

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: P179325

Luminaire Tested: **UTLD-F01-LED-E-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179325
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
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-T2-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1188.6 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-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



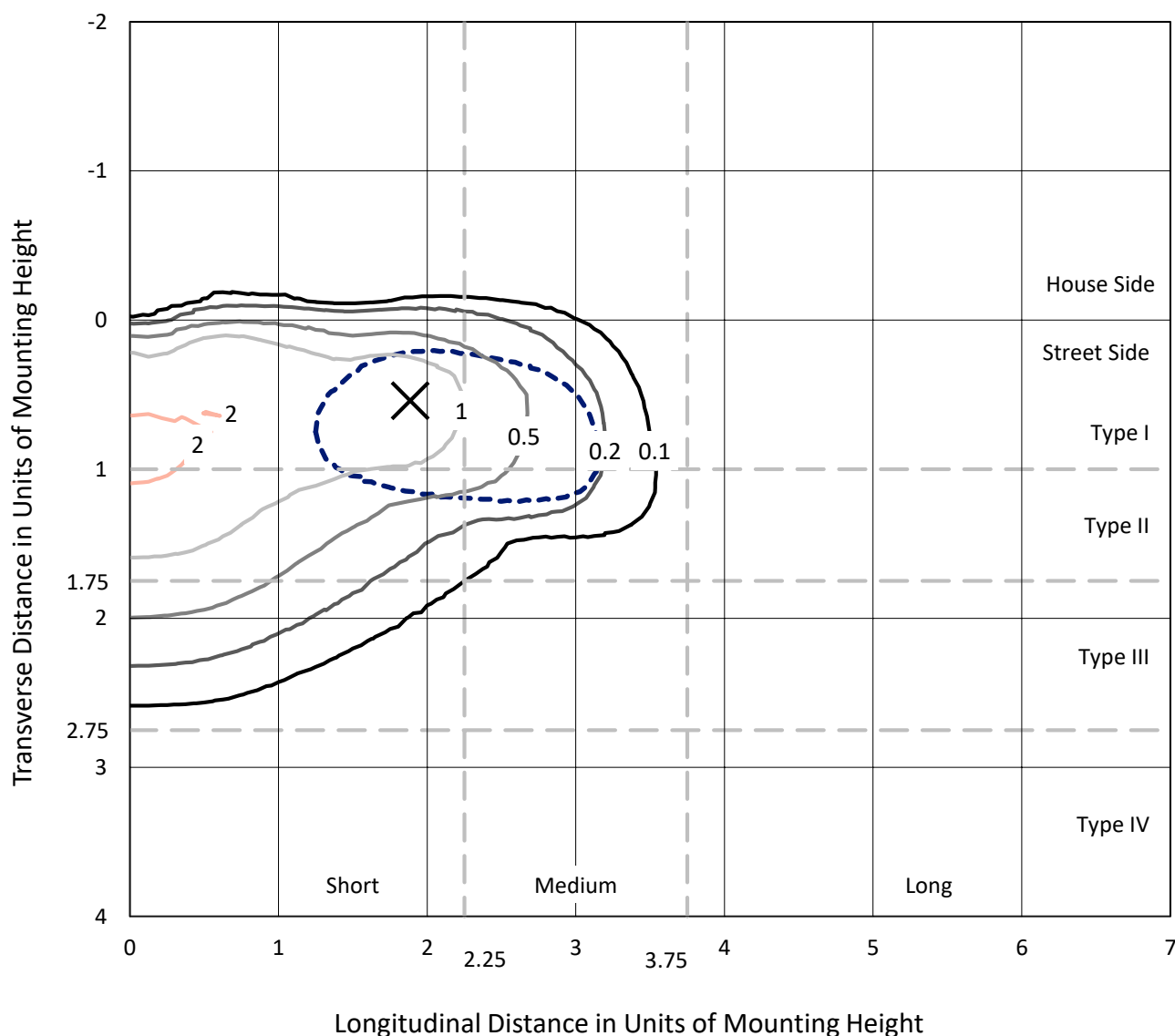
REPORT NUMBER: P179325

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

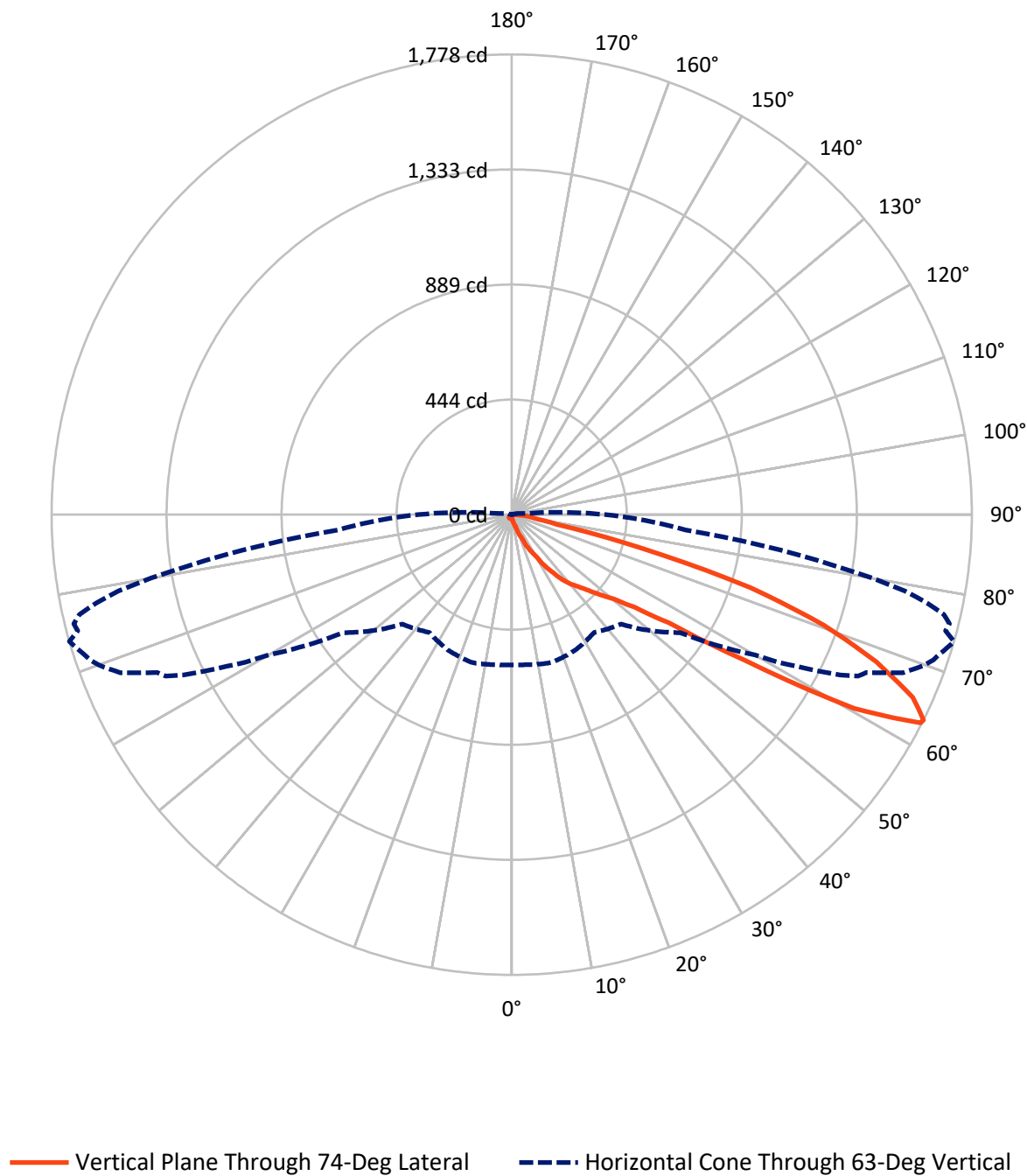


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P179325

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P179325

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

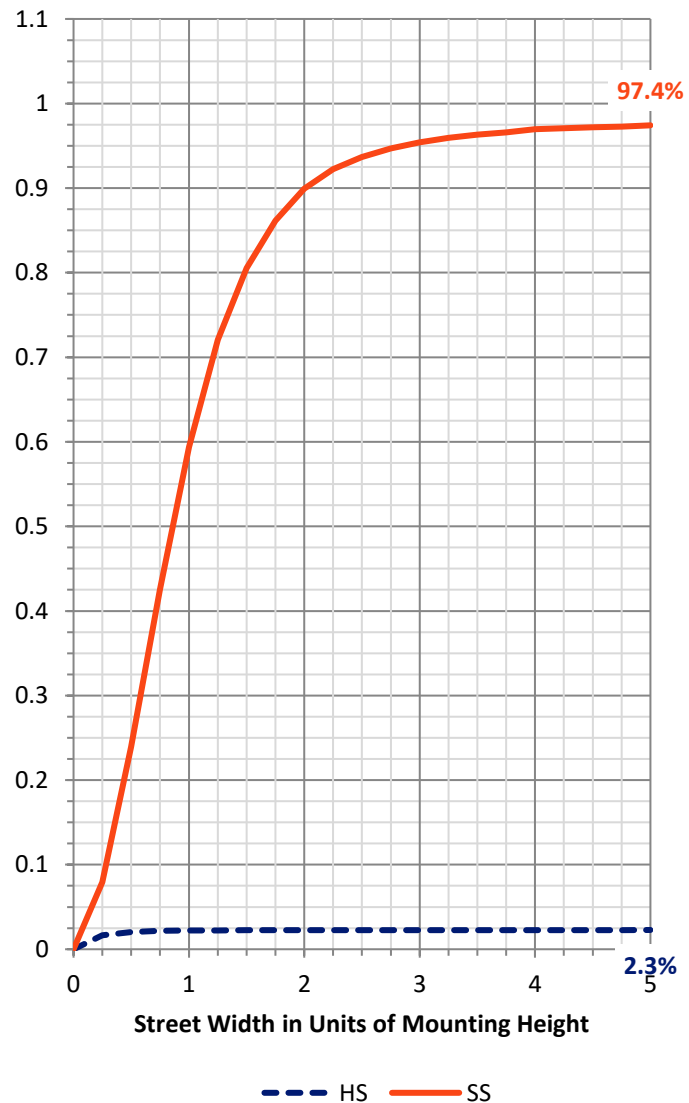
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.6	0.0	27.6
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1161.0	0.0	1161.0
	% Fixture	97.7	0.0	97.7
Total	Lumens	1188.6	0.0	1188.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.2
10°-20°	13.7	1.2
20°-30°	44.4	3.7
30°-40°	106.0	8.9
40°-50°	199.1	16.8
50°-60°	312.9	26.3
60°-70°	367.6	30.9
70°-80°	126.2	10.6
80°-90°	16.7	1.4
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°	1188.6	100.0
0°-180°	1188.6	100.0

Coefficient of Utilization



REPORT NUMBER: P179325

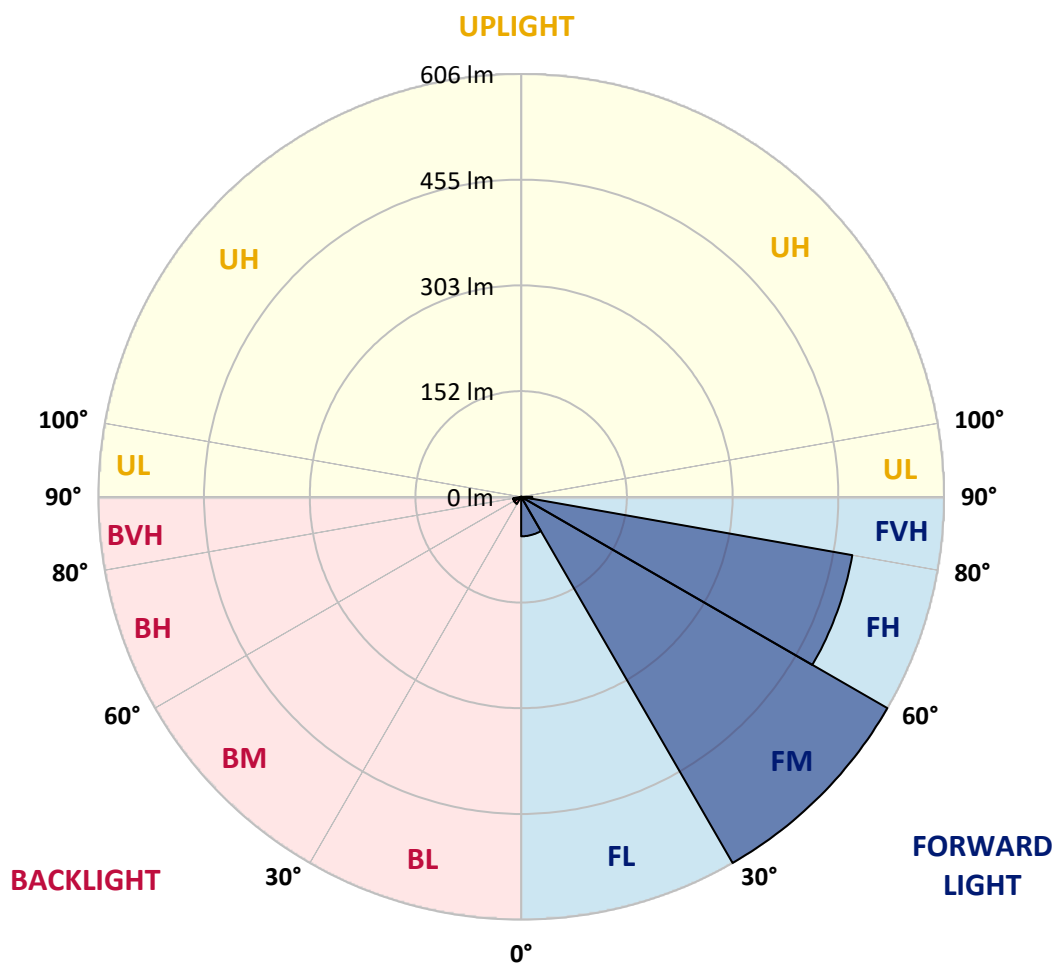
CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.6	4.8			
FM	(30°-60°)	606.2	51.0			
FH	(60°-80°)	482.1	40.6			G0/660
FVH	(80°-90°)	16.0	1.3			G1/100
BL	(0°-30°)	3.4	0.3	B0/110		
BM	(30°-60°)	11.8	1.0	B0/220		
BH	(60°-80°)	11.7	1.0	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 II Short





REPORT NUMBER: P179325

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	22.7	22.3	21.5	20.6	20.2	19.4	19.0	18.2	18.2	17.7	18.2
5°	33.0	31.4	29.7	28.5	27.2	26.0	23.5	21.9	21.5	21.5	20.6
7.5°	62.3	59.9	58.2	55.7	51.2	38.8	28.9	26.8	26.4	26.0	25.2
10°	71.0	70.6	69.8	66.9	63.2	56.5	49.9	34.3	33.4	32.2	32.6
12.5°	102.0	100.7	101.5	96.2	88.3	72.2	65.6	58.6	57.0	55.7	51.2
15°	139.5	137.4	111.0	107.3	100.3	99.5	75.5	67.7	66.0	63.2	60.3
17.5°	147.8	149.0	146.9	138.3	123.0	110.2	107.7	85.9	83.4	82.1	78.8
20°	190.3	190.3	182.0	150.2	150.7	137.9	124.7	109.4	98.7	96.2	99.5
22.5°	196.5	197.3	194.8	197.3	161.8	163.0	164.3	155.2	151.5	146.9	141.2
25°	229.9	231.1	225.4	202.3	209.3	189.5	190.3	178.7	172.9	182.4	180.8
27.5°	261.3	262.1	229.1	228.7	221.2	228.3	238.2	227.8	225.0	220.8	213.0
30°	274.9	276.6	266.2	276.1	263.3	248.5	261.3	276.1	273.2	266.2	268.3
32.5°	333.9	334.8	329.0	297.2	296.4	296.8	315.8	305.4	301.7	293.5	294.7
35°	406.6	406.2	360.8	353.3	332.7	345.5	346.3	356.2	343.4	352.5	343.8
37.5°	464.8	462.3	432.6	424.7	397.5	386.3	394.2	387.2	378.5	385.9	383.0
40°	516.0	518.4	504.8	473.4	457.8	441.2	439.2	419.8	428.0	421.8	421.0
42.5°	556.4	560.5	552.3	522.1	500.3	497.4	488.7	464.8	478.0	466.4	468.1
45°	606.3	605.1	589.8	558.5	543.6	547.3	552.7	534.1	534.9	530.8	521.3
47.5°	653.8	653.4	643.9	599.7	581.2	590.7	621.6	617.5	602.2	608.4	586.5
50°	694.3	694.7	683.5	634.4	610.9	633.2	693.4	698.4	691.0	693.0	667.4
52.5°	708.3	709.1	704.2	654.2	629.9	663.7	751.6	777.2	784.7	786.7	758.7
55°	694.3	697.2	695.9	652.6	629.5	677.3	802.4	854.4	873.8	884.5	867.6
57.5°	667.8	670.3	675.3	648.0	625.3	681.9	847.4	960.1	994.8	1017.0	1022.8
60°	636.9	639.8	654.6	643.1	619.1	674.0	871.3	1055.4	1117.3	1166.5	1244.1
62.5°	594.8	597.7	610.1	598.5	572.9	619.1	817.7	1081.9	1168.1	1238.3	1382.8
63°	580.3	582.0	591.5	578.3	555.2	597.7	794.6	1083.5	1175.1	1248.6	1412.1
65°	456.5	459.8	470.5	456.5	451.6	494.1	662.9	1030.3	1156.6	1236.2	1437.2
67.5°	249.3	253.4	269.5	263.3	291.8	339.7	439.6	752.1	925.0	1038.1	1267.2
70°	181.2	181.2	194.8	199.0	213.0	250.1	290.2	382.2	482.9	614.6	907.3
72.5°	131.7	134.6	146.1	157.7	177.9	222.9	286.0	222.1	228.7	269.5	477.6
75°	65.6	71.4	84.2	97.8	118.9	169.6	303.0	230.3	209.3	203.9	243.9
77.5°	15.3	15.7	25.6	50.4	60.7	97.4	239.8	281.5	253.4	239.8	214.6
80°	7.8	8.3	10.3	25.2	27.7	35.1	125.9	297.2	300.5	292.2	241.1
82.5°	4.1	4.1	6.2	10.7	10.7	12.4	35.9	180.8	250.5	284.4	278.2
85°	1.7	1.7	3.7	5.4	5.8	5.4	9.9	71.0	125.5	163.0	218.4
87.5°	0.4	0.4	1.2	2.1	2.5	2.9	4.5	13.2	21.9	30.1	50.4
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: P179325

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	17.7	17.7	17.7	17.3	17.3	17.3	17.3	16.9	16.9	16.9	15.7
5°	20.2	20.2	19.8	19.4	19.4	19.0	19.0	19.0	18.6	18.6	18.2
7.5°	24.8	24.4	23.9	23.1	22.7	22.3	22.3	21.5	21.1	20.6	20.2
10°	32.6	32.2	31.0	30.1	29.3	28.5	27.7	27.2	26.4	26.0	25.2
12.5°	44.6	38.8	37.6	36.3	34.7	33.4	32.6	31.8	31.4	30.1	30.5
15°	64.4	63.2	61.9	61.1	59.0	49.9	46.2	45.4	43.8	42.5	40.9
17.5°	78.0	76.8	73.9	69.3	68.5	66.9	64.8	62.7	52.8	47.9	46.2
20°	101.1	99.1	102.0	101.1	97.8	94.5	90.8	88.7	86.3	81.7	74.3
22.5°	126.7	126.7	123.0	120.5	116.4	111.0	110.6	106.1	97.4	94.1	92.9
25°	180.8	183.3	175.8	166.3	165.5	160.6	148.6	142.4	138.3	133.7	131.7
27.5°	214.6	206.8	199.8	199.4	194.4	179.1	172.5	169.2	171.3	160.6	154.0
30°	259.6	253.8	252.2	244.8	235.7	224.5	222.5	217.9	206.4	191.1	182.4
32.5°	290.6	293.5	298.8	290.6	279.9	277.0	275.7	263.3	247.7	237.3	227.4
35°	348.8	344.7	336.8	324.0	320.7	320.7	311.6	293.1	281.9	275.3	272.8
37.5°	382.2	376.0	364.5	358.3	359.9	357.0	336.0	325.7	320.7	319.1	303.0
40°	418.1	406.2	395.8	397.5	401.2	380.6	369.0	363.2	364.9	351.7	331.4
42.5°	458.6	442.9	437.5	447.0	427.6	412.3	403.3	406.6	399.6	380.6	367.4
45°	505.2	489.5	492.8	489.9	466.0	452.0	453.2	446.2	433.0	418.5	405.7
47.5°	560.9	553.1	563.0	534.1	513.5	508.9	506.0	492.0	474.7	463.1	451.1
50°	643.5	647.6	638.5	604.3	585.3	584.1	567.5	546.9	532.9	513.5	494.9
52.5°	753.3	765.3	738.0	710.8	699.2	690.6	663.3	639.8	616.3	592.7	565.1
55°	871.8	895.3	864.7	852.4	848.6	854.0	821.8	797.9	769.0	736.4	702.5
57.5°	1069.9	1076.1	1055.8	1073.2	1086.8	1088.9	1097.1	1079.4	1068.2	1058.7	1025.7
60°	1324.1	1334.9	1353.9	1414.9	1439.7	1474.8	1483.5	1506.6	1511.5	1519.8	1493.0
62.5°	1459.5	1483.1	1543.7	1615.6	1646.9	1680.4	1707.2	1728.2	1744.7	1771.6	1724.9
63°	1475.6	1499.6	1563.5	1630.8	1663.8	1698.1	1723.3	1739.8	1758.8	1777.8	1735.3
65°	1473.1	1499.6	1580.9	1616.8	1652.3	1671.3	1694.0	1695.2	1730.3	1703.5	1698.9
67.5°	1306.4	1376.2	1433.1	1471.9	1502.0	1516.9	1526.4	1538.0	1561.5	1519.4	1542.9
70°	1024.9	1114.0	1164.8	1212.7	1251.5	1262.6	1270.9	1307.2	1275.0	1278.7	1272.1
72.5°	583.2	721.5	807.8	859.4	923.3	934.9	954.3	984.9	943.6	964.6	946.1
75°	312.9	366.9	442.1	494.9	520.5	545.3	569.2	551.0	539.5	514.3	509.3
77.5°	225.4	231.1	237.3	232.8	226.2	224.5	214.2	194.4	189.0	173.4	165.5
80°	225.8	204.3	179.6	148.2	115.2	100.3	94.1	92.0	92.0	92.0	86.7
82.5°	255.5	228.7	196.9	157.7	122.2	96.2	79.7	77.2	75.5	75.5	70.6
85°	207.6	204.7	181.6	145.3	113.9	86.3	66.9	54.5	49.9	44.6	42.5
87.5°	50.4	52.4	45.8	40.0	33.4	26.4	23.1	18.6	15.7	14.4	13.6
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: P179325

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
2.5°	15.7	15.3	14.9	14.9	14.4	12.4	10.7	9.5	8.7	8.3	7.8
5°	18.2	17.7	17.7	17.3	17.3	14.0	9.5	8.3	7.4	6.6	6.6
7.5°	19.8	19.4	19.4	19.0	18.6	16.9	9.5	7.8	6.2	6.6	3.3
10°	24.8	24.4	23.5	23.1	22.7	21.5	11.6	8.3	7.4	2.9	2.5
12.5°	30.1	28.9	28.1	27.2	25.6	21.9	11.6	8.7	4.5	3.7	4.1
15°	38.8	37.1	35.5	34.3	33.0	28.5	15.3	10.7	5.0	4.5	4.5
17.5°	44.2	42.1	40.5	40.0	39.2	28.5	14.9	7.4	5.8	5.8	4.5
20°	67.7	67.3	63.6	59.0	54.9	42.1	20.2	9.5	7.8	5.8	5.8
22.5°	88.7	78.0	72.6	66.0	62.3	50.4	20.6	10.3	9.1	7.0	5.4
25°	121.4	109.8	103.6	94.5	91.2	63.2	22.7	13.2	10.3	7.4	6.2
27.5°	147.8	139.5	135.8	131.3	120.1	78.4	26.4	14.0	10.3	8.3	6.2
30°	172.1	172.5	161.4	147.4	136.2	93.7	28.1	15.3	10.7	7.8	6.2
32.5°	226.2	213.0	194.0	181.6	170.1	107.7	30.5	16.5	10.3	7.8	6.2
35°	257.6	237.3	226.6	215.5	200.6	128.4	33.4	16.1	10.3	7.4	5.8
37.5°	283.2	267.9	257.2	241.1	225.4	144.1	35.1	14.9	9.9	7.0	5.0
40°	315.4	304.6	285.2	271.2	255.1	150.7	36.3	13.6	9.1	6.2	4.1
42.5°	352.9	337.2	319.1	305.9	278.6	171.3	40.0	12.8	8.3	5.4	3.7
45°	392.1	371.9	360.3	332.7	300.9	186.2	42.9	12.4	7.4	4.5	2.9
47.5°	428.9	416.5	391.3	356.2	341.8	209.3	42.1	11.6	6.6	3.7	2.1
50°	479.6	462.7	428.4	408.6	385.1	227.8	40.9	11.1	5.8	3.3	1.7
52.5°	550.6	514.7	487.9	465.2	425.6	253.8	40.0	10.3	5.0	2.5	0.8
55°	665.4	609.2	576.2	533.7	490.4	284.4	38.0	9.1	4.5	2.1	0.8
57.5°	943.6	882.9	811.9	731.0	653.8	355.8	37.1	8.3	3.7	1.2	0.4
60°	1436.8	1397.2	1292.8	1161.9	1052.5	500.7	40.0	7.0	2.9	0.8	0.4
62.5°	1724.5	1688.2	1613.9	1519.4	1372.4	652.6	45.0	5.8	2.1	0.8	0.4
63°	1743.1	1713.8	1640.7	1547.9	1415.4	673.6	47.5	5.8	2.1	0.8	0.4
65°	1708.4	1682.8	1642.0	1569.7	1483.5	734.7	54.9	5.4	1.7	0.8	0.4
67.5°	1534.2	1507.0	1478.9	1448.8	1387.3	754.5	60.3	5.0	1.2	0.8	0.4
70°	1268.8	1244.1	1213.5	1200.3	1166.9	705.4	63.2	4.5	1.2	0.8	0.4
72.5°	926.2	897.8	873.0	837.1	805.3	533.7	46.6	4.5	0.8	0.8	0.4
75°	470.5	440.8	383.5	356.6	329.0	223.7	19.0	3.7	0.8	0.8	0.4
77.5°	137.4	123.4	99.9	80.9	61.5	40.0	7.0	2.5	0.8	0.8	0.4
80°	81.3	68.9	57.0	45.0	36.3	19.4	4.1	1.7	0.8	1.2	0.4
82.5°	66.5	59.4	49.1	40.5	31.8	14.4	2.9	1.7	1.2	1.2	0.4
85°	38.4	34.7	29.3	23.5	19.8	10.3	2.1	1.7	1.2	1.7	0.4
87.5°	14.0	12.8	12.0	11.6	10.7	7.4	2.1	2.1	1.7	2.1	0.4
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: P179325

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	11.6	11.6	11.6	11.6	11.6
2.5°	7.4	7.8	7.8	7.8	7.8
5°	7.0	7.0	6.2	5.0	5.0
7.5°	2.9	3.3	3.3	3.3	3.3
10°	2.5	4.1	4.5	4.5	4.5
12.5°	3.7	3.7	4.1	4.1	4.5
15°	3.7	4.5	5.0	5.0	5.0
17.5°	5.0	4.1	4.5	4.5	5.0
20°	4.5	5.0	5.0	5.0	5.0
22.5°	5.4	5.0	4.5	5.0	5.0
25°	5.0	5.0	4.5	4.5	4.5
27.5°	5.0	4.5	4.5	4.5	4.5
30°	5.0	4.5	4.1	4.1	4.1
32.5°	4.5	4.1	4.1	3.7	3.7
35°	4.1	3.3	3.7	3.7	3.7
37.5°	3.7	2.9	2.9	3.3	2.9
40°	2.9	2.5	2.1	2.5	2.5
42.5°	2.1	1.7	1.7	1.7	1.7
45°	1.7	0.8	0.8	0.8	0.8
47.5°	0.8	0.4	0.4	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.0
52.5°	0.4	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
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.8	0.8	0.8	0.4	0.4
80°	1.2	0.8	0.8	0.4	0.4
82.5°	1.2	1.2	1.2	0.8	0.4
85°	1.7	1.2	1.2	1.2	0.4
87.5°	2.1	1.7	1.7	1.2	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)