

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: P179394

Luminaire Tested: **UTLD-F02-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179394
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-F02-LED-E-U-T4-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2619.7 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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

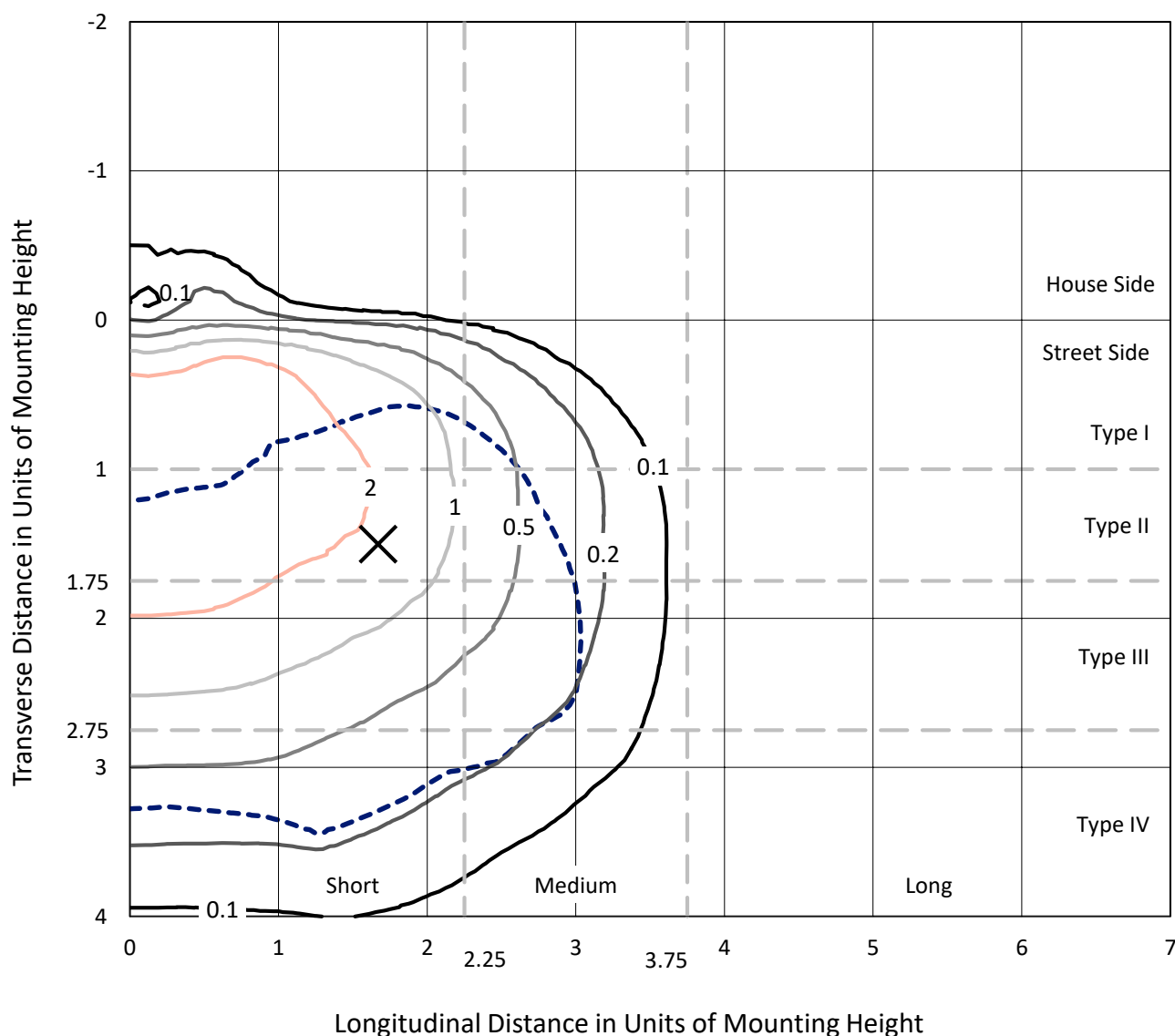


REPORT NUMBER: P179394

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

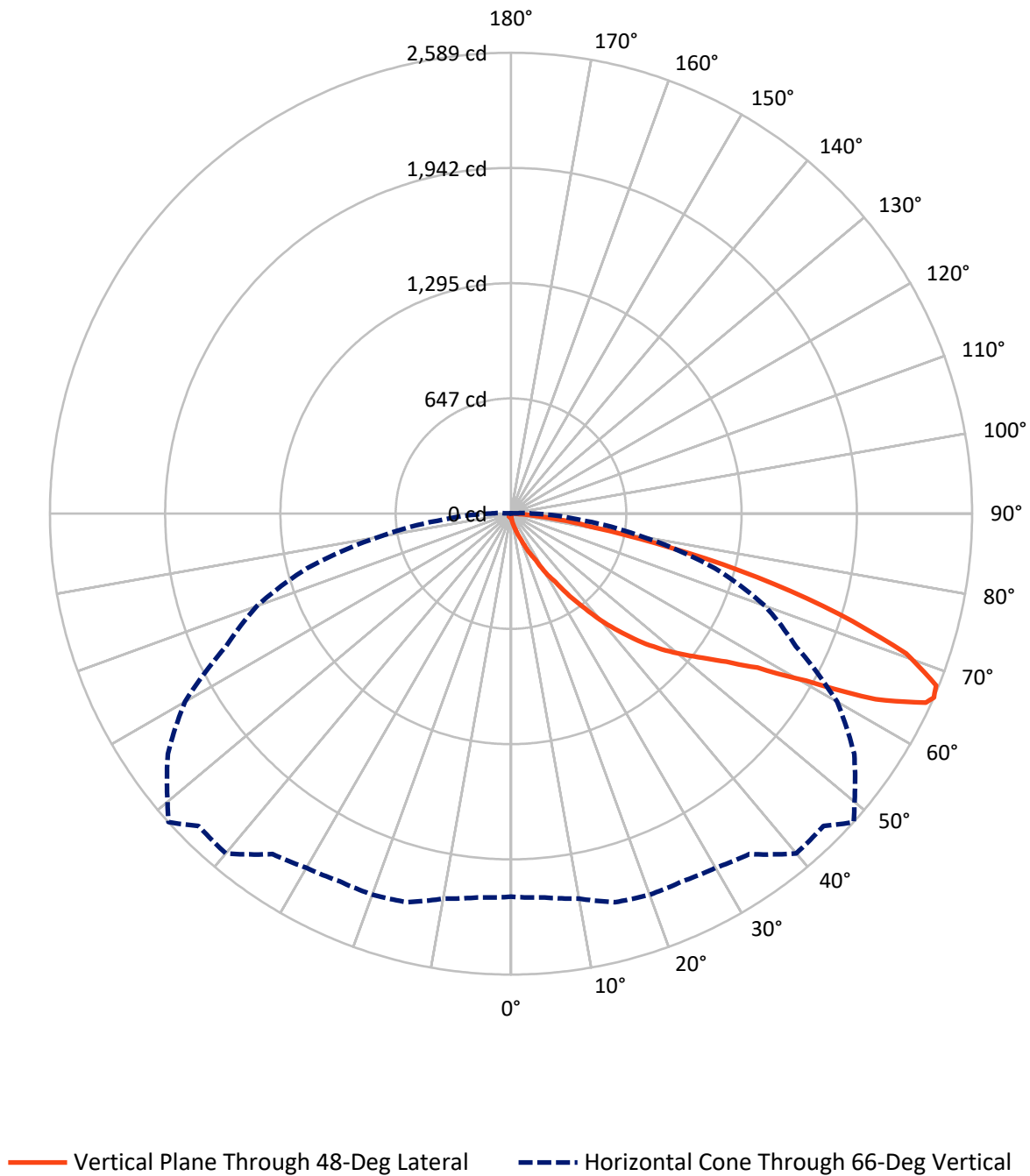


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179394

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P179394

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

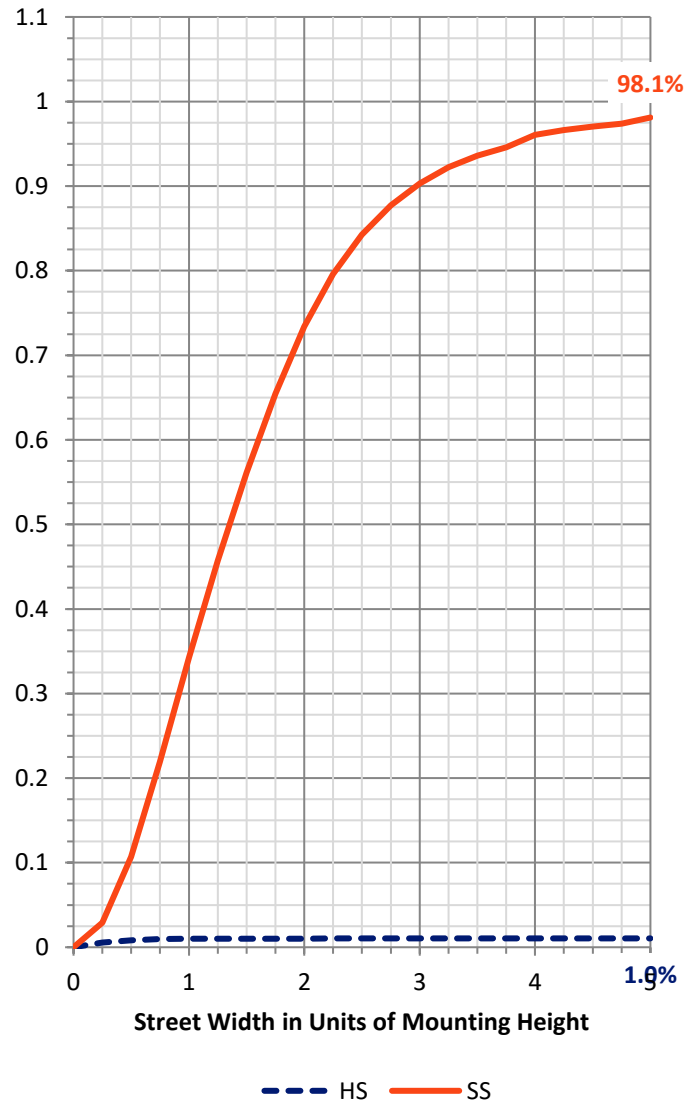
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.1	0.0	28.1
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	2591.6	0.0	2591.6
	% Fixture	98.9	0.0	98.9
Total	Lumens	2619.7	0.0	2619.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	16.3	0.6
20°-30°	62.2	2.4
30°-40°	174.3	6.7
40°-50°	338.4	12.9
50°-60°	554.5	21.2
60°-70°	903.8	34.5
70°-80°	509.4	19.4
80°-90°	58.3	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°	2619.7	100.0
0°-180°	2619.7	100.0

Coefficient of Utilization



REPORT NUMBER: P179394

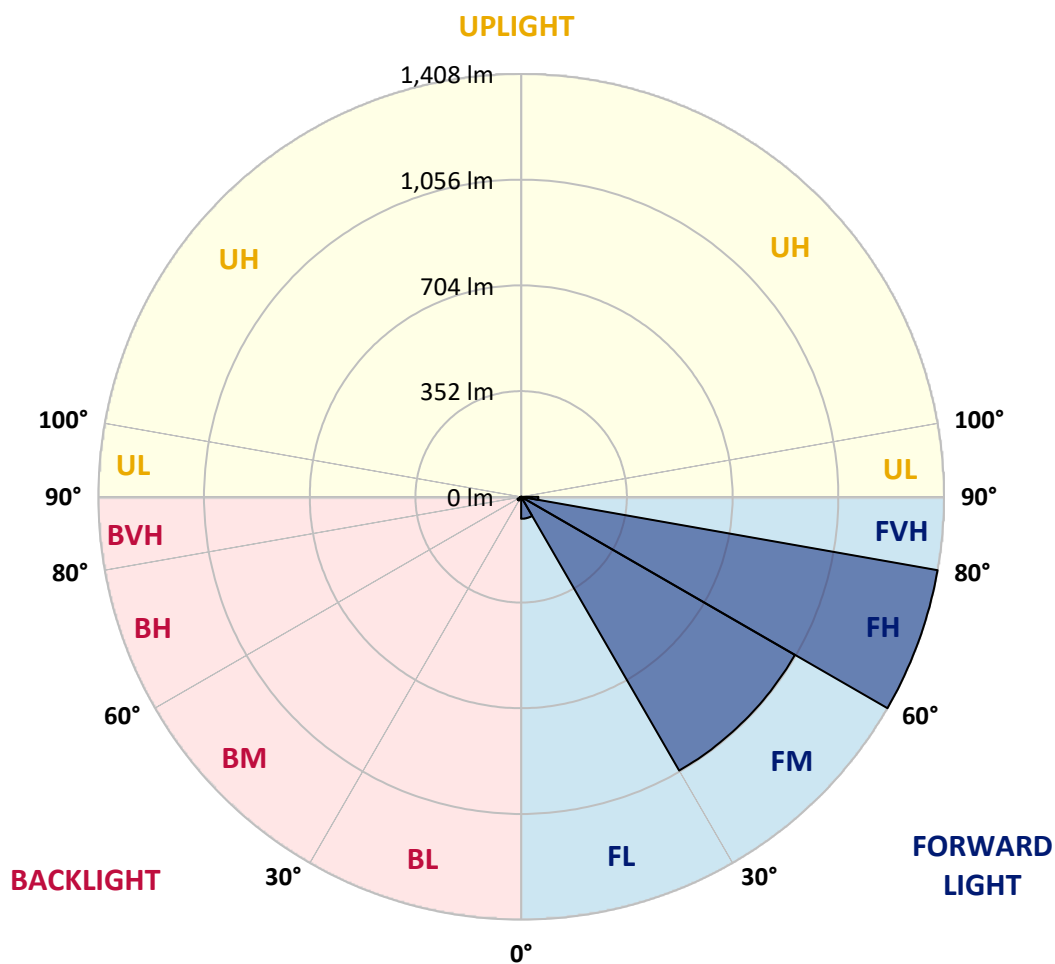
CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.3	2.8			
FM	(30°-60°)	1052.8	40.2			
FH	(60°-80°)	1408.2	53.8			G1/1800
FVH	(80°-90°)	57.3	2.2			G1/100
BL	(0°-30°)	7.7	0.3	B0/110		
BM	(30°-60°)	14.5	0.6	B0/220		
BH	(60°-80°)	5.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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: P179394

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	26.4	26.4	26.4	26.4	25.6	24.9	24.9	24.1	24.1	24.1	24.1
5°	38.5	38.5	36.2	35.4	33.9	33.2	31.7	30.9	30.2	28.7	28.7
7.5°	61.1	60.3	60.3	59.6	58.8	57.3	55.0	53.5	51.3	39.2	36.2
10°	77.7	78.4	76.9	76.2	71.6	69.4	66.4	63.3	62.6	57.3	54.3
12.5°	107.1	107.8	106.3	105.6	102.5	100.3	95.0	91.2	76.2	70.1	69.4
15°	153.1	153.1	145.5	130.4	125.9	120.6	112.3	110.8	111.6	101.8	89.0
17.5°	178.7	179.5	177.2	173.4	168.9	163.6	158.3	140.2	130.4	122.1	118.4
20°	243.5	243.5	239.0	231.5	204.3	193.8	193.0	184.0	177.2	156.1	147.8
22.5°	281.2	285.0	279.7	274.5	265.4	268.4	255.6	217.2	217.9	198.3	190.8
25°	369.5	370.2	361.9	355.9	352.9	307.6	295.6	301.6	278.2	253.3	247.3
27.5°	459.9	465.2	415.5	404.1	404.1	394.3	398.9	355.9	349.9	318.9	294.8
30°	527.8	530.1	521.8	502.2	494.6	492.4	453.2	456.2	419.2	371.7	387.6
32.5°	650.7	654.5	638.6	631.1	577.6	557.2	533.1	533.8	488.6	481.0	456.2
35°	800.0	803.8	783.4	719.3	710.3	681.6	668.0	615.3	607.0	567.8	567.8
37.5°	898.8	885.9	867.1	843.0	848.2	810.5	766.8	758.5	713.3	683.9	675.6
40°	972.7	976.4	974.9	962.8	936.5	901.0	886.7	866.3	829.4	800.0	803.8
42.5°	1036.7	1044.3	1050.3	1033.0	1011.9	996.8	976.4	963.6	933.4	896.5	914.6
45°	1100.8	1106.9	1119.7	1109.1	1094.0	1091.8	1042.8	1054.8	1030.7	1001.3	1031.5
47.5°	1175.5	1181.5	1191.3	1192.1	1190.6	1158.9	1118.2	1136.3	1131.0	1095.6	1137.8
50°	1259.2	1259.9	1277.3	1289.3	1266.0	1241.1	1201.9	1210.9	1219.2	1192.1	1241.1
52.5°	1349.6	1359.5	1372.3	1380.6	1348.1	1336.1	1302.9	1301.4	1318.7	1290.8	1343.6
55°	1486.9	1491.4	1497.4	1500.4	1458.2	1462.7	1414.5	1410.0	1435.6	1405.4	1468.0
57.5°	1659.5	1671.6	1684.4	1678.4	1634.7	1630.9	1565.3	1543.4	1587.9	1569.8	1631.6
60°	1921.9	1933.2	1943.0	1949.8	1925.7	1911.4	1810.3	1794.5	1869.1	1832.2	1906.1
62.5°	2196.4	2208.4	2219.8	2267.3	2242.4	2224.3	2162.5	2162.5	2253.7	2226.5	2297.4
65°	2192.6	2210.0	2235.6	2298.2	2309.5	2301.2	2298.9	2327.6	2469.3	2460.3	2559.8
66°	2151.9	2164.0	2196.4	2259.7	2277.8	2278.6	2297.4	2334.4	2491.2	2481.4	2589.2
67.5°	2056.9	2072.0	2106.7	2182.1	2200.9	2215.2	2264.2	2293.6	2470.1	2464.1	2574.9
70°	1842.0	1848.8	1881.2	1959.6	2004.9	1997.3	2071.2	2082.5	2253.7	2275.6	2354.0
72.5°	1419.0	1410.0	1508.7	1617.3	1691.2	1662.6	1716.1	1719.1	1864.6	1862.4	1924.9
75°	754.7	760.0	821.9	966.6	1237.3	1245.6	1256.2	1255.4	1373.8	1373.0	1428.8
77.5°	477.3	490.1	513.5	557.2	692.9	791.7	830.1	814.3	866.3	884.4	913.1
80°	193.0	201.3	229.2	300.8	463.0	501.4	513.5	490.1	499.9	475.8	475.8
82.5°	64.1	64.8	73.9	93.5	237.5	331.8	341.6	288.8	284.3	276.0	276.0
85°	34.7	34.7	36.2	49.0	92.0	178.7	196.0	131.9	129.7	110.1	101.8
87.5°	3.0	3.8	3.0	8.3	14.3	27.1	31.7	33.2	37.7	43.0	34.7
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: P179394

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	24.1	24.1	24.1	24.9	24.9	24.1	23.4	21.1	20.4	18.8	17.3
5°	27.9	27.1	25.6	24.9	24.1	23.4	23.4	21.9	18.8	16.6	14.3
7.5°	35.4	31.7	29.4	27.9	25.6	23.4	22.6	22.6	18.1	15.1	13.6
10°	52.8	51.3	39.2	33.9	30.9	28.7	27.1	27.9	22.6	18.1	17.3
12.5°	67.9	64.1	57.3	45.2	35.4	32.4	29.4	26.4	22.6	18.1	15.8
15°	85.2	76.2	69.4	61.8	50.5	41.5	36.2	33.9	27.9	23.4	20.4
17.5°	114.6	111.6	86.0	75.4	64.8	46.7	40.7	33.2	29.4	22.6	20.4
20°	143.3	131.9	112.3	98.8	84.4	65.6	52.0	43.7	35.4	30.2	27.1
22.5°	181.7	171.2	150.0	117.6	100.3	83.7	59.6	52.0	40.7	33.9	30.2
25°	245.8	211.1	186.2	163.6	136.5	110.1	75.4	56.5	45.2	37.7	33.2
27.5°	295.6	275.2	244.3	208.9	159.8	127.4	95.0	64.8	50.5	41.5	35.4
30°	401.1	333.3	322.7	273.7	209.6	151.6	108.6	74.6	52.8	42.2	36.2
32.5°	466.0	443.3	390.6	337.0	275.2	203.6	136.5	82.9	56.5	43.0	38.5
35°	581.3	526.3	498.4	442.6	358.1	260.9	163.6	98.8	56.5	43.7	37.7
37.5°	700.5	642.4	588.9	531.6	432.8	310.6	197.5	111.6	60.3	41.5	35.4
40°	797.7	741.9	668.8	613.0	495.4	362.7	238.3	119.9	58.1	40.0	32.4
42.5°	907.8	841.5	761.5	701.2	567.8	433.5	271.4	141.0	59.6	38.5	29.4
45°	1011.1	939.5	858.8	774.4	637.9	501.4	309.9	153.1	64.8	37.7	26.4
47.5°	1107.6	1032.2	956.1	837.7	724.6	573.0	368.7	182.5	69.4	35.4	24.1
50°	1194.3	1122.7	1038.2	904.0	795.5	626.6	425.3	203.6	74.6	32.4	21.9
52.5°	1293.1	1219.2	1109.1	974.2	861.1	695.2	475.8	232.2	81.4	29.4	19.6
55°	1415.2	1322.5	1216.2	1089.5	938.0	783.4	533.1	259.4	90.5	26.4	17.3
57.5°	1566.8	1488.4	1379.8	1231.3	1053.3	870.1	602.4	294.1	98.8	24.1	15.8
60°	1842.8	1741.0	1638.4	1463.5	1225.2	1008.8	686.1	339.3	112.3	21.9	14.3
62.5°	2234.1	2123.2	1957.4	1704.0	1449.2	1140.0	768.3	384.5	127.4	19.6	13.6
65°	2482.9	2330.6	2108.9	1779.4	1531.4	1200.4	775.1	383.8	128.9	18.1	12.1
66°	2518.3	2352.5	2114.2	1765.9	1519.3	1185.3	757.0	378.5	126.7	16.6	11.3
67.5°	2514.6	2331.3	2075.0	1709.3	1459.0	1131.7	698.2	352.1	119.9	15.8	10.6
70°	2317.8	2135.3	1864.6	1514.0	1275.8	977.9	600.2	302.4	102.5	13.6	9.0
72.5°	1924.9	1752.3	1507.2	1200.4	1028.4	773.6	459.9	237.5	80.7	11.3	7.5
75°	1422.0	1256.9	1070.7	833.9	677.1	489.3	286.5	153.8	52.8	9.0	6.0
77.5°	887.5	748.0	567.8	424.5	315.9	203.6	101.0	52.0	22.6	7.5	4.5
80°	468.2	381.5	275.2	199.1	146.3	91.2	46.7	24.1	12.1	6.0	3.0
82.5°	269.9	227.0	168.1	125.2	98.0	64.1	34.7	19.6	9.0	3.8	2.3
85°	97.3	83.7	93.5	70.9	53.5	35.4	24.9	15.8	6.0	3.0	2.3
87.5°	36.2	29.4	26.4	22.6	21.9	21.9	20.4	12.1	3.8	2.3	2.3
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: P179394

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	16.6	15.1	15.1	14.3	14.3	13.6	13.6	13.6	13.6	13.6	14.3
5°	13.6	12.8	12.8	12.8	12.1	12.1	13.6	14.3	15.1	15.8	15.1
7.5°	13.6	12.8	12.1	12.8	14.3	11.3	9.0	8.3	7.5	8.3	8.3
10°	15.1	14.3	15.8	10.6	7.5	6.8	7.5	7.5	7.5	9.8	12.1
12.5°	15.1	15.8	12.1	10.6	10.6	9.8	12.1	10.6	10.6	10.6	10.6
15°	20.4	15.1	12.8	11.3	12.8	13.6	13.6	12.8	11.3	10.6	12.8
17.5°	17.3	15.8	15.1	18.1	16.6	14.3	12.8	14.3	15.1	13.6	12.1
20°	24.1	21.9	21.1	18.1	16.6	16.6	17.3	14.3	13.6	13.6	15.1
22.5°	25.6	23.4	24.1	22.6	21.9	17.3	16.6	15.8	15.8	14.3	14.3
25°	30.9	31.7	27.9	24.1	21.9	20.4	18.8	15.8	15.8	14.3	15.1
27.5°	33.2	30.9	27.9	26.4	24.1	19.6	18.8	16.6	15.1	15.1	13.6
30°	34.7	31.7	29.4	26.4	23.4	21.1	18.8	15.8	14.3	14.3	13.6
32.5°	36.9	33.2	27.9	24.9	22.6	18.8	18.1	15.1	13.6	12.1	12.1
35°	33.9	30.2	26.4	23.4	19.6	17.3	15.8	14.3	12.1	11.3	10.6
37.5°	30.2	26.4	23.4	20.4	18.1	15.8	14.3	12.1	10.6	9.8	9.0
40°	27.1	22.6	20.4	17.3	15.8	13.6	12.1	9.8	8.3	7.5	6.8
42.5°	24.1	19.6	17.3	15.1	12.8	11.3	9.8	7.5	6.0	5.3	4.5
45°	21.1	17.3	14.3	12.8	10.6	9.0	7.5	5.3	3.8	3.0	2.3
47.5°	18.8	15.1	12.8	10.6	9.0	6.8	5.3	3.0	2.3	1.5	0.8
50°	16.6	12.8	10.6	9.0	6.8	5.3	3.8	2.3	1.5	0.8	0.8
52.5°	14.3	11.3	9.8	7.5	6.0	3.8	2.3	1.5	0.8	0.8	0.0
55°	12.8	10.6	8.3	6.0	4.5	3.0	1.5	0.8	0.8	0.0	0.0
57.5°	12.1	9.8	6.8	4.5	3.8	2.3	1.5	0.8	0.8	0.0	0.0
60°	11.3	8.3	5.3	3.8	3.0	1.5	0.8	0.8	0.8	0.0	0.0
62.5°	10.6	6.8	4.5	3.0	2.3	1.5	0.8	0.8	0.8	0.8	0.0
65°	8.3	5.3	3.0	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8
66°	7.5	4.5	3.0	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8
67.5°	6.8	4.5	2.3	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8
70°	5.3	3.0	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8
72.5°	4.5	3.0	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8
75°	3.8	2.3	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8
77.5°	3.0	2.3	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8
80°	2.3	2.3	1.5	1.5	1.5	1.5	0.8	1.5	1.5	0.8	0.8
82.5°	2.3	1.5	1.5	1.5	1.5	2.3	0.8	1.5	1.5	1.5	1.5
85°	2.3	1.5	1.5	2.3	2.3	2.3	0.8	2.3	2.3	2.3	1.5
87.5°	2.3	2.3	2.3	2.3	3.0	3.0	1.5	3.0	3.0	3.0	2.3
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: P179394

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	20.4	20.4	20.4	20.4	20.4
2.5°	14.3	15.1	15.1	15.1	15.1
5°	15.1	13.6	14.3	14.3	14.3
7.5°	9.0	9.0	9.0	9.0	9.0
10°	12.8	12.8	12.8	12.8	12.8
12.5°	11.3	12.1	12.1	12.1	12.1
15°	13.6	14.3	14.3	14.3	15.1
17.5°	12.1	12.1	13.6	12.8	13.6
20°	14.3	14.3	14.3	14.3	14.3
22.5°	12.8	12.8	14.3	15.1	15.1
25°	14.3	13.6	13.6	13.6	13.6
27.5°	13.6	14.3	14.3	14.3	14.3
30°	12.8	12.1	12.8	12.8	13.6
32.5°	12.1	12.1	12.1	12.1	12.1
35°	10.6	10.6	10.6	11.3	11.3
37.5°	8.3	8.3	9.0	9.0	9.0
40°	6.8	6.0	6.0	6.8	6.8
42.5°	4.5	3.8	3.8	3.8	3.8
45°	2.3	1.5	1.5	1.5	1.5
47.5°	0.8	0.8	0.8	0.8	0.8
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°	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0	0.0
72.5°	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.0	0.0
80°	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.0
85°	1.5	1.5	1.5	1.5	0.0
87.5°	2.3	2.3	2.3	2.3	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)