

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: P179404

Luminaire Tested: **UTLD-F03-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179404
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-F03-LED-E-U-T4-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3929.4 lumens
Efficiency: N/A
Efficacy: 50.2 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

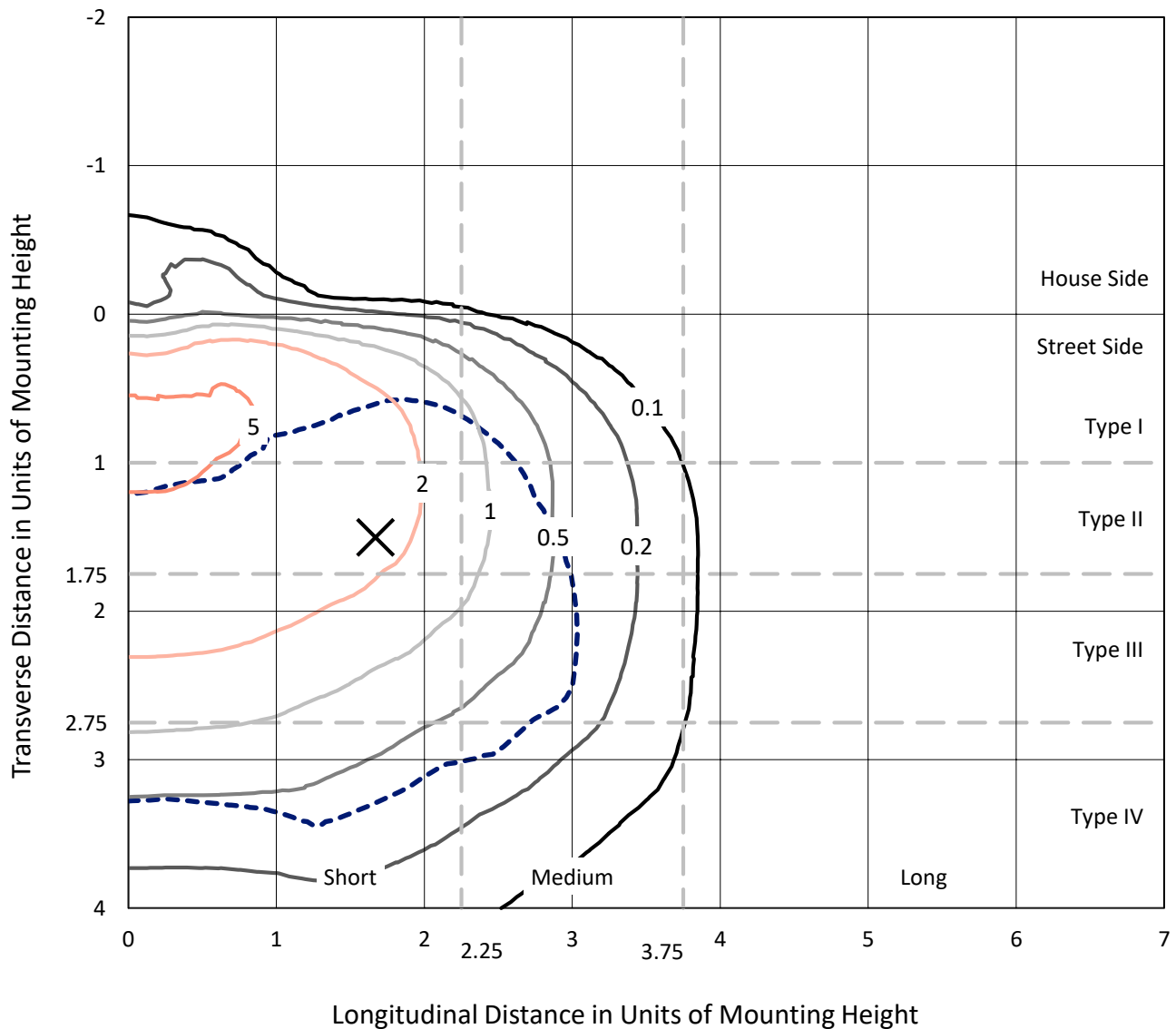


REPORT NUMBER: P179404

CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

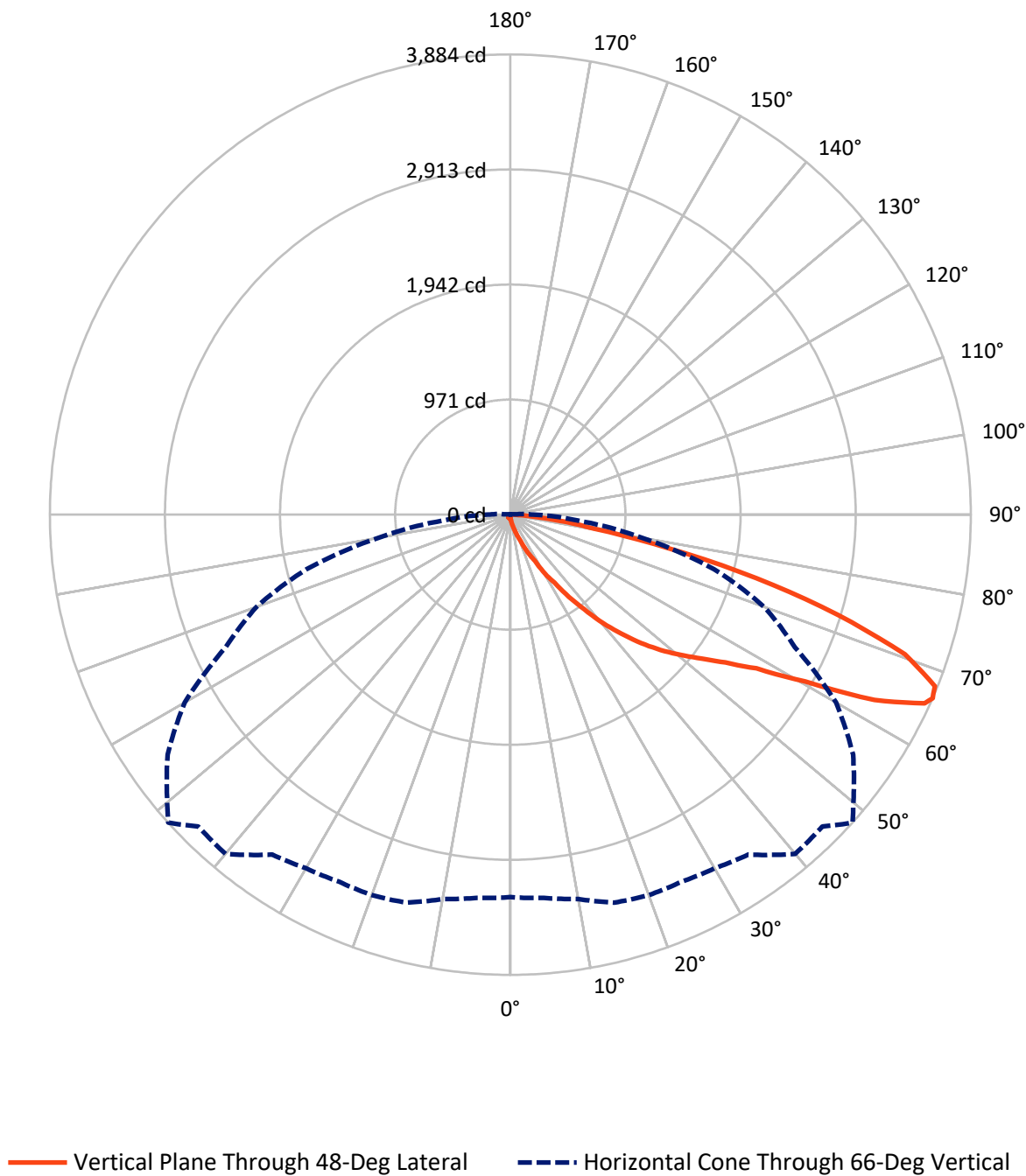


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179404

CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P179404

CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

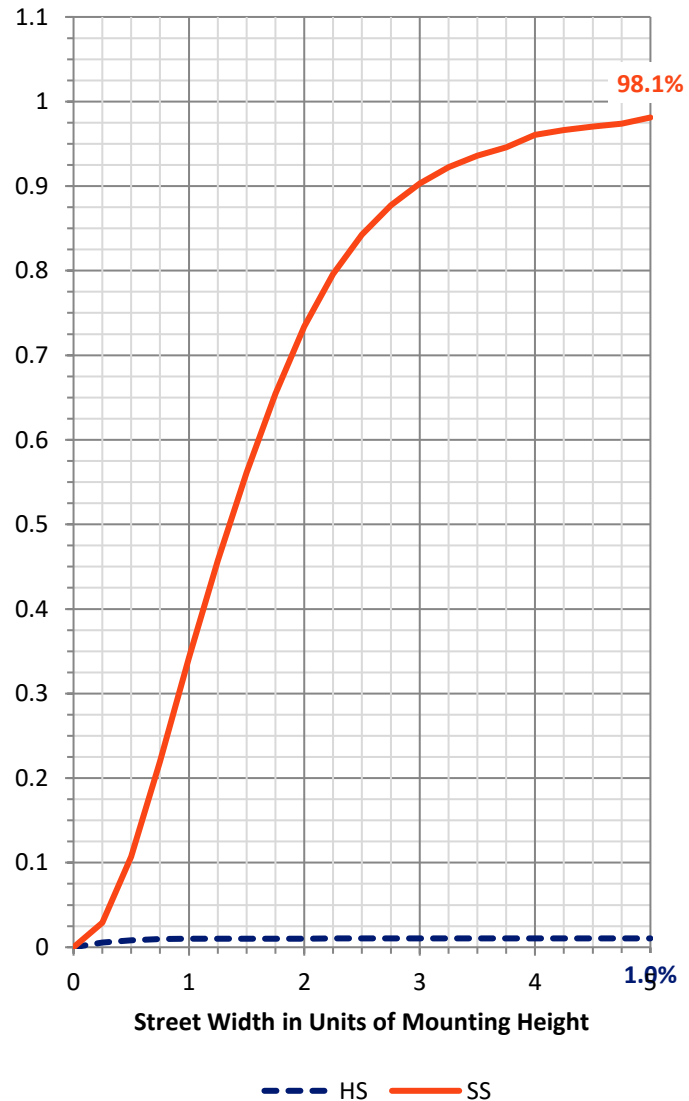
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.1	0.0	42.1
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	3887.3	0.0	3887.3
	% Fixture	98.9	0.0	98.9
Total	Lumens	3929.4	0.0	3929.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	24.4	0.6
20°-30°	93.3	2.4
30°-40°	261.4	6.7
40°-50°	507.6	12.9
50°-60°	831.8	21.2
60°-70°	1355.7	34.5
70°-80°	764.1	19.4
80°-90°	87.4	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°	3929.4	100.0
0°-180°	3929.4	100.0

Coefficient of Utilization



REPORT NUMBER: P179404

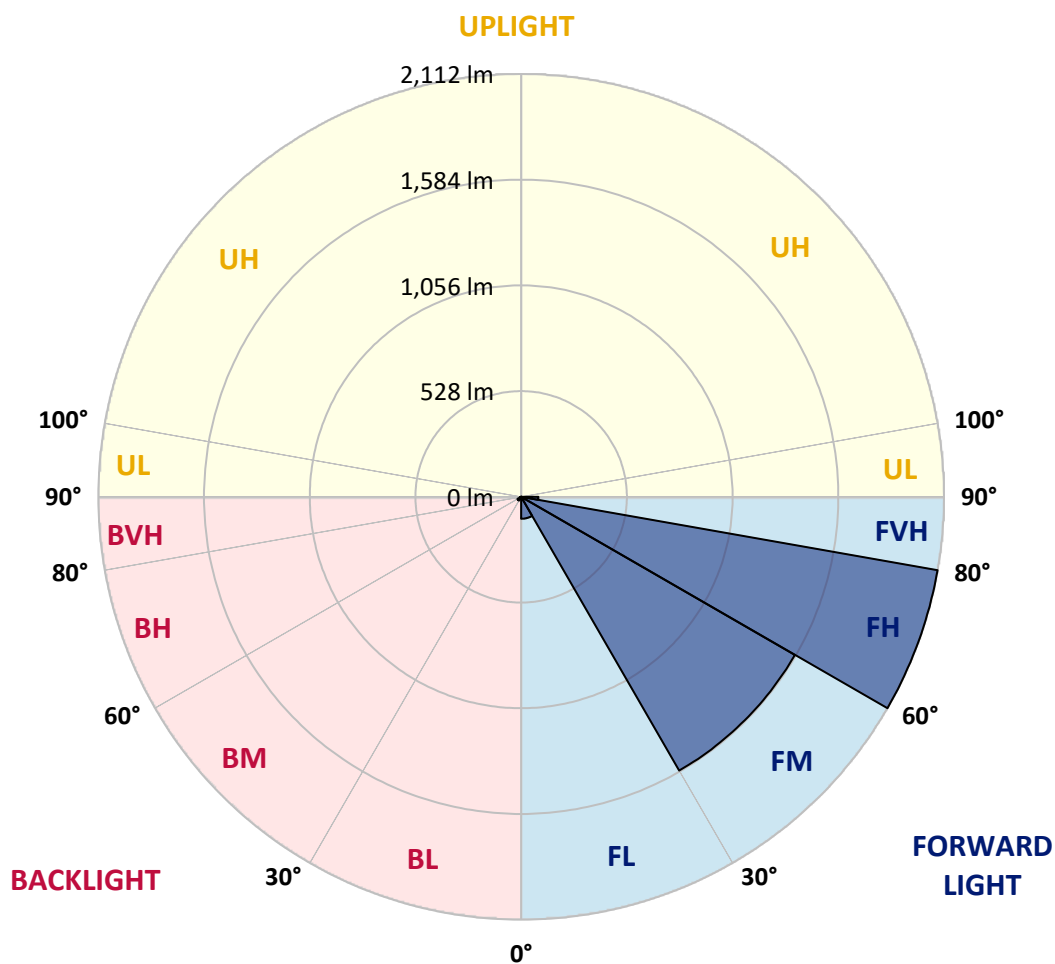
CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.9	2.8			
FM	(30°-60°)	1579.1	40.2			
FH	(60°-80°)	2112.3	53.8			G2/5000
FVH	(80°-90°)	86.0	2.2			G1/100
BL	(0°-30°)	11.5	0.3	B0/110		
BM	(30°-60°)	21.7	0.6	B0/220		
BH	(60°-80°)	7.5	0.2	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: P179404

CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	39.6	39.6	39.6	39.6	38.5	37.3	37.3	36.2	36.2	36.2	36.2
5°	57.7	57.7	54.3	53.2	50.9	49.8	47.5	46.4	45.2	43.0	43.0
7.5°	91.6	90.5	90.5	89.3	88.2	86.0	82.6	80.3	76.9	58.8	54.3
10°	116.5	117.6	115.4	114.2	107.4	104.1	99.5	95.0	93.9	86.0	81.4
12.5°	160.6	161.7	159.5	158.3	153.8	150.4	142.5	136.8	114.2	105.2	104.1
15°	229.6	229.6	218.3	195.7	188.9	181.0	168.5	166.3	167.4	152.7	133.5
17.5°	268.0	269.2	265.8	260.1	253.3	245.4	237.5	210.4	195.7	183.2	177.6
20°	365.3	365.3	358.5	347.2	306.5	290.7	289.5	276.0	265.8	234.1	221.7
22.5°	421.9	427.5	419.6	411.7	398.1	402.6	383.4	325.7	326.9	297.5	286.1
25°	554.2	555.3	542.9	533.8	529.3	461.4	443.3	452.4	417.3	380.0	371.0
27.5°	689.9	697.8	623.2	606.2	606.2	591.5	598.3	533.8	524.8	478.4	442.2
30°	791.7	795.1	782.6	753.2	741.9	738.5	679.7	684.2	628.8	557.6	581.3
32.5°	976.0	981.7	957.9	946.6	866.3	835.8	799.6	800.7	732.9	721.6	684.2
35°	1200.0	1205.6	1175.1	1079.0	1065.4	1022.4	1002.1	922.9	910.4	851.6	851.6
37.5°	1348.1	1328.9	1300.6	1264.4	1272.4	1215.8	1150.2	1137.8	1069.9	1025.8	1013.4
40°	1459.0	1464.6	1462.4	1444.3	1404.7	1351.5	1330.0	1299.5	1244.1	1200.0	1205.6
42.5°	1555.1	1566.4	1575.5	1549.5	1517.8	1495.2	1464.6	1445.4	1400.2	1344.7	1371.9
45°	1651.2	1660.3	1679.5	1663.7	1641.1	1637.7	1564.2	1582.3	1546.1	1502.0	1547.2
47.5°	1763.2	1772.3	1787.0	1788.1	1785.8	1738.3	1677.3	1704.4	1696.5	1643.3	1706.7
50°	1888.8	1889.9	1915.9	1934.0	1898.9	1861.6	1802.8	1816.4	1828.8	1788.1	1861.6
52.5°	2024.5	2039.2	2058.4	2070.8	2022.2	2004.1	1954.4	1952.1	1978.1	1936.3	2015.4
55°	2230.3	2237.1	2246.1	2250.7	2187.3	2194.1	2121.7	2115.0	2153.4	2108.2	2202.0
57.5°	2489.3	2507.4	2526.6	2517.6	2452.0	2446.3	2347.9	2315.1	2381.9	2354.7	2447.5
60°	2882.9	2899.9	2914.6	2924.7	2888.5	2867.1	2715.5	2691.8	2803.7	2748.3	2859.1
62.5°	3294.6	3312.7	3329.6	3400.9	3363.6	3336.4	3243.7	3243.7	3380.5	3339.8	3446.1
65°	3288.9	3314.9	3353.4	3447.3	3464.2	3451.8	3448.4	3491.4	3704.0	3690.4	3839.7
66°	3227.8	3245.9	3294.6	3389.6	3416.7	3417.9	3446.1	3501.5	3736.8	3722.1	3883.8
67.5°	3085.3	3108.0	3160.0	3273.1	3301.4	3322.8	3396.4	3440.5	3705.1	3696.1	3862.3
70°	2763.0	2773.2	2821.8	2939.4	3007.3	2996.0	3106.8	3123.8	3380.5	3413.3	3531.0
72.5°	2128.5	2115.0	2263.1	2426.0	2536.8	2493.8	2574.1	2578.7	2796.9	2793.5	2887.4
75°	1132.1	1140.0	1232.8	1449.9	1856.0	1868.4	1884.2	1883.1	2060.7	2059.5	2143.2
77.5°	715.9	735.1	770.2	835.8	1039.4	1187.5	1245.2	1221.5	1299.5	1326.7	1369.6
80°	289.5	302.0	343.8	451.3	694.4	752.1	770.2	735.1	749.8	713.7	713.7
82.5°	96.1	97.3	110.8	140.2	356.3	497.6	512.3	433.2	426.4	413.9	413.9
85°	52.0	52.0	54.3	73.5	138.0	268.0	294.1	197.9	194.5	165.1	152.7
87.5°	4.5	5.7	4.5	12.4	21.5	40.7	47.5	49.8	56.5	64.5	52.0
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: P179404

CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	36.2	36.2	36.2	37.3	37.3	36.2	35.1	31.7	30.5	28.3	26.0
5°	41.8	40.7	38.5	37.3	36.2	35.1	35.1	32.8	28.3	24.9	21.5
7.5°	53.2	47.5	44.1	41.8	38.5	35.1	33.9	33.9	27.1	22.6	20.4
10°	79.2	76.9	58.8	50.9	46.4	43.0	40.7	41.8	33.9	27.1	26.0
12.5°	101.8	96.1	86.0	67.9	53.2	48.6	44.1	39.6	33.9	27.1	23.8
15°	127.8	114.2	104.1	92.7	75.8	62.2	54.3	50.9	41.8	35.1	30.5
17.5°	171.9	167.4	128.9	113.1	97.3	70.1	61.1	49.8	44.1	33.9	30.5
20°	214.9	197.9	168.5	148.2	126.7	98.4	78.0	65.6	53.2	45.2	40.7
22.5°	272.6	256.7	225.1	176.4	150.4	125.5	89.3	78.0	61.1	50.9	45.2
25°	368.7	316.7	279.4	245.4	204.7	165.1	113.1	84.8	67.9	56.5	49.8
27.5°	443.3	412.8	366.4	313.3	239.8	191.1	142.5	97.3	75.8	62.2	53.2
30°	601.7	499.9	484.1	410.5	314.4	227.3	162.9	112.0	79.2	63.3	54.3
32.5°	699.0	665.0	585.9	505.6	412.8	305.4	204.7	124.4	84.8	64.5	57.7
35°	872.0	789.4	747.6	663.9	537.2	391.3	245.4	148.2	84.8	65.6	56.5
37.5°	1050.7	963.6	883.3	797.3	649.2	466.0	296.3	167.4	90.5	62.2	53.2
40°	1196.6	1112.9	1003.2	919.5	743.1	544.0	357.4	179.8	87.1	59.9	48.6
42.5°	1361.7	1262.2	1142.3	1051.8	851.6	650.3	407.2	211.5	89.3	57.7	44.1
45°	1516.7	1409.2	1288.2	1161.5	956.8	752.1	464.8	229.6	97.3	56.5	39.6
47.5°	1661.4	1548.3	1434.1	1256.5	1086.9	859.6	553.1	273.7	104.1	53.2	36.2
50°	1791.5	1684.0	1557.4	1356.1	1193.2	939.9	637.9	305.4	112.0	48.6	32.8
52.5°	1939.6	1828.8	1663.7	1461.2	1291.6	1042.8	713.7	348.3	122.1	44.1	29.4
55°	2122.9	1983.8	1824.3	1634.3	1407.0	1175.1	799.6	389.1	135.7	39.6	26.0
57.5°	2350.2	2232.6	2069.7	1846.9	1580.0	1305.2	903.7	441.1	148.2	36.2	23.8
60°	2764.1	2611.5	2457.6	2195.3	1837.9	1513.3	1029.2	508.9	168.5	32.8	21.5
62.5°	3351.1	3184.9	2936.1	2556.0	2173.8	1710.1	1152.5	576.8	191.1	29.4	20.4
65°	3724.4	3495.9	3163.4	2669.1	2297.0	1800.5	1162.7	575.7	193.4	27.1	18.1
66°	3777.5	3528.7	3171.3	2648.8	2278.9	1777.9	1135.5	567.8	190.0	24.9	17.0
67.5°	3771.9	3497.0	3112.5	2564.0	2188.5	1697.6	1047.3	528.2	179.8	23.8	15.8
70°	3476.7	3203.0	2796.9	2271.0	1913.6	1466.9	900.3	453.5	153.8	20.4	13.6
72.5°	2887.4	2628.4	2260.8	1800.5	1542.7	1160.4	689.9	356.3	121.0	17.0	11.3
75°	2133.0	1885.4	1606.0	1250.9	1015.6	734.0	429.8	230.7	79.2	13.6	9.0
77.5°	1331.2	1121.9	851.6	636.7	473.9	305.4	151.6	78.0	33.9	11.3	6.8
80°	702.3	572.3	412.8	298.6	219.4	136.8	70.1	36.2	18.1	9.0	4.5
82.5°	404.9	340.4	252.2	187.7	147.0	96.1	52.0	29.4	13.6	5.7	3.4
85°	145.9	125.5	140.2	106.3	80.3	53.2	37.3	23.8	9.0	4.5	3.4
87.5°	54.3	44.1	39.6	33.9	32.8	32.8	30.5	18.1	5.7	3.4	3.4
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: P179404

CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	24.9	22.6	22.6	21.5	21.5	20.4	20.4	20.4	20.4	20.4	21.5
5°	20.4	19.2	19.2	19.2	18.1	18.1	20.4	21.5	22.6	23.8	22.6
7.5°	20.4	19.2	18.1	19.2	21.5	17.0	13.6	12.4	11.3	12.4	12.4
10°	22.6	21.5	23.8	15.8	11.3	10.2	11.3	11.3	11.3	14.7	18.1
12.5°	22.6	23.8	18.1	15.8	15.8	14.7	18.1	15.8	15.8	15.8	15.8
15°	30.5	22.6	19.2	17.0	19.2	20.4	20.4	19.2	17.0	15.8	19.2
17.5°	26.0	23.8	22.6	27.1	24.9	21.5	19.2	21.5	22.6	20.4	18.1
20°	36.2	32.8	31.7	27.1	24.9	24.9	26.0	21.5	20.4	20.4	22.6
22.5°	38.5	35.1	36.2	33.9	32.8	26.0	24.9	23.8	23.8	21.5	21.5
25°	46.4	47.5	41.8	36.2	32.8	30.5	28.3	23.8	23.8	21.5	22.6
27.5°	49.8	46.4	41.8	39.6	36.2	29.4	28.3	24.9	22.6	22.6	20.4
30°	52.0	47.5	44.1	39.6	35.1	31.7	28.3	23.8	21.5	21.5	20.4
32.5°	55.4	49.8	41.8	37.3	33.9	28.3	27.1	22.6	20.4	18.1	18.1
35°	50.9	45.2	39.6	35.1	29.4	26.0	23.8	21.5	18.1	17.0	15.8
37.5°	45.2	39.6	35.1	30.5	27.1	23.8	21.5	18.1	15.8	14.7	13.6
40°	40.7	33.9	30.5	26.0	23.8	20.4	18.1	14.7	12.4	11.3	10.2
42.5°	36.2	29.4	26.0	22.6	19.2	17.0	14.7	11.3	9.0	7.9	6.8
45°	31.7	26.0	21.5	19.2	15.8	13.6	11.3	7.9	5.7	4.5	3.4
47.5°	28.3	22.6	19.2	15.8	13.6	10.2	7.9	4.5	3.4	2.3	1.1
50°	24.9	19.2	15.8	13.6	10.2	7.9	5.7	3.4	2.3	1.1	1.1
52.5°	21.5	17.0	14.7	11.3	9.0	5.7	3.4	2.3	1.1	1.1	0.0
55°	19.2	15.8	12.4	9.0	6.8	4.5	2.3	1.1	1.1	0.0	0.0
57.5°	18.1	14.7	10.2	6.8	5.7	3.4	2.3	1.1	1.1	0.0	0.0
60°	17.0	12.4	7.9	5.7	4.5	2.3	1.1	1.1	1.1	0.0	0.0
62.5°	15.8	10.2	6.8	4.5	3.4	2.3	1.1	1.1	1.1	1.1	0.0
65°	12.4	7.9	4.5	3.4	2.3	2.3	1.1	1.1	1.1	1.1	1.1
66°	11.3	6.8	4.5	3.4	2.3	2.3	1.1	1.1	1.1	1.1	1.1
67.5°	10.2	6.8	3.4	3.4	2.3	2.3	1.1	1.1	1.1	1.1	1.1
70°	7.9	4.5	3.4	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1
72.5°	6.8	4.5	3.4	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1
75°	5.7	3.4	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1
77.5°	4.5	3.4	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1
80°	3.4	3.4	2.3	2.3	2.3	2.3	1.1	2.3	2.3	1.1	1.1
82.5°	3.4	2.3	2.3	2.3	2.3	3.4	1.1	2.3	2.3	2.3	2.3
85°	3.4	2.3	2.3	3.4	3.4	3.4	1.1	3.4	3.4	3.4	2.3
87.5°	3.4	3.4	3.4	3.4	4.5	4.5	2.3	4.5	4.5	4.5	3.4
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: P179404

CATALOG NUMBER: UTLD-F03-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	30.5	30.5	30.5	30.5	30.5
2.5°	21.5	22.6	22.6	22.6	22.6
5°	22.6	20.4	21.5	21.5	21.5
7.5°	13.6	13.6	13.6	13.6	13.6
10°	19.2	19.2	19.2	19.2	19.2
12.5°	17.0	18.1	18.1	18.1	18.1
15°	20.4	21.5	21.5	21.5	22.6
17.5°	18.1	18.1	20.4	19.2	20.4
20°	21.5	21.5	21.5	21.5	21.5
22.5°	19.2	19.2	21.5	22.6	22.6
25°	21.5	20.4	20.4	20.4	20.4
27.5°	20.4	21.5	21.5	21.5	21.5
30°	19.2	18.1	19.2	19.2	20.4
32.5°	18.1	18.1	18.1	18.1	18.1
35°	15.8	15.8	15.8	17.0	17.0
37.5°	12.4	12.4	13.6	13.6	13.6
40°	10.2	9.0	9.0	10.2	10.2
42.5°	6.8	5.7	5.7	5.7	5.7
45°	3.4	2.3	2.3	2.3	2.3
47.5°	1.1	1.1	1.1	1.1	1.1
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°	1.1	0.0	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0	0.0
72.5°	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	0.0	0.0	0.0
77.5°	1.1	1.1	1.1	0.0	0.0
80°	1.1	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	0.0
85°	2.3	2.3	2.3	2.3	0.0
87.5°	3.4	3.4	3.4	3.4	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)