

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: P179398

Luminaire Tested: **UTLD-E03-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179398
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-E03-LED-E-U-T4-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4398.5 lumens
Efficiency: N/A
Efficacy: 58.5 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): 75.2
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

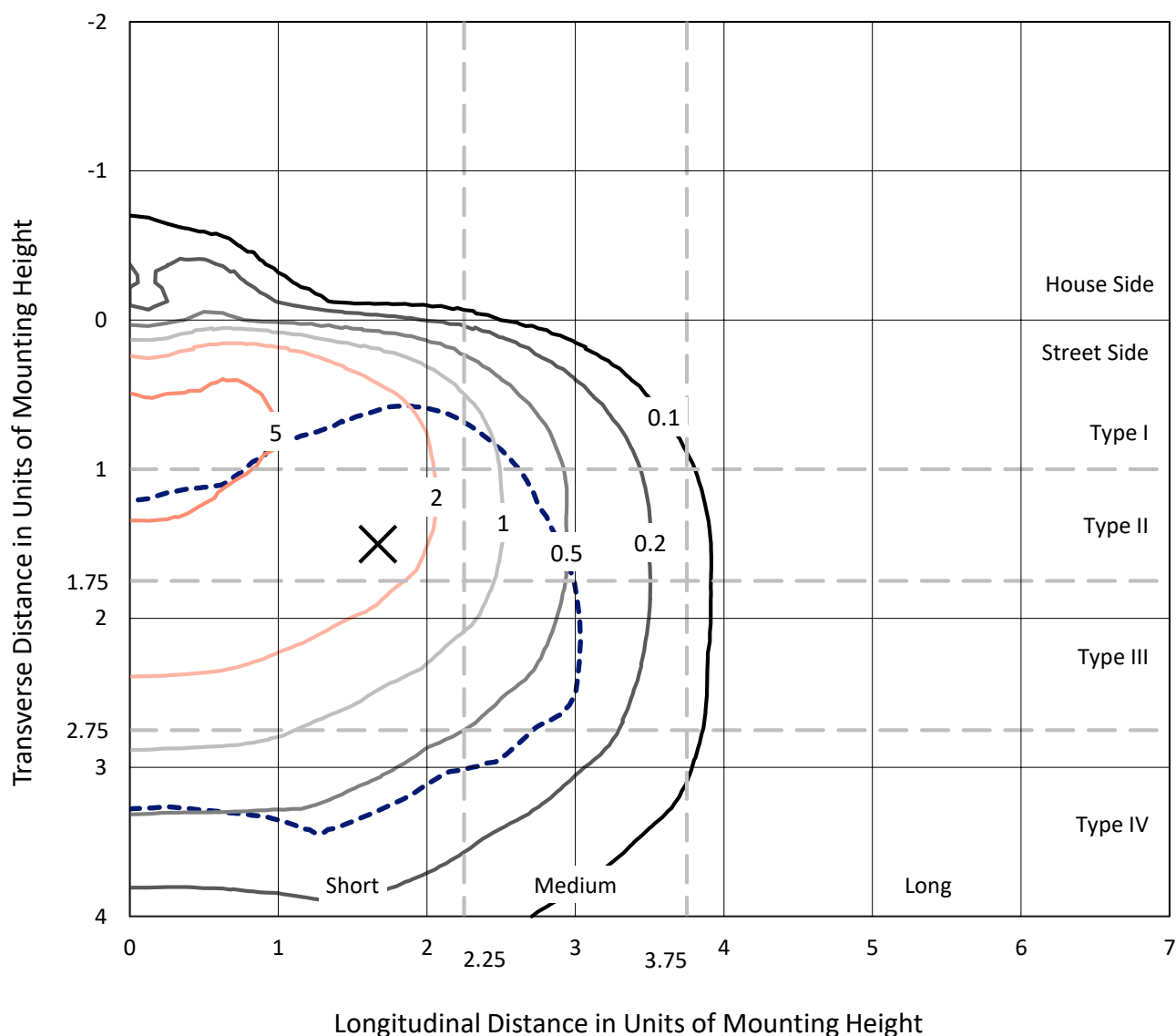


REPORT NUMBER: P179398

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

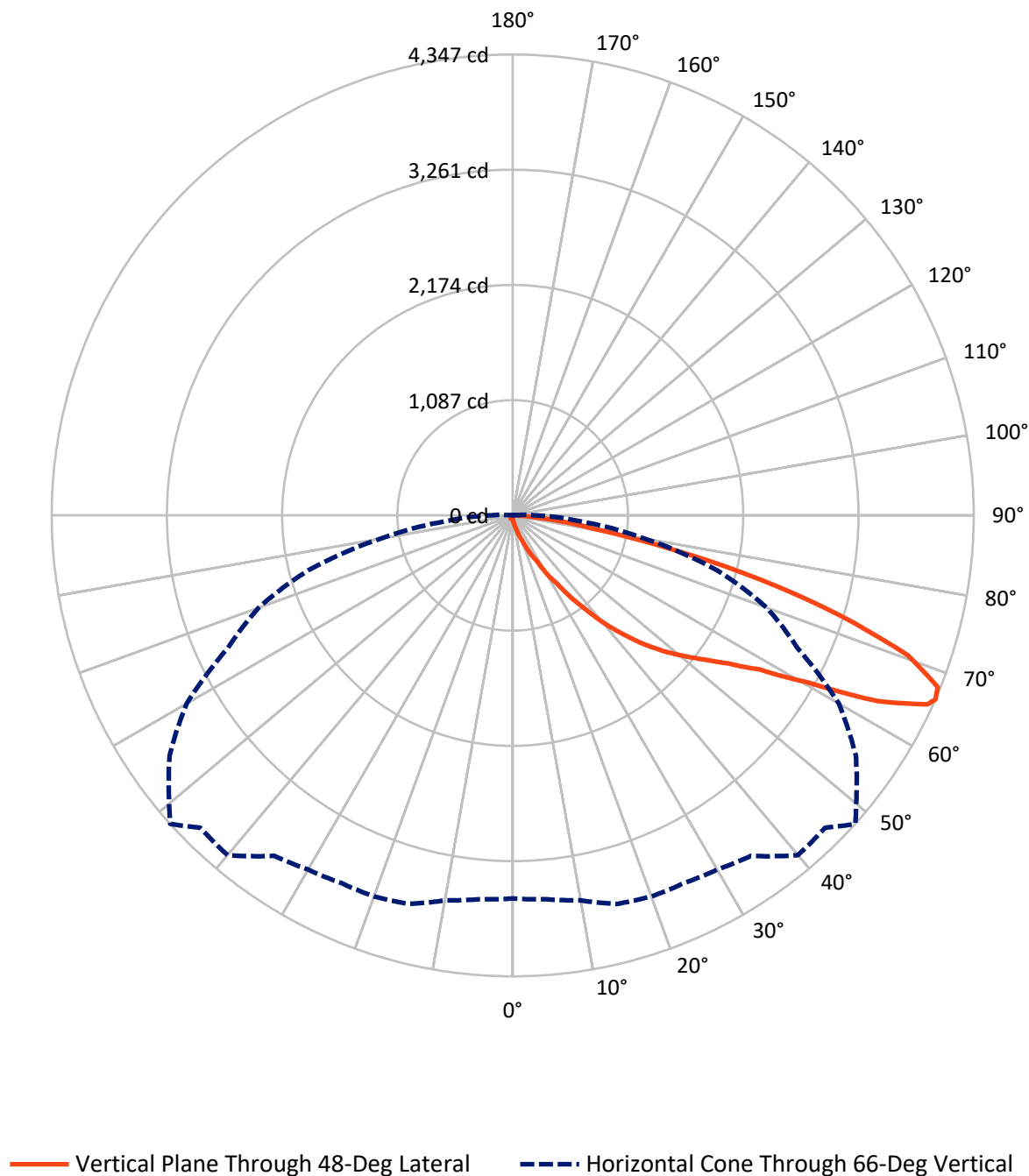


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179398

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P179398

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

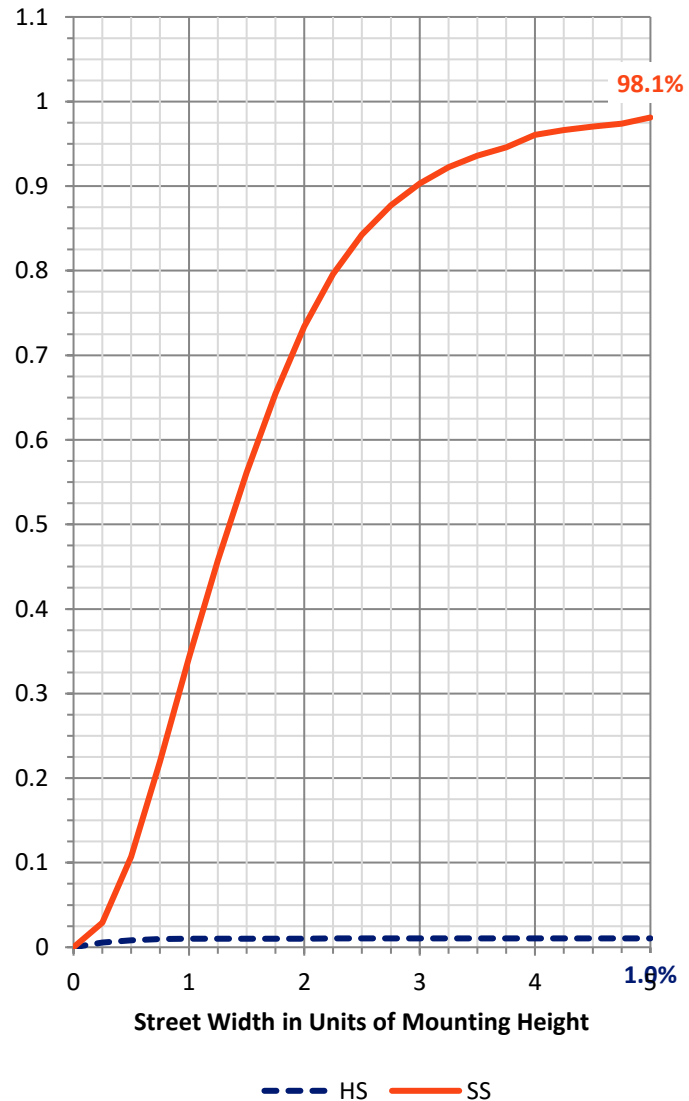
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.1	0.0	47.1
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	4351.3	0.0	4351.3
	% Fixture	98.9	0.0	98.9
Total	Lumens	4398.5	0.0	4398.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	27.3	0.6
20°-30°	104.5	2.4
30°-40°	292.6	6.7
40°-50°	568.2	12.9
50°-60°	931.1	21.2
60°-70°	1517.6	34.5
70°-80°	855.3	19.4
80°-90°	97.8	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°	4398.5	100.0
0°-180°	4398.5	100.0

Coefficient of Utilization



REPORT NUMBER: P179398

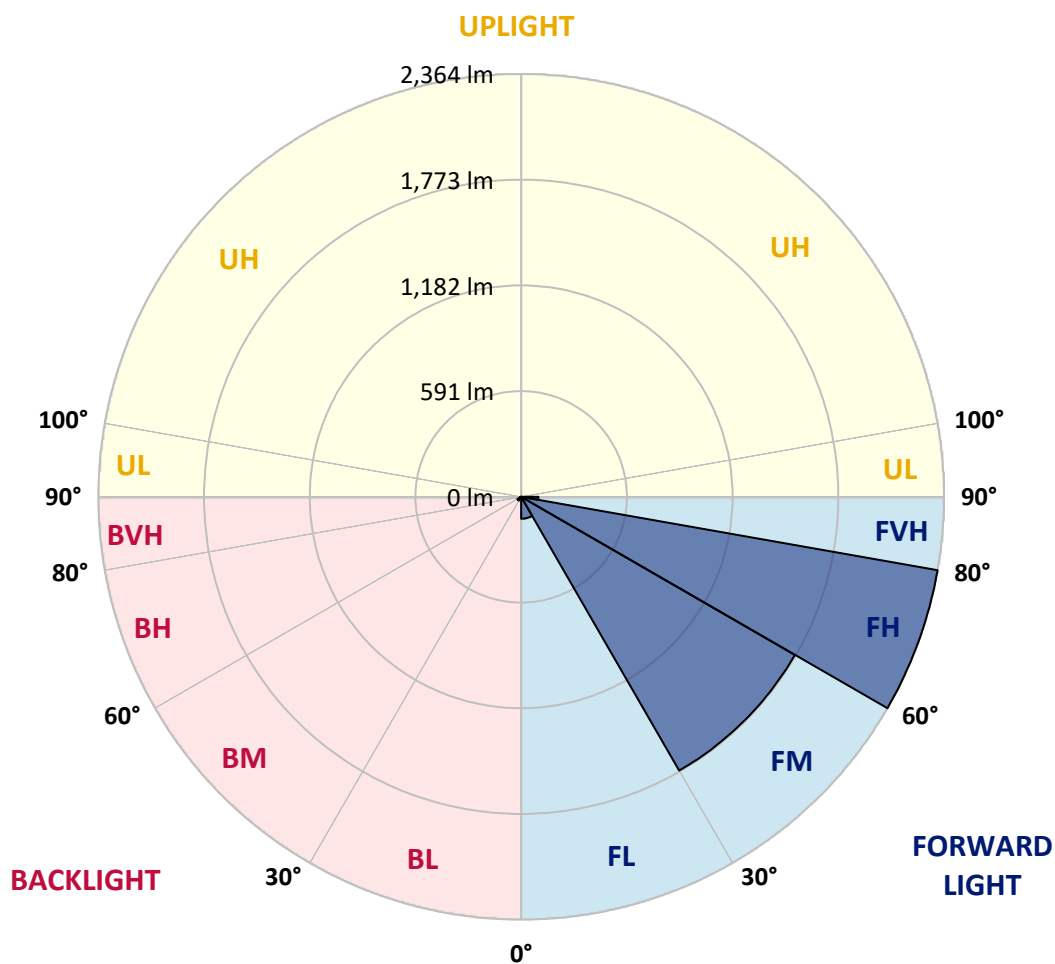
CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.1	2.8			
FM	(30°-60°)	1767.6	40.2			
FH	(60°-80°)	2364.4	53.8			G2/5000
FVH	(80°-90°)	96.2	2.2			G1/100
BL	(0°-30°)	12.9	0.3	B0/110		
BM	(30°-60°)	24.3	0.6	B0/220		
BH	(60°-80°)	8.4	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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: P179398

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
2.5°	44.3	44.3	44.3	44.3	43.0	41.8	41.8	40.5	40.5	40.5	40.5
5°	64.6	64.6	60.8	59.5	57.0	55.7	53.2	51.9	50.6	48.1	48.1
7.5°	102.5	101.3	101.3	100.0	98.7	96.2	92.4	89.9	86.1	65.8	60.8
10°	130.4	131.7	129.1	127.9	120.3	116.5	111.4	106.3	105.1	96.2	91.2
12.5°	179.8	181.0	178.5	177.2	172.2	168.4	159.5	153.2	127.9	117.7	116.5
15°	257.0	257.0	244.3	219.0	211.4	202.6	188.6	186.1	187.4	170.9	149.4
17.5°	300.0	301.3	297.5	291.2	283.6	274.7	265.9	235.5	219.0	205.1	198.8
20°	408.9	408.9	401.3	388.7	343.1	325.4	324.1	308.9	297.5	262.1	248.1
22.5°	472.2	478.5	469.7	460.8	445.6	450.7	429.2	364.6	365.9	333.0	320.3
25°	620.3	621.6	607.7	597.5	592.5	516.5	496.3	506.4	467.1	425.4	415.2
27.5°	772.3	781.1	697.6	678.6	678.6	662.1	669.7	597.5	587.4	535.5	495.0
30°	886.2	890.0	876.1	843.1	830.5	826.7	760.9	765.9	703.9	624.1	650.7
32.5°	1092.5	1098.9	1072.3	1059.6	969.7	935.6	895.1	896.3	820.4	807.7	765.9
35°	1343.2	1349.5	1315.4	1207.8	1192.6	1144.5	1121.7	1033.0	1019.1	953.3	953.3
37.5°	1509.1	1487.5	1455.9	1415.4	1424.2	1360.9	1287.5	1273.6	1197.6	1148.2	1134.3
40°	1633.1	1639.5	1636.9	1616.7	1572.4	1512.9	1488.8	1454.6	1392.6	1343.2	1349.5
42.5°	1740.7	1753.4	1763.5	1734.4	1699.0	1673.6	1639.5	1617.9	1567.3	1505.3	1535.6
45°	1848.3	1858.5	1880.0	1862.3	1836.9	1833.1	1750.9	1771.1	1730.6	1681.2	1731.9
47.5°	1973.7	1983.8	2000.3	2001.5	1999.0	1945.8	1877.5	1907.8	1899.0	1839.5	1910.4
50°	2114.2	2115.5	2144.6	2164.8	2125.6	2083.8	2018.0	2033.2	2047.1	2001.5	2083.8
52.5°	2266.1	2282.6	2304.1	2318.0	2263.6	2243.3	2187.6	2185.1	2214.2	2167.4	2256.0
55°	2496.5	2504.1	2514.2	2519.3	2448.4	2456.0	2375.0	2367.4	2410.4	2359.8	2464.9
57.5°	2786.4	2806.7	2828.2	2818.1	2744.7	2738.3	2628.2	2591.5	2666.2	2635.8	2739.6
60°	3227.0	3246.0	3262.4	3273.8	3233.3	3209.3	3039.6	3013.0	3138.4	3076.3	3200.4
62.5°	3687.8	3708.1	3727.1	3806.8	3765.0	3734.7	3630.8	3630.8	3784.0	3738.5	3857.5
65°	3681.5	3710.6	3753.6	3858.7	3877.7	3863.8	3860.0	3908.1	4146.1	4130.9	4298.0
66°	3613.1	3633.4	3687.8	3794.2	3824.5	3825.8	3857.5	3919.5	4182.8	4166.4	4347.4
67.5°	3453.6	3478.9	3537.2	3663.8	3695.4	3719.5	3801.8	3851.1	4147.4	4137.2	4323.3
70°	3092.8	3104.2	3158.6	3290.3	3366.3	3353.6	3477.7	3496.7	3784.0	3820.7	3952.4
72.5°	2382.6	2367.4	2533.2	2715.5	2839.6	2791.5	2881.4	2886.4	3130.8	3127.0	3232.1
75°	1267.3	1276.1	1379.9	1623.0	2077.5	2091.4	2109.1	2107.9	2306.6	2305.4	2399.0
77.5°	801.4	822.9	862.1	935.6	1163.4	1329.3	1393.9	1367.3	1454.6	1485.0	1533.1
80°	324.1	338.0	384.9	505.1	777.3	841.9	862.1	822.9	839.3	798.8	798.8
82.5°	107.6	108.9	124.1	157.0	398.8	557.0	573.5	484.9	477.3	463.4	463.4
85°	58.2	58.2	60.8	82.3	154.5	300.0	329.2	221.5	217.7	184.8	170.9
87.5°	5.1	6.3	5.1	13.9	24.1	45.6	53.2	55.7	63.3	72.2	58.2
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: P179398

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
2.5°	40.5	40.5	40.5	41.8	41.8	40.5	39.2	35.4	34.2	31.6	29.1
5°	46.8	45.6	43.0	41.8	40.5	39.2	39.2	36.7	31.6	27.9	24.1
7.5°	59.5	53.2	49.4	46.8	43.0	39.2	38.0	38.0	30.4	25.3	22.8
10°	88.6	86.1	65.8	57.0	51.9	48.1	45.6	46.8	38.0	30.4	29.1
12.5°	113.9	107.6	96.2	76.0	59.5	54.4	49.4	44.3	38.0	30.4	26.6
15°	143.1	127.9	116.5	103.8	84.8	69.6	60.8	57.0	46.8	39.2	34.2
17.5°	192.4	187.4	144.3	126.6	108.9	78.5	68.4	55.7	49.4	38.0	34.2
20°	240.5	221.5	188.6	165.8	141.8	110.1	87.4	73.4	59.5	50.6	45.6
22.5°	305.1	287.4	251.9	197.5	168.4	140.5	100.0	87.4	68.4	57.0	50.6
25°	412.7	354.5	312.7	274.7	229.1	184.8	126.6	94.9	76.0	63.3	55.7
27.5°	496.3	462.1	410.2	350.7	268.4	214.0	159.5	108.9	84.8	69.6	59.5
30°	673.5	559.6	541.8	459.6	351.9	254.5	182.3	125.3	88.6	70.9	60.8
32.5°	782.4	744.4	655.8	565.9	462.1	341.8	229.1	139.3	94.9	72.2	64.6
35°	976.1	883.7	836.8	743.1	601.3	438.0	274.7	165.8	94.9	73.4	63.3
37.5°	1176.1	1078.6	988.7	892.5	726.7	521.6	331.7	187.4	101.3	69.6	59.5
40°	1339.4	1245.7	1122.9	1029.2	831.8	608.9	400.1	201.3	97.5	67.1	54.4
42.5°	1524.2	1412.8	1278.6	1177.4	953.3	727.9	455.8	236.7	100.0	64.6	49.4
45°	1697.7	1577.4	1442.0	1300.2	1071.0	841.9	520.3	257.0	108.9	63.3	44.3
47.5°	1859.7	1733.1	1605.3	1406.5	1216.6	962.1	619.1	306.4	116.5	59.5	40.5
50°	2005.3	1885.1	1743.3	1517.9	1335.6	1052.0	714.0	341.8	125.3	54.4	36.7
52.5°	2171.2	2047.1	1862.3	1635.7	1445.8	1167.2	798.8	389.9	136.7	49.4	32.9
55°	2376.3	2220.5	2042.0	1829.4	1574.9	1315.4	895.1	435.5	151.9	44.3	29.1
57.5°	2630.7	2499.1	2316.8	2067.4	1768.6	1460.9	1011.5	493.7	165.8	40.5	26.6
60°	3094.1	2923.2	2751.0	2457.3	2057.2	1693.9	1152.0	569.7	188.6	36.7	24.1
62.5°	3751.1	3565.0	3286.5	2861.1	2433.2	1914.2	1290.0	645.7	214.0	32.9	22.8
65°	4168.9	3913.2	3541.0	2987.7	2571.2	2015.5	1301.4	644.4	216.5	30.4	20.3
66°	4228.4	3949.9	3549.8	2964.9	2551.0	1990.1	1271.1	635.5	212.7	27.9	19.0
67.5°	4222.1	3914.4	3484.0	2870.0	2449.7	1900.2	1172.3	591.2	201.3	26.6	17.7
70°	3891.6	3585.3	3130.8	2542.1	2142.0	1642.0	1007.7	507.7	172.2	22.8	15.2
72.5°	3232.1	2942.2	2530.7	2015.5	1726.8	1298.9	772.3	398.8	135.5	19.0	12.7
75°	2387.7	2110.4	1797.7	1400.2	1136.9	821.6	481.1	258.3	88.6	15.2	10.1
77.5°	1490.1	1255.9	953.3	712.8	530.4	341.8	169.6	87.4	38.0	12.7	7.6
80°	786.2	640.6	462.1	334.2	245.6	153.2	78.5	40.5	20.3	10.1	5.1
82.5°	453.2	381.1	282.3	210.2	164.6	107.6	58.2	32.9	15.2	6.3	3.8
85°	163.3	140.5	157.0	119.0	89.9	59.5	41.8	26.6	10.1	5.1	3.8
87.5°	60.8	49.4	44.3	38.0	36.7	36.7	34.2	20.3	6.3	3.8	3.8
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: P179398

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
2.5°	27.9	25.3	25.3	24.1	24.1	22.8	22.8	22.8	22.8	22.8	24.1
5°	22.8	21.5	21.5	21.5	20.3	20.3	22.8	24.1	25.3	26.6	25.3
7.5°	22.8	21.5	20.3	21.5	24.1	19.0	15.2	13.9	12.7	13.9	13.9
10°	25.3	24.1	26.6	17.7	12.7	11.4	12.7	12.7	12.7	16.5	20.3
12.5°	25.3	26.6	20.3	17.7	17.7	16.5	20.3	17.7	17.7	17.7	17.7
15°	34.2	25.3	21.5	19.0	21.5	22.8	22.8	21.5	19.0	17.7	21.5
17.5°	29.1	26.6	25.3	30.4	27.9	24.1	21.5	24.1	25.3	22.8	20.3
20°	40.5	36.7	35.4	30.4	27.9	27.9	29.1	24.1	22.8	22.8	25.3
22.5°	43.0	39.2	40.5	38.0	36.7	29.1	27.9	26.6	26.6	24.1	24.1
25°	51.9	53.2	46.8	40.5	36.7	34.2	31.6	26.6	26.6	24.1	25.3
27.5°	55.7	51.9	46.8	44.3	40.5	32.9	31.6	27.9	25.3	25.3	22.8
30°	58.2	53.2	49.4	44.3	39.2	35.4	31.6	26.6	24.1	24.1	22.8
32.5°	62.0	55.7	46.8	41.8	38.0	31.6	30.4	25.3	22.8	20.3	20.3
35°	57.0	50.6	44.3	39.2	32.9	29.1	26.6	24.1	20.3	19.0	17.7
37.5°	50.6	44.3	39.2	34.2	30.4	26.6	24.1	20.3	17.7	16.5	15.2
40°	45.6	38.0	34.2	29.1	26.6	22.8	20.3	16.5	13.9	12.7	11.4
42.5°	40.5	32.9	29.1	25.3	21.5	19.0	16.5	12.7	10.1	8.9	7.6
45°	35.4	29.1	24.1	21.5	17.7	15.2	12.7	8.9	6.3	5.1	3.8
47.5°	31.6	25.3	21.5	17.7	15.2	11.4	8.9	5.1	3.8	2.5	1.3
50°	27.9	21.5	17.7	15.2	11.4	8.9	6.3	3.8	2.5	1.3	1.3
52.5°	24.1	19.0	16.5	12.7	10.1	6.3	3.8	2.5	1.3	1.3	0.0
55°	21.5	17.7	13.9	10.1	7.6	5.1	2.5	1.3	1.3	0.0	0.0
57.5°	20.3	16.5	11.4	7.6	6.3	3.8	2.5	1.3	1.3	0.0	0.0
60°	19.0	13.9	8.9	6.3	5.1	2.5	1.3	1.3	1.3	0.0	0.0
62.5°	17.7	11.4	7.6	5.1	3.8	2.5	1.3	1.3	1.3	1.3	0.0
65°	13.9	8.9	5.1	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3
66°	12.7	7.6	5.1	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3
67.5°	11.4	7.6	3.8	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3
70°	8.9	5.1	3.8	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3
72.5°	7.6	5.1	3.8	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3
75°	6.3	3.8	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3
77.5°	5.1	3.8	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3
80°	3.8	3.8	2.5	2.5	2.5	2.5	1.3	2.5	2.5	1.3	1.3
82.5°	3.8	2.5	2.5	2.5	2.5	3.8	1.3	2.5	2.5	2.5	2.5
85°	3.8	2.5	2.5	3.8	3.8	3.8	1.3	3.8	3.8	3.8	2.5
87.5°	3.8	3.8	3.8	3.8	5.1	5.1	2.5	5.1	5.1	5.1	3.8
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: P179398

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	34.2	34.2	34.2	34.2	34.2
2.5°	24.1	25.3	25.3	25.3	25.3
5°	25.3	22.8	24.1	24.1	24.1
7.5°	15.2	15.2	15.2	15.2	15.2
10°	21.5	21.5	21.5	21.5	21.5
12.5°	19.0	20.3	20.3	20.3	20.3
15°	22.8	24.1	24.1	24.1	25.3
17.5°	20.3	20.3	22.8	21.5	22.8
20°	24.1	24.1	24.1	24.1	24.1
22.5°	21.5	21.5	24.1	25.3	25.3
25°	24.1	22.8	22.8	22.8	22.8
27.5°	22.8	24.1	24.1	24.1	24.1
30°	21.5	20.3	21.5	21.5	22.8
32.5°	20.3	20.3	20.3	20.3	20.3
35°	17.7	17.7	17.7	19.0	19.0
37.5°	13.9	13.9	15.2	15.2	15.2
40°	11.4	10.1	10.1	11.4	11.4
42.5°	7.6	6.3	6.3	6.3	6.3
45°	3.8	2.5	2.5	2.5	2.5
47.5°	1.3	1.3	1.3	1.3	1.3
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°	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	0.0	0.0	0.0	0.0
70°	1.3	0.0	0.0	0.0	0.0
72.5°	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	0.0	0.0
80°	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	0.0
85°	2.5	2.5	2.5	2.5	0.0
87.5°	3.8	3.8	3.8	3.8	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)