

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: P179293

Luminaire Tested: **UTLD-F01-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179293
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-F01-LED-E-U-SL4-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1245.4 lumens
Efficiency: N/A
Efficacy: 48.1 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): 25.9
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

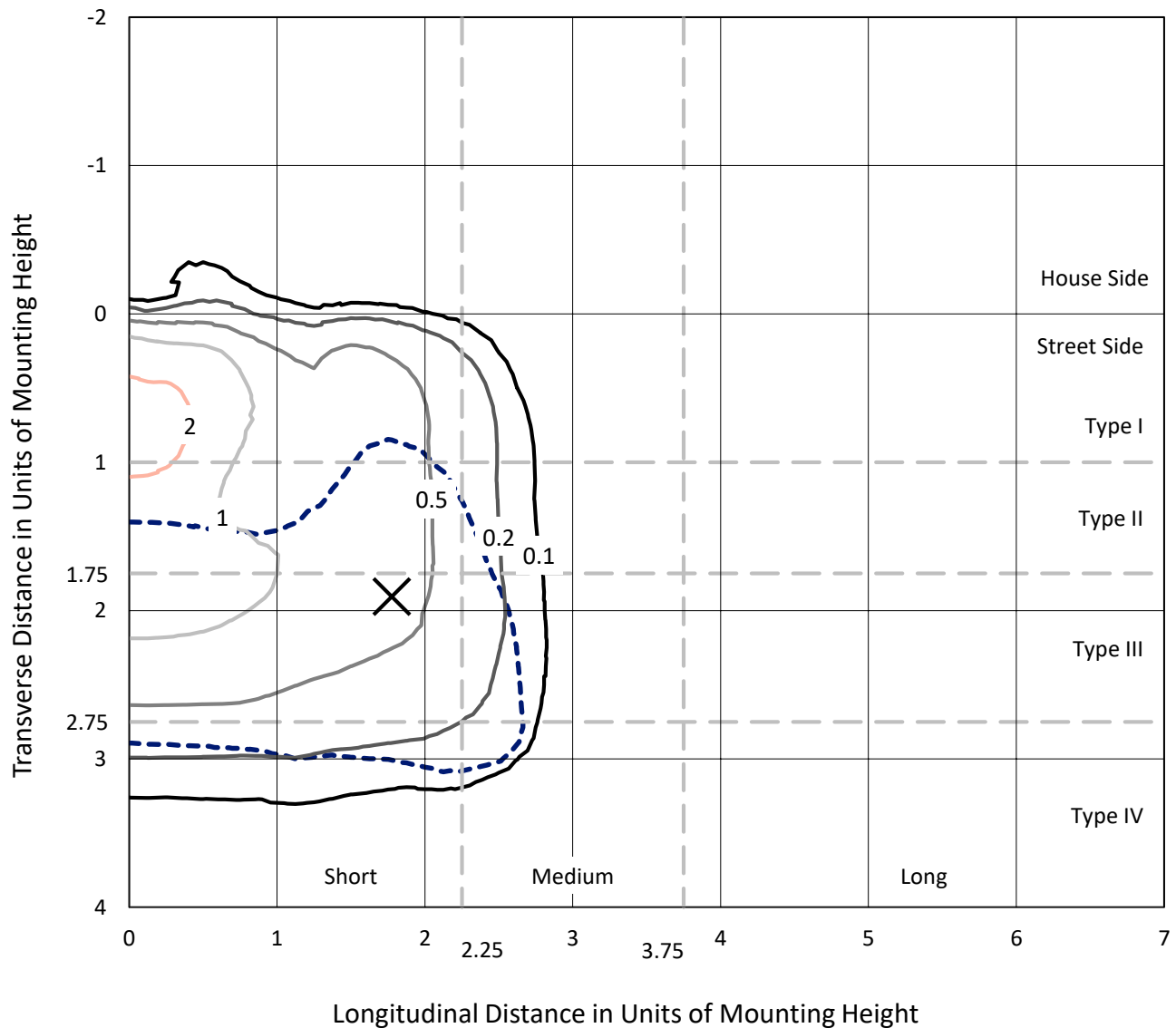


REPORT NUMBER: P179293

CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

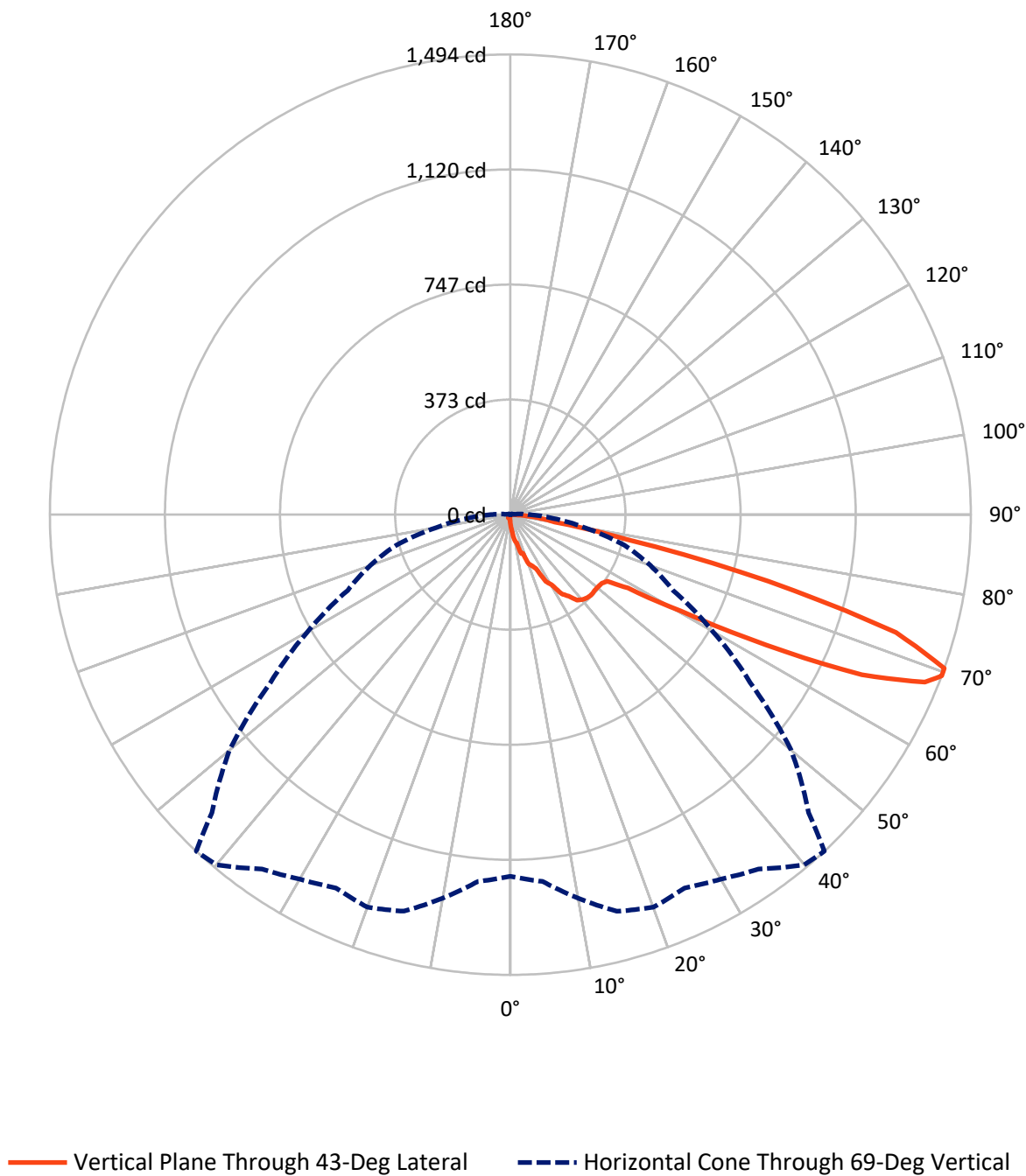


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179293

CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P179293

CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

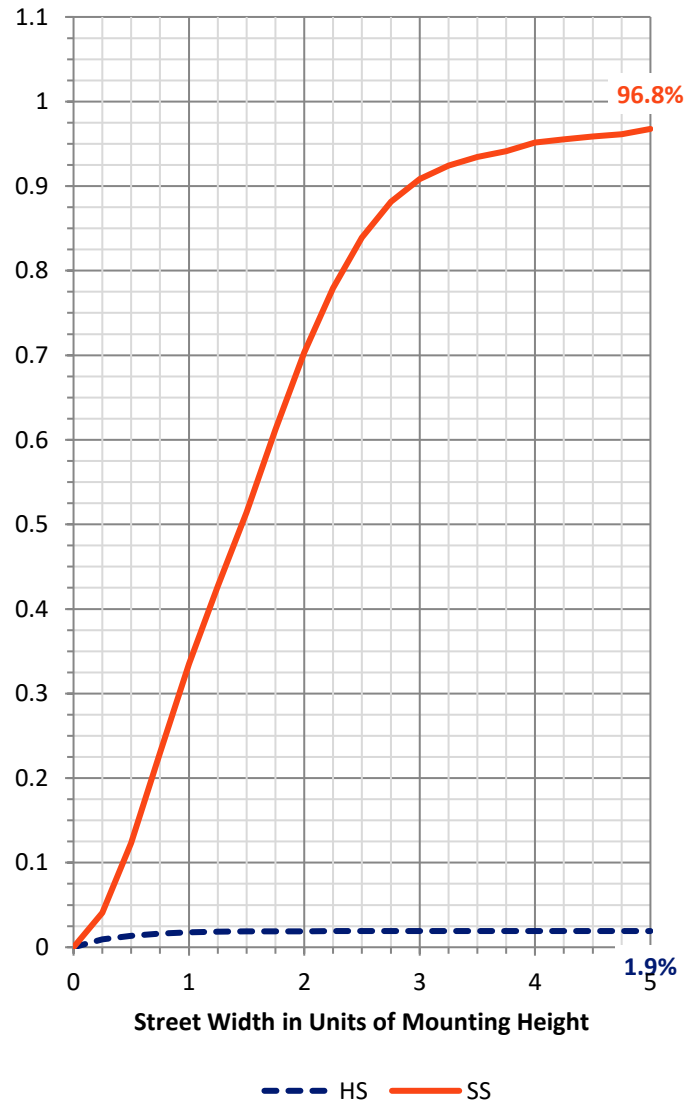
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24.1	0.0	24.1
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1221.3	0.0	1221.3
	% Fixture	98.1	0.0	98.1
Total	Lumens	1245.4	0.0	1245.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.3
10°-20°	17.3	1.4
20°-30°	47.7	3.8
30°-40°	100.0	8.0
40°-50°	144.4	11.6
50°-60°	224.1	18.0
60°-70°	473.1	38.0
70°-80°	210.4	16.9
80°-90°	25.0	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°	1245.4	100.0
0°-180°	1245.4	100.0

Coefficient of Utilization



REPORT NUMBER: P179293

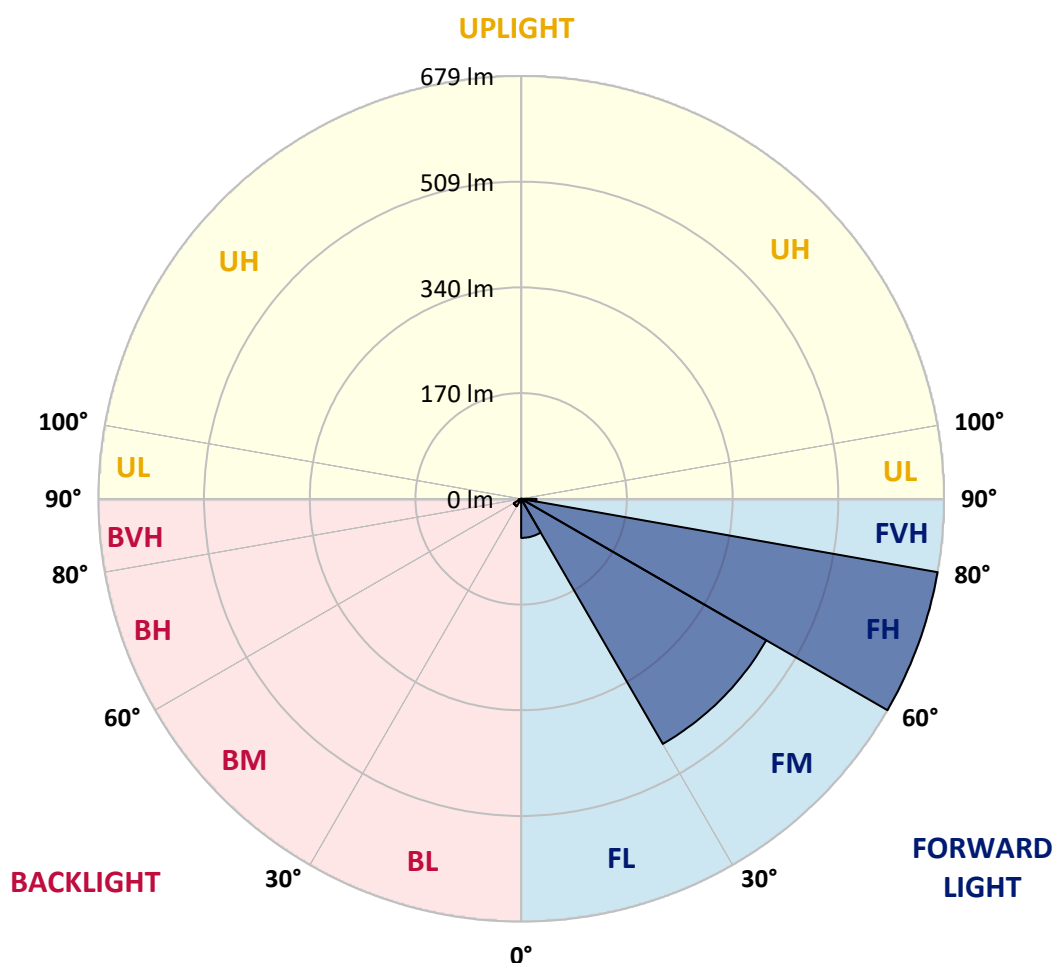
CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.8	5.0			
FM	(30°-60°)	454.7	36.5			
FH	(60°-80°)	679.2	54.5			G1/1800
FVH	(80°-90°)	24.6	2.0			G1/100
BL	(0°-30°)	5.7	0.5	B0/110		
BM	(30°-60°)	13.8	1.1	B0/220		
BH	(60°-80°)	4.2	0.3	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type IV Short





REPORT NUMBER: P179293

CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	43°	45°
0°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
2.5°	46.0	46.0	45.6	45.3	44.2	43.9	42.8	42.2	42.5	42.2	41.8
5°	58.9	57.8	56.4	54.3	53.6	52.6	51.9	50.2	49.5	49.1	48.4
7.5°	97.5	95.1	93.7	93.4	92.3	91.3	88.5	86.0	83.6	74.6	61.7
10°	104.9	105.2	105.6	103.5	104.2	100.7	97.2	95.1	93.7	88.5	85.4
12.5°	138.0	135.9	135.5	136.9	133.8	132.0	128.2	121.9	101.0	94.1	96.5
15°	159.9	162.7	152.6	140.4	137.6	134.8	126.8	128.2	137.6	131.3	124.4
17.5°	172.1	172.8	171.0	169.7	164.8	161.6	167.2	141.8	139.0	131.7	126.8
20°	215.6	216.3	213.2	198.6	180.5	171.4	176.6	166.9	163.4	170.7	145.3
22.5°	235.8	236.5	233.8	229.6	221.6	223.3	211.1	179.4	181.8	180.5	163.0
25°	289.5	291.2	288.1	281.1	274.5	243.2	229.9	229.9	209.7	193.7	184.3
27.5°	345.9	339.3	318.4	309.4	304.5	288.4	287.4	251.5	240.4	245.6	213.9
30°	384.2	385.3	381.8	366.8	357.4	353.2	314.2	294.7	268.6	264.1	233.1
32.5°	459.5	459.8	452.5	445.6	402.0	383.6	356.7	331.6	293.0	306.2	266.5
35°	531.6	533.4	513.8	474.8	461.9	427.1	393.7	351.2	325.4	324.7	283.2
37.5°	574.1	574.1	559.5	531.3	517.7	469.6	416.0	384.2	337.9	352.5	305.9
40°	628.1	626.7	614.2	581.1	541.7	485.6	442.8	399.2	359.9	362.0	320.8
42.5°	649.7	648.0	639.3	605.8	553.2	505.5	449.4	403.4	365.1	367.9	327.8
45°	660.5	658.8	649.4	612.8	557.7	507.9	447.3	401.0	366.1	369.6	331.6
47.5°	658.1	655.6	648.0	617.3	571.3	506.2	433.7	395.7	364.4	367.9	333.0
50°	644.8	644.1	637.2	609.6	569.9	499.2	426.1	390.5	364.0	368.2	335.8
52.5°	637.2	637.9	631.2	612.1	562.3	496.8	430.2	392.3	366.1	371.0	340.0
55°	737.5	724.6	699.2	659.1	588.0	517.7	450.1	404.8	376.6	381.5	349.8
57.5°	1070.2	1058.3	1005.7	908.5	770.9	631.9	526.7	463.0	436.2	449.4	422.9
60°	1265.6	1252.0	1238.8	1194.9	1079.9	955.9	767.1	663.3	613.5	634.4	608.3
62.5°	1346.8	1345.7	1339.5	1331.5	1251.7	1194.9	1054.2	953.8	916.2	931.5	876.1
65°	1397.7	1404.3	1405.7	1409.8	1357.9	1314.7	1232.5	1206.7	1256.6	1253.1	1149.6
67.5°	1361.8	1365.6	1388.6	1424.5	1398.7	1358.6	1347.1	1368.4	1432.5	1450.6	1322.4
69°	1173.7	1194.6	1263.5	1332.2	1355.8	1336.7	1365.6	1403.9	1483.0	1493.5	1368.7
70°	935.7	973.3	1050.7	1194.2	1251.0	1253.4	1337.7	1398.0	1487.2	1493.1	1371.5
72.5°	420.5	427.4	469.9	546.2	762.9	836.8	1043.4	1231.1	1322.4	1308.5	1191.4
75°	283.9	287.1	284.6	288.1	329.6	396.4	505.8	783.5	893.2	864.6	755.6
77.5°	235.1	234.8	230.3	227.1	228.5	238.3	237.6	271.7	376.6	387.0	340.0
80°	210.8	208.7	204.8	198.6	192.0	182.5	172.8	154.0	141.1	146.0	128.9
82.5°	114.3	110.4	119.1	127.5	146.7	154.7	142.1	118.8	106.6	100.0	89.2
85°	26.8	25.8	30.3	42.2	72.1	73.5	71.4	58.9	51.2	47.7	43.2
87.5°	7.0	7.0	7.3	7.3	35.5	40.8	33.1	15.0	11.5	10.1	8.7
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: P179293

CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
2.5°	41.1	40.8	40.1	40.1	39.4	37.6	32.7	28.2	25.4	24.4	23.3
5°	46.7	45.3	43.5	41.8	40.1	39.0	38.3	31.0	24.0	22.3	20.6
7.5°	53.3	50.2	47.4	44.6	42.2	38.3	36.2	34.5	23.3	20.6	18.8
10°	80.5	77.0	54.0	53.6	47.7	43.5	41.8	40.1	27.9	23.7	20.6
12.5°	95.8	90.9	81.9	67.2	49.8	47.0	41.1	36.9	26.5	20.9	19.2
15°	101.7	95.8	86.4	82.2	64.1	55.7	47.0	42.5	29.3	25.1	20.6
17.5°	125.8	122.6	97.5	88.5	77.0	55.4	48.4	37.6	29.3	22.3	19.5
20°	136.2	128.2	110.1	104.9	93.4	75.9	57.8	49.8	35.9	29.3	22.3
22.5°	152.9	150.8	138.7	110.8	97.9	82.6	59.9	52.3	39.0	28.2	21.3
25°	183.2	160.9	144.9	140.7	121.6	101.4	75.9	57.5	42.2	29.6	23.3
27.5°	198.2	186.4	168.3	152.2	125.1	104.9	85.0	62.7	45.3	32.0	24.0
30°	239.3	198.9	185.3	169.0	139.7	111.1	86.4	65.5	44.9	31.4	24.4
32.5°	255.7	228.5	204.1	177.7	157.1	124.7	95.8	66.5	46.7	32.4	26.8
35°	278.3	244.6	226.4	200.3	169.3	135.5	98.2	68.6	44.2	31.4	26.5
37.5°	297.5	261.3	231.7	207.6	174.2	138.7	101.4	70.7	45.6	30.7	25.4
40°	307.6	269.3	235.5	212.9	173.8	140.4	107.3	68.3	44.2	30.0	23.7
42.5°	316.0	278.0	241.8	218.4	180.8	148.1	109.0	71.8	43.9	30.0	21.9
45°	321.5	286.0	255.7	225.0	189.9	156.4	111.5	72.5	44.6	30.0	20.6
47.5°	324.7	295.8	269.6	234.8	205.9	172.8	125.8	79.1	45.6	28.9	19.2
50°	328.9	306.2	281.1	247.3	223.0	182.2	136.6	82.6	47.0	27.2	18.1
52.5°	332.0	311.8	288.8	263.0	247.3	211.5	163.4	98.9	50.9	26.1	17.1
55°	347.0	336.5	335.1	342.4	353.6	346.6	280.8	170.0	78.4	30.7	19.5
57.5°	446.3	465.1	499.2	528.5	520.1	503.4	403.8	235.1	106.3	33.4	22.6
60°	649.7	668.5	682.1	668.2	621.5	581.4	455.3	266.5	118.4	27.9	17.8
62.5°	869.5	835.0	793.2	730.5	677.9	601.3	479.4	284.3	121.6	23.7	13.2
65°	1060.4	951.7	857.0	744.5	679.7	598.5	473.4	277.0	116.4	19.5	10.8
67.5°	1176.1	990.8	843.1	689.4	595.0	501.3	365.8	212.9	89.2	15.7	9.1
69°	1189.3	949.7	758.7	582.1	483.9	382.5	244.9	140.7	62.4	13.2	8.0
70°	1164.9	892.9	663.3	487.4	386.0	283.9	178.4	103.5	44.9	11.8	7.7
72.5°	940.9	618.7	380.4	239.7	169.3	117.7	72.1	42.2	19.2	8.7	6.6
75°	515.9	265.8	150.5	99.6	77.3	59.2	40.8	22.6	11.1	7.3	5.6
77.5°	189.9	119.8	86.0	68.3	44.9	25.8	17.4	12.9	9.1	5.9	4.2
80°	113.9	83.3	60.6	32.4	21.6	16.4	12.5	10.1	7.3	4.5	2.8
82.5°	72.8	49.5	26.1	19.2	15.3	12.2	9.8	8.4	5.2	3.1	1.4
85°	33.4	19.9	15.7	13.6	11.8	10.8	10.1	8.4	4.2	1.7	1.0
87.5°	7.7	7.3	8.7	8.0	7.7	7.3	6.6	5.6	2.1	1.4	1.0
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: P179293

CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
2.5°	22.6	21.9	21.3	20.9	20.2	20.2	19.5	19.5	19.2	18.8	19.2
5°	19.2	18.5	17.8	17.1	16.4	15.7	16.0	16.4	16.4	16.7	14.6
7.5°	17.8	16.7	15.3	14.6	14.3	7.0	5.6	5.2	4.9	5.2	5.2
10°	18.1	16.4	15.3	6.3	4.5	4.5	4.5	4.5	4.9	5.9	7.3
12.5°	17.1	15.0	8.0	7.3	6.6	6.3	7.3	7.0	7.0	7.0	7.0
15°	19.2	10.8	8.4	7.3	8.0	8.7	8.7	8.4	7.0	7.0	8.4
17.5°	12.2	10.1	9.4	11.1	10.8	9.1	8.4	9.4	9.8	9.1	8.0
20°	16.0	14.3	12.9	11.1	10.5	10.5	11.5	9.8	9.1	9.4	9.8
22.5°	16.4	15.3	16.0	15.0	13.9	11.1	10.8	10.5	10.8	10.1	9.8
25°	20.6	20.9	18.8	15.3	14.6	13.6	12.5	10.5	10.8	9.8	10.5
27.5°	21.9	20.6	18.8	18.1	16.7	13.6	13.6	11.5	10.8	10.8	9.4
30°	23.0	20.9	19.5	17.8	16.0	15.0	13.2	11.8	10.8	10.5	10.1
32.5°	24.4	21.6	18.8	17.4	16.0	13.9	13.6	11.8	10.8	9.8	9.8
35°	22.6	20.2	18.5	17.1	14.6	13.2	12.5	11.5	10.1	9.8	9.1
37.5°	20.6	18.5	17.1	15.3	13.9	12.2	11.8	10.5	9.8	9.1	8.7
40°	18.8	16.7	15.3	13.9	12.5	11.1	10.5	9.4	8.4	8.0	8.0
42.5°	17.8	15.3	13.6	12.5	11.1	10.1	9.4	8.4	7.7	7.3	7.3
45°	16.4	13.9	12.2	10.8	9.8	9.1	8.4	7.3	6.6	6.6	6.6
47.5°	15.7	12.9	11.1	9.8	8.7	8.0	7.3	6.3	5.6	5.9	5.9
50°	14.6	11.8	9.8	9.1	8.0	7.3	6.6	5.6	5.2	5.2	5.2
52.5°	13.6	10.5	8.7	8.0	7.3	6.6	5.6	4.5	4.2	4.5	4.2
55°	13.6	9.4	7.7	7.0	6.3	5.6	4.5	3.8	3.5	3.1	2.8
57.5°	16.0	9.4	6.6	6.3	5.6	4.5	3.5	2.8	2.4	1.7	1.4
60°	13.9	9.4	5.9	5.6	4.9	3.8	2.8	2.1	1.4	1.0	0.7
62.5°	9.8	7.3	5.2	4.9	3.8	2.8	1.7	1.0	0.7	0.3	0.3
65°	8.4	5.9	4.9	4.2	3.1	2.1	1.0	0.7	0.3	0.3	0.3
67.5°	7.3	5.6	4.2	3.5	2.8	1.4	0.7	0.3	0.3	0.3	0.3
69°	6.6	5.2	4.2	3.1	2.4	1.0	0.7	0.3	0.3	0.3	0.3
70°	6.3	4.9	3.8	3.1	2.1	1.0	0.3	0.3	0.3	0.3	0.3
72.5°	5.2	3.8	3.1	2.8	1.7	0.7	0.3	0.3	0.3	0.3	0.3
75°	3.8	3.1	2.1	2.1	1.4	0.7	0.3	0.3	0.3	0.3	0.0
77.5°	2.8	2.1	1.4	1.4	1.0	0.7	0.3	0.3	0.3	0.3	0.0
80°	1.7	1.4	1.0	1.0	0.7	0.7	0.0	0.3	0.3	0.3	0.3
82.5°	1.0	1.0	1.0	0.7	0.7	0.7	0.3	0.7	0.3	0.3	0.3
85°	1.0	1.0	1.0	0.7	0.7	0.7	0.3	0.7	0.7	0.7	0.3
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.3	1.0	1.0	0.7	0.7
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: P179293

CATALOG NUMBER: UTLD-F01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	27.5	27.5	27.5	27.5	27.5
2.5°	19.2	19.2	19.5	19.9	19.9
5°	11.1	7.7	8.0	8.0	8.0
7.5°	5.2	5.2	5.6	5.6	5.6
10°	8.0	8.0	8.0	8.0	8.4
12.5°	7.3	7.7	7.7	7.7	8.0
15°	8.7	9.1	9.4	9.4	9.8
17.5°	8.0	8.0	8.7	8.7	8.7
20°	9.4	9.4	9.4	9.4	9.4
22.5°	8.4	8.7	9.8	10.1	10.5
25°	9.8	9.4	9.4	9.4	9.4
27.5°	9.8	9.8	10.1	10.1	10.1
30°	9.8	9.1	9.1	9.4	9.8
32.5°	9.8	9.8	9.4	9.4	9.4
35°	9.1	9.8	9.8	9.8	9.8
37.5°	8.7	8.7	9.8	10.1	10.1
40°	8.4	8.7	9.1	10.5	10.5
42.5°	8.0	8.7	9.4	10.1	10.1
45°	7.7	8.4	8.7	9.4	9.4
47.5°	7.0	7.7	8.0	8.4	8.4
50°	6.3	6.3	6.6	6.6	6.3
52.5°	4.5	4.5	4.2	4.2	4.2
55°	2.8	2.4	2.4	2.4	2.1
57.5°	1.4	1.4	1.0	1.0	1.0
60°	0.7	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.0	0.0	0.0
65°	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	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°	0.3	0.0	0.0	0.0	0.0
85°	0.3	0.3	0.3	0.0	0.0
87.5°	0.7	0.3	0.3	0.3	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)