

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: P179311

Luminaire Tested: **UTLD-E03-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179311
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-E03-LED-E-U-SL4-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5502.5 lumens
Efficiency: N/A
Efficacy: 73.2 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): 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

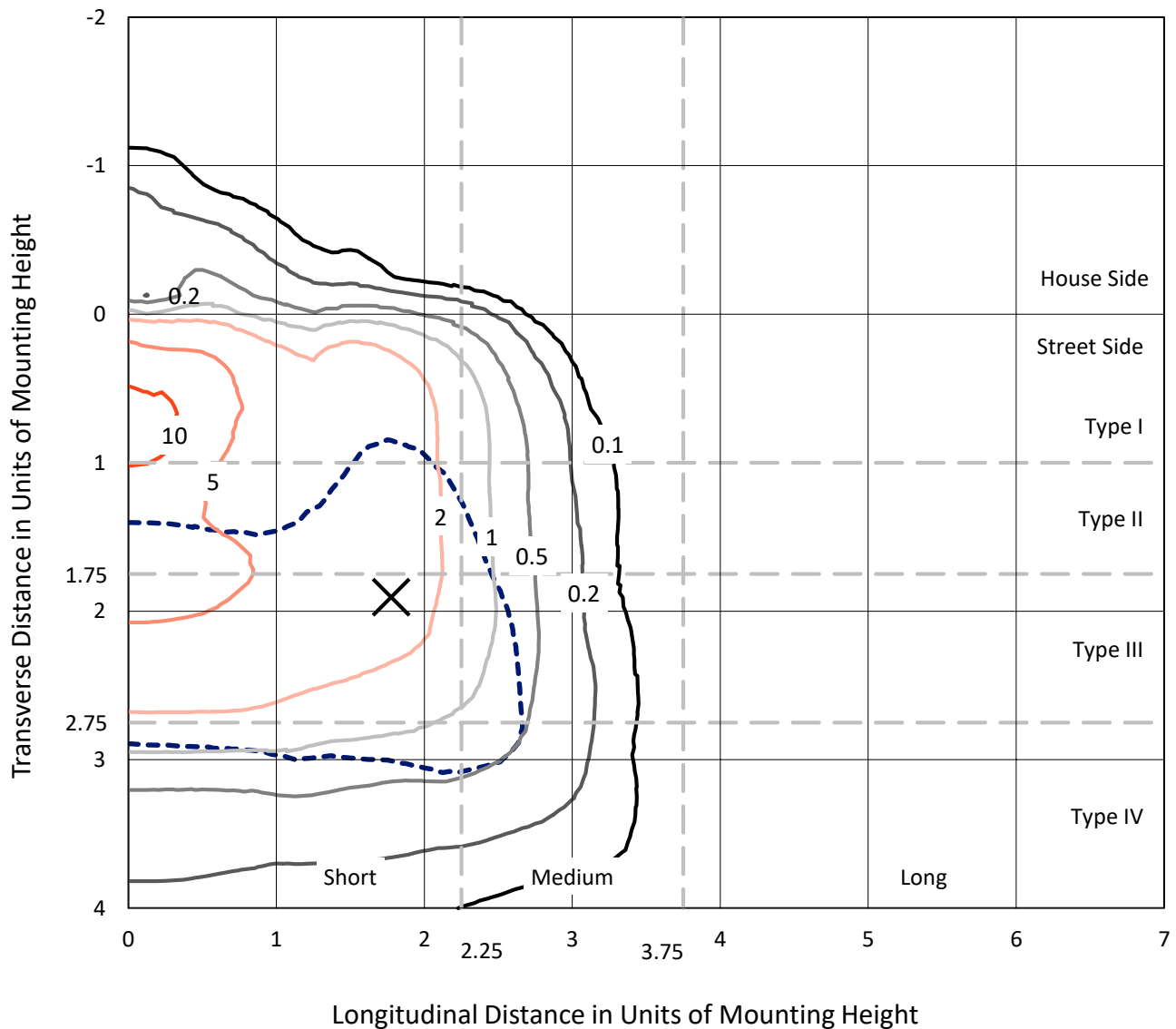


REPORT NUMBER: P179311

CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

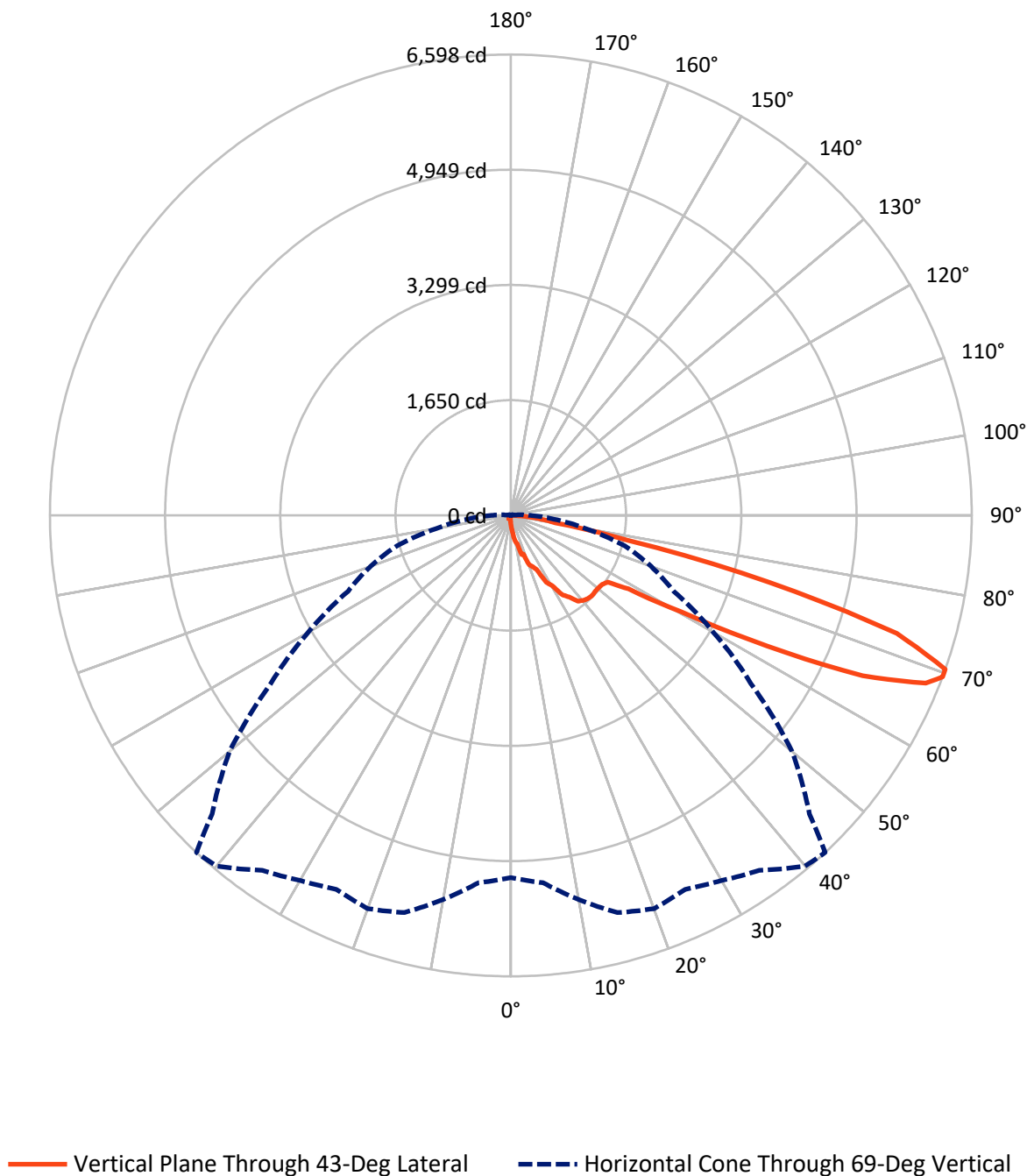


Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179311

CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P179311

CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

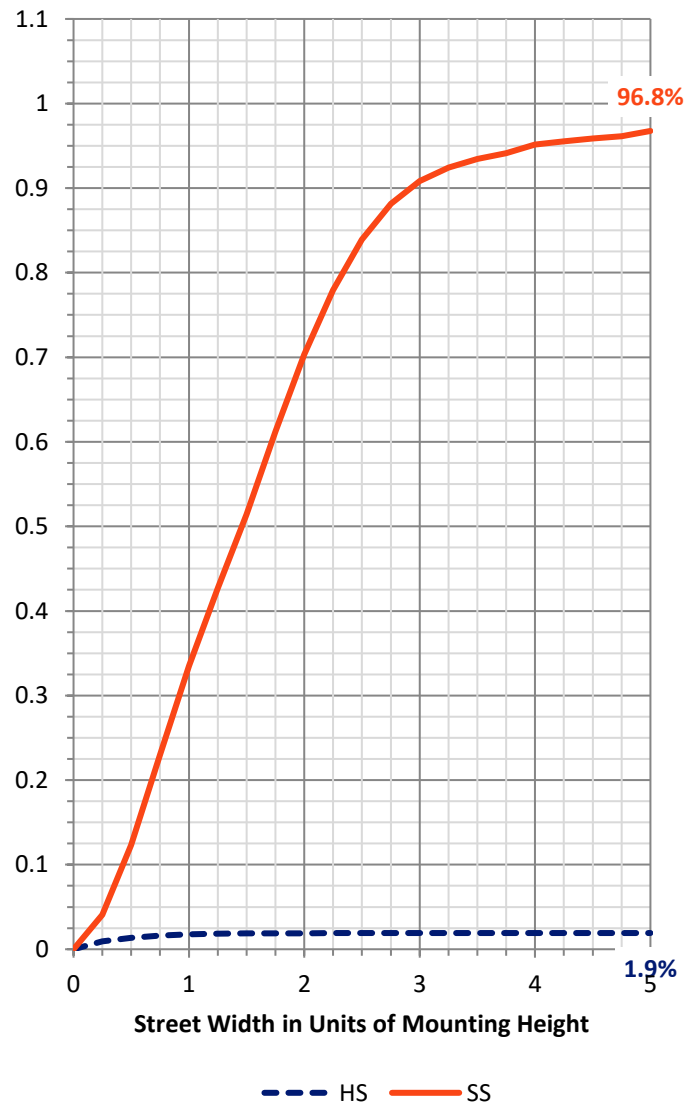
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	106.7	0.0	106.7
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	5395.8	0.0	5395.8
	% Fixture	98.1	0.0	98.1
Total	Lumens	5502.5	0.0	5502.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.3
10°-20°	76.3	1.4
20°-30°	210.9	3.8
30°-40°	441.8	8.0
40°-50°	638.1	11.6
50°-60°	989.9	18.0
60°-70°	2090.1	38.0
70°-80°	929.6	16.9
80°-90°	110.3	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°	5502.5	100.0
0°-180°	5502.5	100.0

Coefficient of Utilization



REPORT NUMBER: P179311

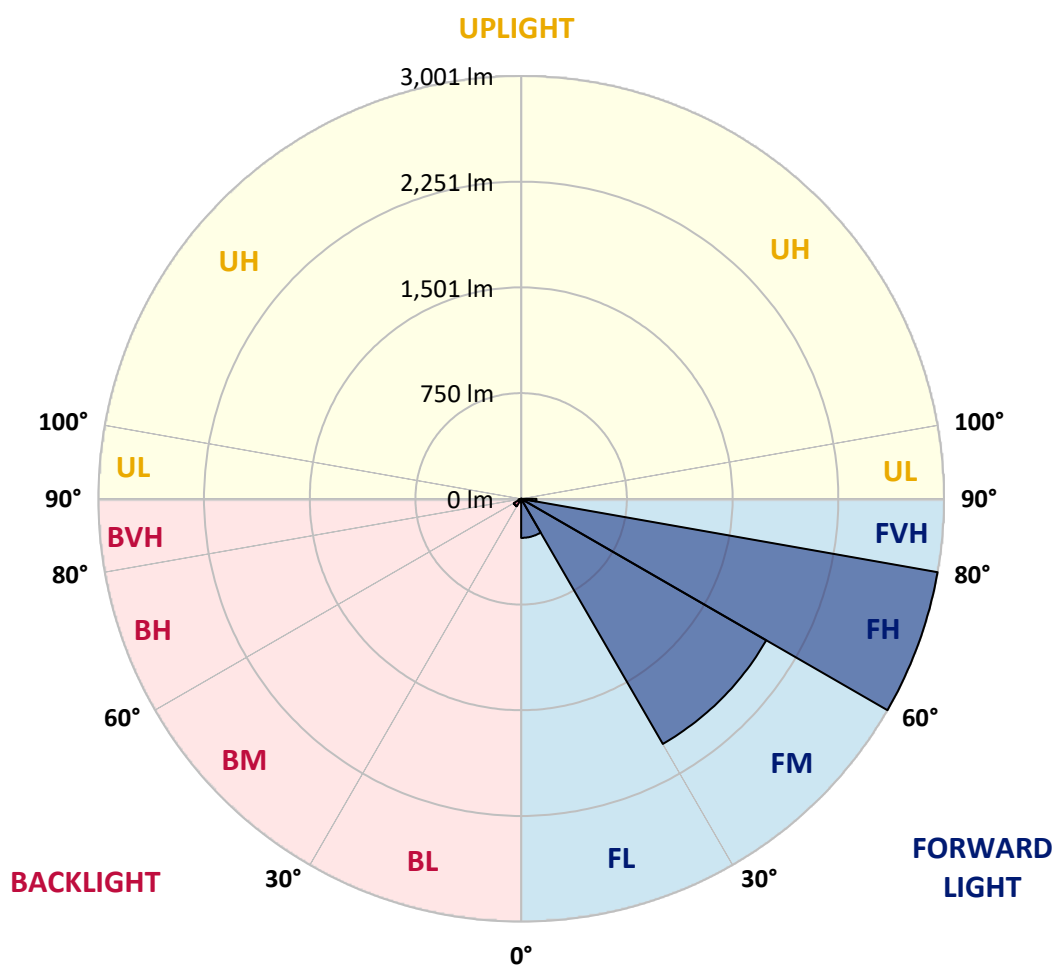
CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.3	5.0			
FM	(30°-60°)	2009.0	36.5			
FH	(60°-80°)	3001.0	54.5			G2/5000
FVH	(80°-90°)	108.5	2.0			G2/225
BL	(0°-30°)	25.3	0.5	B0/110		
BM	(30°-60°)	60.9	1.1	B0/220		
BH	(60°-80°)	18.8	0.3	B0/110		G0/110
BVH	(80°-90°)	1.8	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: P179311

CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	43°	45°
0°	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6
2.5°	203.2	203.2	201.6	200.1	195.5	193.9	189.3	186.2	187.8	186.2	184.7
5°	260.1	255.5	249.3	240.1	237.0	232.4	229.3	221.6	218.6	217.0	213.9
7.5°	431.0	420.2	414.0	412.5	407.9	403.3	390.9	380.2	369.4	329.4	272.4
10°	463.3	464.8	466.4	457.1	460.2	444.8	429.4	420.2	414.0	390.9	377.1
12.5°	609.5	600.3	598.7	604.9	591.0	583.3	566.4	538.7	446.4	415.6	426.3
15°	706.5	718.8	674.2	620.3	608.0	595.7	560.3	566.4	608.0	580.3	549.5
17.5°	760.3	763.4	755.7	749.6	728.0	714.2	738.8	626.4	614.1	581.8	560.3
20°	952.7	955.8	942.0	877.3	797.3	757.3	780.4	737.3	721.9	754.2	641.8
22.5°	1042.0	1045.1	1032.8	1014.3	978.9	986.6	932.7	792.7	803.4	797.3	720.3
25°	1279.0	1286.7	1272.9	1242.1	1212.9	1074.3	1015.8	1015.8	926.6	855.8	814.2
27.5°	1528.4	1499.1	1406.8	1366.8	1345.2	1274.4	1269.8	1111.3	1062.0	1085.1	945.0
30°	1697.7	1702.3	1686.9	1620.7	1579.2	1560.7	1388.3	1302.1	1186.7	1166.7	1029.7
32.5°	2030.1	2031.7	1999.4	1968.6	1776.2	1694.6	1576.1	1465.3	1294.4	1352.9	1177.5
35°	2348.8	2356.5	2270.3	2097.9	2040.9	1887.0	1739.2	1551.5	1437.6	1434.5	1251.3
37.5°	2536.5	2536.5	2471.9	2347.2	2287.2	2074.8	1837.8	1697.7	1493.0	1557.6	1351.4
40°	2775.1	2768.9	2713.5	2567.3	2393.4	2145.6	1956.3	1763.9	1590.0	1599.2	1417.6
42.5°	2870.5	2862.8	2824.4	2676.6	2444.2	2233.3	1985.5	1782.3	1613.0	1625.4	1448.3
45°	2918.2	2910.5	2869.0	2707.4	2464.2	2244.1	1976.3	1771.6	1617.7	1633.0	1465.3
47.5°	2907.5	2896.7	2862.8	2727.4	2524.2	2236.4	1916.3	1748.5	1610.0	1625.4	1471.4
50°	2849.0	2845.9	2815.1	2693.5	2518.1	2205.6	1882.4	1725.4	1608.4	1626.9	1483.7
52.5°	2815.1	2818.2	2789.0	2704.3	2484.2	2194.8	1900.9	1733.1	1617.7	1639.2	1502.2
55°	3258.4	3201.4	3089.1	2912.1	2598.1	2287.2	1988.6	1788.5	1663.8	1685.4	1545.3
57.5°	4728.3	4676.0	4443.5	4014.1	3406.2	2792.0	2327.2	2045.5	1927.0	1985.5	1868.5
60°	5591.8	5531.7	5473.2	5279.3	4771.4	4223.4	3389.2	2930.6	2710.5	2802.8	2687.4
62.5°	5950.4	5945.8	5918.1	5882.7	5530.2	5279.3	4657.5	4214.2	4048.0	4115.7	3871.0
65°	6175.1	6204.3	6210.5	6229.0	5999.6	5808.8	5445.5	5331.6	5551.7	5536.4	5079.2
67.5°	6016.6	6033.5	6135.1	6293.6	6179.7	6002.7	5951.9	6045.8	6329.0	6409.1	5842.6
69°	5185.4	5277.8	5582.5	5885.7	5990.4	5905.7	6033.5	6202.8	6552.2	6598.4	6047.4
70°	4134.2	4300.4	4642.1	5276.2	5527.1	5537.9	5910.4	6176.6	6570.7	6596.8	6059.7
72.5°	1857.8	1888.5	2076.3	2413.4	3370.8	3697.1	4609.8	5439.4	5842.6	5781.1	5263.9
75°	1254.4	1268.3	1257.5	1272.9	1456.0	1751.6	2234.9	3461.6	3946.4	3820.2	3338.4
77.5°	1038.9	1037.4	1017.4	1003.5	1009.7	1052.8	1049.7	1200.5	1663.8	1710.0	1502.2
80°	931.2	922.0	905.0	877.3	848.1	806.5	763.4	680.3	623.4	644.9	569.5
82.5°	504.8	487.9	526.4	563.3	648.0	683.4	628.0	524.9	471.0	441.7	394.0
85°	118.5	113.9	133.9	186.2	318.6	324.8	315.5	260.1	226.3	210.9	190.9
87.5°	30.8	30.8	32.3	32.3	157.0	180.1	146.2	66.2	50.8	44.6	38.5
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: P179311

CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6
2.5°	181.6	180.1	177.0	177.0	173.9	166.2	144.7	124.7	112.4	107.7	103.1
5°	206.2	200.1	192.4	184.7	177.0	172.4	169.3	137.0	106.2	98.5	90.8
7.5°	235.5	221.6	209.3	197.0	186.2	169.3	160.1	152.4	103.1	90.8	83.1
10°	355.5	340.2	238.6	237.0	210.9	192.4	184.7	177.0	123.1	104.7	90.8
12.5°	423.3	401.7	361.7	297.1	220.1	207.8	181.6	163.2	117.0	92.3	84.7
15°	449.4	423.3	381.7	363.2	283.2	246.3	207.8	187.8	129.3	110.8	90.8
17.5°	555.6	541.8	431.0	390.9	340.2	244.7	213.9	166.2	129.3	98.5	86.2
20°	601.8	566.4	486.4	463.3	412.5	335.5	255.5	220.1	158.5	129.3	98.5
22.5°	675.7	666.5	612.6	489.5	432.5	364.8	264.7	230.9	172.4	124.7	93.9
25°	809.6	711.1	640.3	621.8	537.2	447.9	335.5	254.0	186.2	130.8	103.1
27.5°	875.8	823.4	743.4	672.6	552.6	463.3	375.6	277.0	200.1	141.6	106.2
30°	1057.4	878.9	818.8	746.5	617.2	491.0	381.7	289.4	198.6	138.5	107.7
32.5°	1129.7	1009.7	901.9	785.0	694.2	551.0	423.3	294.0	206.2	143.1	118.5
35°	1229.8	1080.5	1000.5	885.0	748.0	598.7	434.0	303.2	195.5	138.5	117.0
37.5°	1314.4	1154.4	1023.5	917.3	769.6	612.6	447.9	312.4	201.6	135.4	112.4
40°	1359.1	1189.8	1040.5	940.4	768.0	620.3	474.1	301.7	195.5	132.4	104.7
42.5°	1396.0	1228.2	1068.2	965.1	798.8	654.1	481.8	317.1	193.9	132.4	97.0
45°	1420.6	1263.6	1129.7	994.3	838.8	691.1	492.5	320.1	197.0	132.4	90.8
47.5°	1434.5	1306.7	1191.3	1037.4	909.6	763.4	555.6	349.4	201.6	127.8	84.7
50°	1453.0	1352.9	1242.1	1092.8	985.1	805.0	603.4	364.8	207.8	120.1	80.0
52.5°	1466.8	1377.5	1276.0	1162.1	1092.8	934.3	721.9	437.1	224.7	115.4	75.4
55°	1533.0	1486.8	1480.7	1513.0	1562.2	1531.5	1240.6	751.1	346.3	135.4	86.2
57.5°	1971.7	2054.8	2205.6	2334.9	2298.0	2224.1	1783.9	1038.9	469.4	147.8	100.0
60°	2870.5	2953.6	3013.7	2952.1	2745.9	2568.9	2011.7	1177.5	523.3	123.1	78.5
62.5°	3841.7	3689.4	3504.7	3227.6	2995.2	2656.6	2117.9	1256.0	537.2	104.7	58.5
65°	4685.2	4205.0	3786.3	3289.2	3002.9	2644.3	2091.7	1223.6	514.1	86.2	47.7
67.5°	5196.2	4377.4	3724.8	3046.0	2628.9	2214.8	1616.1	940.4	394.0	69.3	40.0
69°	5254.7	4195.7	3352.3	2571.9	2137.9	1690.0	1082.0	621.8	275.5	58.5	35.4
70°	5146.9	3944.9	2930.6	2153.3	1705.4	1254.4	788.0	457.1	198.6	52.3	33.9
72.5°	4157.3	2733.5	1680.8	1058.9	748.0	520.2	318.6	186.2	84.7	38.5	29.2
75°	2279.5	1174.4	664.9	440.2	341.7	261.7	180.1	100.0	49.3	32.3	24.6
77.5°	838.8	529.5	380.2	301.7	198.6	113.9	77.0	56.9	40.0	26.2	18.5
80°	503.3	367.9	267.8	143.1	95.4	72.3	55.4	44.6	32.3	20.0	12.3
82.5°	321.7	218.6	115.4	84.7	67.7	53.9	43.1	36.9	23.1	13.9	6.2
85°	147.8	87.7	69.3	60.0	52.3	47.7	44.6	36.9	18.5	7.7	4.6
87.5°	33.9	32.3	38.5	35.4	33.9	32.3	29.2	24.6	9.2	6.2	4.6
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: P179311

CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6	121.6
2.5°	100.0	97.0	93.9	92.3	89.3	89.3	86.2	86.2	84.7	83.1	84.7
5°	84.7	81.6	78.5	75.4	72.3	69.3	70.8	72.3	72.3	73.9	64.6
7.5°	78.5	73.9	67.7	64.6	63.1	30.8	24.6	23.1	21.5	23.1	23.1
10°	80.0	72.3	67.7	27.7	20.0	20.0	20.0	20.0	21.5	26.2	32.3
12.5°	75.4	66.2	35.4	32.3	29.2	27.7	32.3	30.8	30.8	30.8	30.8
15°	84.7	47.7	36.9	32.3	35.4	38.5	38.5	36.9	30.8	30.8	36.9
17.5°	53.9	44.6	41.6	49.3	47.7	40.0	36.9	41.6	43.1	40.0	35.4
20°	70.8	63.1	56.9	49.3	46.2	46.2	50.8	43.1	40.0	41.6	43.1
22.5°	72.3	67.7	70.8	66.2	61.6	49.3	47.7	46.2	47.7	44.6	43.1
25°	90.8	92.3	83.1	67.7	64.6	60.0	55.4	46.2	47.7	43.1	46.2
27.5°	97.0	90.8	83.1	80.0	73.9	60.0	60.0	50.8	47.7	47.7	41.6
30°	101.6	92.3	86.2	78.5	70.8	66.2	58.5	52.3	47.7	46.2	44.6
32.5°	107.7	95.4	83.1	77.0	70.8	61.6	60.0	52.3	47.7	43.1	43.1
35°	100.0	89.3	81.6	75.4	64.6	58.5	55.4	50.8	44.6	43.1	40.0
37.5°	90.8	81.6	75.4	67.7	61.6	53.9	52.3	46.2	43.1	40.0	38.5
40°	83.1	73.9	67.7	61.6	55.4	49.3	46.2	41.6	36.9	35.4	35.4
42.5°	78.5	67.7	60.0	55.4	49.3	44.6	41.6	36.9	33.9	32.3	32.3
45°	72.3	61.6	53.9	47.7	43.1	40.0	36.9	32.3	29.2	29.2	29.2
47.5°	69.3	56.9	49.3	43.1	38.5	35.4	32.3	27.7	24.6	26.2	26.2
50°	64.6	52.3	43.1	40.0	35.4	32.3	29.2	24.6	23.1	23.1	23.1
52.5°	60.0	46.2	38.5	35.4	32.3	29.2	24.6	20.0	18.5	20.0	18.5
55°	60.0	41.6	33.9	30.8	27.7	24.6	20.0	16.9	15.4	13.9	12.3
57.5°	70.8	41.6	29.2	27.7	24.6	20.0	15.4	12.3	10.8	7.7	6.2
60°	61.6	41.6	26.2	24.6	21.5	16.9	12.3	9.2	6.2	4.6	3.1
62.5°	43.1	32.3	23.1	21.5	16.9	12.3	7.7	4.6	3.1	1.5	1.5
65°	36.9	26.2	21.5	18.5	13.9	9.2	4.6	3.1	1.5	1.5	1.5
67.5°	32.3	24.6	18.5	15.4	12.3	6.2	3.1	1.5	1.5	1.5	1.5
69°	29.2	23.1	18.5	13.9	10.8	4.6	3.1	1.5	1.5	1.5	1.5
70°	27.7	21.5	16.9	13.9	9.2	4.6	1.5	1.5	1.5	1.5	1.5
72.5°	23.1	16.9	13.9	12.3	7.7	3.1	1.5	1.5	1.5	1.5	1.5
75°	16.9	13.9	9.2	9.2	6.2	3.1	1.5	1.5	1.5	1.5	0.0
77.5°	12.3	9.2	6.2	6.2	4.6	3.1	1.5	1.5	1.5	1.5	0.0
80°	7.7	6.2	4.6	4.6	3.1	3.1	0.0	1.5	1.5	1.5	1.5
82.5°	4.6	4.6	4.6	3.1	3.1	3.1	1.5	3.1	1.5	1.5	1.5
85°	4.6	4.6	4.6	3.1	3.1	3.1	1.5	3.1	3.1	3.1	1.5
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	1.5	4.6	4.6	3.1	3.1
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: P179311

CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	121.6	121.6	121.6	121.6	121.6
2.5°	84.7	84.7	86.2	87.7	87.7
5°	49.3	33.9	35.4	35.4	35.4
7.5°	23.1	23.1	24.6	24.6	24.6
10°	35.4	35.4	35.4	35.4	36.9
12.5°	32.3	33.9	33.9	33.9	35.4
15°	38.5	40.0	41.6	41.6	43.1
17.5°	35.4	35.4	38.5	38.5	38.5
20°	41.6	41.6	41.6	41.6	41.6
22.5°	36.9	38.5	43.1	44.6	46.2
25°	43.1	41.6	41.6	41.6	41.6
27.5°	43.1	43.1	44.6	44.6	44.6
30°	43.1	40.0	40.0	41.6	43.1
32.5°	43.1	43.1	41.6	41.6	41.6
35°	40.0	43.1	43.1	43.1	43.1
37.5°	38.5	38.5	43.1	44.6	44.6
40°	36.9	38.5	40.0	46.2	46.2
42.5°	35.4	38.5	41.6	44.6	44.6
45°	33.9	36.9	38.5	41.6	41.6
47.5°	30.8	33.9	35.4	36.9	36.9
50°	27.7	27.7	29.2	29.2	27.7
52.5°	20.0	20.0	18.5	18.5	18.5
55°	12.3	10.8	10.8	10.8	9.2
57.5°	6.2	6.2	4.6	4.6	4.6
60°	3.1	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	0.0	0.0	0.0
65°	1.5	1.5	0.0	0.0	0.0
67.5°	1.5	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°	1.5	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	0.0	0.0
87.5°	3.1	1.5	1.5	1.5	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)