

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: P179393

Luminaire Tested: **UTLD-F02-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179393
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2420.7 lumens
Efficiency: N/A
Efficacy: 44.0 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

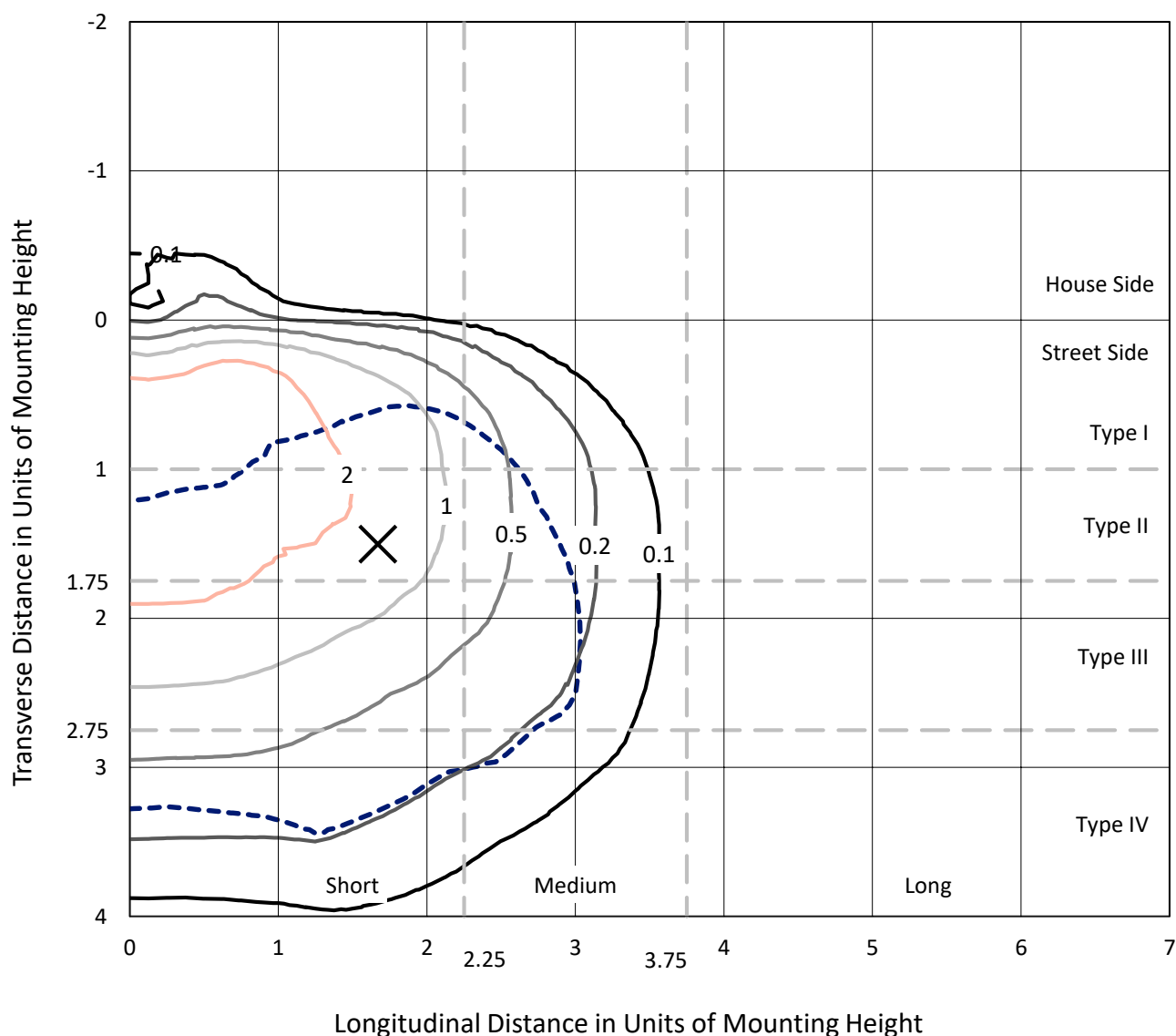


REPORT NUMBER: P179393

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

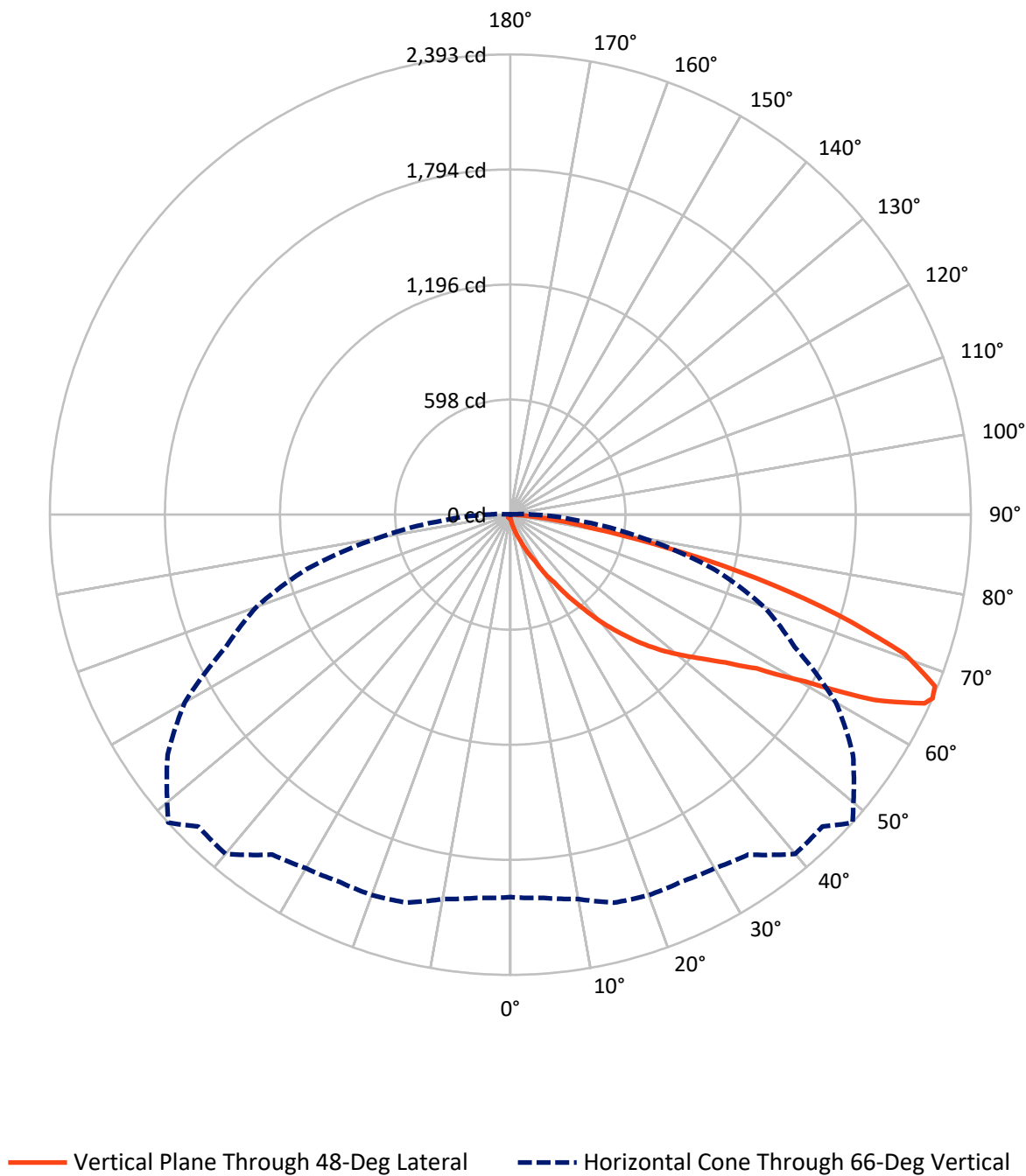


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179393

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P179393

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

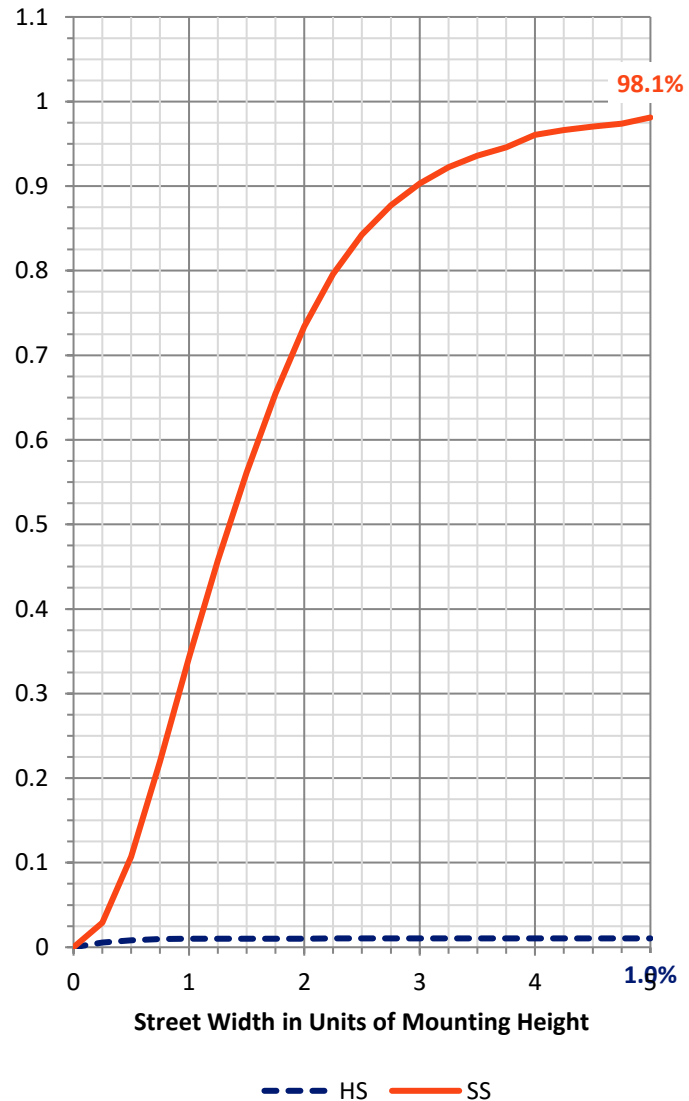
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.9	0.0	25.9
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	2394.8	0.0	2394.8
	% Fixture	98.9	0.0	98.9
Total	Lumens	2420.7	0.0	2420.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	15.0	0.6
20°-30°	57.5	2.4
30°-40°	161.1	6.7
40°-50°	312.7	12.9
50°-60°	512.4	21.2
60°-70°	835.2	34.5
70°-80°	470.7	19.4
80°-90°	53.8	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°	2420.7	100.0
0°-180°	2420.7	100.0

Coefficient of Utilization



REPORT NUMBER: P179393

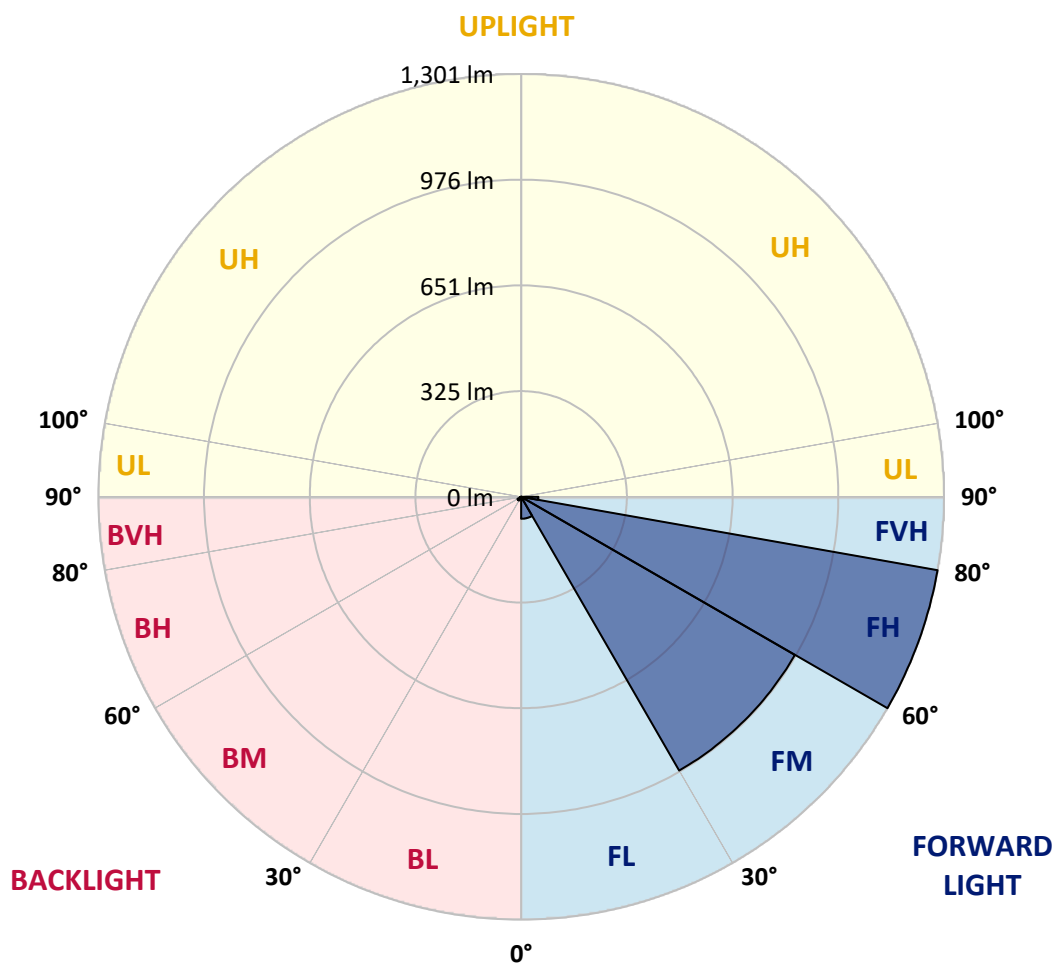
CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.7	2.8			
FM	(30°-60°)	972.8	40.2			
FH	(60°-80°)	1301.3	53.8			G1/1800
FVH	(80°-90°)	53.0	2.2			G1/100
BL	(0°-30°)	7.1	0.3	B0/110		
BM	(30°-60°)	13.4	0.6	B0/220		
BH	(60°-80°)	4.6	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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: P179393

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	24.4	24.4	24.4	24.4	23.7	23.0	23.0	22.3	22.3	22.3	22.3
5°	35.5	35.5	33.4	32.7	31.4	30.7	29.3	28.6	27.9	26.5	26.5
7.5°	56.4	55.7	55.7	55.0	54.3	53.0	50.9	49.5	47.4	36.2	33.4
10°	71.8	72.5	71.1	70.4	66.2	64.1	61.3	58.5	57.8	53.0	50.2
12.5°	98.9	99.6	98.2	97.5	94.8	92.7	87.8	84.3	70.4	64.8	64.1
15°	141.4	141.4	134.5	120.5	116.4	111.5	103.8	102.4	103.1	94.1	82.2
17.5°	165.1	165.8	163.7	160.2	156.1	151.2	146.3	129.6	120.5	112.9	109.4
20°	225.0	225.0	220.9	213.9	188.8	179.1	178.4	170.0	163.7	144.2	136.6
22.5°	259.9	263.4	258.5	253.6	245.3	248.0	236.2	200.7	201.4	183.2	176.3
25°	341.4	342.1	334.4	328.9	326.1	284.3	273.1	278.7	257.1	234.1	228.5
27.5°	425.0	429.9	383.9	373.5	373.5	364.4	368.6	328.9	323.3	294.7	272.4
30°	487.7	489.8	482.1	464.0	457.1	455.0	418.7	421.5	387.4	343.5	358.1
32.5°	601.3	604.8	590.1	583.2	533.7	514.9	492.6	493.3	451.5	444.5	421.5
35°	739.2	742.7	723.9	664.7	656.3	629.8	617.3	568.5	560.9	524.6	524.6
37.5°	830.5	818.7	801.2	779.0	783.8	749.0	708.6	700.9	659.1	631.9	624.3
40°	898.8	902.3	900.9	889.7	865.3	832.6	819.4	800.5	766.4	739.2	742.7
42.5°	958.0	965.0	970.6	954.5	935.0	921.1	902.3	890.4	862.6	828.4	845.1
45°	1017.2	1022.8	1034.7	1024.9	1011.0	1008.9	963.6	974.7	952.4	925.3	953.1
47.5°	1086.2	1091.8	1100.8	1101.5	1100.1	1070.9	1033.3	1050.0	1045.1	1012.4	1051.4
50°	1163.5	1164.2	1180.3	1191.4	1169.8	1146.8	1110.6	1119.0	1126.6	1101.5	1146.8
52.5°	1247.2	1256.2	1268.1	1275.7	1245.8	1234.6	1204.0	1202.6	1218.6	1192.8	1241.6
55°	1374.0	1378.1	1383.7	1386.5	1347.5	1351.7	1307.1	1302.9	1326.6	1298.7	1356.5
57.5°	1533.5	1544.7	1556.5	1550.9	1510.5	1507.0	1446.4	1426.2	1467.3	1450.6	1507.7
60°	1776.0	1786.4	1795.5	1801.8	1779.5	1766.2	1672.9	1658.2	1727.2	1693.1	1761.3
62.5°	2029.6	2040.7	2051.2	2095.1	2072.1	2055.4	1998.2	1998.2	2082.5	2057.5	2123.0
65°	2026.1	2042.1	2065.8	2123.6	2134.1	2126.4	2124.3	2150.8	2281.8	2273.4	2365.4
66°	1988.5	1999.6	2029.6	2088.1	2104.8	2105.5	2123.0	2157.1	2302.0	2293.0	2392.6
67.5°	1900.7	1914.6	1946.7	2016.4	2033.8	2047.0	2092.3	2119.5	2282.5	2276.9	2379.4
70°	1702.1	1708.4	1738.4	1810.8	1852.6	1845.7	1913.9	1924.4	2082.5	2102.7	2175.2
72.5°	1311.3	1302.9	1394.2	1494.5	1562.8	1536.3	1585.8	1588.6	1723.0	1720.9	1778.8
75°	697.4	702.3	759.4	893.2	1143.3	1151.0	1160.8	1160.1	1269.5	1268.8	1320.3
77.5°	441.0	452.9	474.5	514.9	640.3	731.6	767.1	752.5	800.5	817.3	843.7
80°	178.4	186.0	211.8	278.0	427.8	463.3	474.5	452.9	461.9	439.6	439.6
82.5°	59.2	59.9	68.3	86.4	219.5	306.6	315.6	266.8	262.7	255.0	255.0
85°	32.0	32.0	33.4	45.3	85.0	165.1	181.2	121.9	119.8	101.7	94.1
87.5°	2.8	3.5	2.8	7.7	13.2	25.1	29.3	30.7	34.8	39.7	32.0
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: P179393

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	22.3	22.3	22.3	23.0	23.0	22.3	21.6	19.5	18.8	17.4	16.0
5°	25.8	25.1	23.7	23.0	22.3	21.6	21.6	20.2	17.4	15.3	13.2
7.5°	32.7	29.3	27.2	25.8	23.7	21.6	20.9	20.9	16.7	13.9	12.5
10°	48.8	47.4	36.2	31.4	28.6	26.5	25.1	25.8	20.9	16.7	16.0
12.5°	62.7	59.2	53.0	41.8	32.7	30.0	27.2	24.4	20.9	16.7	14.6
15°	78.7	70.4	64.1	57.1	46.7	38.3	33.4	31.4	25.8	21.6	18.8
17.5°	105.9	103.1	79.4	69.7	59.9	43.2	37.6	30.7	27.2	20.9	18.8
20°	132.4	121.9	103.8	91.3	78.0	60.6	48.1	40.4	32.7	27.9	25.1
22.5°	167.9	158.2	138.7	108.7	92.7	77.3	55.0	48.1	37.6	31.4	27.9
25°	227.1	195.1	172.1	151.2	126.1	101.7	69.7	52.3	41.8	34.8	30.7
27.5°	273.1	254.3	225.7	193.0	147.7	117.7	87.8	59.9	46.7	38.3	32.7
30°	370.7	308.0	298.2	252.9	193.7	140.0	100.3	69.0	48.8	39.0	33.4
32.5°	430.6	409.7	360.9	311.4	254.3	188.1	126.1	76.6	52.3	39.7	35.5
35°	537.2	486.3	460.5	409.0	330.9	241.1	151.2	91.3	52.3	40.4	34.8
37.5°	647.3	593.6	544.2	491.2	399.9	287.1	182.5	103.1	55.7	38.3	32.7
40°	737.1	685.6	618.0	566.4	457.8	335.1	220.2	110.8	53.6	36.9	30.0
42.5°	838.9	777.6	703.7	648.0	524.6	400.6	250.8	130.3	55.0	35.5	27.2
45°	934.3	868.1	793.6	715.5	589.4	463.3	286.4	141.4	59.9	34.8	24.4
47.5°	1023.5	953.8	883.5	774.1	669.6	529.5	340.7	168.6	64.1	32.7	22.3
50°	1103.6	1037.4	959.4	835.4	735.1	579.0	393.0	188.1	69.0	30.0	20.2
52.5°	1194.9	1126.6	1024.9	900.2	795.7	642.4	439.6	214.6	75.2	27.2	18.1
55°	1307.8	1222.1	1123.8	1006.8	866.7	723.9	492.6	239.7	83.6	24.4	16.0
57.5°	1447.8	1375.4	1275.0	1137.8	973.3	804.0	556.7	271.7	91.3	22.3	14.6
60°	1702.8	1608.8	1514.0	1352.4	1132.2	932.2	634.0	313.5	103.8	20.2	13.2
62.5°	2064.4	1962.0	1808.7	1574.6	1339.1	1053.5	710.0	355.3	117.7	18.1	12.5
65°	2294.4	2153.6	1948.8	1644.3	1415.1	1109.2	716.2	354.6	119.1	16.7	11.1
66°	2327.1	2173.8	1953.6	1631.8	1403.9	1095.3	699.5	349.8	117.1	15.3	10.5
67.5°	2323.6	2154.3	1917.4	1579.5	1348.2	1045.8	645.2	325.4	110.8	14.6	9.8
70°	2141.8	1973.2	1723.0	1399.0	1178.9	903.7	554.6	279.4	94.8	12.5	8.4
72.5°	1778.8	1619.2	1392.8	1109.2	950.3	714.9	425.0	219.5	74.6	10.5	7.0
75°	1314.0	1161.5	989.4	770.6	625.7	452.2	264.8	142.1	48.8	8.4	5.6
77.5°	820.1	691.2	524.6	392.3	291.9	188.1	93.4	48.1	20.9	7.0	4.2
80°	432.7	352.5	254.3	183.9	135.2	84.3	43.2	22.3	11.1	5.6	2.8
82.5°	249.4	209.7	155.4	115.7	90.6	59.2	32.0	18.1	8.4	3.5	2.1
85°	89.9	77.3	86.4	65.5	49.5	32.7	23.0	14.6	5.6	2.8	2.1
87.5°	33.4	27.2	24.4	20.9	20.2	20.2	18.8	11.1	3.5	2.1	2.1
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: P179393

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	15.3	13.9	13.9	13.2	13.2	12.5	12.5	12.5	12.5	12.5	13.2
5°	12.5	11.8	11.8	11.8	11.1	11.1	12.5	13.2	13.9	14.6	13.9
7.5°	12.5	11.8	11.1	11.8	13.2	10.5	8.4	7.7	7.0	7.7	7.7
10°	13.9	13.2	14.6	9.8	7.0	6.3	7.0	7.0	7.0	9.1	11.1
12.5°	13.9	14.6	11.1	9.8	9.8	9.1	11.1	9.8	9.8	9.8	9.8
15°	18.8	13.9	11.8	10.5	11.8	12.5	12.5	11.8	10.5	9.8	11.8
17.5°	16.0	14.6	13.9	16.7	15.3	13.2	11.8	13.2	13.9	12.5	11.1
20°	22.3	20.2	19.5	16.7	15.3	15.3	16.0	13.2	12.5	12.5	13.9
22.5°	23.7	21.6	22.3	20.9	20.2	16.0	15.3	14.6	14.6	13.2	13.2
25°	28.6	29.3	25.8	22.3	20.2	18.8	17.4	14.6	14.6	13.2	13.9
27.5°	30.7	28.6	25.8	24.4	22.3	18.1	17.4	15.3	13.9	13.9	12.5
30°	32.0	29.3	27.2	24.4	21.6	19.5	17.4	14.6	13.2	13.2	12.5
32.5°	34.1	30.7	25.8	23.0	20.9	17.4	16.7	13.9	12.5	11.1	11.1
35°	31.4	27.9	24.4	21.6	18.1	16.0	14.6	13.2	11.1	10.5	9.8
37.5°	27.9	24.4	21.6	18.8	16.7	14.6	13.2	11.1	9.8	9.1	8.4
40°	25.1	20.9	18.8	16.0	14.6	12.5	11.1	9.1	7.7	7.0	6.3
42.5°	22.3	18.1	16.0	13.9	11.8	10.5	9.1	7.0	5.6	4.9	4.2
45°	19.5	16.0	13.2	11.8	9.8	8.4	7.0	4.9	3.5	2.8	2.1
47.5°	17.4	13.9	11.8	9.8	8.4	6.3	4.9	2.8	2.1	1.4	0.7
50°	15.3	11.8	9.8	8.4	6.3	4.9	3.5	2.1	1.4	0.7	0.7
52.5°	13.2	10.5	9.1	7.0	5.6	3.5	2.1	1.4	0.7	0.7	0.0
55°	11.8	9.8	7.7	5.6	4.2	2.8	1.4	0.7	0.7	0.0	0.0
57.5°	11.1	9.1	6.3	4.2	3.5	2.1	1.4	0.7	0.7	0.0	0.0
60°	10.5	7.7	4.9	3.5	2.8	1.4	0.7	0.7	0.7	0.0	0.0
62.5°	9.8	6.3	4.2	2.8	2.1	1.4	0.7	0.7	0.7	0.7	0.0
65°	7.7	4.9	2.8	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.7
66°	7.0	4.2	2.8	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.7
67.5°	6.3	4.2	2.1	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.7
70°	4.9	2.8	2.1	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
72.5°	4.2	2.8	2.1	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
75°	3.5	2.1	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
77.5°	2.8	2.1	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
80°	2.1	2.1	1.4	1.4	1.4	1.4	0.7	1.4	1.4	0.7	0.7
82.5°	2.1	1.4	1.4	1.4	1.4	2.1	0.7	1.4	1.4	1.4	1.4
85°	2.1	1.4	1.4	2.1	2.1	2.1	0.7	2.1	2.1	2.1	1.4
87.5°	2.1	2.1	2.1	2.1	2.8	2.8	1.4	2.8	2.8	2.8	2.1
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: P179393

CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	18.8	18.8	18.8	18.8	18.8
2.5°	13.2	13.9	13.9	13.9	13.9
5°	13.9	12.5	13.2	13.2	13.2
7.5°	8.4	8.4	8.4	8.4	8.4
10°	11.8	11.8	11.8	11.8	11.8
12.5°	10.5	11.1	11.1	11.1	11.1
15°	12.5	13.2	13.2	13.2	13.9
17.5°	11.1	11.1	12.5	11.8	12.5
20°	13.2	13.2	13.2	13.2	13.2
22.5°	11.8	11.8	13.2	13.9	13.9
25°	13.2	12.5	12.5	12.5	12.5
27.5°	12.5	13.2	13.2	13.2	13.2
30°	11.8	11.1	11.8	11.8	12.5
32.5°	11.1	11.1	11.1	11.1	11.1
35°	9.8	9.8	9.8	10.5	10.5
37.5°	7.7	7.7	8.4	8.4	8.4
40°	6.3	5.6	5.6	6.3	6.3
42.5°	4.2	3.5	3.5	3.5	3.5
45°	2.1	1.4	1.4	1.4	1.4
47.5°	0.7	0.7	0.7	0.7	0.7
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°	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0	0.0
72.5°	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.0	0.0
80°	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.0
85°	1.4	1.4	1.4	1.4	0.0
87.5°	2.1	2.1	2.1	2.1	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)