

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: P179324

Luminaire Tested: **UTLD-F01-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179324
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1085.6 lumens
Efficiency: N/A
Efficacy: 41.9 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



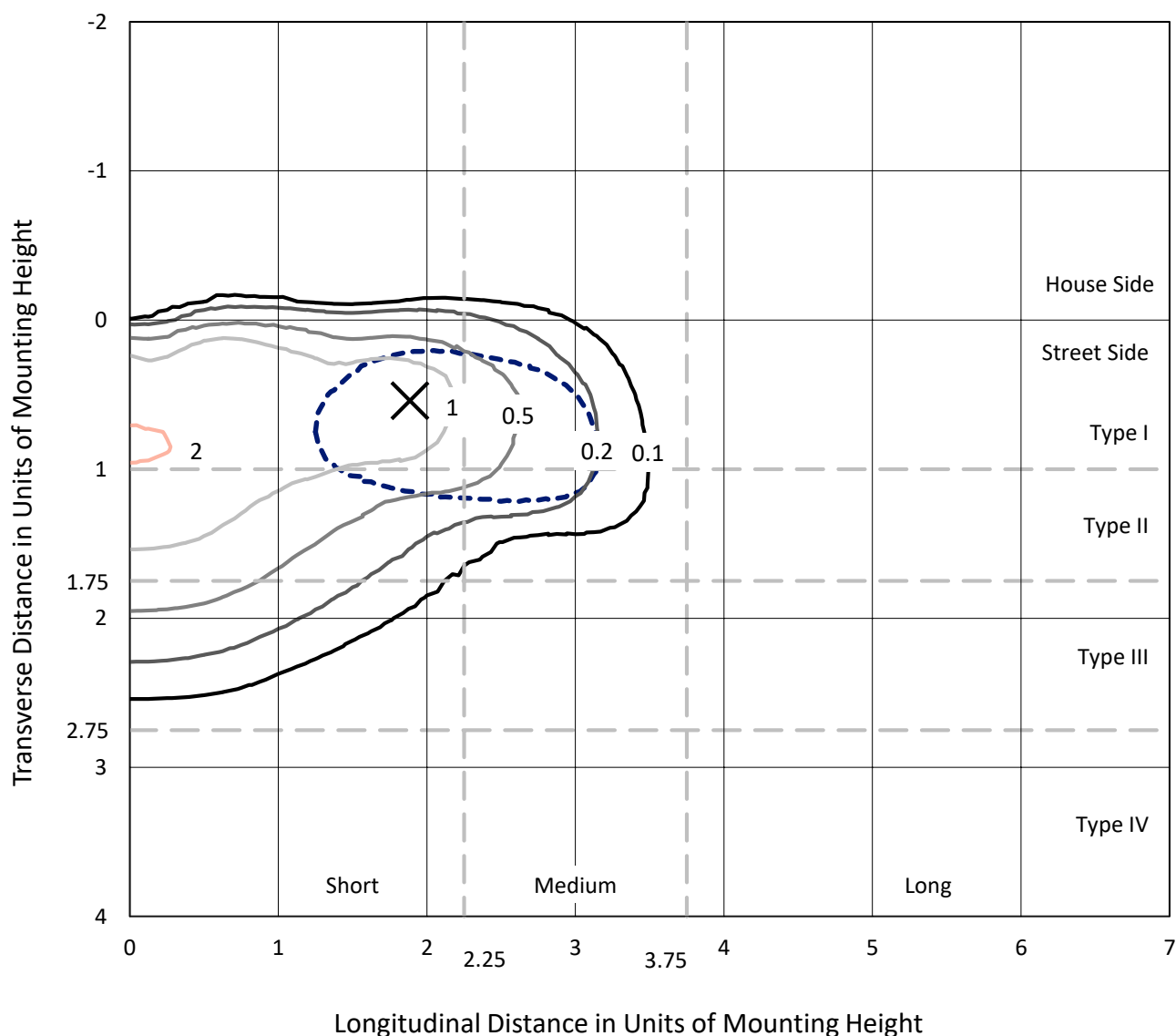
REPORT NUMBER: P179324

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

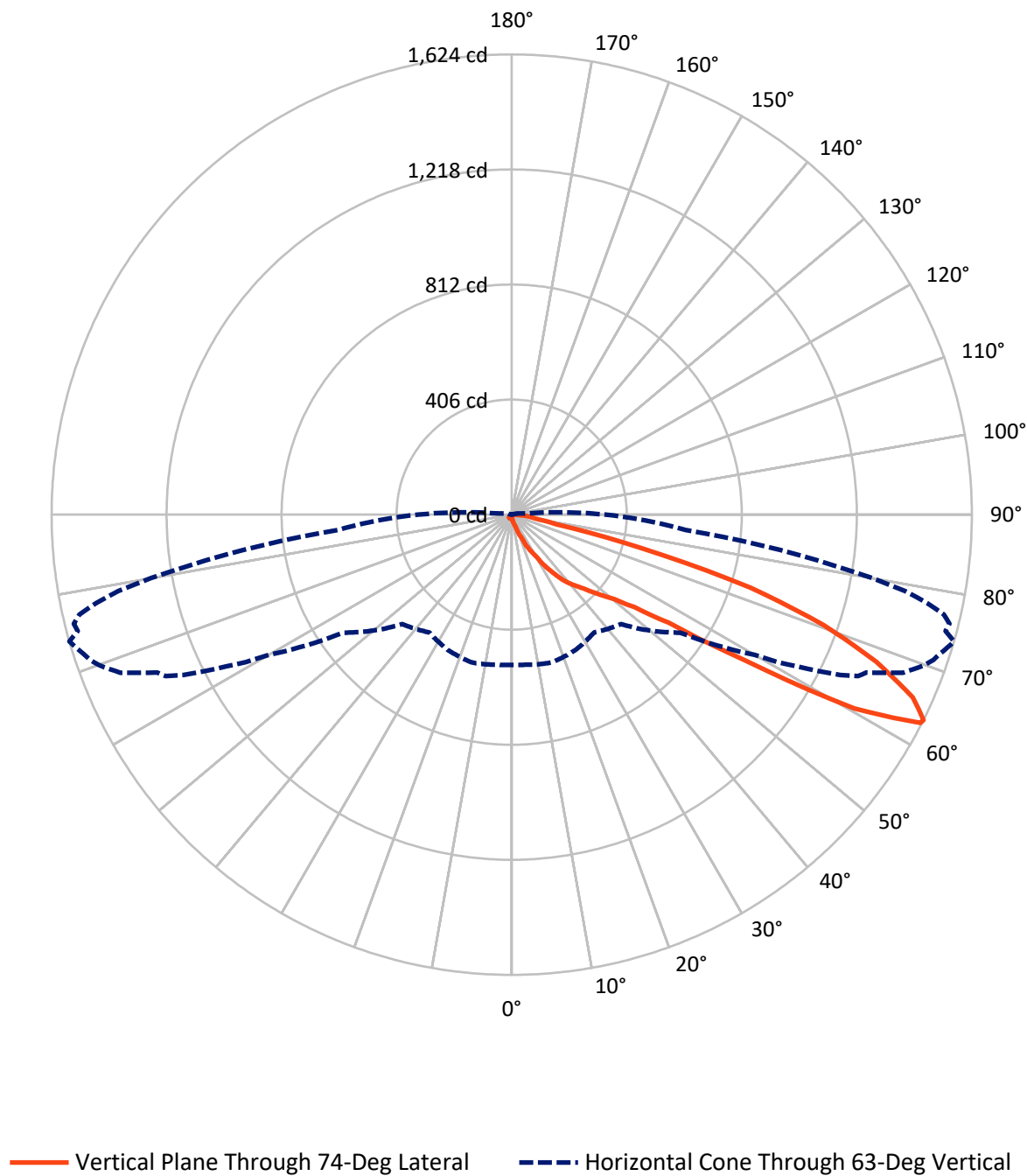


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P179324

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P179324

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

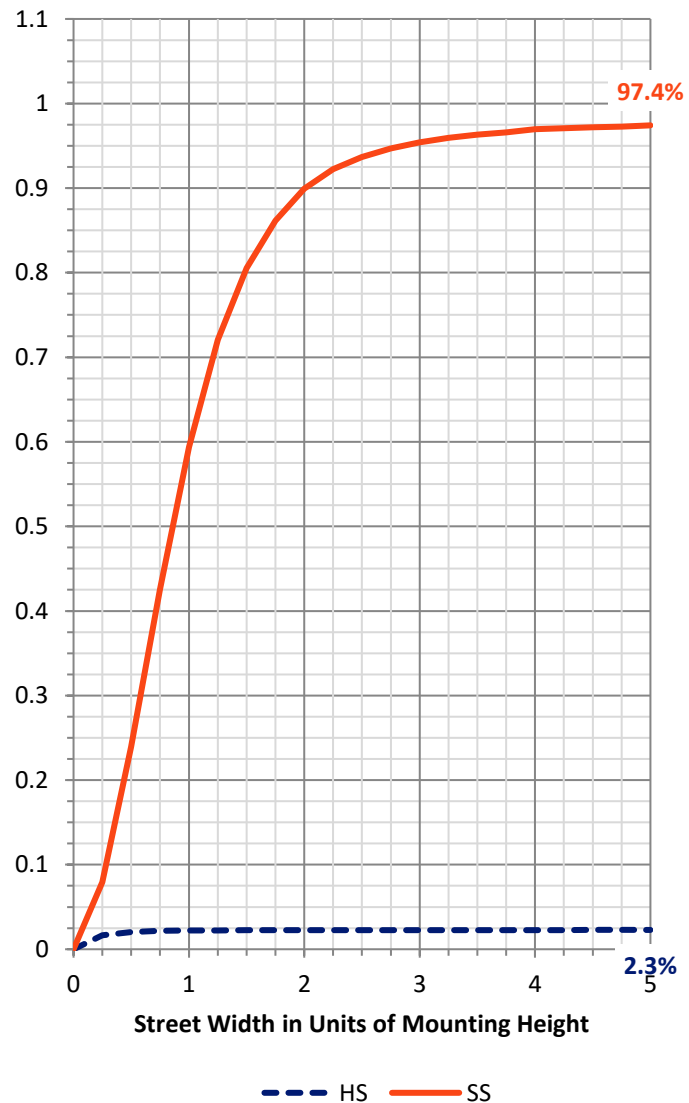
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.2	0.0	25.2
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1060.4	0.0	1060.4
	% Fixture	97.7	0.0	97.7
Total	Lumens	1085.6	0.0	1085.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.2
10°-20°	12.5	1.2
20°-30°	40.5	3.7
30°-40°	96.8	8.9
40°-50°	181.8	16.8
50°-60°	285.8	26.3
60°-70°	335.7	30.9
70°-80°	115.3	10.6
80°-90°	15.3	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°	1085.6	100.0
0°-180°	1085.6	100.0

Coefficient of Utilization



REPORT NUMBER: P179324

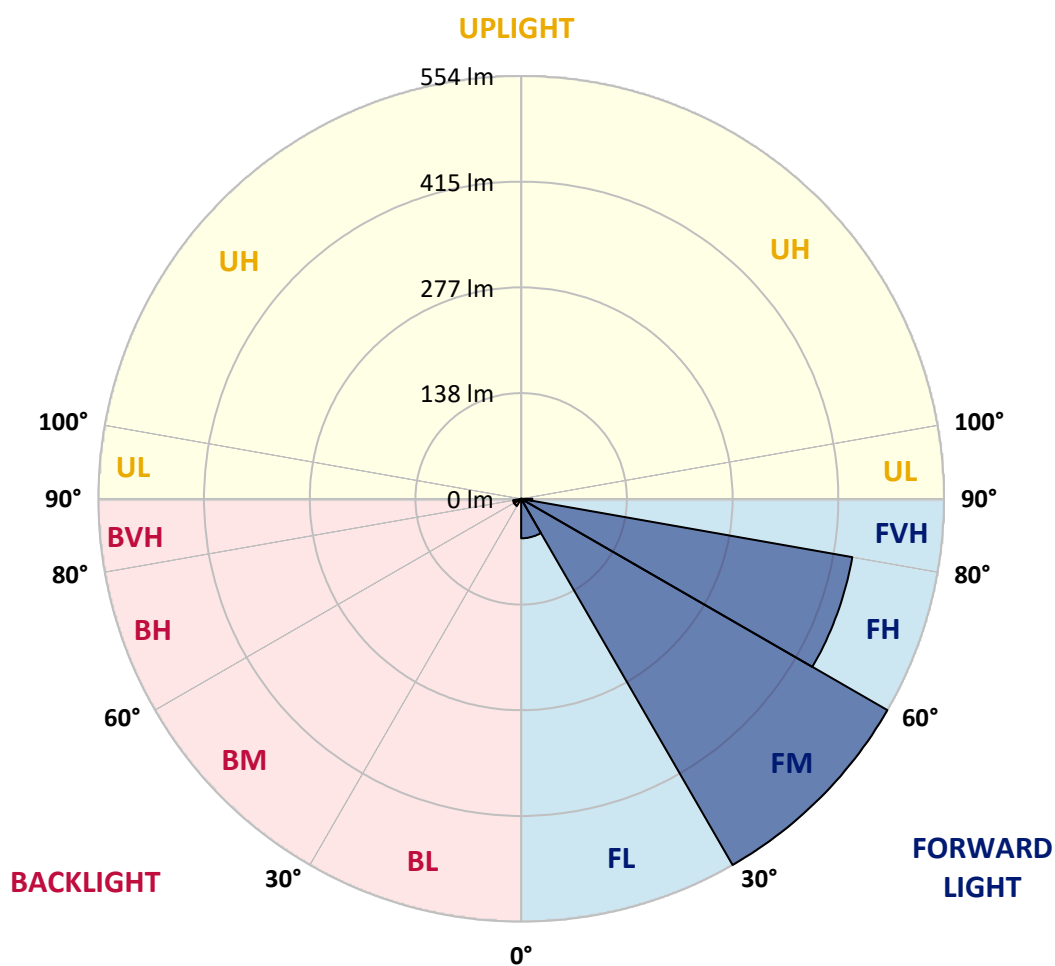
CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.7	4.8			
FM	(30°-60°)	553.7	51.0			
FH	(60°-80°)	440.4	40.6			G0/660
FVH	(80°-90°)	14.6	1.3			G1/100
BL	(0°-30°)	3.1	0.3	B0/110		
BM	(30°-60°)	10.8	1.0	B0/220		
BH	(60°-80°)	10.7	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: P179324

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	20.7	20.4	19.6	18.8	18.5	17.7	17.3	16.6	16.6	16.2	16.6
5°	30.2	28.7	27.1	26.0	24.9	23.8	21.5	20.0	19.6	19.6	18.8
7.5°	56.9	54.7	53.2	50.9	46.7	35.4	26.4	24.5	24.1	23.8	23.0
10°	64.8	64.5	63.7	61.1	57.7	51.6	45.6	31.3	30.5	29.4	29.8
12.5°	93.1	92.0	92.7	87.8	80.7	66.0	59.9	53.5	52.0	50.9	46.7
15°	127.4	125.5	101.4	98.0	91.6	90.9	69.0	61.8	60.3	57.7	55.0
17.5°	135.0	136.1	134.2	126.3	112.3	100.7	98.4	78.4	76.2	75.0	72.0
20°	173.8	173.8	166.3	137.2	137.6	125.9	113.9	99.9	90.1	87.8	90.9
22.5°	179.5	180.2	177.9	180.2	147.8	148.9	150.0	141.8	138.4	134.2	128.9
25°	210.0	211.1	205.8	184.7	191.1	173.0	173.8	163.2	158.0	166.6	165.1
27.5°	238.6	239.4	209.2	208.9	202.1	208.5	217.5	208.1	205.5	201.7	194.5
30°	251.1	252.6	243.2	252.2	240.5	227.0	238.6	252.2	249.6	243.2	245.0
32.5°	305.0	305.7	300.5	271.4	270.7	271.1	288.4	279.0	275.6	268.0	269.2
35°	371.3	371.0	329.5	322.7	303.9	315.5	316.3	325.3	313.7	322.0	314.0
37.5°	424.5	422.2	395.1	387.9	363.0	352.9	360.0	353.6	345.7	352.5	349.9
40°	471.2	473.5	461.1	432.4	418.1	403.0	401.1	383.4	390.9	385.3	384.5
42.5°	508.2	512.0	504.4	476.9	456.9	454.3	446.4	424.5	436.6	426.0	427.5
45°	553.8	552.7	538.7	510.1	496.5	499.9	504.8	487.8	488.6	484.8	476.1
47.5°	597.2	596.8	588.1	547.8	530.8	539.5	567.8	564.0	550.0	555.7	535.7
50°	634.1	634.5	624.3	579.4	558.0	578.3	633.4	637.9	631.1	633.0	609.6
52.5°	646.9	647.7	643.2	597.5	575.3	606.2	686.5	709.9	716.7	718.6	692.9
55°	634.1	636.7	635.6	596.0	574.9	618.7	732.9	780.4	798.1	807.9	792.4
57.5°	610.0	612.2	616.8	591.9	571.2	622.8	774.0	876.9	908.6	928.9	934.2
60°	581.7	584.3	597.9	587.4	565.5	615.6	795.8	964.0	1020.5	1065.4	1136.3
62.5°	543.3	545.9	557.2	546.6	523.3	565.5	746.8	988.1	1066.9	1131.0	1262.9
63°	530.1	531.6	540.2	528.2	507.1	545.9	725.7	989.6	1073.3	1140.4	1289.7
65°	417.0	420.0	429.8	417.0	412.4	451.3	605.5	941.0	1056.3	1129.1	1312.7
67.5°	227.7	231.5	246.2	240.5	266.5	310.3	401.5	686.9	844.8	948.1	1157.4
70°	165.5	165.5	177.9	181.7	194.5	228.5	265.0	349.1	441.1	561.3	828.6
72.5°	120.3	122.9	133.5	144.0	162.5	203.6	261.3	202.8	208.9	246.2	436.2
75°	59.9	65.2	76.9	89.3	108.6	154.9	276.7	210.4	191.1	186.2	222.8
77.5°	13.9	14.3	23.4	46.0	55.4	89.0	219.0	257.1	231.5	219.0	196.0
80°	7.2	7.5	9.4	23.0	25.3	32.0	115.0	271.4	274.5	266.9	220.2
82.5°	3.8	3.8	5.7	9.8	9.8	11.3	32.8	165.1	228.8	259.8	254.1
85°	1.5	1.5	3.4	4.9	5.3	4.9	9.0	64.8	114.6	148.9	199.4
87.5°	0.4	0.4	1.1	1.9	2.3	2.6	4.1	12.1	20.0	27.5	46.0
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: P179324

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	16.2	16.2	16.2	15.8	15.8	15.8	15.8	15.5	15.5	15.5	14.3
5°	18.5	18.5	18.1	17.7	17.7	17.3	17.3	17.3	17.0	17.0	16.6
7.5°	22.6	22.2	21.9	21.1	20.7	20.4	20.4	19.6	19.2	18.8	18.5
10°	29.8	29.4	28.3	27.5	26.8	26.0	25.3	24.9	24.1	23.8	23.0
12.5°	40.7	35.4	34.3	33.2	31.7	30.5	29.8	29.0	28.7	27.5	27.9
15°	58.8	57.7	56.5	55.8	53.9	45.6	42.2	41.5	40.0	38.8	37.3
17.5°	71.3	70.1	67.5	63.3	62.6	61.1	59.2	57.3	48.3	43.7	42.2
20°	92.4	90.5	93.1	92.4	89.3	86.3	82.9	81.1	78.8	74.6	67.9
22.5°	115.7	115.7	112.3	110.1	106.3	101.4	101.0	96.9	89.0	86.0	84.8
25°	165.1	167.4	160.6	151.9	151.2	146.7	135.7	130.1	126.3	122.1	120.3
27.5°	196.0	188.9	182.5	182.1	177.6	163.6	157.6	154.6	156.5	146.7	140.6
30°	237.1	231.9	230.3	223.6	215.3	205.1	203.2	199.1	188.5	174.5	166.6
32.5°	265.4	268.0	272.9	265.4	255.6	253.0	251.8	240.5	226.2	216.8	207.7
35°	318.6	314.8	307.6	295.9	292.9	292.9	284.6	267.7	257.5	251.5	249.2
37.5°	349.1	343.4	332.9	327.2	328.7	326.1	306.9	297.5	292.9	291.4	276.7
40°	381.9	371.0	361.5	363.0	366.4	347.6	337.0	331.8	333.3	321.2	302.7
42.5°	418.8	404.5	399.6	408.3	390.6	376.6	368.3	371.3	364.9	347.6	335.5
45°	461.4	447.1	450.1	447.5	425.6	412.8	413.9	407.5	395.5	382.3	370.6
47.5°	512.3	505.2	514.2	487.8	469.0	464.8	462.2	449.4	433.5	423.0	412.1
50°	587.7	591.5	583.2	551.9	534.6	533.5	518.4	499.5	486.7	469.0	452.0
52.5°	688.0	699.0	674.1	649.2	638.6	630.7	605.8	584.3	562.9	541.4	516.1
55°	796.2	817.7	789.8	778.5	775.1	780.0	750.6	728.7	702.3	672.6	641.6
57.5°	977.2	982.8	964.4	980.2	992.6	994.5	1002.1	985.8	975.7	967.0	936.8
60°	1209.4	1219.2	1236.5	1292.3	1315.0	1347.0	1354.9	1376.0	1380.6	1388.1	1363.6
62.5°	1333.1	1354.5	1410.0	1475.6	1504.2	1534.8	1559.3	1578.5	1593.6	1618.1	1575.5
63°	1347.8	1369.6	1428.1	1489.5	1519.7	1551.0	1574.0	1589.0	1606.4	1623.7	1584.9
65°	1345.5	1369.6	1443.9	1476.7	1509.1	1526.5	1547.2	1548.3	1580.4	1555.9	1551.7
67.5°	1193.2	1256.9	1308.9	1344.4	1371.9	1385.5	1394.1	1404.7	1426.2	1387.7	1409.2
70°	936.1	1017.5	1063.9	1107.6	1143.1	1153.2	1160.8	1193.9	1164.5	1167.9	1161.9
72.5°	532.7	659.0	737.8	784.9	843.3	853.9	871.6	899.5	861.8	881.0	864.1
75°	285.8	335.2	403.8	452.0	475.4	498.0	519.9	503.3	492.7	469.7	465.2
77.5°	205.8	211.1	216.8	212.6	206.6	205.1	195.7	177.6	172.7	158.3	151.2
80°	206.2	186.6	164.0	135.3	105.2	91.6	86.0	84.1	84.1	84.1	79.2
82.5°	233.4	208.9	179.8	144.0	111.6	87.8	72.8	70.5	69.0	69.0	64.5
85°	189.6	187.0	165.9	132.7	104.1	78.8	61.1	49.8	45.6	40.7	38.8
87.5°	46.0	47.9	41.8	36.6	30.5	24.1	21.1	17.0	14.3	13.2	12.4
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: P179324

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
2.5°	14.3	13.9	13.6	13.6	13.2	11.3	9.8	8.7	7.9	7.5	7.2
5°	16.6	16.2	16.2	15.8	15.8	12.8	8.7	7.5	6.8	6.0	6.0
7.5°	18.1	17.7	17.7	17.3	17.0	15.5	8.7	7.2	5.7	6.0	3.0
10°	22.6	22.2	21.5	21.1	20.7	19.6	10.6	7.5	6.8	2.6	2.3
12.5°	27.5	26.4	25.6	24.9	23.4	20.0	10.6	7.9	4.1	3.4	3.8
15°	35.4	33.9	32.4	31.3	30.2	26.0	13.9	9.8	4.5	4.1	4.1
17.5°	40.3	38.5	36.9	36.6	35.8	26.0	13.6	6.8	5.3	5.3	4.1
20°	61.8	61.5	58.1	53.9	50.1	38.5	18.5	8.7	7.2	5.3	5.3
22.5°	81.1	71.3	66.4	60.3	56.9	46.0	18.8	9.4	8.3	6.4	4.9
25°	110.8	100.3	94.6	86.3	83.3	57.7	20.7	12.1	9.4	6.8	5.7
27.5°	135.0	127.4	124.0	119.9	109.7	71.6	24.1	12.8	9.4	7.5	5.7
30°	157.2	157.6	147.4	134.6	124.4	85.6	25.6	13.9	9.8	7.2	5.7
32.5°	206.6	194.5	177.2	165.9	155.3	98.4	27.9	15.1	9.4	7.2	5.7
35°	235.2	216.8	207.0	196.8	183.2	117.2	30.5	14.7	9.4	6.8	5.3
37.5°	258.6	244.7	234.9	220.2	205.8	131.6	32.0	13.6	9.0	6.4	4.5
40°	288.0	278.2	260.5	247.7	233.0	137.6	33.2	12.4	8.3	5.7	3.8
42.5°	322.3	308.0	291.4	279.4	254.5	156.5	36.6	11.7	7.5	4.9	3.4
45°	358.1	339.7	329.1	303.9	274.8	170.0	39.2	11.3	6.8	4.1	2.6
47.5°	391.7	380.4	357.4	325.3	312.2	191.1	38.5	10.6	6.0	3.4	1.9
50°	438.1	422.6	391.3	373.2	351.7	208.1	37.3	10.2	5.3	3.0	1.5
52.5°	502.9	470.1	445.6	424.9	388.7	231.9	36.6	9.4	4.5	2.3	0.8
55°	607.7	556.4	526.3	487.5	447.9	259.8	34.7	8.3	4.1	1.9	0.8
57.5°	861.8	806.4	741.6	667.7	597.2	325.0	33.9	7.5	3.4	1.1	0.4
60°	1312.3	1276.1	1180.8	1061.2	961.3	457.3	36.6	6.4	2.6	0.8	0.4
62.5°	1575.1	1541.9	1474.1	1387.7	1253.5	596.0	41.1	5.3	1.9	0.8	0.4
63°	1592.1	1565.3	1498.6	1413.7	1292.7	615.3	43.4	5.3	1.9	0.8	0.4
65°	1560.4	1537.0	1499.7	1433.7	1354.9	671.1	50.1	4.9	1.5	0.8	0.4
67.5°	1401.3	1376.4	1350.8	1323.3	1267.1	689.2	55.0	4.5	1.1	0.8	0.4
70°	1158.9	1136.3	1108.4	1096.3	1065.8	644.3	57.7	4.1	1.1	0.8	0.4
72.5°	846.0	820.0	797.3	764.5	735.5	487.5	42.6	4.1	0.8	0.8	0.4
75°	429.8	402.6	350.2	325.7	300.5	204.3	17.3	3.4	0.8	0.8	0.4
77.5°	125.5	112.7	91.2	73.9	56.2	36.6	6.4	2.3	0.8	0.8	0.4
80°	74.3	63.0	52.0	41.1	33.2	17.7	3.8	1.5	0.8	1.1	0.4
82.5°	60.7	54.3	44.9	36.9	29.0	13.2	2.6	1.5	1.1	1.1	0.4
85°	35.1	31.7	26.8	21.5	18.1	9.4	1.9	1.5	1.1	1.5	0.4
87.5°	12.8	11.7	10.9	10.6	9.8	6.8	1.9	1.9	1.5	1.9	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: P179324

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	10.6	10.6	10.6	10.6	10.6
2.5°	6.8	7.2	7.2	7.2	7.2
5°	6.4	6.4	5.7	4.5	4.5
7.5°	2.6	3.0	3.0	3.0	3.0
10°	2.3	3.8	4.1	4.1	4.1
12.5°	3.4	3.4	3.8	3.8	4.1
15°	3.4	4.1	4.5	4.5	4.5
17.5°	4.5	3.8	4.1	4.1	4.5
20°	4.1	4.5	4.5	4.5	4.5
22.5°	4.9	4.5	4.1	4.5	4.5
25°	4.5	4.5	4.1	4.1	4.1
27.5°	4.5	4.1	4.1	4.1	4.1
30°	4.5	4.1	3.8	3.8	3.8
32.5°	4.1	3.8	3.8	3.4	3.4
35°	3.8	3.0	3.4	3.4	3.4
37.5°	3.4	2.6	2.6	3.0	2.6
40°	2.6	2.3	1.9	2.3	2.3
42.5°	1.9	1.5	1.5	1.5	1.5
45°	1.5	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°	1.1	0.8	0.8	0.4	0.4
82.5°	1.1	1.1	1.1	0.8	0.4
85°	1.5	1.1	1.1	1.1	0.4
87.5°	1.9	1.5	1.5	1.1	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)