

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: P179349

Luminaire Tested: **UTLD-E01-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179349
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-E01-LED-E-U-T3-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1302.3 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

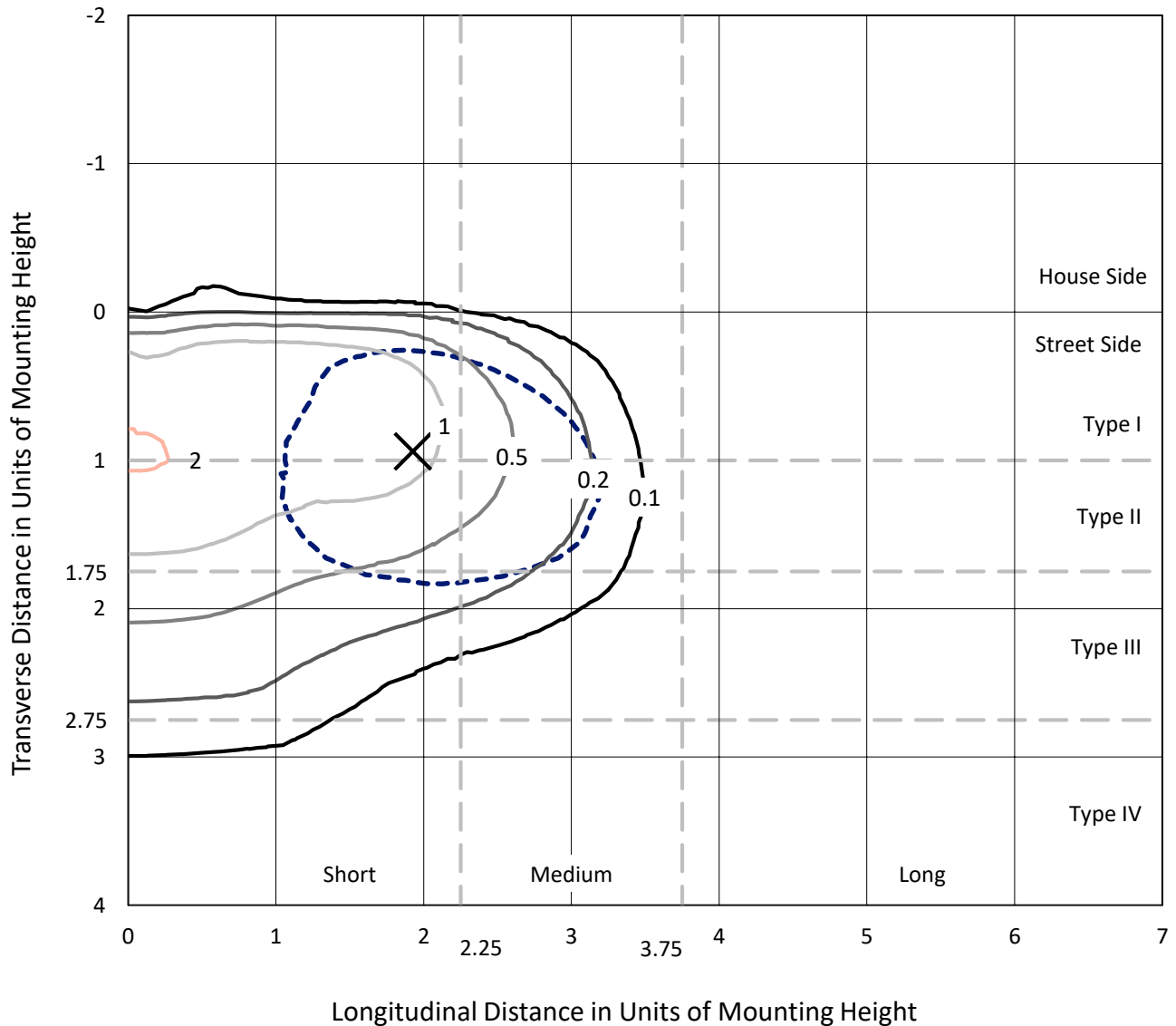
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P179349
 CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

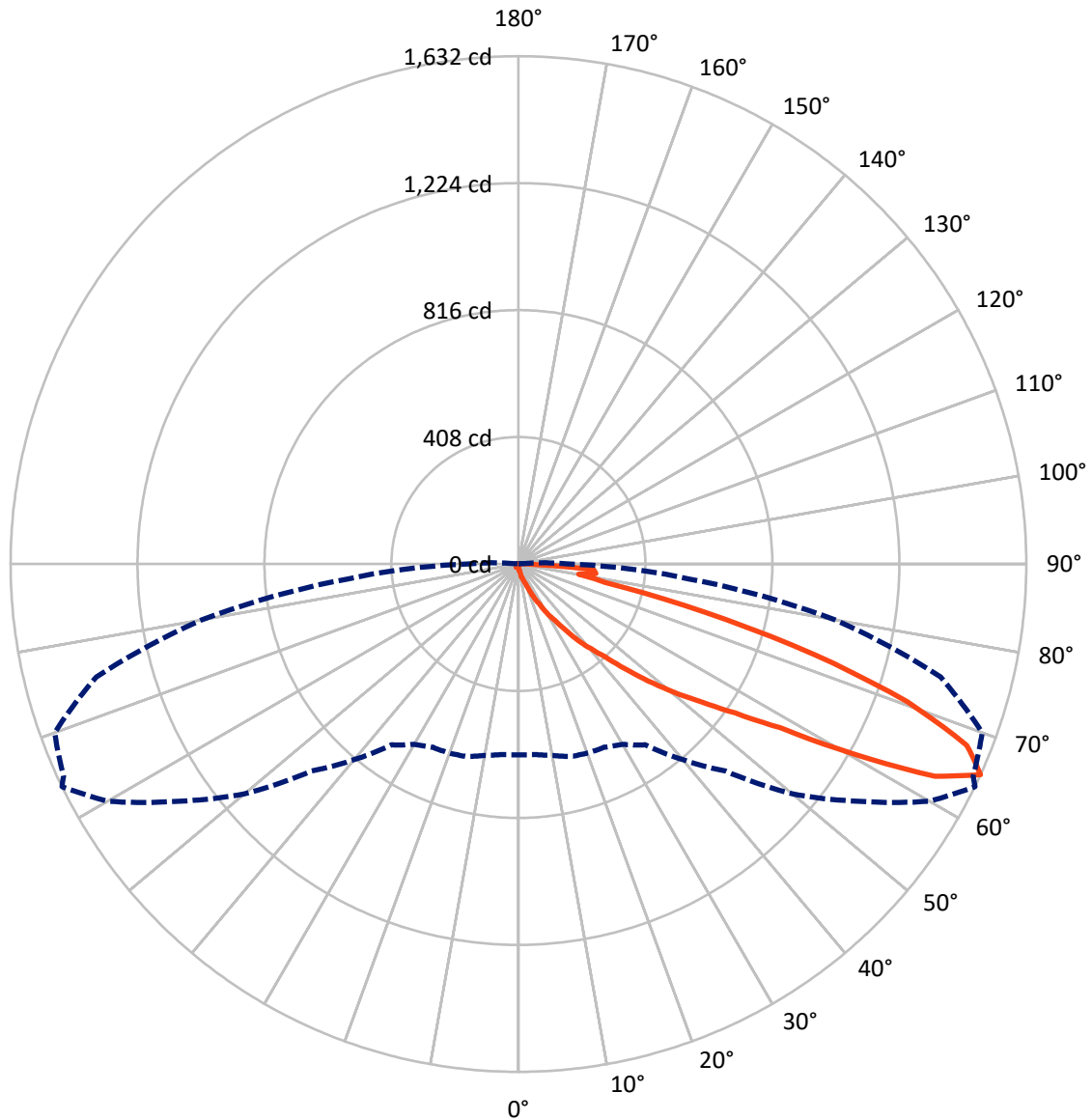
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P179349
CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P179349

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

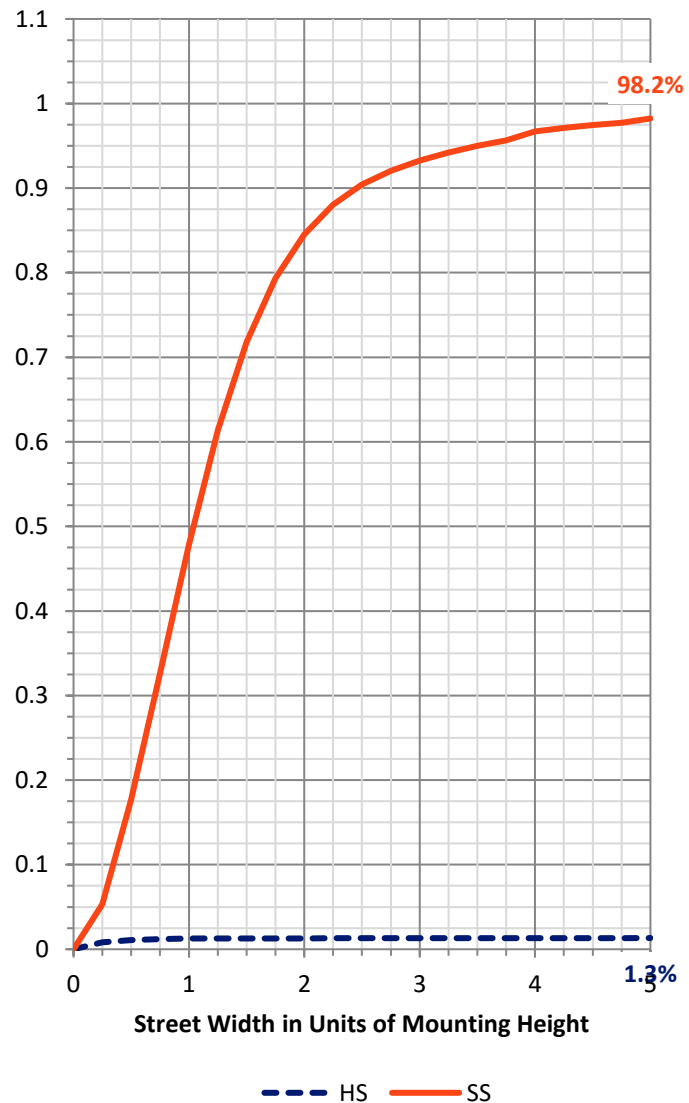
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.8	0.0	17.8
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1284.6	0.0	1284.6
	% Fixture	98.6	0.0	98.6
Total	Lumens	1302.3	0.0	1302.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	11.2	0.9
20°-30°	35.3	2.7
30°-40°	85.7	6.6
40°-50°	181.7	14.0
50°-60°	327.3	25.1
60°-70°	438.2	33.6
70°-80°	189.4	14.5
80°-90°	31.8	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°	1302.3	100.0
0°-180°	1302.3	100.0



REPORT NUMBER: P179349

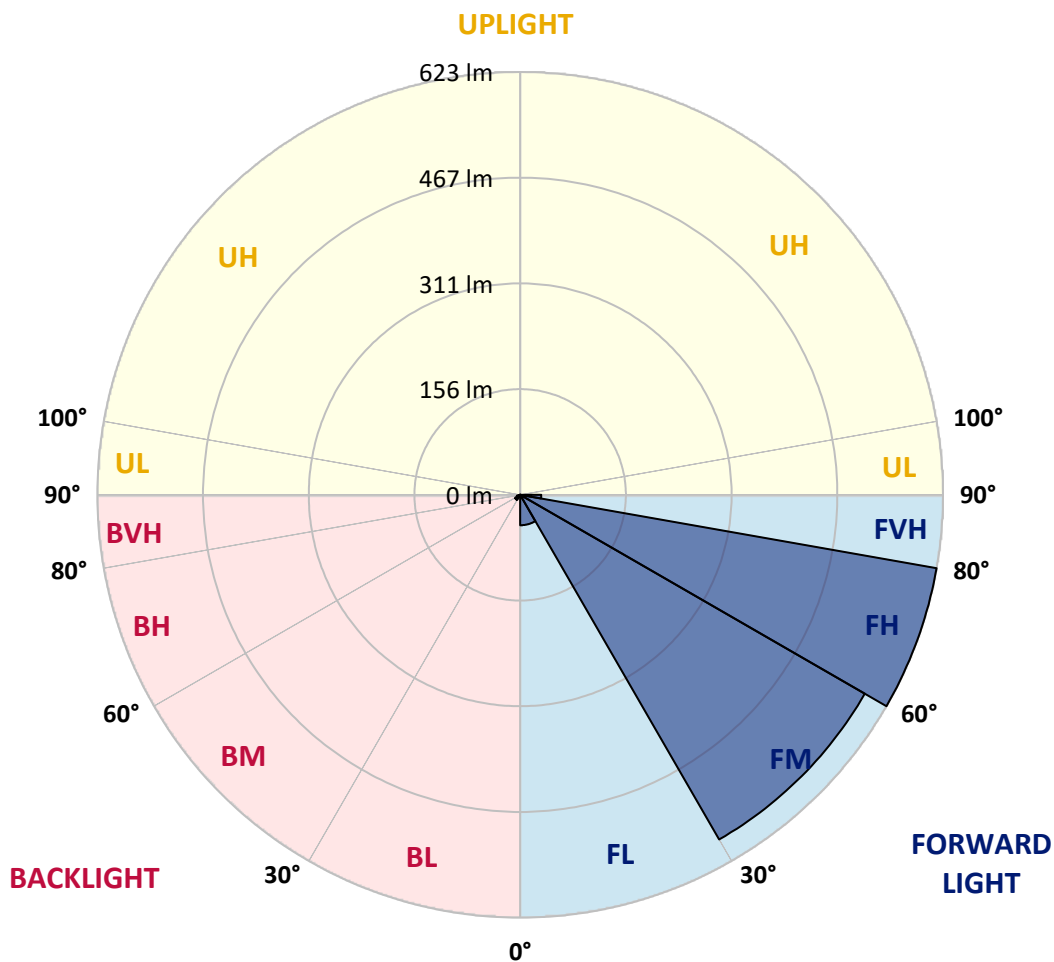
CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	44.8	3.4			
FM	(30°-60°)	586.0	45.0			
FH	(60°-80°)	622.7	47.8			G0/660
FVH	(80°-90°)	31.0	2.4			G1/100
BL	(0°-30°)	3.4	0.3	B0/110		
BM	(30°-60°)	8.7	0.7	B0/220		
BH	(60°-80°)	4.9	0.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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: P179349

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	18.7	18.7	18.3	18.7	18.3	17.8	17.8	17.4	17.4	16.9	16.9
5°	27.4	27.4	26.9	26.0	25.1	24.7	24.2	22.8	22.4	21.9	21.0
7.5°	48.9	48.9	48.0	47.0	46.6	45.7	44.8	42.9	41.1	30.6	26.5
10°	62.6	61.7	60.7	58.9	58.5	56.2	53.9	52.5	50.7	46.1	42.9
12.5°	87.7	87.2	86.3	86.8	84.0	82.2	78.5	75.4	60.3	56.6	55.3
15°	115.5	108.2	101.4	95.0	93.2	91.3	85.9	86.3	90.0	82.2	64.4
17.5°	118.3	118.7	117.8	117.8	115.1	113.7	116.9	101.4	98.6	91.8	86.8
20°	148.9	149.3	148.4	138.8	125.6	121.0	127.9	123.3	123.3	112.3	105.5
22.5°	155.7	157.1	155.7	155.3	152.1	159.8	154.8	133.8	141.6	132.0	127.0
25°	189.1	190.0	189.5	185.4	191.3	168.1	164.4	174.4	164.9	153.4	158.5
27.5°	224.7	223.8	203.2	196.4	199.1	196.4	206.9	190.0	198.7	187.7	179.9
30°	241.6	243.0	241.1	233.4	233.4	240.7	221.9	228.8	222.4	206.0	233.4
32.5°	290.4	292.3	286.8	285.4	264.4	257.1	250.7	257.6	241.6	253.5	260.3
35°	348.0	348.9	340.7	305.5	305.1	296.4	295.0	279.0	287.2	278.1	303.7
37.5°	395.9	393.7	380.4	363.5	364.4	346.6	327.9	329.3	316.0	316.9	341.1
40°	459.4	458.5	448.9	435.2	415.1	392.7	381.3	375.8	365.3	358.0	380.9
42.5°	518.3	524.3	520.2	502.3	472.7	462.6	435.2	424.3	421.1	409.2	427.9
45°	591.4	590.9	590.5	572.7	553.5	532.5	491.8	485.9	480.4	479.1	499.6
47.5°	646.2	646.7	648.5	636.6	623.4	593.7	553.5	552.1	555.3	552.1	578.2
50°	683.2	687.3	694.1	691.4	673.6	653.5	628.4	623.8	627.9	626.1	667.7
52.5°	707.8	712.9	721.1	726.1	706.9	698.3	687.8	681.8	701.5	701.9	749.4
55°	717.4	722.9	731.1	741.2	726.6	728.4	724.3	723.4	754.9	762.2	824.8
57.5°	709.7	714.7	723.8	736.2	732.1	747.1	738.4	742.6	791.4	810.6	891.4
60°	689.1	693.7	703.7	724.3	718.8	736.6	732.5	752.1	815.6	858.1	968.6
62.5°	654.9	660.4	671.3	690.9	693.7	709.2	713.3	746.7	832.1	906.0	1071.8
65°	612.9	614.2	624.3	640.3	646.7	649.8	668.6	709.2	819.7	939.8	1149.0
67.5°	549.4	552.6	559.0	568.6	573.6	556.7	572.2	614.2	725.2	869.1	1091.9
70°	389.5	389.1	403.2	444.3	456.7	418.8	417.9	443.9	534.8	672.2	873.6
72.5°	265.8	269.0	275.4	288.2	327.4	315.6	311.5	297.8	333.4	409.6	577.2
75°	202.3	203.7	230.2	251.6	278.1	290.4	298.2	281.8	268.5	256.7	330.6
77.5°	69.0	74.9	87.7	120.1	187.7	228.8	254.4	278.1	294.1	281.8	273.1
80°	15.1	15.5	17.4	23.3	65.8	118.3	148.4	189.5	236.1	262.6	285.4
82.5°	6.4	6.9	8.2	10.0	15.5	43.8	61.7	71.2	96.4	127.4	207.8
85°	2.3	2.3	2.7	3.7	5.9	11.0	16.4	17.8	27.4	40.2	68.0
87.5°	0.9	0.9	0.9	1.4	1.8	2.7	3.2	3.7	4.6	9.6	22.8
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: P179349

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	16.9	16.4	16.4	16.4	16.0	14.6	13.7	11.9	11.0	10.0	9.6
5°	20.1	18.7	17.8	17.8	16.4	16.0	15.5	13.2	10.5	9.1	8.2
7.5°	24.2	22.4	21.0	20.6	18.7	16.4	15.5	14.2	10.5	8.7	7.8
10°	40.6	28.8	26.5	25.6	22.8	20.1	18.3	17.4	12.8	10.0	9.1
12.5°	51.6	45.7	41.1	36.1	26.9	24.2	20.6	17.4	13.2	10.0	8.2
15°	59.8	53.4	47.0	46.6	38.4	31.1	25.1	21.9	15.5	12.8	10.5
17.5°	86.3	66.7	58.0	57.5	48.9	34.3	28.8	21.5	16.9	12.3	10.0
20°	98.2	83.6	69.9	72.2	63.5	50.2	36.5	27.9	20.1	16.4	13.2
22.5°	126.0	113.3	97.7	87.7	73.5	59.4	40.2	31.1	22.8	16.9	13.7
25°	146.1	129.7	123.8	122.4	101.4	79.9	53.4	36.5	25.6	18.7	16.4
27.5°	180.8	168.5	148.4	146.1	115.5	87.7	67.1	43.4	28.3	20.6	17.4
30°	203.7	194.5	187.7	182.7	144.8	105.5	76.3	49.3	30.6	21.5	17.8
32.5°	248.4	231.1	216.0	208.2	183.6	133.3	92.2	56.6	33.3	22.8	19.6
35°	285.0	283.1	261.2	259.4	223.8	170.3	112.3	66.2	34.7	23.3	19.2
37.5°	332.9	322.4	311.9	306.4	273.1	209.2	137.5	81.3	40.6	24.2	19.2
40°	371.3	360.8	356.7	351.6	307.8	247.1	169.9	88.6	41.6	24.7	18.7
42.5°	420.1	403.7	407.4	401.9	355.3	297.8	202.3	105.9	44.8	24.7	17.8
45°	482.2	473.6	477.7	468.5	422.4	362.6	236.1	123.3	49.3	24.2	16.4
47.5°	561.7	556.7	561.3	545.3	510.1	448.0	306.9	154.8	55.3	23.7	15.5
50°	646.2	653.5	647.1	632.0	617.0	539.3	389.5	193.6	63.9	22.8	14.6
52.5°	745.3	746.2	734.8	734.3	734.8	658.5	475.9	240.2	74.9	21.9	13.7
55°	839.4	850.8	844.8	851.7	862.2	809.7	581.8	293.6	90.0	20.6	12.8
57.5°	935.7	976.4	992.8	1014.3	1034.4	1005.6	724.7	371.3	108.2	19.2	11.9
60°	1060.4	1170.9	1241.2	1267.3	1284.2	1225.3	910.2	470.4	134.7	17.8	10.5
62.5°	1221.6	1398.3	1502.0	1532.1	1509.3	1386.0	1017.9	544.4	156.2	16.9	9.1
65°	1328.0	1523.9	1631.7	1612.5	1585.6	1404.3	1033.0	551.2	160.7	15.1	8.2
67.5°	1265.0	1445.8	1553.6	1524.8	1505.2	1312.9	926.1	507.8	149.8	12.8	7.3
70°	1048.1	1231.2	1325.7	1302.0	1316.1	1114.3	757.6	430.2	132.9	11.0	6.4
72.5°	753.1	896.9	993.7	979.1	1017.0	801.0	558.1	338.4	110.5	9.1	5.5
75°	459.9	591.9	615.1	592.8	565.8	408.7	269.4	184.0	71.2	6.9	4.1
77.5°	281.3	322.9	285.0	288.6	227.4	102.3	50.7	37.9	20.1	5.5	2.7
80°	268.1	242.5	195.9	190.4	131.1	39.7	22.4	16.9	8.7	4.1	2.3
82.5°	279.9	293.6	250.7	232.0	138.8	35.2	18.3	13.7	6.9	3.2	1.8
85°	116.0	261.7	243.0	221.5	128.3	27.4	14.6	10.0	4.6	2.3	1.8
87.5°	45.2	74.9	69.0	61.7	40.6	13.7	11.4	8.2	3.2	1.8	1.8
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: P179349

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	9.1	8.7	8.2	8.2	7.8	7.8	7.3	7.3	7.3	7.3	7.3
5°	7.8	7.3	6.9	6.4	5.9	5.9	6.4	6.9	6.9	7.3	6.9
7.5°	6.9	6.4	5.5	5.9	5.9	5.0	3.7	3.2	3.2	3.7	3.7
10°	7.3	6.4	6.9	4.1	3.2	2.7	3.2	3.2	3.2	4.1	5.0
12.5°	7.3	7.8	5.5	5.0	4.6	4.1	5.0	4.6	4.1	4.6	4.6
15°	9.6	6.9	5.9	5.0	5.5	5.9	5.5	5.0	4.6	4.6	5.0
17.5°	8.2	7.3	6.9	7.8	7.3	5.9	5.5	5.9	5.9	5.5	5.0
20°	11.0	9.6	9.1	7.8	6.9	6.9	6.9	5.9	5.5	5.5	5.9
22.5°	12.3	10.5	10.5	9.6	8.7	6.9	6.9	6.4	6.4	5.9	5.5
25°	14.6	13.7	11.9	9.6	9.1	8.2	7.8	6.4	6.4	5.9	5.9
27.5°	15.5	13.7	11.9	11.0	9.6	7.8	7.8	6.4	5.9	5.9	5.5
30°	16.4	14.2	12.3	11.0	9.6	8.2	7.8	6.4	5.9	5.5	5.5
32.5°	17.4	14.6	11.9	10.5	9.1	7.8	7.3	6.4	5.5	5.0	5.0
35°	16.4	13.7	11.9	10.5	8.7	7.3	6.9	5.9	5.0	5.0	4.6
37.5°	15.5	12.8	11.0	9.6	8.2	6.9	5.9	5.0	4.6	4.1	4.1
40°	14.6	11.9	10.0	8.7	7.3	6.4	5.5	4.1	3.7	3.2	3.2
42.5°	13.2	11.0	9.1	7.8	6.4	5.0	4.6	3.7	2.7	2.3	2.3
45°	12.8	10.0	8.2	6.9	5.5	4.6	3.7	2.7	1.8	1.4	1.4
47.5°	11.9	9.1	7.3	5.9	4.6	3.7	2.7	1.8	1.4	0.9	0.9
50°	11.0	8.7	6.4	5.0	3.7	2.7	1.8	1.4	0.9	0.5	0.5
52.5°	10.0	7.8	5.5	4.1	3.2	2.3	1.4	0.9	0.5	0.5	0.0
55°	9.1	6.4	5.0	3.7	2.3	1.4	0.9	0.5	0.5	0.0	0.0
57.5°	7.8	5.5	4.1	2.7	1.8	0.9	0.5	0.5	0.5	0.0	0.0
60°	6.9	4.6	3.2	2.3	1.4	0.9	0.5	0.5	0.0	0.0	0.0
62.5°	5.9	4.1	2.7	1.8	0.9	0.5	0.5	0.5	0.0	0.0	0.0
65°	5.0	3.2	2.3	1.4	0.9	0.5	0.5	0.5	0.5	0.0	0.0
67.5°	4.6	2.7	1.8	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.0
70°	4.1	2.3	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	3.2	1.8	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5
75°	2.3	1.4	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5
77.5°	1.8	1.4	0.9	0.9	0.9	0.9	0.5	0.9	0.9	0.9	0.9
80°	1.4	0.9	0.9	1.4	1.4	1.4	0.5	0.9	0.9	0.9	0.9
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.5	1.4	1.4	1.4	0.9
85°	1.4	1.4	1.4	1.4	1.8	1.8	0.5	1.8	1.8	1.4	1.4
87.5°	1.8	1.4	1.8	1.8	1.8	2.3	0.5	1.8	1.8	1.8	1.8
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: P179349

CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	11.4	11.4	11.4	11.4	11.4
2.5°	7.3	7.8	7.8	7.8	7.8
5°	6.4	5.9	5.9	5.9	5.9
7.5°	3.7	3.7	4.1	4.1	4.1
10°	5.5	5.5	5.5	5.5	5.5
12.5°	4.6	5.0	5.0	5.0	5.0
15°	5.5	5.5	5.9	5.9	5.9
17.5°	5.0	5.0	5.5	5.5	5.5
20°	5.5	5.9	5.9	5.9	5.9
22.5°	5.0	5.0	5.9	5.9	6.4
25°	5.9	5.5	5.5	5.9	5.5
27.5°	5.5	5.5	5.9	5.9	5.9
30°	5.5	5.0	5.0	5.5	5.5
32.5°	5.0	5.0	5.0	5.0	5.0
35°	4.6	4.6	5.0	5.0	5.0
37.5°	4.1	3.7	4.1	4.1	4.1
40°	3.2	3.2	3.2	3.7	3.7
42.5°	2.3	2.3	2.3	2.3	2.3
45°	1.4	1.4	1.4	1.4	1.4
47.5°	0.9	0.5	0.9	0.9	0.9
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.0	0.5	0.5	0.5	0.5
55°	0.0	0.5	0.5	0.5	0.5
57.5°	0.0	0.0	0.5	0.5	0.5
60°	0.0	0.0	0.5	0.5	0.5
62.5°	0.0	0.0	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.9	0.5	0.5
77.5°	0.9	0.9	0.9	0.9	0.5
80°	0.9	0.9	0.9	0.9	0.5
82.5°	0.9	0.9	1.4	0.9	0.5
85°	1.4	1.4	1.4	1.4	0.5
87.5°	1.4	1.4	1.8	1.8	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)