

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: P179315

Luminaire Tested: **UTLD-F03-LED-E-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179315
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34323)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-SL4-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4426.9 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 78.3
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

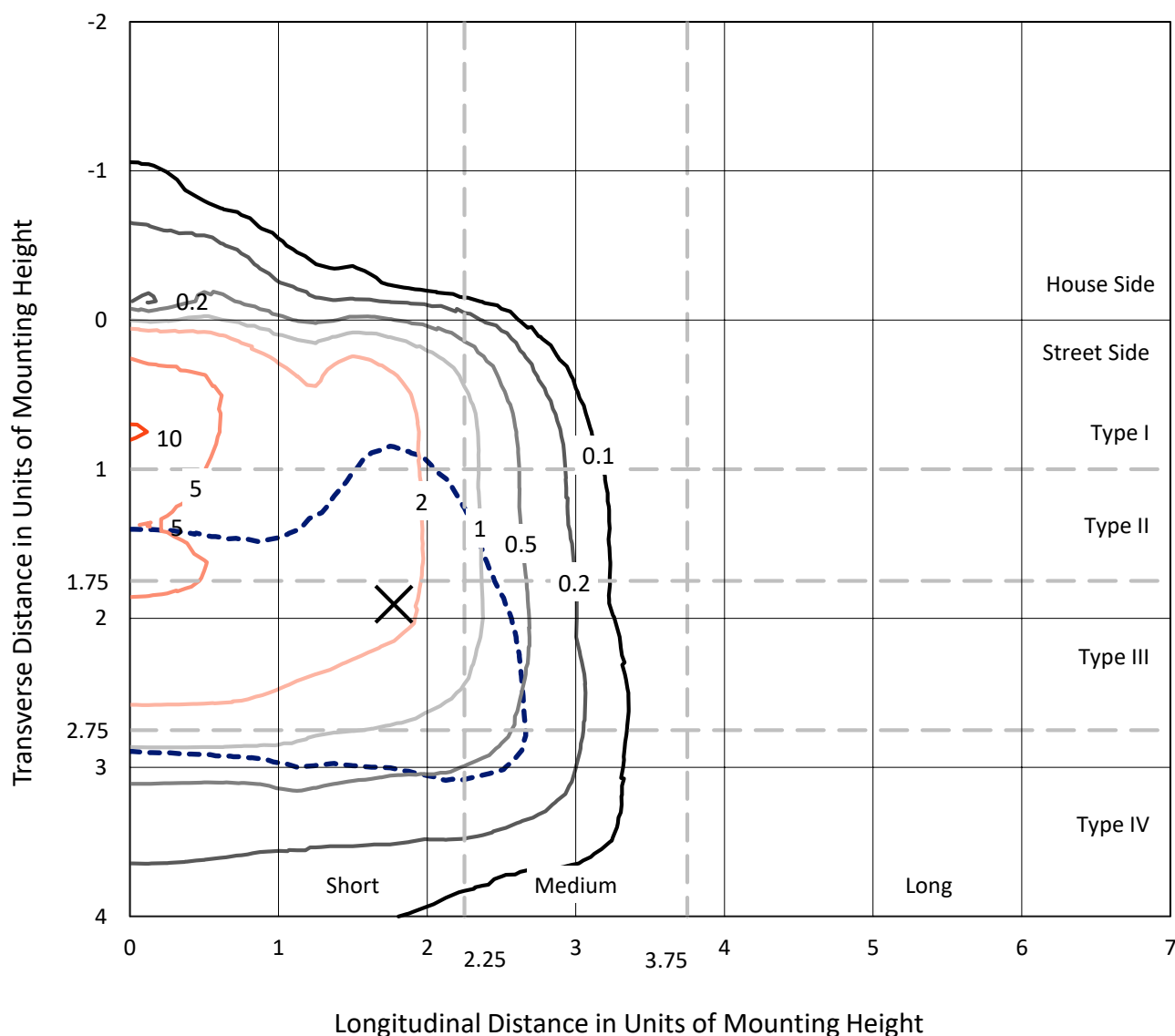


REPORT NUMBER: P179315

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

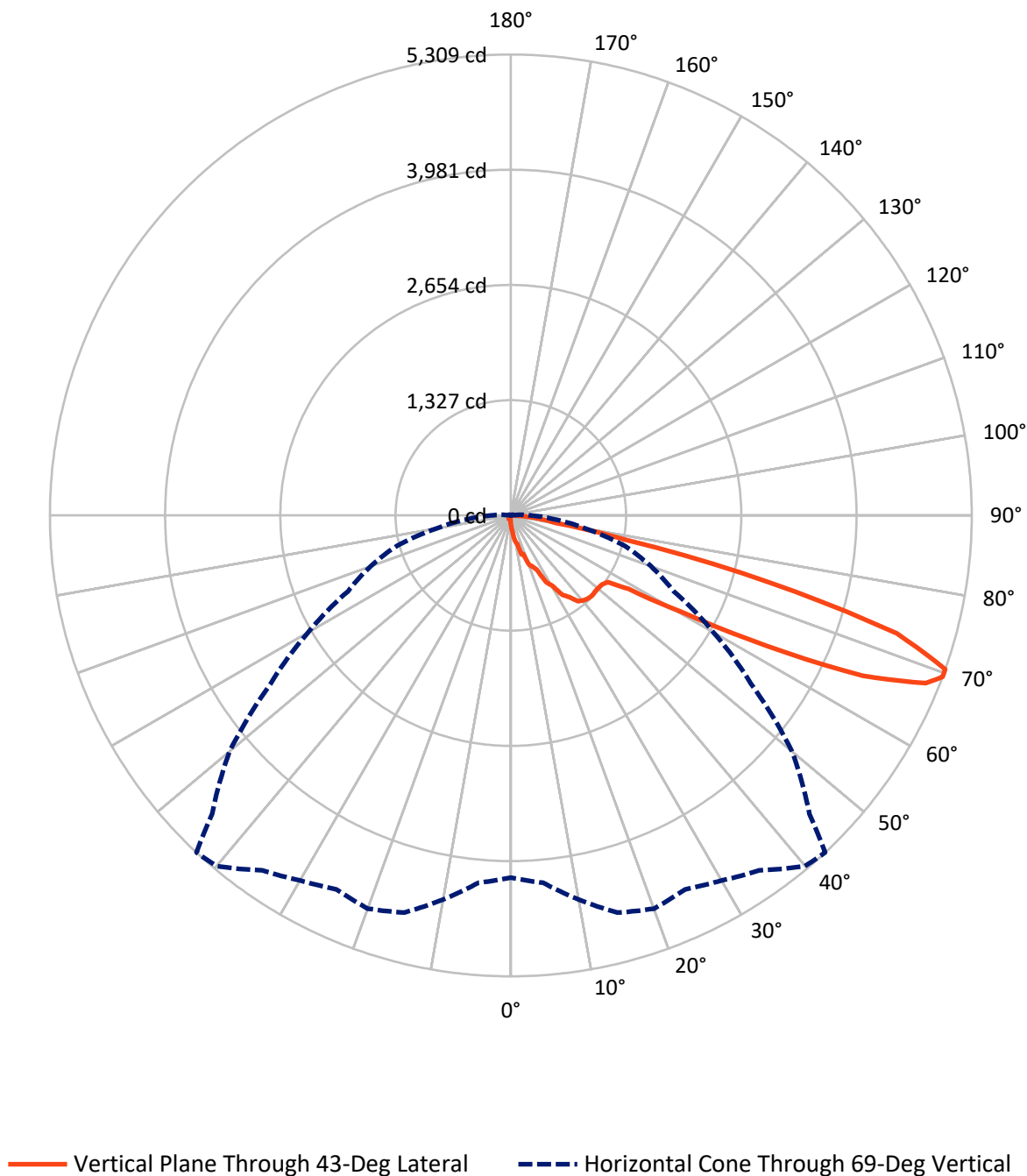


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179315

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P179315

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

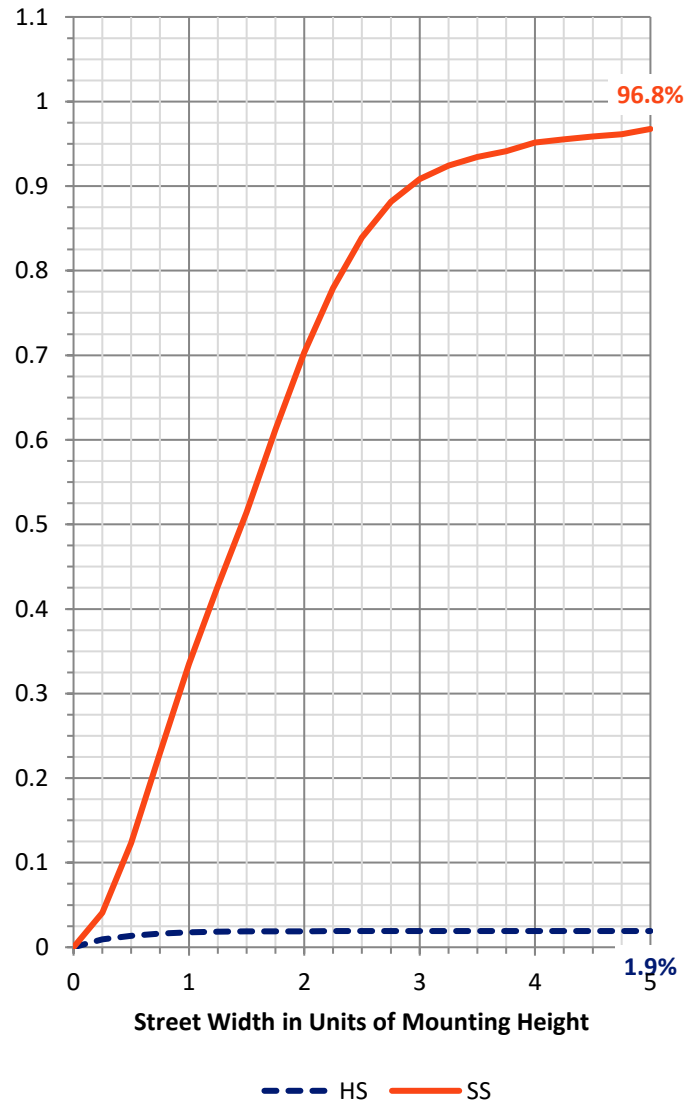
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	85.8	0.0	85.8
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4341.1	0.0	4341.1
	% Fixture	98.1	0.0	98.1
Total	Lumens	4426.9	0.0	4426.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.3
10°-20°	61.4	1.4
20°-30°	169.6	3.8
30°-40°	355.4	8.0
40°-50°	513.4	11.6
50°-60°	796.4	18.0
60°-70°	1681.6	38.0
70°-80°	747.9	16.9
80°-90°	88.8	2.0
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°	4426.9	100.0
0°-180°	4426.9	100.0

Coefficient of Utilization



REPORT NUMBER: P179315

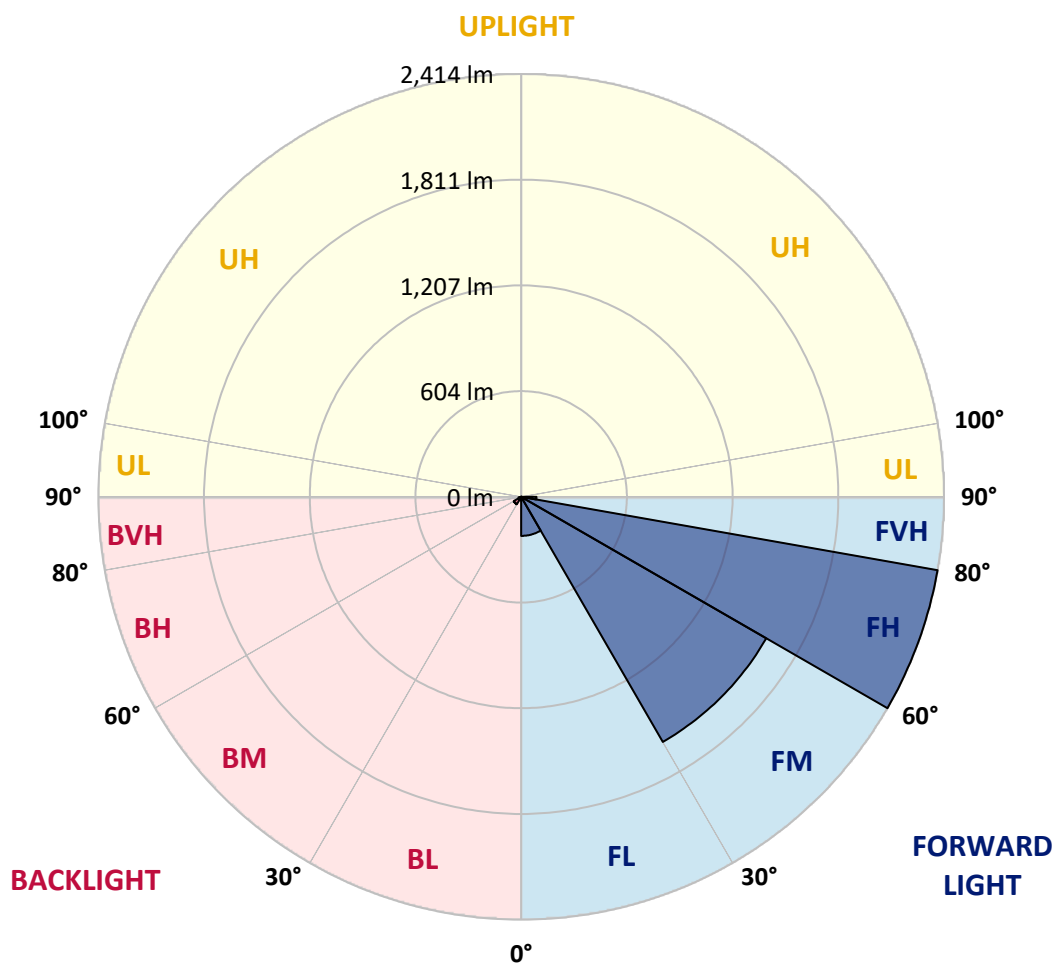
CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.1	5.0			
FM	(30°-60°)	1616.3	36.5			
FH	(60°-80°)	2414.4	54.5			G2/5000
FVH	(80°-90°)	87.3	2.0			G1/100
BL	(0°-30°)	20.3	0.5	B0/110		
BM	(30°-60°)	49.0	1.1	B0/220		
BH	(60°-80°)	15.1	0.3	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G2

Type IV Short





REPORT NUMBER: P179315

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	43°	45°
0°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2.5°	163.5	163.5	162.2	161.0	157.3	156.0	152.3	149.8	151.1	149.8	148.6
5°	209.3	205.6	200.6	193.2	190.7	187.0	184.5	178.3	175.8	174.6	172.1
7.5°	346.7	338.1	333.1	331.9	328.1	324.4	314.5	305.9	297.2	265.0	219.2
10°	372.7	374.0	375.2	367.8	370.2	357.9	345.5	338.1	333.1	314.5	303.4
12.5°	490.4	482.9	481.7	486.6	475.5	469.3	455.7	433.4	359.1	334.3	343.0
15°	568.4	578.3	542.4	499.0	489.1	479.2	450.7	455.7	489.1	466.8	442.1
17.5°	611.7	614.2	608.0	603.0	585.7	574.6	594.4	504.0	494.1	468.1	450.7
20°	766.5	769.0	757.8	705.8	641.4	609.2	627.8	593.1	580.8	606.8	516.4
22.5°	838.3	840.8	830.9	816.0	787.6	793.7	750.4	637.7	646.4	641.4	579.5
25°	1029.0	1035.2	1024.1	999.3	975.8	864.3	817.3	817.3	745.4	688.5	655.1
27.5°	1229.6	1206.1	1131.8	1099.6	1082.3	1025.3	1021.6	894.0	854.4	873.0	760.3
30°	1365.8	1369.5	1357.2	1303.9	1270.5	1255.6	1116.9	1047.6	954.7	938.6	828.4
32.5°	1633.3	1634.5	1608.5	1583.8	1429.0	1363.4	1268.0	1178.8	1041.4	1088.5	947.3
35°	1889.6	1895.8	1826.5	1687.8	1642.0	1518.1	1399.3	1248.2	1156.6	1154.1	1006.7
37.5°	2040.7	2040.7	1988.7	1888.4	1840.1	1669.2	1478.5	1365.8	1201.1	1253.1	1087.2
40°	2232.6	2227.7	2183.1	2065.5	1925.5	1726.2	1573.9	1419.1	1279.2	1286.6	1140.5
42.5°	2309.4	2303.2	2272.3	2153.4	1966.4	1796.8	1597.4	1433.9	1297.7	1307.6	1165.2
45°	2347.8	2341.6	2308.2	2178.1	1982.5	1805.4	1590.0	1425.3	1301.4	1313.8	1178.8
47.5°	2339.1	2330.5	2303.2	2194.2	2030.8	1799.2	1541.7	1406.7	1295.2	1307.6	1183.8
50°	2292.1	2289.6	2264.8	2167.0	2025.8	1774.5	1514.4	1388.1	1294.0	1308.9	1193.7
52.5°	2264.8	2267.3	2243.8	2175.7	1998.6	1765.8	1529.3	1394.3	1301.4	1318.8	1208.6
55°	2621.5	2575.6	2485.2	2342.8	2090.2	1840.1	1599.9	1438.9	1338.6	1355.9	1243.2
57.5°	3804.0	3761.9	3574.9	3229.5	2740.3	2246.3	1872.3	1645.7	1550.3	1597.4	1503.3
60°	4498.7	4450.4	4403.3	4247.3	3838.7	3397.9	2726.7	2357.7	2180.6	2254.9	2162.0
62.5°	4787.2	4783.5	4761.2	4732.7	4449.2	4247.3	3747.1	3390.4	3256.7	3311.2	3114.3
65°	4968.0	4991.5	4996.5	5011.3	4826.8	4673.3	4381.1	4289.4	4466.5	4454.1	4086.3
67.5°	4840.5	4854.1	4935.8	5063.4	4971.7	4829.3	4788.5	4864.0	5091.8	5156.2	4700.5
69°	4171.8	4246.1	4491.3	4735.2	4819.4	4751.3	4854.1	4990.3	5271.4	5308.5	4865.2
70°	3326.0	3459.8	3734.7	4244.8	4446.7	4455.4	4755.0	4969.2	5286.2	5307.3	4875.1
72.5°	1494.6	1519.4	1670.4	1941.6	2711.8	2974.4	3708.7	4376.1	4700.5	4651.0	4234.9
75°	1009.2	1020.3	1011.7	1024.1	1171.4	1409.2	1798.0	2784.9	3175.0	3073.4	2685.8
77.5°	835.8	834.6	818.5	807.4	812.3	847.0	844.5	965.9	1338.6	1375.7	1208.6
80°	749.2	741.7	728.1	705.8	682.3	648.9	614.2	547.3	501.5	518.8	458.2
82.5°	406.2	392.5	423.5	453.2	521.3	549.8	505.2	422.3	378.9	355.4	317.0
85°	95.3	91.6	107.7	149.8	256.3	261.3	253.8	209.3	182.0	169.6	153.5
87.5°	24.8	24.8	26.0	26.0	126.3	144.9	117.6	53.2	40.9	35.9	31.0
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: P179315

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2.5°	146.1	144.9	142.4	142.4	139.9	133.7	116.4	100.3	90.4	86.7	83.0
5°	165.9	161.0	154.8	148.6	142.4	138.7	136.2	110.2	85.4	79.3	73.1
7.5°	189.5	178.3	168.4	158.5	149.8	136.2	128.8	122.6	83.0	73.1	66.9
10°	286.0	273.7	191.9	190.7	169.6	154.8	148.6	142.4	99.1	84.2	73.1
12.5°	340.5	323.2	291.0	239.0	177.1	167.2	146.1	131.3	94.1	74.3	68.1
15°	361.6	340.5	307.1	292.2	227.8	198.1	167.2	151.1	104.0	89.2	73.1
17.5°	447.0	435.9	346.7	314.5	273.7	196.9	172.1	133.7	104.0	79.3	69.3
20°	484.2	455.7	391.3	372.7	331.9	269.9	205.6	177.1	127.5	104.0	79.3
22.5°	543.6	536.2	492.8	393.8	348.0	293.5	213.0	185.7	138.7	100.3	75.5
25°	651.3	572.1	515.1	500.3	432.2	360.3	269.9	204.3	149.8	105.3	83.0
27.5°	704.6	662.5	598.1	541.1	444.5	372.7	302.1	222.9	161.0	113.9	85.4
30°	850.7	707.1	658.8	600.6	496.6	395.0	307.1	232.8	159.7	111.4	86.7
32.5°	908.9	812.3	725.6	631.5	558.5	443.3	340.5	236.5	165.9	115.2	95.3
35°	989.4	869.3	804.9	712.0	601.8	481.7	349.2	243.9	157.3	111.4	94.1
37.5°	1057.5	928.7	823.5	738.0	619.1	492.8	360.3	251.4	162.2	109.0	90.4
40°	1093.4	957.2	837.1	756.6	617.9	499.0	381.4	242.7	157.3	106.5	84.2
42.5°	1123.1	988.2	859.4	776.4	642.7	526.3	387.6	255.1	156.0	106.5	78.0
45°	1142.9	1016.6	908.9	799.9	674.9	556.0	396.3	257.6	158.5	106.5	73.1
47.5°	1154.1	1051.3	958.4	834.6	731.8	614.2	447.0	281.1	162.2	102.8	68.1
50°	1168.9	1088.5	999.3	879.2	792.5	647.6	485.4	293.5	167.2	96.6	64.4
52.5°	1180.1	1108.3	1026.5	934.9	879.2	751.6	580.8	351.7	180.8	92.9	60.7
55°	1233.3	1196.2	1191.2	1217.2	1256.9	1232.1	998.1	604.3	278.6	109.0	69.3
57.5°	1586.2	1653.1	1774.5	1878.5	1848.8	1789.3	1435.2	835.8	377.7	118.9	80.5
60°	2309.4	2376.3	2424.6	2375.0	2209.1	2066.7	1618.4	947.3	421.0	99.1	63.2
62.5°	3090.8	2968.2	2819.6	2596.7	2409.7	2137.3	1703.9	1010.4	432.2	84.2	47.1
65°	3769.3	3383.0	3046.2	2646.2	2415.9	2127.4	1682.8	984.4	413.6	69.3	38.4
67.5°	4180.5	3521.7	2996.7	2450.6	2115.0	1781.9	1300.2	756.6	317.0	55.7	32.2
69°	4227.5	3375.6	2697.0	2069.2	1720.0	1359.6	870.5	500.3	221.7	47.1	28.5
70°	4140.8	3173.7	2357.7	1732.4	1372.0	1009.2	634.0	367.8	159.7	42.1	27.2
72.5°	3344.6	2199.2	1352.2	851.9	601.8	418.5	256.3	149.8	68.1	31.0	23.5
75°	1833.9	944.8	534.9	354.2	274.9	210.5	144.9	80.5	39.6	26.0	19.8
77.5°	674.9	426.0	305.9	242.7	159.7	91.6	61.9	45.8	32.2	21.1	14.9
80°	404.9	296.0	215.5	115.2	76.8	58.2	44.6	35.9	26.0	16.1	9.9
82.5°	258.8	175.8	92.9	68.1	54.5	43.3	34.7	29.7	18.6	11.1	5.0
85°	118.9	70.6	55.7	48.3	42.1	38.4	35.9	29.7	14.9	6.2	3.7
87.5°	27.2	26.0	31.0	28.5	27.2	26.0	23.5	19.8	7.4	5.0	3.7
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: P179315

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2.5°	80.5	78.0	75.5	74.3	71.8	71.8	69.3	69.3	68.1	66.9	68.1
5°	68.1	65.6	63.2	60.7	58.2	55.7	57.0	58.2	58.2	59.4	52.0
7.5°	63.2	59.4	54.5	52.0	50.8	24.8	19.8	18.6	17.3	18.6	18.6
10°	64.4	58.2	54.5	22.3	16.1	16.1	16.1	16.1	17.3	21.1	26.0
12.5°	60.7	53.2	28.5	26.0	23.5	22.3	26.0	24.8	24.8	24.8	24.8
15°	68.1	38.4	29.7	26.0	28.5	31.0	31.0	29.7	24.8	24.8	29.7
17.5°	43.3	35.9	33.4	39.6	38.4	32.2	29.7	33.4	34.7	32.2	28.5
20°	57.0	50.8	45.8	39.6	37.1	37.1	40.9	34.7	32.2	33.4	34.7
22.5°	58.2	54.5	57.0	53.2	49.5	39.6	38.4	37.1	38.4	35.9	34.7
25°	73.1	74.3	66.9	54.5	52.0	48.3	44.6	37.1	38.4	34.7	37.1
27.5°	78.0	73.1	66.9	64.4	59.4	48.3	48.3	40.9	38.4	38.4	33.4
30°	81.7	74.3	69.3	63.2	57.0	53.2	47.1	42.1	38.4	37.1	35.9
32.5°	86.7	76.8	66.9	61.9	57.0	49.5	48.3	42.1	38.4	34.7	34.7
35°	80.5	71.8	65.6	60.7	52.0	47.1	44.6	40.9	35.9	34.7	32.2
37.5°	73.1	65.6	60.7	54.5	49.5	43.3	42.1	37.1	34.7	32.2	31.0
40°	66.9	59.4	54.5	49.5	44.6	39.6	37.1	33.4	29.7	28.5	28.5
42.5°	63.2	54.5	48.3	44.6	39.6	35.9	33.4	29.7	27.2	26.0	26.0
45°	58.2	49.5	43.3	38.4	34.7	32.2	29.7	26.0	23.5	23.5	23.5
47.5°	55.7	45.8	39.6	34.7	31.0	28.5	26.0	22.3	19.8	21.1	21.1
50°	52.0	42.1	34.7	32.2	28.5	26.0	23.5	19.8	18.6	18.6	18.6
52.5°	48.3	37.1	31.0	28.5	26.0	23.5	19.8	16.1	14.9	16.1	14.9
55°	48.3	33.4	27.2	24.8	22.3	19.8	16.1	13.6	12.4	11.1	9.9
57.5°	57.0	33.4	23.5	22.3	19.8	16.1	12.4	9.9	8.7	6.2	5.0
60°	49.5	33.4	21.1	19.8	17.3	13.6	9.9	7.4	5.0	3.7	2.5
62.5°	34.7	26.0	18.6	17.3	13.6	9.9	6.2	3.7	2.5	1.2	1.2
65°	29.7	21.1	17.3	14.9	11.1	7.4	3.7	2.5	1.2	1.2	1.2
67.5°	26.0	19.8	14.9	12.4	9.9	5.0	2.5	1.2	1.2	1.2	1.2
69°	23.5	18.6	14.9	11.1	8.7	3.7	2.5	1.2	1.2	1.2	1.2
70°	22.3	17.3	13.6	11.1	7.4	3.7	1.2	1.2	1.2	1.2	1.2
72.5°	18.6	13.6	11.1	9.9	6.2	2.5	1.2	1.2	1.2	1.2	1.2
75°	13.6	11.1	7.4	7.4	5.0	2.5	1.2	1.2	1.2	1.2	0.0
77.5°	9.9	7.4	5.0	5.0	3.7	2.5	1.2	1.2	1.2	1.2	0.0
80°	6.2	5.0	3.7	3.7	2.5	2.5	0.0	1.2	1.2	1.2	1.2
82.5°	3.7	3.7	3.7	2.5	2.5	2.5	1.2	2.5	1.2	1.2	1.2
85°	3.7	3.7	3.7	2.5	2.5	2.5	1.2	2.5	2.5	2.5	1.2
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	1.2	3.7	3.7	2.5	2.5
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: P179315

CATALOG NUMBER: UTLD-F03-LED-E-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	97.8	97.8	97.8	97.8	97.8
2.5°	68.1	68.1	69.3	70.6	70.6
5°	39.6	27.2	28.5	28.5	28.5
7.5°	18.6	18.6	19.8	19.8	19.8
10°	28.5	28.5	28.5	28.5	29.7
12.5°	26.0	27.2	27.2	27.2	28.5
15°	31.0	32.2	33.4	33.4	34.7
17.5°	28.5	28.5	31.0	31.0	31.0
20°	33.4	33.4	33.4	33.4	33.4
22.5°	29.7	31.0	34.7	35.9	37.1
25°	34.7	33.4	33.4	33.4	33.4
27.5°	34.7	34.7	35.9	35.9	35.9
30°	34.7	32.2	32.2	33.4	34.7
32.5°	34.7	34.7	33.4	33.4	33.4
35°	32.2	34.7	34.7	34.7	34.7
37.5°	31.0	31.0	34.7	35.9	35.9
40°	29.7	31.0	32.2	37.1	37.1
42.5°	28.5	31.0	33.4	35.9	35.9
45°	27.2	29.7	31.0	33.4	33.4
47.5°	24.8	27.2	28.5	29.7	29.7
50°	22.3	22.3	23.5	23.5	22.3
52.5°	16.1	16.1	14.9	14.9	14.9
55°	9.9	8.7	8.7	8.7	7.4
57.5°	5.0	5.0	3.7	3.7	3.7
60°	2.5	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	0.0	0.0	0.0
65°	1.2	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0	0.0
69°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	0.0	0.0	0.0	0.0
85°	1.2	1.2	1.2	0.0	0.0
87.5°	2.5	1.2	1.2	1.2	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)