.7	378.5	373.6	352.9	330.6	308.0	302.0
37.5°	428.6	434.3	433.5	421.1	408.3	395.1	389.8	369.8	345.0	324.6	297.5
40°	480.3	469.7	464.5	453.5	430.2	418.5	410.5	399.2	361.2	338.2	298.6
42.5°	528.5	521.4	496.5	480.3	463.3	446.4	424.1	415.1	376.6	347.2	294.8
45°	573.0	560.6	533.8	513.1	485.2	471.6	440.3	423.4	393.6	348.0	284.6
47.5°	610.4	597.5	570.4	535.3	509.7	490.1	460.7	446.0	409.8	356.6	284.6
50°	646.5	631.8	602.4	553.1	530.1	497.3	481.4	460.7	430.2	369.5	293.3
52.5°	686.1	668.4	633.4	577.2	550.8	518.7	501.8	484.4	456.5	387.2	307.6
55°	735.1	714.0	668.4	614.1	576.4	547.4	531.2	513.1	484.1	407.5	325.3
57.5°	805.6	775.9	721.9	672.2	626.2	601.3	578.3	553.4	528.2	443.3	354.4
60°	926.3	893.9	824.5	779.6	729.5	696.3	659.7	640.1	601.3	511.6	402.3
62.5°	1126.8	1085.4	1019.8	935.3	863.7	796.2	758.1	729.9	672.2	571.5	463.7
65°	1275.8	1218.1	1130.2	1021.3	935.3	834.7	797.7	739.7	670.7	575.7	481.4
67°	1310.1	1253.9	1140.8	1017.1	922.1	820.0	769.5	708.4	628.8	548.2	464.5
67.5°	1309.3	1254.3	1135.1	1010.0	914.6	812.4	758.1	695.9	614.9	539.5	459.2
70°	1234.3	1189.8	1061.2	935.0	835.4	740.8	669.5	611.1	534.2	474.3	404.5
72.5°	1050.7	1023.5	905.5	790.9	699.0	619.8	565.5	507.4	438.1	391.7	341.2
75°	820.3	781.9	667.7	578.3	504.0	451.3	407.9	355.9	301.2	274.5	255.2
77.5°	546.6	508.9	402.3	314.4	261.6	217.2	184.0	147.0	114.2	117.2	126.3
80°	297.1	266.9	192.3	138.7	113.1	91.6	76.9	58.8	43.0	51.6	58.8
82.5°	180.6	158.3	122.9	96.1	78.8	66.7	54.3	40.3	30.9	35.1	42.6
85°	125.5	110.8	87.8	69.0	56.2	44.9	35.1	26.0	24.5	26.8	30.5
87.5°	41.8	52.0	39.6	32.0	30.9	27.9	23.4	18.8	14.7	18.5	23.8
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: P157184

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
2.5°	44.5	44.9	46.7	47.9	47.9	46.7	54.3	53.5	65.2	66.0	69.0
5°	48.3	48.6	63.3	68.6	69.0	59.6	46.4	44.5	43.7	43.4	44.5
7.5°	54.7	63.7	57.7	41.5	43.0	43.0	43.7	43.4	43.7	51.6	70.9
10°	91.6	68.6	64.8	55.4	44.9	48.3	69.7	70.1	71.3	74.3	74.6
12.5°	80.7	70.5	66.4	66.7	92.0	98.8	95.4	72.8	73.9	75.8	88.6
15°	93.5	92.4	97.6	96.5	93.9	99.9	98.8	118.0	121.4	103.7	104.1
17.5°	95.8	96.5	118.8	121.8	119.5	130.8	123.7	122.1	124.8	122.9	116.9
20°	144.4	160.6	155.7	131.2	135.3	150.0	146.3	125.5	143.6	145.1	134.6
22.5°	151.2	165.5	170.0	184.0	183.2	153.8	158.3	165.5	150.4	143.6	156.8
25°	202.8	216.8	223.9	204.0	184.7	200.9	192.3	164.7	171.5	160.2	160.2
27.5°	252.2	231.9	238.6	229.6	235.6	202.8	193.0	204.3	170.0	173.0	176.4
30°	263.1	258.2	263.1	252.2	236.4	230.7	209.6	200.2	202.8	177.6	175.3
32.5°	281.6	272.9	263.9	244.3	242.0	225.1	210.4	206.6	187.7	178.3	176.8
35°	279.4	259.4	253.0	240.5	222.8	209.2	194.9	184.4	170.4	167.8	165.9
37.5°	272.2	241.3	223.6	211.5	196.4	183.6	163.2	156.1	151.2	146.3	144.0
40°	261.3	222.4	192.6	174.2	158.7	145.1	131.9	125.2	121.8	123.7	125.9
42.5°	242.0	200.6	159.5	138.4	122.1	111.2	102.5	99.5	98.4	100.3	104.1
45°	227.0	173.0	128.6	104.4	90.9	83.7	77.7	75.4	76.9	78.4	80.3
47.5°	220.2	151.9	102.9	78.8	68.2	64.5	60.7	58.8	59.6	60.7	62.2
50°	218.3	139.9	86.0	62.2	55.0	51.3	48.6	47.9	48.3	47.9	48.6
52.5°	218.7	139.9	78.0	54.7	48.3	45.2	43.0	42.2	41.1	40.7	41.1
55°	226.6	143.6	76.2	53.2	47.1	43.7	41.5	41.1	39.6	38.5	38.1
57.5°	250.7	157.2	80.7	56.2	49.0	46.0	43.7	43.4	41.8	40.0	39.2
60°	298.6	187.0	92.7	63.0	53.9	51.3	49.8	49.4	47.1	44.5	42.2
62.5°	348.7	219.8	107.4	70.1	59.6	58.8	59.2	58.4	55.4	49.8	45.6
65°	371.0	232.6	113.1	70.9	59.6	61.1	62.2	62.6	57.7	50.9	45.6
67°	364.2	223.6	107.4	66.4	55.8	57.3	57.7	58.1	53.2	47.5	42.6
67.5°	360.8	219.8	105.6	65.6	55.4	56.5	56.2	56.2	51.6	46.7	41.8
70°	325.7	194.2	93.1	60.7	51.6	50.1	47.1	47.1	43.7	41.1	38.5
72.5°	276.3	164.7	81.1	57.7	49.0	44.9	41.5	41.1	38.8	37.7	36.2
75°	211.1	128.2	71.3	54.7	46.4	41.5	37.7	38.1	35.8	35.4	34.7
77.5°	125.5	87.1	61.8	50.9	44.1	39.2	35.1	35.8	33.2	32.8	32.8
80°	62.6	58.1	51.3	44.1	38.5	34.7	30.5	30.5	28.7	28.3	29.4
82.5°	47.1	43.7	38.1	33.6	30.2	26.0	20.4	22.6	22.6	23.4	24.1
85°	35.1	31.3	27.1	23.8	21.9	19.6	15.8	17.3	17.7	19.2	20.0
87.5°	26.4	22.2	18.8	17.3	16.6	15.1	11.7	13.9	14.3	14.3	15.1
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: P157184

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	44.1	44.1	44.1	44.1	44.1
2.5°	69.4	68.6	67.9	67.5	67.5
5°	43.7	42.6	42.6	42.6	42.2
7.5°	72.8	73.9	73.5	73.5	73.1
10°	74.6	74.3	74.6	74.3	74.6
12.5°	101.8	104.8	106.7	107.4	106.7
15°	107.4	107.1	107.4	107.8	107.4
17.5°	129.7	133.1	133.8	133.5	133.5
20°	127.8	130.8	131.2	133.1	131.2
22.5°	150.4	149.7	151.6	150.8	150.0
25°	158.0	151.2	167.8	168.9	167.8
27.5°	175.7	164.4	165.9	165.9	164.4
30°	182.5	177.6	178.7	180.2	179.8
32.5°	168.9	170.8	184.7	187.4	187.0
35°	166.3	168.9	167.0	169.3	176.8
37.5°	156.1	157.6	160.6	163.2	163.6
40°	136.1	142.1	146.7	148.5	150.0
42.5°	108.6	115.0	119.1	121.0	119.5
45°	84.4	88.6	92.0	93.1	92.0
47.5°	64.8	66.4	67.5	67.9	69.0
50°	49.8	49.8	50.1	49.4	49.4
52.5°	41.8	40.7	40.7	40.0	40.0
55°	38.1	37.3	36.9	36.2	36.2
57.5°	38.1	36.6	35.4	34.3	34.3
60°	39.6	36.9	34.7	33.6	33.2
62.5°	41.1	37.7	34.7	33.2	32.8
65°	40.3	37.3	34.7	33.2	32.8
67°	38.8	36.6	34.7	33.2	33.2
67.5°	38.5	36.6	34.7	33.2	32.8
70°	36.9	36.2	34.3	32.8	32.4
72.5°	35.4	34.7	32.8	31.3	30.9
75°	33.9	32.8	31.3	30.2	29.8
77.5°	32.0	30.5	29.0	27.5	26.8
80°	29.0	27.1	25.3	24.1	22.6
82.5°	24.5	24.1	21.9	20.4	18.8
85°	20.4	20.0	18.5	16.6	14.7
87.5°	15.5	15.8	14.7	12.8	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)