

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: P179379

Luminaire Tested: **UTLD-E01-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179379
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-E01-LED-E-U-T4-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 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: 1586.7 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

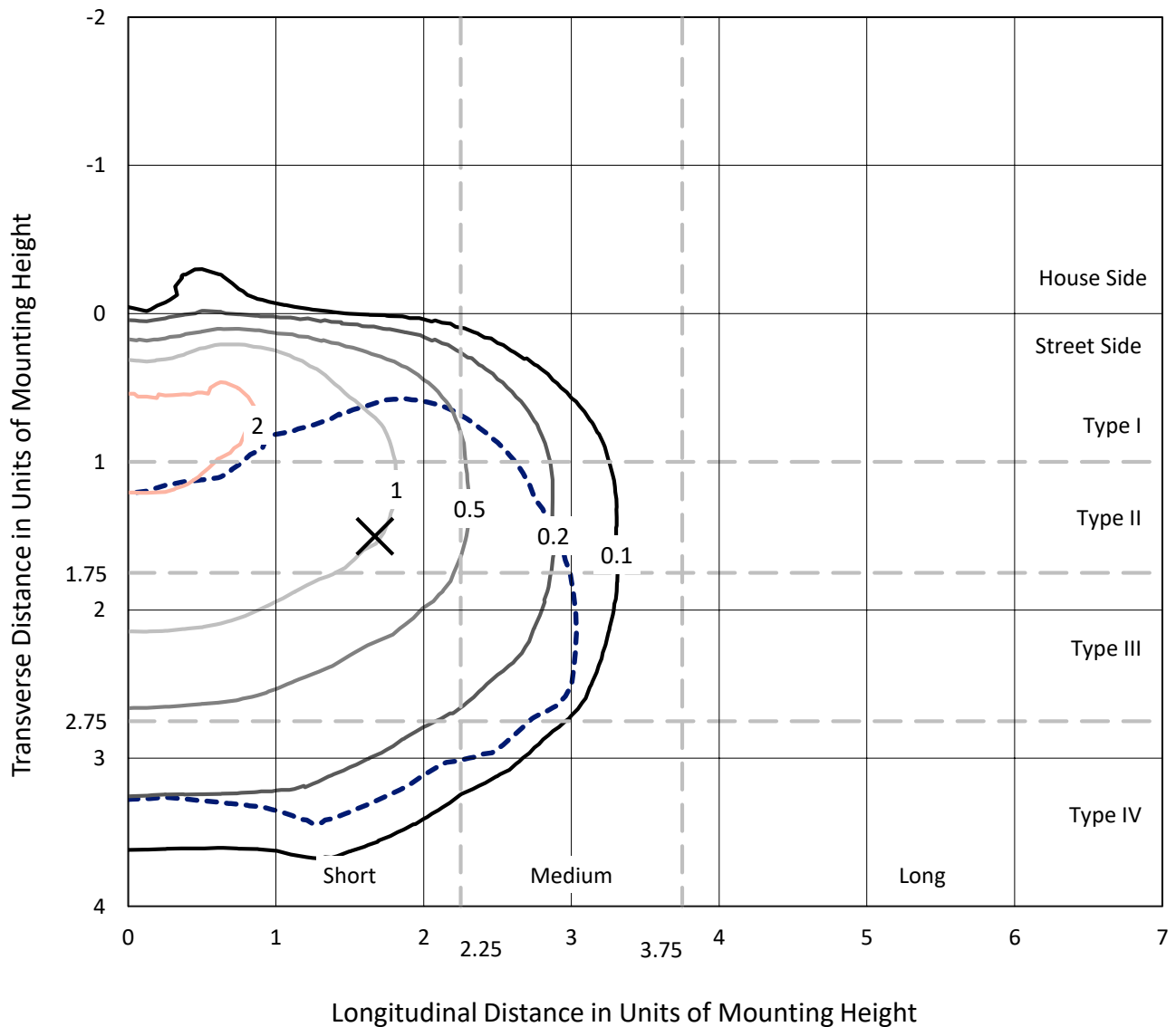
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P179379
 CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

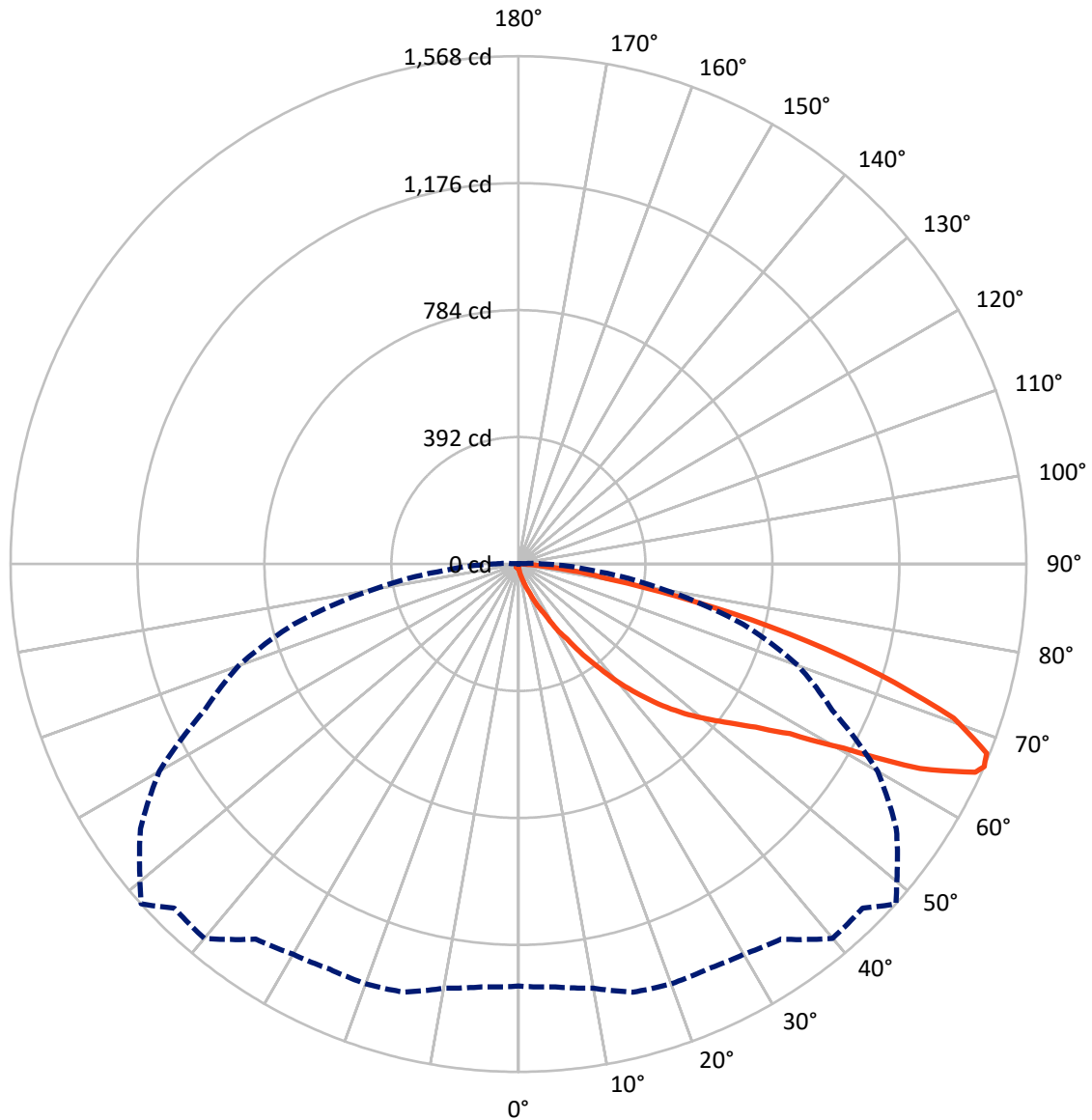
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179379
CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



REPORT NUMBER: P179379

CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

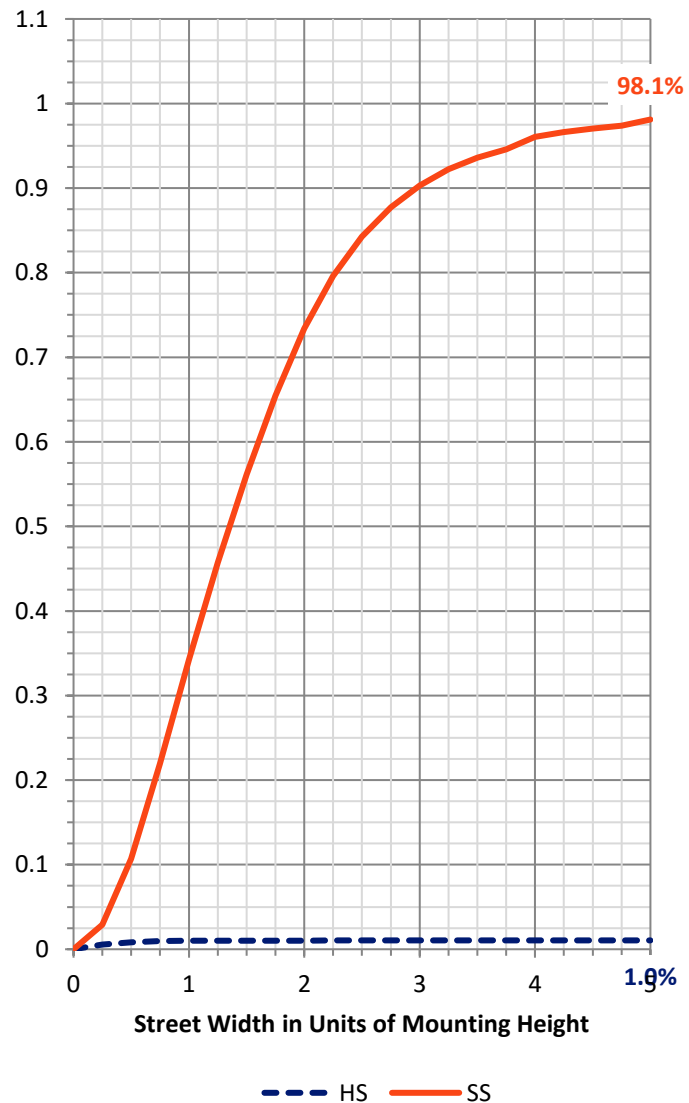
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.0	0.0	17.0
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	1569.6	0.0	1569.6
	% Fixture	98.9	0.0	98.9
Total	Lumens	1586.7	0.0	1586.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	9.9	0.6
20°-30°	37.7	2.4
30°-40°	105.6	6.7
40°-50°	205.0	12.9
50°-60°	335.9	21.2
60°-70°	547.4	34.5
70°-80°	308.5	19.4
80°-90°	35.3	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°	1586.7	100.0
0°-180°	1586.7	100.0

Coefficient of Utilization



REPORT NUMBER: P179379

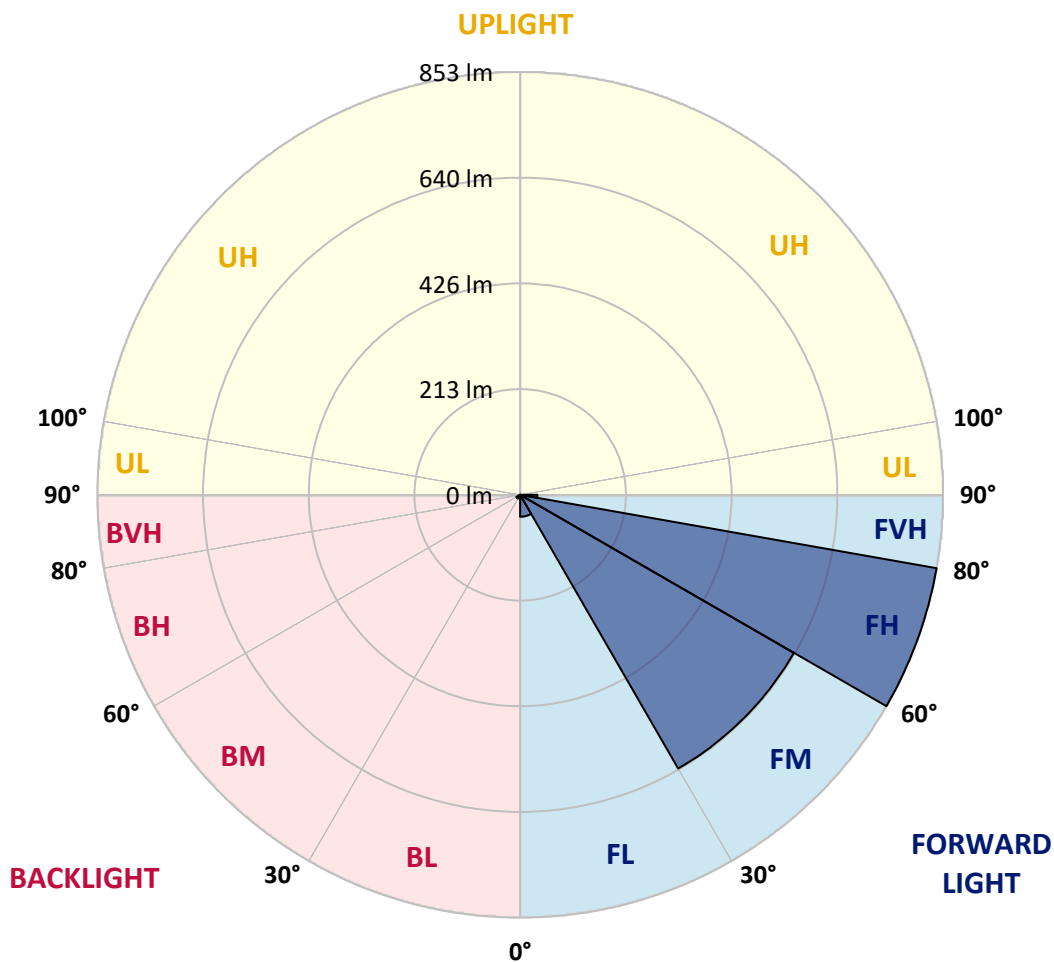
CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	44.4	2.8			
FM	(30°-60°)	637.6	40.2			
FH	(60°-80°)	852.9	53.8			G1/1800
FVH	(80°-90°)	34.7	2.2			G1/100
BL	(0°-30°)	4.6	0.3	B0/110		
BM	(30°-60°)	8.8	0.6	B0/220		
BH	(60°-80°)	3.0	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1

Type IV Short





REPORT NUMBER: P179379

CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
2.5°	16.0	16.0	16.0	16.0	15.5	15.1	15.1	14.6	14.6	14.6	14.6
5°	23.3	23.3	21.9	21.5	20.6	20.1	19.2	18.7	18.3	17.4	17.4
7.5°	37.0	36.5	36.5	36.1	35.6	34.7	33.3	32.4	31.1	23.7	21.9
10°	47.0	47.5	46.6	46.1	43.4	42.0	40.2	38.4	37.9	34.7	32.9
12.5°	64.8	65.3	64.4	63.9	62.1	60.7	57.5	55.3	46.1	42.5	42.0
15°	92.7	92.7	88.1	79.0	76.3	73.1	68.0	67.1	67.6	61.7	53.9
17.5°	108.2	108.7	107.3	105.0	102.3	99.1	95.9	84.9	79.0	74.0	71.7
20°	147.5	147.5	144.8	140.2	123.8	117.4	116.9	111.4	107.3	94.5	89.5
22.5°	170.3	172.6	169.4	166.2	160.7	162.6	154.8	131.5	132.0	120.1	115.5
25°	223.8	224.2	219.2	215.6	213.7	186.3	179.0	182.7	168.5	153.4	149.8
27.5°	278.6	281.8	251.6	244.8	244.8	238.8	241.6	215.6	211.9	193.2	178.6
30°	319.7	321.0	316.0	304.1	299.6	298.2	274.5	276.3	253.9	225.1	234.7
32.5°	394.1	396.4	386.8	382.2	349.8	337.5	322.9	323.3	295.9	291.4	276.3
35°	484.5	486.8	474.5	435.7	430.2	412.8	404.6	372.6	367.6	343.9	343.9
37.5°	544.4	536.6	525.2	510.6	513.8	490.9	464.4	459.4	432.0	414.2	409.2
40°	589.1	591.4	590.5	583.2	567.2	545.7	537.0	524.7	502.3	484.5	486.8
42.5°	627.9	632.5	636.1	625.6	612.9	603.7	591.4	583.6	565.4	543.0	553.9
45°	666.7	670.4	678.2	671.8	662.6	661.3	631.6	638.9	624.3	606.5	624.7
47.5°	712.0	715.6	721.5	722.0	721.1	701.9	677.2	688.2	685.0	663.5	689.1
50°	762.6	763.1	773.6	780.9	766.8	751.7	727.9	733.4	738.4	722.0	751.7
52.5°	817.4	823.4	831.1	836.2	816.5	809.2	789.1	788.2	798.7	781.8	813.8
55°	900.6	903.3	907.0	908.8	883.2	885.9	856.7	854.0	869.5	851.2	889.1
57.5°	1005.1	1012.4	1020.2	1016.6	990.1	987.8	948.1	934.8	961.8	950.8	988.2
60°	1164.1	1170.9	1176.9	1181.0	1166.3	1157.7	1096.5	1086.9	1132.1	1109.7	1154.5
62.5°	1330.3	1337.6	1344.5	1373.2	1358.2	1347.2	1309.7	1309.7	1365.0	1348.6	1391.5
65°	1328.0	1338.5	1354.0	1391.9	1398.8	1393.8	1392.4	1409.8	1495.6	1490.1	1550.4
66°	1303.4	1310.7	1330.3	1368.7	1379.6	1380.1	1391.5	1413.9	1508.9	1502.9	1568.2
67.5°	1245.8	1254.9	1276.0	1321.6	1333.0	1341.7	1371.4	1389.2	1496.1	1492.4	1559.5
70°	1115.7	1119.8	1139.4	1186.9	1214.3	1209.7	1254.5	1261.3	1365.0	1378.2	1425.7
72.5°	859.5	854.0	913.8	979.6	1024.3	1007.0	1039.4	1041.2	1129.4	1128.0	1165.9
75°	457.1	460.3	497.8	585.5	749.4	754.4	760.8	760.4	832.1	831.6	865.4
77.5°	289.1	296.8	311.0	337.5	419.7	479.5	502.8	493.2	524.7	535.7	553.0
80°	116.9	121.9	138.8	182.2	280.4	303.7	311.0	296.8	302.8	288.2	288.2
82.5°	38.8	39.3	44.8	56.6	143.9	200.9	206.9	174.9	172.2	167.1	167.1
85°	21.0	21.0	21.9	29.7	55.7	108.2	118.7	79.9	78.5	66.7	61.7
87.5°	1.8	2.3	1.8	5.0	8.7	16.4	19.2	20.1	22.8	26.0	21.0
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: P179379

CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
2.5°	14.6	14.6	14.6	15.1	15.1	14.6	14.2	12.8	12.3	11.4	10.5
5°	16.9	16.4	15.5	15.1	14.6	14.2	14.2	13.2	11.4	10.0	8.7
7.5°	21.5	19.2	17.8	16.9	15.5	14.2	13.7	13.7	11.0	9.1	8.2
10°	32.0	31.1	23.7	20.6	18.7	17.4	16.4	16.9	13.7	11.0	10.5
12.5°	41.1	38.8	34.7	27.4	21.5	19.6	17.8	16.0	13.7	11.0	9.6
15°	51.6	46.1	42.0	37.4	30.6	25.1	21.9	20.6	16.9	14.2	12.3
17.5°	69.4	67.6	52.1	45.7	39.3	28.3	24.7	20.1	17.8	13.7	12.3
20°	86.8	79.9	68.0	59.8	51.1	39.7	31.5	26.5	21.5	18.3	16.4
22.5°	110.1	103.7	90.9	71.2	60.7	50.7	36.1	31.5	24.7	20.6	18.3
25°	148.9	127.9	112.8	99.1	82.7	66.7	45.7	34.3	27.4	22.8	20.1
27.5°	179.0	166.7	148.0	126.5	96.8	77.2	57.5	39.3	30.6	25.1	21.5
30°	243.0	201.9	195.5	165.8	127.0	91.8	65.8	45.2	32.0	25.6	21.9
32.5°	282.2	268.5	236.6	204.1	166.7	123.3	82.7	50.2	34.3	26.0	23.3
35°	352.1	318.8	301.9	268.1	216.9	158.0	99.1	59.8	34.3	26.5	22.8
37.5°	424.3	389.1	356.7	322.0	262.1	188.2	119.6	67.6	36.5	25.1	21.5
40°	483.2	449.4	405.1	371.3	300.0	219.7	144.3	72.6	35.2	24.2	19.6
42.5°	549.8	509.6	461.2	424.7	343.9	262.6	164.4	85.4	36.1	23.3	17.8
45°	612.4	569.0	520.2	469.0	386.3	303.7	187.7	92.7	39.3	22.8	16.0
47.5°	670.9	625.2	579.1	507.4	438.9	347.1	223.3	110.5	42.0	21.5	14.6
50°	723.4	680.0	628.8	547.6	481.8	379.5	257.6	123.3	45.2	19.6	13.2
52.5°	783.2	738.4	671.8	590.0	521.5	421.1	288.2	140.7	49.3	17.8	11.9
55°	857.2	801.0	736.6	659.9	568.1	474.5	322.9	157.1	54.8	16.0	10.5
57.5°	949.0	901.5	835.7	745.8	638.0	527.0	364.9	178.1	59.8	14.6	9.6
60°	1116.1	1054.5	992.4	886.4	742.1	611.0	415.6	205.5	68.0	13.2	8.7
62.5°	1353.1	1286.0	1185.5	1032.1	877.7	690.5	465.4	232.9	77.2	11.9	8.2
65°	1503.8	1411.6	1277.3	1077.8	927.5	727.0	469.5	232.4	78.1	11.0	7.3
66°	1525.3	1424.8	1280.5	1069.5	920.2	717.9	458.5	229.3	76.7	10.0	6.9
67.5°	1523.0	1412.0	1256.8	1035.3	883.7	685.5	422.9	213.3	72.6	9.6	6.4
70°	1403.8	1293.3	1129.4	917.0	772.7	592.3	363.5	183.1	62.1	8.2	5.5
72.5°	1165.9	1061.3	912.9	727.0	622.9	468.5	278.6	143.9	48.9	6.9	4.6
75°	861.3	761.3	648.5	505.1	410.1	296.4	173.5	93.2	32.0	5.5	3.7
77.5°	537.5	453.0	343.9	257.1	191.3	123.3	61.2	31.5	13.7	4.6	2.7
80°	283.6	231.1	166.7	120.6	88.6	55.3	28.3	14.6	7.3	3.7	1.8
82.5°	163.5	137.5	101.8	75.8	59.4	38.8	21.0	11.9	5.5	2.3	1.4
85°	58.9	50.7	56.6	42.9	32.4	21.5	15.1	9.6	3.7	1.8	1.4
87.5°	21.9	17.8	16.0	13.7	13.2	13.2	12.3	7.3	2.3	1.4	1.4
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: P179379

CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
2.5°	10.0	9.1	9.1	8.7	8.7	8.2	8.2	8.2	8.2	8.2	8.7
5°	8.2	7.8	7.8	7.8	7.3	7.3	8.2	8.7	9.1	9.6	9.1
7.5°	8.2	7.8	7.3	7.8	8.7	6.9	5.5	5.0	4.6	5.0	5.0
10°	9.1	8.7	9.6	6.4	4.6	4.1	4.6	4.6	4.6	5.9	7.3
12.5°	9.1	9.6	7.3	6.4	6.4	5.9	7.3	6.4	6.4	6.4	6.4
15°	12.3	9.1	7.8	6.9	7.8	8.2	8.2	7.8	6.9	6.4	7.8
17.5°	10.5	9.6	9.1	11.0	10.0	8.7	7.8	8.7	9.1	8.2	7.3
20°	14.6	13.2	12.8	11.0	10.0	10.0	10.5	8.7	8.2	8.2	9.1
22.5°	15.5	14.2	14.6	13.7	13.2	10.5	10.0	9.6	9.6	8.7	8.7
25°	18.7	19.2	16.9	14.6	13.2	12.3	11.4	9.6	9.6	8.7	9.1
27.5°	20.1	18.7	16.9	16.0	14.6	11.9	11.4	10.0	9.1	9.1	8.2
30°	21.0	19.2	17.8	16.0	14.2	12.8	11.4	9.6	8.7	8.7	8.2
32.5°	22.4	20.1	16.9	15.1	13.7	11.4	11.0	9.1	8.2	7.3	7.3
35°	20.6	18.3	16.0	14.2	11.9	10.5	9.6	8.7	7.3	6.9	6.4
37.5°	18.3	16.0	14.2	12.3	11.0	9.6	8.7	7.3	6.4	5.9	5.5
40°	16.4	13.7	12.3	10.5	9.6	8.2	7.3	5.9	5.0	4.6	4.1
42.5°	14.6	11.9	10.5	9.1	7.8	6.9	5.9	4.6	3.7	3.2	2.7
45°	12.8	10.5	8.7	7.8	6.4	5.5	4.6	3.2	2.3	1.8	1.4
47.5°	11.4	9.1	7.8	6.4	5.5	4.1	3.2	1.8	1.4	0.9	0.5
50°	10.0	7.8	6.4	5.5	4.1	3.2	2.3	1.4	0.9	0.5	0.5
52.5°	8.7	6.9	5.9	4.6	3.7	2.3	1.4	0.9	0.5	0.5	0.0
55°	7.8	6.4	5.0	3.7	2.7	1.8	0.9	0.5	0.5	0.0	0.0
57.5°	7.3	5.9	4.1	2.7	2.3	1.4	0.9	0.5	0.5	0.0	0.0
60°	6.9	5.0	3.2	2.3	1.8	0.9	0.5	0.5	0.5	0.0	0.0
62.5°	6.4	4.1	2.7	1.8	1.4	0.9	0.5	0.5	0.5	0.5	0.0
65°	5.0	3.2	1.8	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5
66°	4.6	2.7	1.8	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5
67.5°	4.1	2.7	1.4	1.4	0.9	0.9	0.5	0.5	0.5	0.5	0.5
70°	3.2	1.8	1.4	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5
72.5°	2.7	1.8	1.4	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5
75°	2.3	1.4	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5
77.5°	1.8	1.4	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5
80°	1.4	1.4	0.9	0.9	0.9	0.9	0.5	0.9	0.9	0.5	0.5
82.5°	1.4	0.9	0.9	0.9	0.9	1.4	0.5	0.9	0.9	0.9	0.9
85°	1.4	0.9	0.9	1.4	1.4	1.4	0.5	1.4	1.4	1.4	0.9
87.5°	1.4	1.4	1.4	1.4	1.8	1.8	0.9	1.8	1.8	1.8	1.4
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: P179379

CATALOG NUMBER: UTLD-E01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	12.3	12.3	12.3	12.3	12.3
2.5°	8.7	9.1	9.1	9.1	9.1
5°	9.1	8.2	8.7	8.7	8.7
7.5°	5.5	5.5	5.5	5.5	5.5
10°	7.8	7.8	7.8	7.8	7.8
12.5°	6.9	7.3	7.3	7.3	7.3
15°	8.2	8.7	8.7	8.7	9.1
17.5°	7.3	7.3	8.2	7.8	8.2
20°	8.7	8.7	8.7	8.7	8.7
22.5°	7.8	7.8	8.7	9.1	9.1
25°	8.7	8.2	8.2	8.2	8.2
27.5°	8.2	8.7	8.7	8.7	8.7
30°	7.8	7.3	7.8	7.8	8.2
32.5°	7.3	7.3	7.3	7.3	7.3
35°	6.4	6.4	6.4	6.9	6.9
37.5°	5.0	5.0	5.5	5.5	5.5
40°	4.1	3.7	3.7	4.1	4.1
42.5°	2.7	2.3	2.3	2.3	2.3
45°	1.4	0.9	0.9	0.9	0.9
47.5°	0.5	0.5	0.5	0.5	0.5
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°	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.0
85°	0.9	0.9	0.9	0.9	0.0
87.5°	1.4	1.4	1.4	1.4	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)