

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: P179383

Luminaire Tested: **UTLD-F01-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179383
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)
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-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1210.3 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - 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



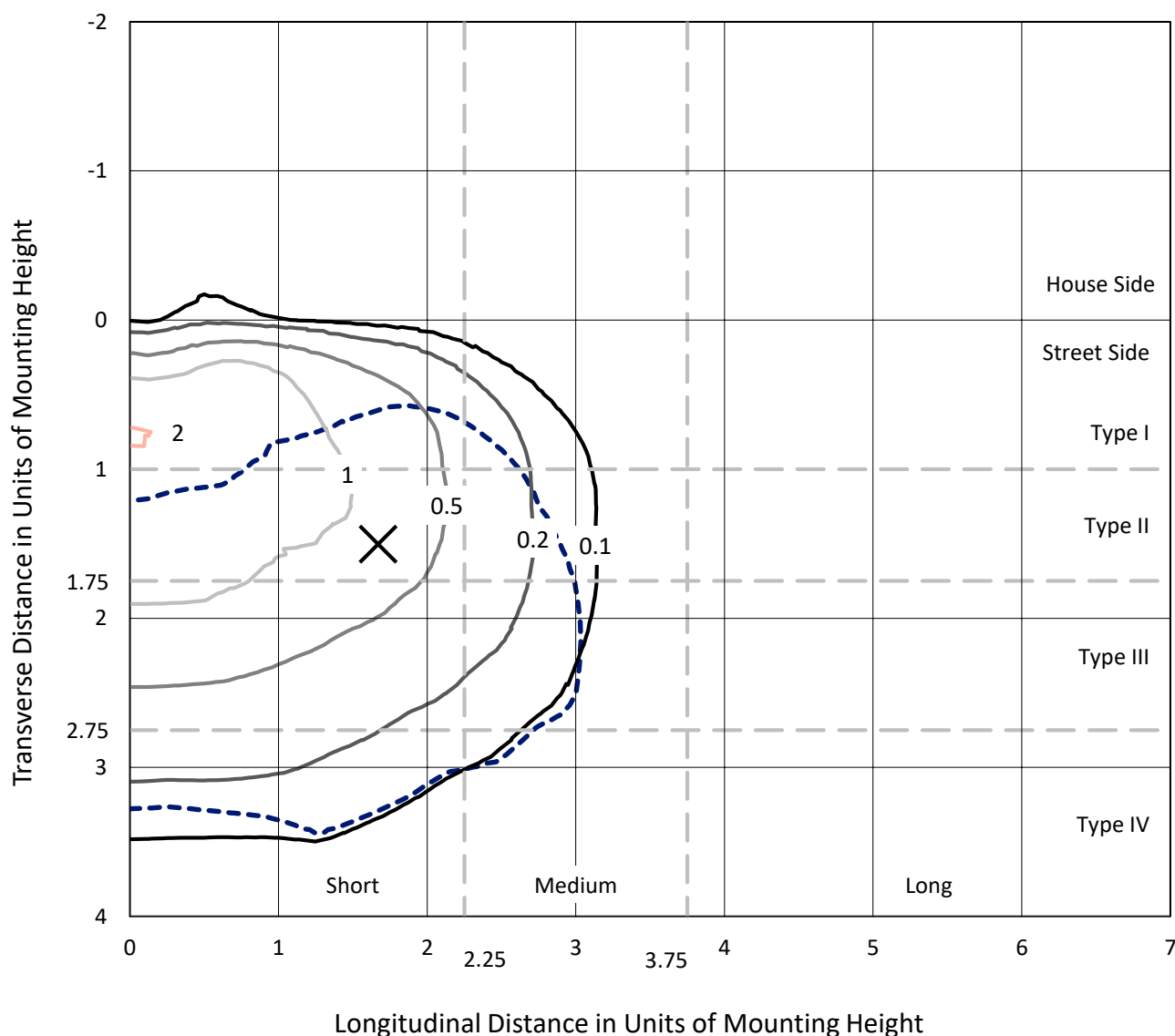
REPORT NUMBER: P179383

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

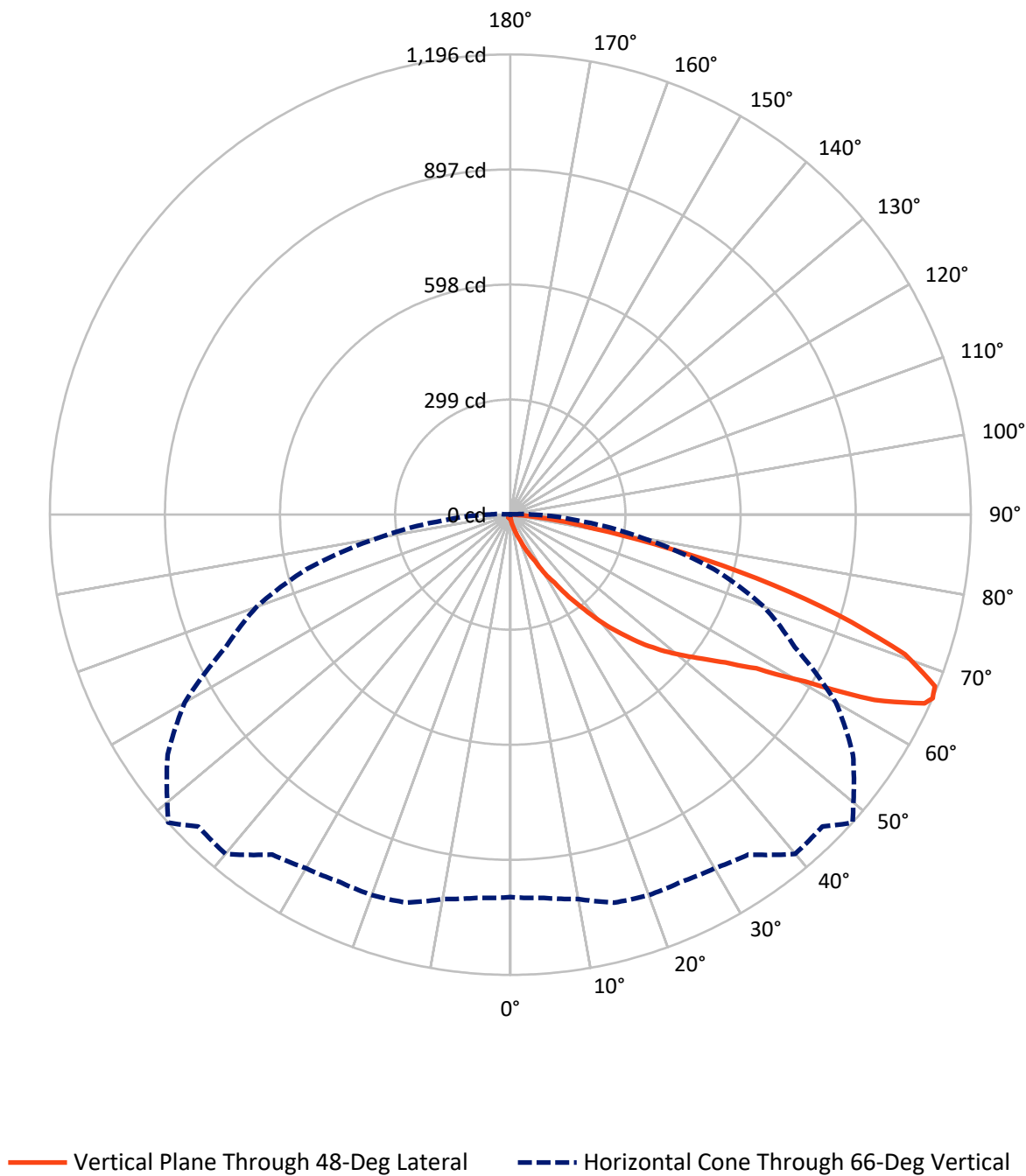


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179383

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P179383

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

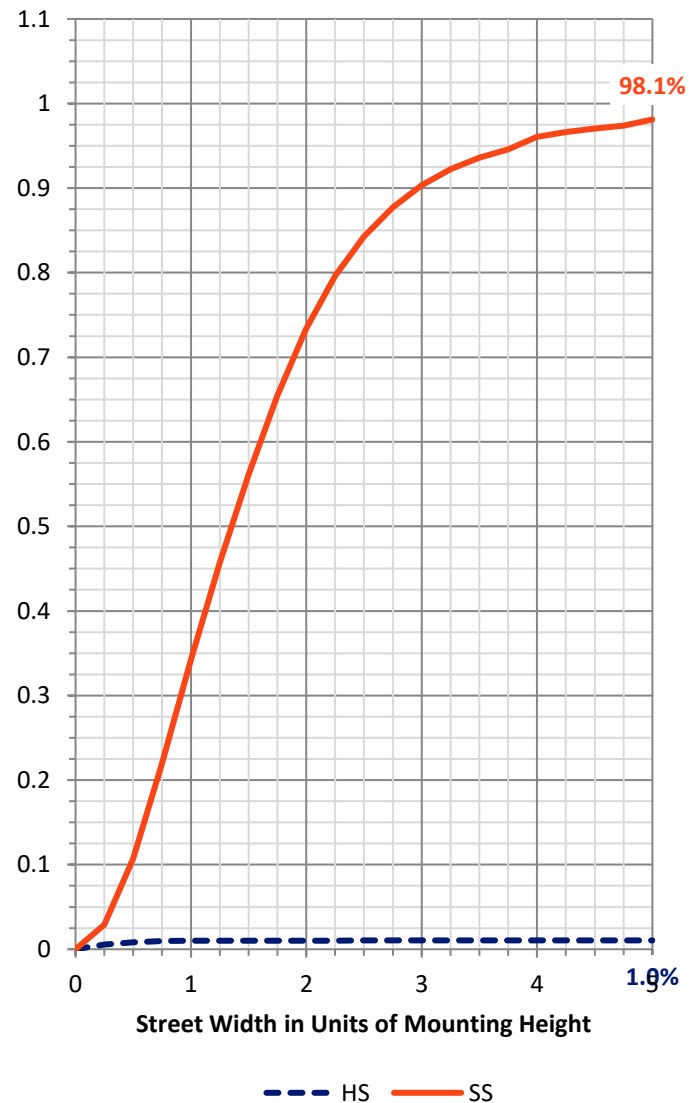
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.9	0.0	12.9
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	1197.4	0.0	1197.4
	% Fixture	98.9	0.0	98.9
Total	Lumens	1210.3	0.0	1210.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	7.5	0.6
20°-30°	28.8	2.4
30°-40°	80.5	6.7
40°-50°	156.3	12.9
50°-60°	256.2	21.2
60°-70°	417.6	34.5
70°-80°	235.3	19.4
80°-90°	26.9	2.2
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°	1210.3	100.0
0°-180°	1210.3	100.0

Coefficient of Utilization



REPORT NUMBER: P179383

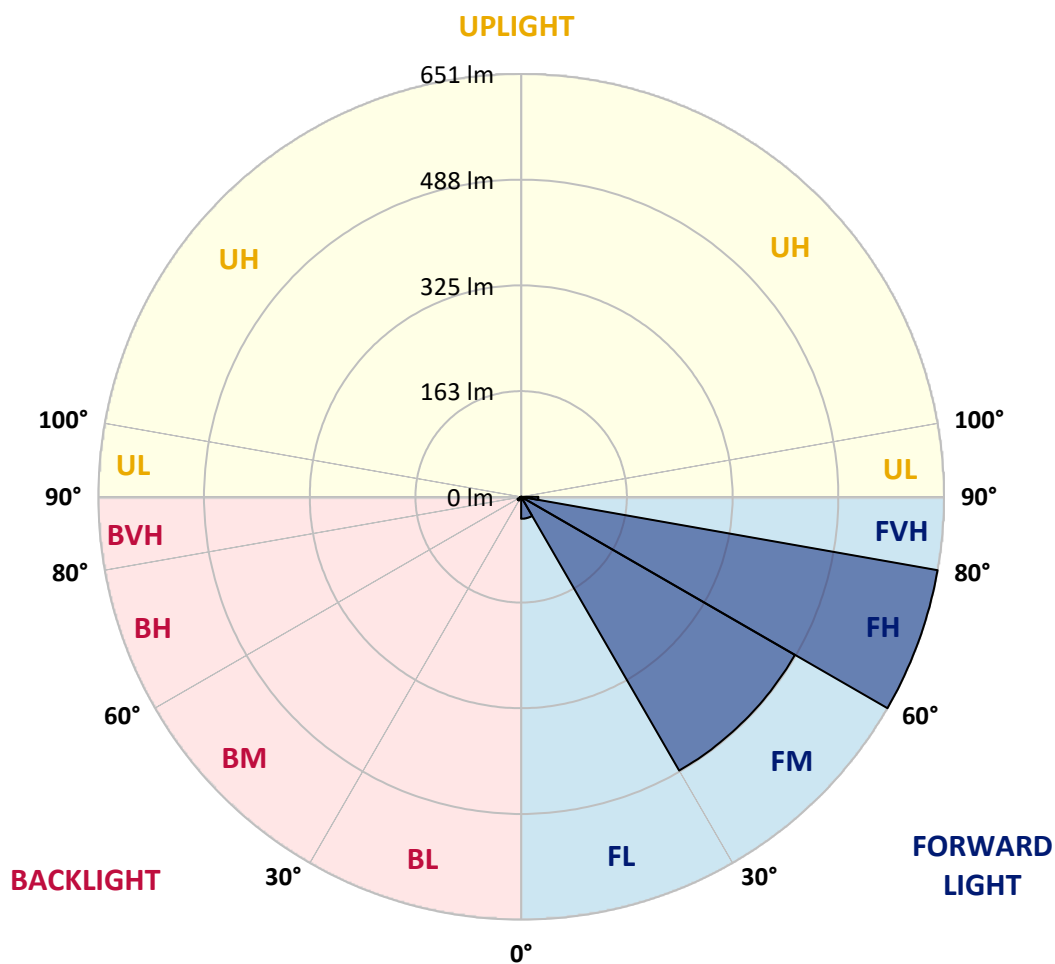
CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	33.9	2.8			
FM	(30°-60°)	486.4	40.2			
FH	(60°-80°)	650.6	53.8			G0/660
FVH	(80°-90°)	26.5	2.2			G1/100
BL	(0°-30°)	3.5	0.3	B0/110		
BM	(30°-60°)	6.7	0.6	B0/220		
BH	(60°-80°)	2.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			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 IV Short





REPORT NUMBER: P179383

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	12.2	12.2	12.2	12.2	11.8	11.5	11.5	11.1	11.1	11.1	11.1
5°	17.8	17.8	16.7	16.4	15.7	15.3	14.6	14.3	13.9	13.2	13.2
7.5°	28.2	27.9	27.9	27.5	27.2	26.5	25.4	24.7	23.7	18.1	16.7
10°	35.9	36.2	35.5	35.2	33.1	32.0	30.7	29.3	28.9	26.5	25.1
12.5°	49.5	49.8	49.1	48.8	47.4	46.3	43.9	42.2	35.2	32.4	32.0
15°	70.7	70.7	67.2	60.3	58.2	55.7	51.9	51.2	51.6	47.0	41.1
17.5°	82.6	82.9	81.9	80.1	78.0	75.6	73.2	64.8	60.3	56.4	54.7
20°	112.5	112.5	110.4	106.9	94.4	89.5	89.2	85.0	81.9	72.1	68.3
22.5°	129.9	131.7	129.2	126.8	122.6	124.0	118.1	100.3	100.7	91.6	88.1
25°	170.7	171.0	167.2	164.4	163.0	142.1	136.6	139.3	128.5	117.1	114.3
27.5°	212.5	214.9	192.0	186.7	186.7	182.2	184.3	164.4	161.6	147.4	136.2
30°	243.9	244.9	241.1	232.0	228.5	227.5	209.4	210.8	193.7	171.7	179.1
32.5°	300.6	302.4	295.1	291.6	266.8	257.4	246.3	246.6	225.7	222.3	210.8
35°	369.6	371.4	362.0	332.3	328.2	314.9	308.7	284.3	280.4	262.3	262.3
37.5°	415.3	409.3	400.6	389.5	391.9	374.5	354.3	350.5	329.6	316.0	312.1
40°	449.4	451.1	450.4	444.9	432.7	416.3	409.7	400.3	383.2	369.6	371.4
42.5°	479.0	482.5	485.3	477.3	467.5	460.5	451.1	445.2	431.3	414.2	422.6
45°	508.6	511.4	517.3	512.4	505.5	504.4	481.8	487.4	476.2	462.6	476.6
47.5°	543.1	545.9	550.4	550.8	550.1	535.4	516.6	525.0	522.6	506.2	525.7
50°	581.8	582.1	590.1	595.7	584.9	573.4	555.3	559.5	563.3	550.8	573.4
52.5°	623.6	628.1	634.0	637.9	622.9	617.3	602.0	601.3	609.3	596.4	620.8
55°	687.0	689.1	691.9	693.3	673.7	675.8	653.5	651.4	663.3	649.4	678.3
57.5°	766.8	772.3	778.3	775.5	755.3	753.5	723.2	713.1	733.7	725.3	753.9
60°	888.0	893.2	897.7	900.9	889.7	883.1	836.4	829.1	863.6	846.5	880.7
62.5°	1014.8	1020.4	1025.6	1047.5	1036.0	1027.7	999.1	999.1	1041.3	1028.7	1061.5
65°	1013.1	1021.1	1032.9	1061.8	1067.1	1063.2	1062.2	1075.4	1140.9	1136.7	1182.7
66°	994.2	999.8	1014.8	1044.1	1052.4	1052.8	1061.5	1078.5	1151.0	1146.5	1196.3
67.5°	950.3	957.3	973.3	1008.2	1016.9	1023.5	1046.1	1059.7	1141.3	1138.5	1189.7
70°	851.1	854.2	869.2	905.4	926.3	922.8	957.0	962.2	1041.3	1051.4	1087.6
72.5°	655.6	651.4	697.1	747.2	781.4	768.2	792.9	794.3	861.5	860.5	889.4
75°	348.7	351.2	379.7	446.6	571.7	575.5	580.4	580.0	634.7	634.4	660.2
77.5°	220.5	226.4	237.2	257.4	320.1	365.8	383.6	376.2	400.3	408.6	421.9
80°	89.2	93.0	105.9	139.0	213.9	231.7	237.2	226.4	231.0	219.8	219.8
82.5°	29.6	30.0	34.1	43.2	109.7	153.3	157.8	133.4	131.3	127.5	127.5
85°	16.0	16.0	16.7	22.6	42.5	82.6	90.6	61.0	59.9	50.9	47.0
87.5°	1.4	1.7	1.4	3.8	6.6	12.5	14.6	15.3	17.4	19.9	16.0
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: P179383

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	11.1	11.1	11.1	11.5	11.5	11.1	10.8	9.8	9.4	8.7	8.0
5°	12.9	12.5	11.8	11.5	11.1	10.8	10.8	10.1	8.7	7.7	6.6
7.5°	16.4	14.6	13.6	12.9	11.8	10.8	10.5	10.5	8.4	7.0	6.3
10°	24.4	23.7	18.1	15.7	14.3	13.2	12.5	12.9	10.5	8.4	8.0
12.5°	31.4	29.6	26.5	20.9	16.4	15.0	13.6	12.2	10.5	8.4	7.3
15°	39.4	35.2	32.0	28.6	23.3	19.2	16.7	15.7	12.9	10.8	9.4
17.5°	53.0	51.6	39.7	34.8	30.0	21.6	18.8	15.3	13.6	10.5	9.4
20°	66.2	61.0	51.9	45.6	39.0	30.3	24.0	20.2	16.4	13.9	12.5
22.5°	84.0	79.1	69.3	54.3	46.3	38.7	27.5	24.0	18.8	15.7	13.9
25°	113.6	97.5	86.0	75.6	63.1	50.9	34.8	26.1	20.9	17.4	15.3
27.5°	136.6	127.2	112.9	96.5	73.9	58.9	43.9	30.0	23.3	19.2	16.4
30°	185.3	154.0	149.1	126.5	96.8	70.0	50.2	34.5	24.4	19.5	16.7
32.5°	215.3	204.8	180.5	155.7	127.2	94.1	63.1	38.3	26.1	19.9	17.8
35°	268.6	243.2	230.3	204.5	165.5	120.5	75.6	45.6	26.1	20.2	17.4
37.5°	323.6	296.8	272.1	245.6	200.0	143.5	91.3	51.6	27.9	19.2	16.4
40°	368.6	342.8	309.0	283.2	228.9	167.6	110.1	55.4	26.8	18.5	15.0
42.5°	419.4	388.8	351.9	324.0	262.3	200.3	125.4	65.1	27.5	17.8	13.6
45°	467.2	434.1	396.8	357.8	294.7	231.7	143.2	70.7	30.0	17.4	12.2
47.5°	511.8	476.9	441.7	387.0	334.8	264.8	170.4	84.3	32.0	16.4	11.1
50°	551.8	518.7	479.7	417.7	367.5	289.5	196.5	94.1	34.5	15.0	10.1
52.5°	597.5	563.3	512.4	450.1	397.8	321.2	219.8	107.3	37.6	13.6	9.1
55°	653.9	611.0	561.9	503.4	433.4	362.0	246.3	119.8	41.8	12.2	8.0
57.5°	723.9	687.7	637.5	568.9	486.7	402.0	278.3	135.9	45.6	11.1	7.3
60°	851.4	804.4	757.0	676.2	566.1	466.1	317.0	156.8	51.9	10.1	6.6
62.5°	1032.2	981.0	904.4	787.3	669.6	526.7	355.0	177.7	58.9	9.1	6.3
65°	1147.2	1076.8	974.4	822.1	707.5	554.6	358.1	177.3	59.6	8.4	5.6
66°	1163.5	1086.9	976.8	815.9	702.0	547.6	349.8	174.9	58.5	7.7	5.2
67.5°	1161.8	1077.2	958.7	789.7	674.1	522.9	322.6	162.7	55.4	7.3	4.9
70°	1070.9	986.6	861.5	699.5	589.4	451.8	277.3	139.7	47.4	6.3	4.2
72.5°	889.4	809.6	696.4	554.6	475.2	357.4	212.5	109.7	37.3	5.2	3.5
75°	657.0	580.7	494.7	385.3	312.8	226.1	132.4	71.1	24.4	4.2	2.8
77.5°	410.0	345.6	262.3	196.1	146.0	94.1	46.7	24.0	10.5	3.5	2.1
80°	216.3	176.3	127.2	92.0	67.6	42.2	21.6	11.1	5.6	2.8	1.4
82.5°	124.7	104.9	77.7	57.8	45.3	29.6	16.0	9.1	4.2	1.7	1.0
85°	44.9	38.7	43.2	32.7	24.7	16.4	11.5	7.3	2.8	1.4	1.0
87.5°	16.7	13.6	12.2	10.5	10.1	10.1	9.4	5.6	1.7	1.0	1.0
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: P179383

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
2.5°	7.7	7.0	7.0	6.6	6.6	6.3	6.3	6.3	6.3	6.3	6.6
5°	6.3	5.9	5.9	5.9	5.6	5.6	6.3	6.6	7.0	7.3	7.0
7.5°	6.3	5.9	5.6	5.9	6.6	5.2	4.2	3.8	3.5	3.8	3.8
10°	7.0	6.6	7.3	4.9	3.5	3.1	3.5	3.5	3.5	4.5	5.6
12.5°	7.0	7.3	5.6	4.9	4.9	4.5	5.6	4.9	4.9	4.9	4.9
15°	9.4	7.0	5.9	5.2	5.9	6.3	6.3	5.9	5.2	4.9	5.9
17.5°	8.0	7.3	7.0	8.4	7.7	6.6	5.9	6.6	7.0	6.3	5.6
20°	11.1	10.1	9.8	8.4	7.7	7.7	8.0	6.6	6.3	6.3	7.0
22.5°	11.8	10.8	11.1	10.5	10.1	8.0	7.7	7.3	7.3	6.6	6.6
25°	14.3	14.6	12.9	11.1	10.1	9.4	8.7	7.3	7.3	6.6	7.0
27.5°	15.3	14.3	12.9	12.2	11.1	9.1	8.7	7.7	7.0	7.0	6.3
30°	16.0	14.6	13.6	12.2	10.8	9.8	8.7	7.3	6.6	6.6	6.3
32.5°	17.1	15.3	12.9	11.5	10.5	8.7	8.4	7.0	6.3	5.6	5.6
35°	15.7	13.9	12.2	10.8	9.1	8.0	7.3	6.6	5.6	5.2	4.9
37.5°	13.9	12.2	10.8	9.4	8.4	7.3	6.6	5.6	4.9	4.5	4.2
40°	12.5	10.5	9.4	8.0	7.3	6.3	5.6	4.5	3.8	3.5	3.1
42.5°	11.1	9.1	8.0	7.0	5.9	5.2	4.5	3.5	2.8	2.4	2.1
45°	9.8	8.0	6.6	5.9	4.9	4.2	3.5	2.4	1.7	1.4	1.0
47.5°	8.7	7.0	5.9	4.9	4.2	3.1	2.4	1.4	1.0	0.7	0.3
50°	7.7	5.9	4.9	4.2	3.1	2.4	1.7	1.0	0.7	0.3	0.3
52.5°	6.6	5.2	4.5	3.5	2.8	1.7	1.0	0.7	0.3	0.3	0.0
55°	5.9	4.9	3.8	2.8	2.1	1.4	0.7	0.3	0.3	0.0	0.0
57.5°	5.6	4.5	3.1	2.1	1.7	1.0	0.7	0.3	0.3	0.0	0.0
60°	5.2	3.8	2.4	1.7	1.4	0.7	0.3	0.3	0.3	0.0	0.0
62.5°	4.9	3.1	2.1	1.4	1.0	0.7	0.3	0.3	0.3	0.3	0.0
65°	3.8	2.4	1.4	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3
66°	3.5	2.1	1.4	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3
67.5°	3.1	2.1	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.3	0.3
70°	2.4	1.4	1.0	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3
72.5°	2.1	1.4	1.0	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3
75°	1.7	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3
77.5°	1.4	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3
80°	1.0	1.0	0.7	0.7	0.7	0.7	0.3	0.7	0.7	0.3	0.3
82.5°	1.0	0.7	0.7	0.7	0.7	1.0	0.3	0.7	0.7	0.7	0.7
85°	1.0	0.7	0.7	1.0	1.0	1.0	0.3	1.0	1.0	1.0	0.7
87.5°	1.0	1.0	1.0	1.0	1.4	1.4	0.7	1.4	1.4	1.4	1.0
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: P179383

CATALOG NUMBER: UTLD-F01-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	9.4	9.4	9.4	9.4	9.4
2.5°	6.6	7.0	7.0	7.0	7.0
5°	7.0	6.3	6.6	6.6	6.6
7.5°	4.2	4.2	4.2	4.2	4.2
10°	5.9	5.9	5.9	5.9	5.9
12.5°	5.2	5.6	5.6	5.6	5.6
15°	6.3	6.6	6.6	6.6	7.0
17.5°	5.6	5.6	6.3	5.9	6.3
20°	6.6	6.6	6.6	6.6	6.6
22.5°	5.9	5.9	6.6	7.0	7.0
25°	6.6	6.3	6.3	6.3	6.3
27.5°	6.3	6.6	6.6	6.6	6.6
30°	5.9	5.6	5.9	5.9	6.3
32.5°	5.6	5.6	5.6	5.6	5.6
35°	4.9	4.9	4.9	5.2	5.2
37.5°	3.8	3.8	4.2	4.2	4.2
40°	3.1	2.8	2.8	3.1	3.1
42.5°	2.1	1.7	1.7	1.7	1.7
45°	1.0	0.7	0.7	0.7	0.7
47.5°	0.3	0.3	0.3	0.3	0.3
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
66°	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0	0.0
72.5°	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.0	0.0	0.0
77.5°	0.3	0.3	0.3	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0
82.5°	0.3	0.3	0.3	0.3	0.0
85°	0.7	0.7	0.7	0.7	0.0
87.5°	1.0	1.0	1.0	1.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)