

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: P179273

Luminaire Tested: **UTLD-F02-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179273
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2157.1 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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

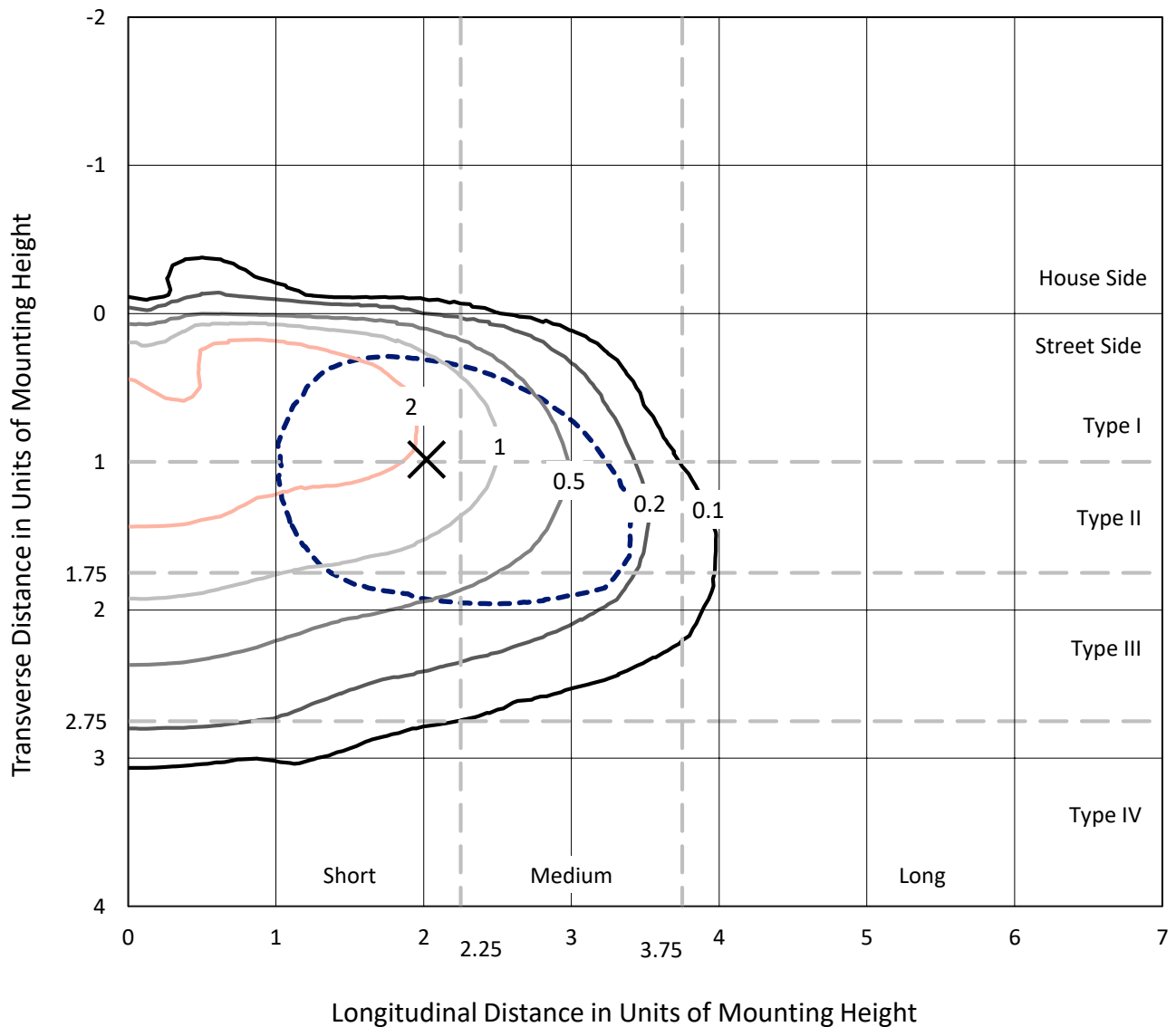


REPORT NUMBER: P179273

CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

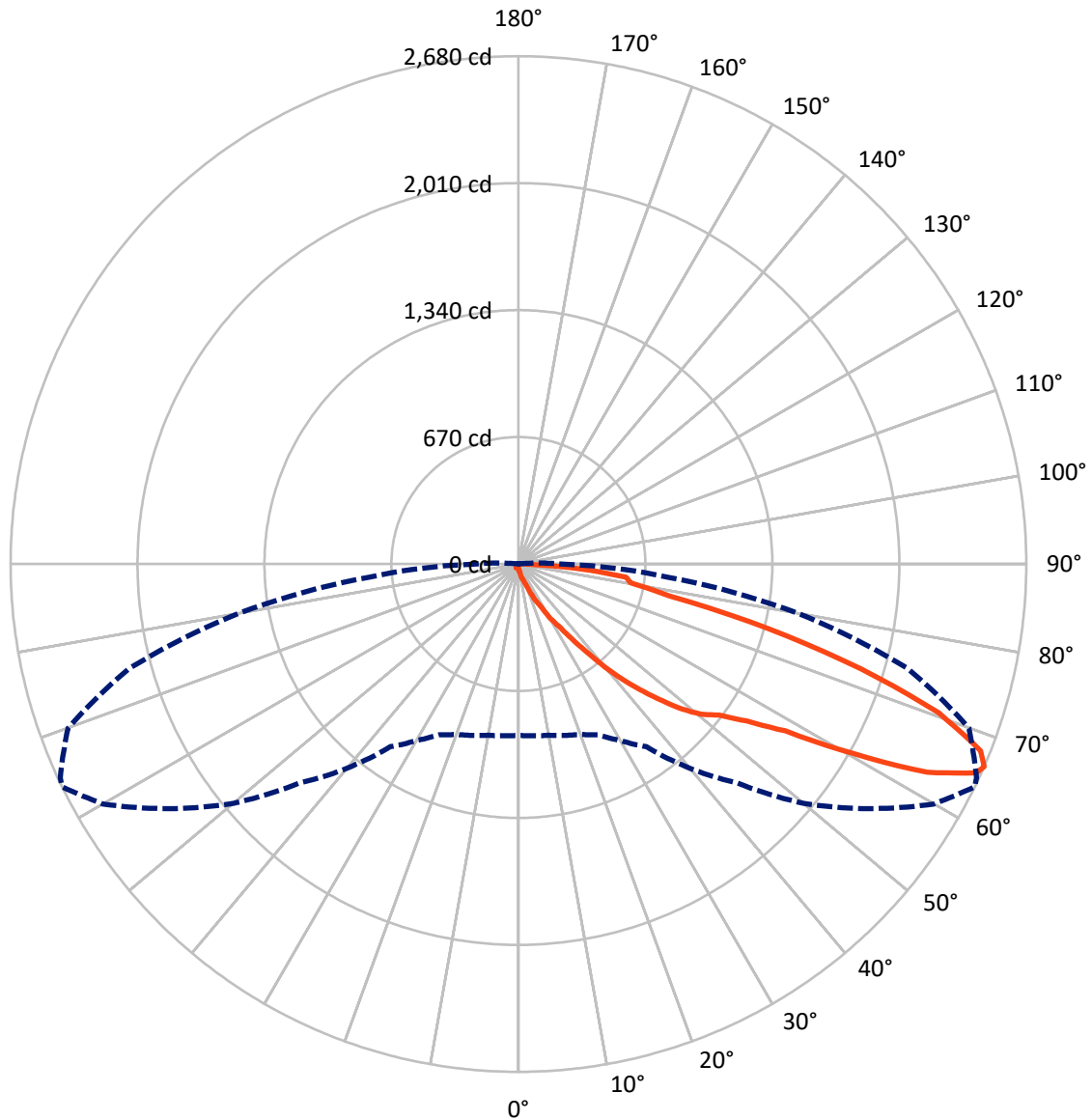


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P179273

CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P179273

CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

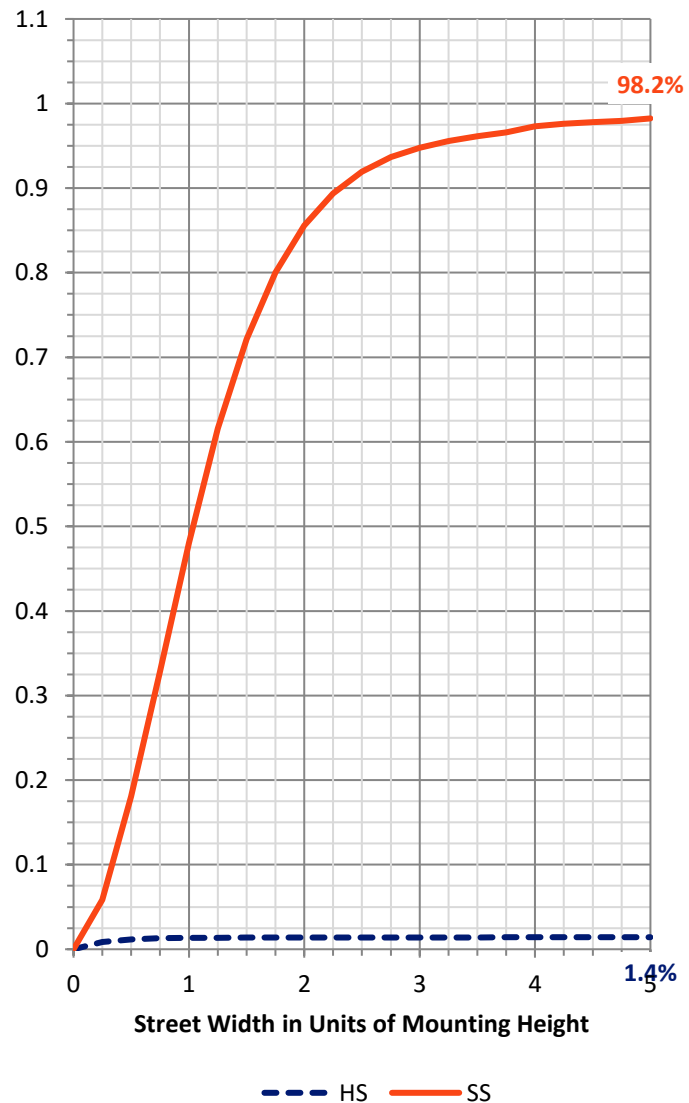
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31.5	0.0	31.5
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	2125.6	0.0	2125.6
	% Fixture	98.5	0.0	98.5
Total	Lumens	2157.1	0.0	2157.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	16.9	0.8
20°-30°	51.5	2.4
30°-40°	137.0	6.4
40°-50°	318.8	14.8
50°-60°	543.5	25.2
60°-70°	717.6	33.3
70°-80°	322.0	14.9
80°-90°	46.9	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°	2157.1	100.0
0°-180°	2157.1	100.0

Coefficient of Utilization



REPORT NUMBER: P179273

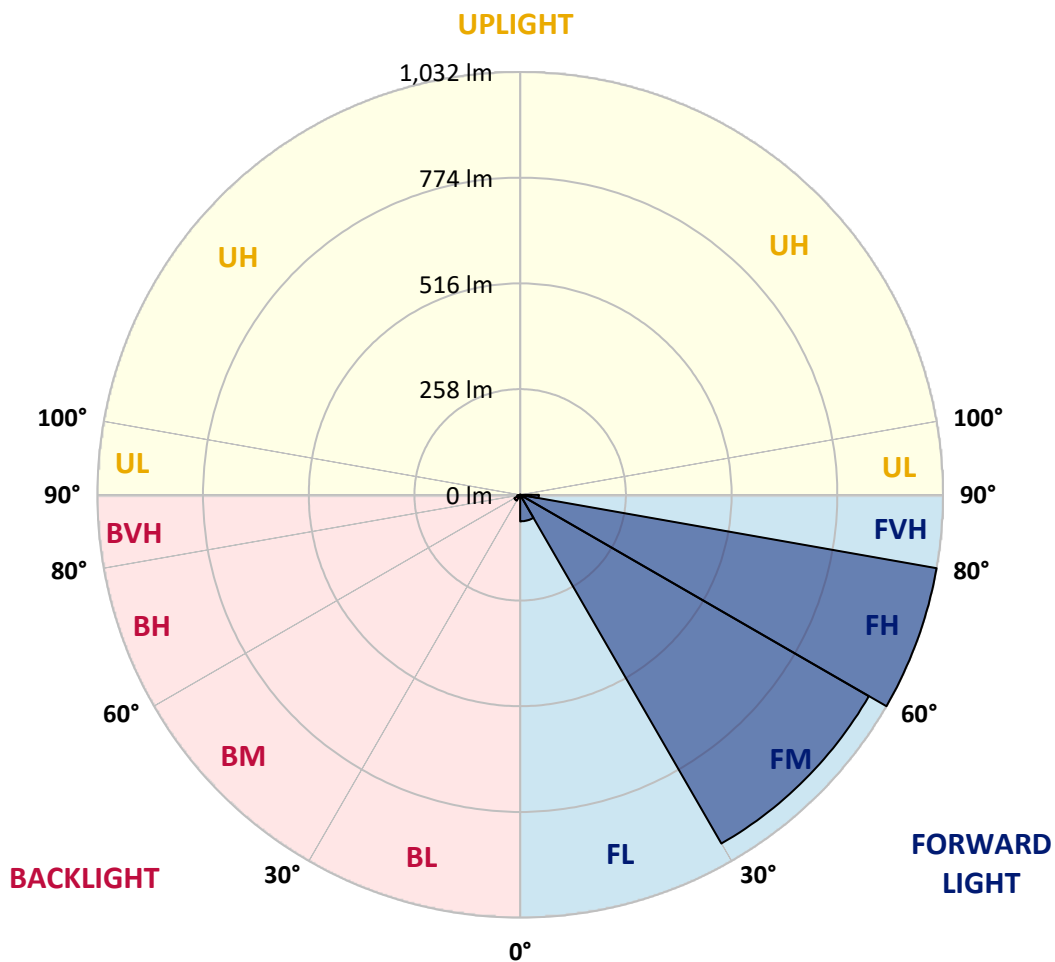
CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.7	3.0			
FM	(30°-60°)	983.0	45.6			
FH	(60°-80°)	1032.3	47.9			G1/1800
FVH	(80°-90°)	45.6	2.1			G1/100
BL	(0°-30°)	6.6	0.3	B0/110		
BM	(30°-60°)	16.4	0.8	B0/220		
BH	(60°-80°)	7.3	0.3	B0/110		G0/110
BVH	(80°-90°)	1.3	0.1			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 III Short





REPORT NUMBER: P179273

CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
2.5°	36.9	36.9	36.9	36.2	35.5	35.5	34.8	34.1	34.1	34.1	33.4
5°	50.2	48.1	46.7	44.6	43.2	43.2	41.8	41.1	40.4	39.7	38.3
7.5°	74.6	73.9	72.5	71.8	71.1	70.4	68.3	67.6	65.5	59.9	46.0
10°	94.8	91.3	91.3	86.4	83.6	80.8	78.0	76.6	76.6	71.8	68.3
12.5°	113.6	114.3	115.0	115.7	113.6	112.2	110.1	107.3	88.5	84.3	84.3
15°	151.2	149.8	147.7	137.3	121.9	119.1	113.6	114.3	124.0	117.7	100.3
17.5°	156.8	156.8	155.4	153.3	150.5	145.6	146.3	142.1	128.9	126.1	125.4
20°	202.1	202.1	199.3	192.3	176.3	153.3	158.2	152.6	153.3	150.5	142.8
22.5°	219.5	220.2	214.6	206.9	195.8	194.4	183.2	160.2	167.2	163.0	165.1
25°	278.0	276.6	268.9	252.9	238.3	204.1	188.1	191.6	181.8	176.3	202.1
27.5°	342.1	340.7	312.8	280.8	257.8	234.1	223.0	202.8	206.9	211.8	220.2
30°	376.9	373.5	359.5	335.1	307.3	276.6	238.3	232.7	227.8	232.0	289.8
32.5°	455.7	455.0	436.2	406.9	372.8	314.9	282.9	271.7	259.9	294.7	336.5
35°	543.5	540.7	526.7	483.5	438.9	395.0	371.4	335.8	346.3	367.2	432.0
37.5°	612.4	612.4	593.6	555.3	535.1	498.9	468.2	462.6	446.6	477.3	553.9
40°	651.4	655.6	659.8	646.6	627.1	611.7	595.0	583.9	590.1	604.8	682.8
42.5°	715.5	723.2	736.4	730.2	721.1	724.6	700.2	706.5	717.6	739.9	820.1
45°	808.9	815.2	829.8	841.0	856.3	847.9	801.9	834.7	858.4	873.0	958.0
47.5°	901.6	913.4	932.9	949.7	974.0	965.7	939.9	953.8	977.5	992.8	1091.1
50°	982.4	993.5	1014.4	1039.5	1050.0	1070.2	1060.4	1067.4	1095.3	1107.8	1204.0
52.5°	1043.0	1048.6	1066.7	1095.3	1106.4	1137.8	1141.9	1141.3	1195.6	1215.1	1315.4
55°	1075.1	1080.6	1098.1	1120.4	1135.0	1177.5	1173.3	1185.1	1266.0	1302.9	1429.0
57.5°	1081.3	1088.3	1102.2	1130.1	1141.9	1192.1	1182.4	1210.2	1316.1	1392.1	1549.5
60°	1069.5	1077.2	1089.0	1115.5	1132.2	1180.3	1194.9	1233.2	1367.0	1488.9	1703.5
62.5°	1018.6	1030.5	1037.4	1066.0	1082.0	1122.4	1189.3	1260.4	1423.4	1580.2	1867.3
65°	940.6	946.9	956.6	977.5	996.3	1036.7	1125.9	1229.0	1438.1	1637.3	1962.7
66°	904.4	909.9	917.6	936.4	956.6	994.2	1075.1	1176.8	1406.0	1634.5	1965.5
67.5°	834.0	836.8	850.7	865.3	887.6	911.3	973.3	1074.4	1311.3	1564.2	1913.2
70°	563.0	572.0	610.3	661.2	692.6	689.1	728.1	817.3	1026.3	1271.5	1650.6
72.5°	264.8	267.5	272.4	292.6	408.3	432.0	459.1	535.8	693.3	885.6	1204.7
75°	216.7	219.5	227.8	238.3	262.7	291.2	301.0	330.9	445.2	549.0	736.4
77.5°	73.9	75.9	81.5	96.8	148.4	186.0	219.5	273.1	335.1	390.2	482.8
80°	30.7	32.7	35.5	32.7	38.3	63.4	80.1	117.1	204.1	299.6	382.5
82.5°	16.7	17.4	19.5	18.1	22.3	29.3	31.4	34.1	49.5	100.3	214.6
85°	4.9	4.9	5.6	9.1	13.2	19.5	19.5	18.8	18.8	28.6	53.6
87.5°	1.4	1.4	2.1	2.8	4.2	7.0	8.4	8.4	9.1	11.8	17.4
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: P179273

CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
2.5°	33.4	33.4	33.4	33.4	32.7	32.7	30.7	27.9	25.1	22.3	20.2
5°	37.6	35.5	34.8	34.8	32.7	32.7	32.0	30.0	23.0	19.5	17.4
7.5°	42.5	39.7	38.3	38.3	36.2	33.4	32.0	30.7	23.7	18.8	16.7
10°	66.9	55.7	48.1	46.0	43.2	39.7	37.6	37.6	27.9	22.3	20.2
12.5°	81.5	77.3	72.5	69.0	50.2	45.3	43.2	37.6	29.3	21.6	18.8
15°	93.4	87.1	81.5	80.1	79.4	60.6	52.3	47.4	34.1	27.9	23.0
17.5°	134.5	107.3	98.2	97.5	88.5	66.9	57.8	47.4	36.9	27.9	23.0
20°	142.1	131.7	117.1	119.8	121.2	105.9	82.9	64.8	48.8	36.9	27.9
22.5°	182.5	177.0	167.9	165.1	138.7	121.2	89.9	75.9	53.0	36.9	27.9
25°	209.0	205.5	217.4	215.3	200.0	168.6	123.3	90.6	66.2	42.5	31.4
27.5°	260.6	277.3	254.3	261.3	232.0	202.8	162.3	112.2	70.4	44.6	32.0
30°	296.1	319.8	335.1	330.9	293.3	236.2	180.5	126.8	76.6	44.6	33.4
32.5°	372.1	388.1	390.9	382.5	360.2	298.2	216.0	145.6	80.1	46.0	35.5
35°	442.4	482.8	482.1	483.5	438.9	367.2	261.3	156.8	85.7	46.0	35.5
37.5°	578.3	600.6	597.8	597.1	547.6	448.7	308.0	189.5	92.0	46.0	34.8
40°	709.3	736.4	735.8	728.1	675.8	546.2	386.7	216.0	98.2	47.4	32.7
42.5°	836.1	848.6	869.5	872.3	783.1	658.4	466.8	252.2	105.2	48.8	31.4
45°	968.5	954.5	994.2	991.5	909.2	777.6	535.1	294.7	116.4	47.4	29.3
47.5°	1102.2	1099.4	1133.6	1108.5	1047.2	919.7	632.6	340.0	123.3	45.3	27.2
50°	1220.7	1243.0	1245.8	1208.8	1177.5	1059.0	761.5	400.6	137.3	41.8	25.8
52.5°	1324.5	1360.7	1324.5	1316.8	1315.4	1169.8	870.2	455.0	150.5	38.3	23.7
55°	1454.1	1480.6	1461.1	1463.8	1477.8	1357.9	1004.0	555.3	173.5	34.8	21.6
57.5°	1619.9	1672.9	1661.7	1710.5	1713.3	1624.1	1194.2	669.6	200.7	32.0	19.5
60°	1840.1	1970.4	2033.8	2088.1	2025.4	1913.9	1405.3	764.3	222.3	29.3	17.4
62.5°	2093.0	2307.6	2420.5	2481.8	2309.0	2070.7	1491.0	804.7	227.1	25.8	15.3
65°	2237.9	2506.2	2656.7	2660.8	2495.7	2118.1	1503.6	803.3	222.3	22.3	13.2
66°	2251.2	2531.9	2680.3	2667.8	2529.2	2123.6	1495.2	790.8	217.4	20.9	12.5
67.5°	2203.1	2483.9	2630.9	2607.2	2508.9	2092.3	1440.2	758.7	207.6	18.8	11.8
70°	1952.3	2204.5	2353.6	2321.5	2328.5	1907.7	1208.8	647.3	181.2	15.3	10.5
72.5°	1539.1	1822.7	1888.2	1864.5	1907.0	1410.9	854.2	454.3	135.2	12.5	9.1
75°	1032.6	1316.1	1361.4	1342.6	1208.8	710.7	339.3	191.6	70.4	10.5	7.7
77.5°	622.2	829.1	817.3	819.4	647.3	288.4	64.1	44.6	23.7	8.4	5.6
80°	455.0	575.5	599.2	613.8	507.9	188.8	35.5	26.5	13.9	6.3	4.2
82.5°	369.3	515.6	573.4	579.0	459.8	149.8	27.2	20.9	10.5	4.9	2.8
85°	101.0	263.4	325.4	308.7	195.8	50.9	19.5	13.9	7.0	3.5	2.8
87.5°	23.7	59.9	75.9	78.0	55.7	18.8	16.7	13.2	4.9	2.8	2.8
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: P179273

CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
2.5°	19.5	18.8	18.1	17.4	17.4	16.7	16.7	16.7	16.0	16.7	16.7
5°	16.7	16.0	15.3	14.6	13.9	13.9	13.9	14.6	15.3	15.3	15.3
7.5°	16.0	14.6	13.9	13.9	13.9	9.8	7.0	6.3	6.3	6.3	7.0
10°	16.7	14.6	15.3	8.4	5.6	5.6	5.6	5.6	5.6	7.7	9.1
12.5°	17.4	16.0	9.1	8.4	7.7	7.0	8.4	7.7	7.7	8.4	8.4
15°	20.2	12.5	9.8	8.4	9.8	10.5	9.8	9.1	7.7	7.7	9.1
17.5°	16.7	12.5	11.1	12.5	12.5	10.5	9.1	10.5	10.5	9.8	9.1
20°	20.2	17.4	15.3	13.2	11.8	11.1	11.8	10.5	9.8	9.8	10.5
22.5°	21.6	18.8	19.5	17.4	16.0	12.5	11.8	10.5	11.1	10.5	10.5
25°	26.5	26.5	23.0	18.1	16.7	14.6	13.9	11.1	11.1	9.8	10.5
27.5°	28.6	25.8	23.0	20.9	18.8	14.6	13.9	11.8	10.5	10.5	9.1
30°	30.0	26.5	23.7	20.9	18.1	16.0	13.9	11.8	10.5	9.8	9.8
32.5°	32.0	27.9	23.0	19.5	17.4	14.6	13.9	11.1	9.8	8.4	8.4
35°	30.0	25.8	22.3	19.5	16.0	13.9	12.5	10.5	8.4	8.4	7.7
37.5°	27.9	23.7	20.2	18.1	15.3	12.5	11.1	9.1	7.7	7.0	7.0
40°	26.5	22.3	18.8	16.0	13.2	11.1	9.8	7.7	6.3	5.6	5.6
42.5°	24.4	20.2	16.7	13.9	11.8	9.8	8.4	6.3	4.9	4.2	4.2
45°	23.0	18.8	15.3	12.5	9.8	8.4	6.3	4.9	3.5	2.8	2.8
47.5°	21.6	17.4	13.2	10.5	8.4	7.0	4.9	3.5	2.1	2.1	1.4
50°	19.5	15.3	11.8	9.1	7.0	5.6	3.5	2.1	1.4	0.7	0.7
52.5°	18.1	13.2	10.5	7.7	5.6	4.2	2.8	1.4	0.7	0.7	0.7
55°	16.0	11.8	9.1	6.3	4.9	2.8	1.4	0.7	0.7	0.7	0.7
57.5°	13.9	9.8	7.7	5.6	3.5	2.1	1.4	0.7	0.7	0.7	0.0
60°	11.8	8.4	6.3	4.2	2.8	1.4	0.7	0.7	0.7	0.7	0.0
62.5°	10.5	7.0	4.9	3.5	2.1	1.4	0.7	0.7	0.7	0.7	0.0
65°	9.1	5.6	4.2	2.8	1.4	1.4	0.7	0.7	0.7	0.7	0.0
66°	8.4	5.6	3.5	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.0
67.5°	7.7	4.9	3.5	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.7
70°	7.0	4.2	2.8	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	6.3	3.5	2.1	2.1	1.4	1.4	0.7	0.7	0.7	0.7	0.7
75°	4.2	2.1	2.1	1.4	1.4	1.4	0.7	1.4	1.4	1.4	1.4
77.5°	2.8	2.1	1.4	1.4	1.4	1.4	0.7	1.4	1.4	1.4	1.4
80°	2.8	2.1	2.1	2.1	2.1	2.1	0.7	2.1	2.1	2.1	1.4
82.5°	2.1	2.1	2.1	2.1	2.8	2.8	0.7	2.8	2.8	2.1	2.1
85°	2.1	2.1	2.1	2.8	2.8	3.5	0.7	2.8	2.8	2.8	2.8
87.5°	2.1	2.8	2.8	2.8	3.5	3.5	1.4	3.5	3.5	3.5	2.8
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: P179273

CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	25.8	25.8	25.8	25.8	25.8
2.5°	16.7	17.4	17.4	18.1	18.1
5°	13.9	13.9	12.5	12.5	11.8
7.5°	7.0	7.0	7.7	7.7	7.7
10°	9.8	10.5	10.5	10.5	11.1
12.5°	8.4	9.1	9.8	9.8	9.8
15°	9.8	10.5	11.1	11.1	11.1
17.5°	9.1	9.1	9.8	9.8	10.5
20°	10.5	10.5	10.5	10.5	10.5
22.5°	9.1	9.1	10.5	11.1	11.1
25°	10.5	9.8	9.8	10.5	9.8
27.5°	9.1	9.8	10.5	10.5	10.5
30°	9.1	9.1	9.1	9.1	9.8
32.5°	9.1	9.1	9.1	9.1	9.1
35°	7.7	8.4	8.4	9.1	9.1
37.5°	7.0	7.0	7.7	7.7	7.7
40°	5.6	5.6	5.6	6.3	6.3
42.5°	4.2	4.2	4.2	4.9	4.2
45°	2.8	2.8	2.8	2.8	2.8
47.5°	1.4	1.4	2.1	2.1	2.1
50°	0.7	0.7	1.4	1.4	1.4
52.5°	0.7	0.7	0.7	1.4	1.4
55°	0.7	0.7	0.7	0.7	1.4
57.5°	0.0	0.7	0.7	0.7	0.7
60°	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
66°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	1.4
72.5°	0.7	0.7	1.4	0.7	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	2.1	2.1	1.4	1.4
82.5°	2.1	2.1	2.1	2.1	1.4
85°	2.1	2.1	2.8	2.8	1.4
87.5°	2.8	2.8	2.8	2.8	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)