

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: P157006

Luminaire Tested: **UTLD-F01-LED-E-U-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157006
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33667)
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-RW-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2223.9 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B1 - 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

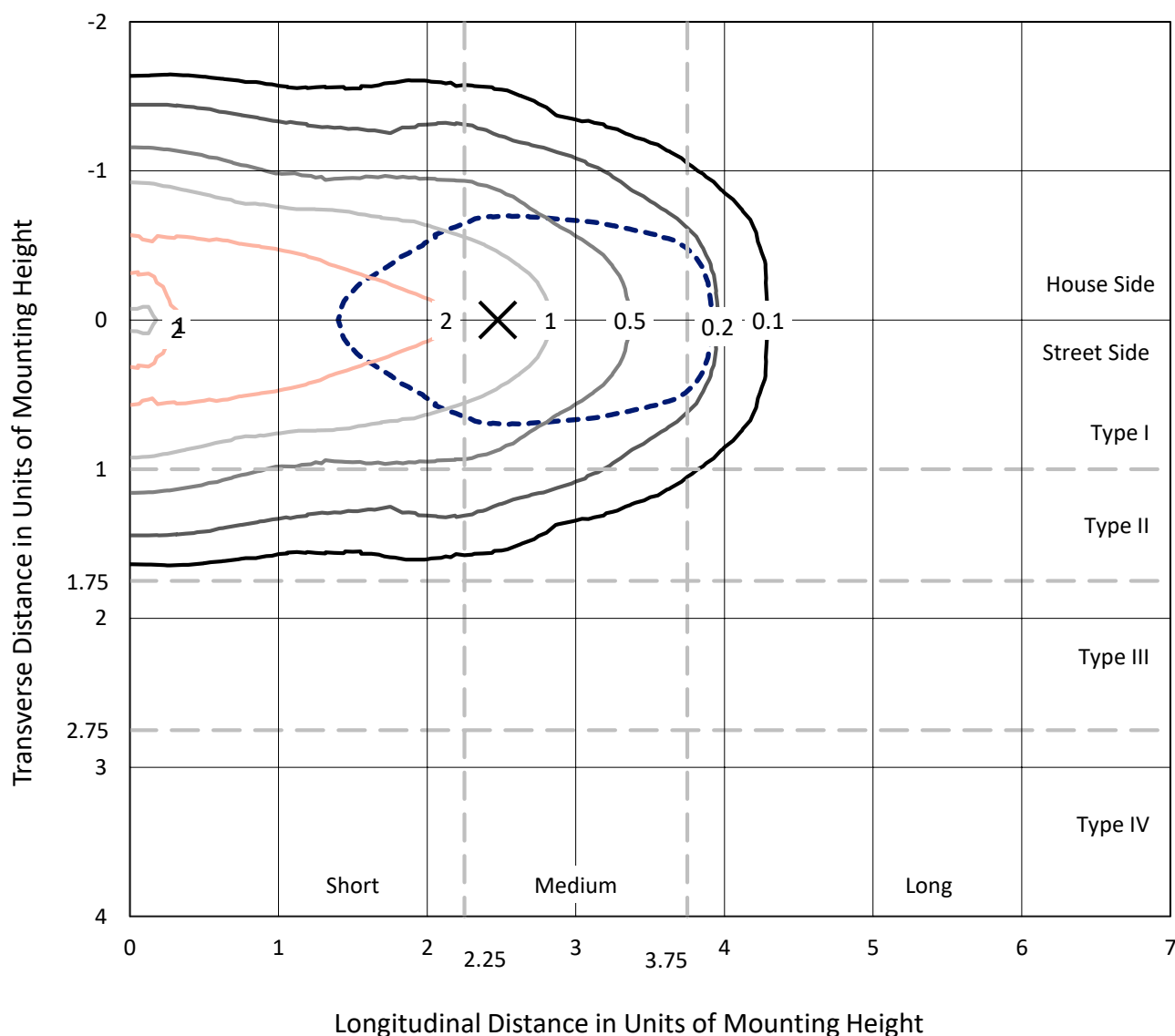


REPORT NUMBER: P157006

CATALOG NUMBER: UTLD-F01-LED-E-U-RW-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

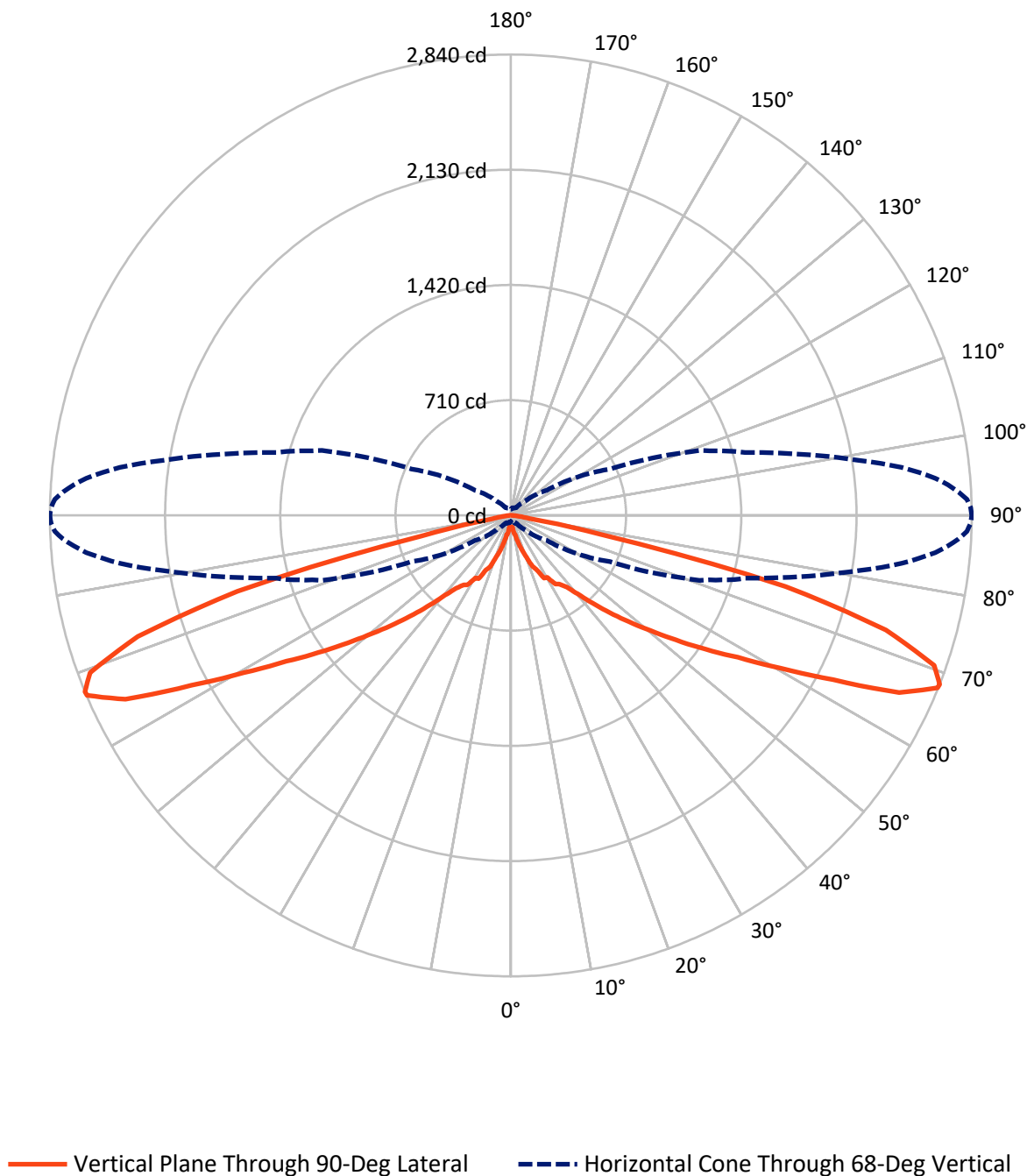


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Medium - Full Cutoff

REPORT NUMBER: P157006

CATALOG NUMBER: UTLD-F01-LED-E-U-RW-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P157006

CATALOG NUMBER: UTLD-F01-LED-E-U-RW-7050

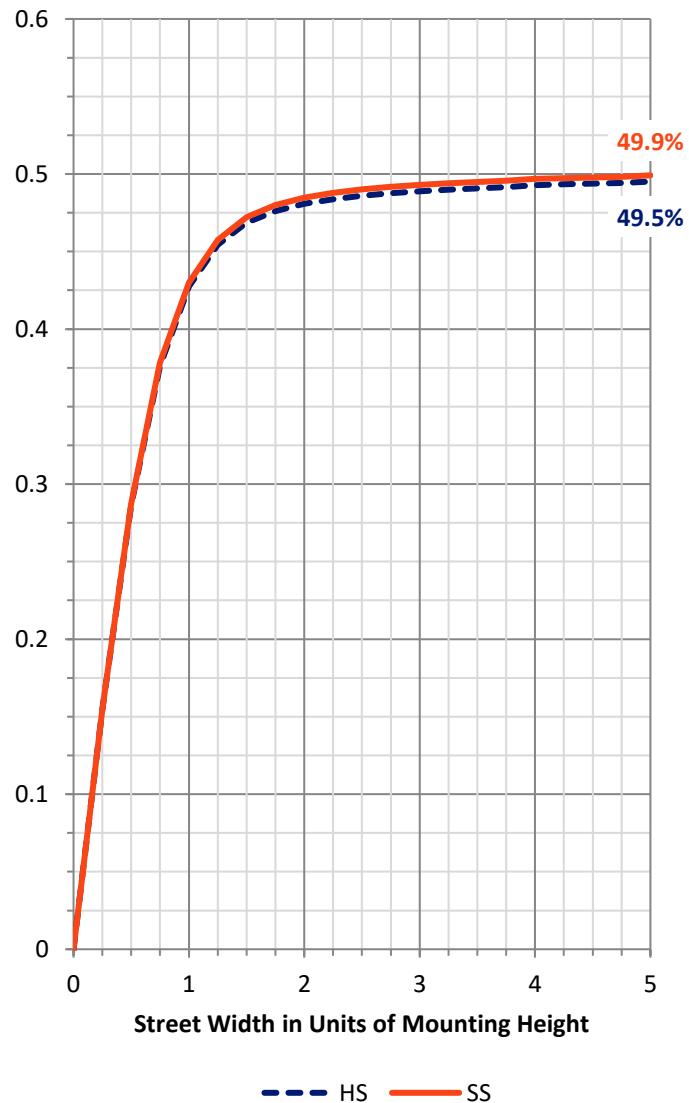
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1112.0	0.0	1112.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1112.0	0.0	1112.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2223.9	0.0	2223.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.4
10°-20°	58.2	2.6
20°-30°	159.2	7.2
30°-40°	262.0	11.8
40°-50°	351.9	15.8
50°-60°	442.0	19.9
60°-70°	568.0	25.5
70°-80°	333.0	15.0
80°-90°	39.8	1.8
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°	2223.9	100.0
0°-180°	2223.9	100.0

Coefficient of Utilization



REPORT NUMBER: P157006

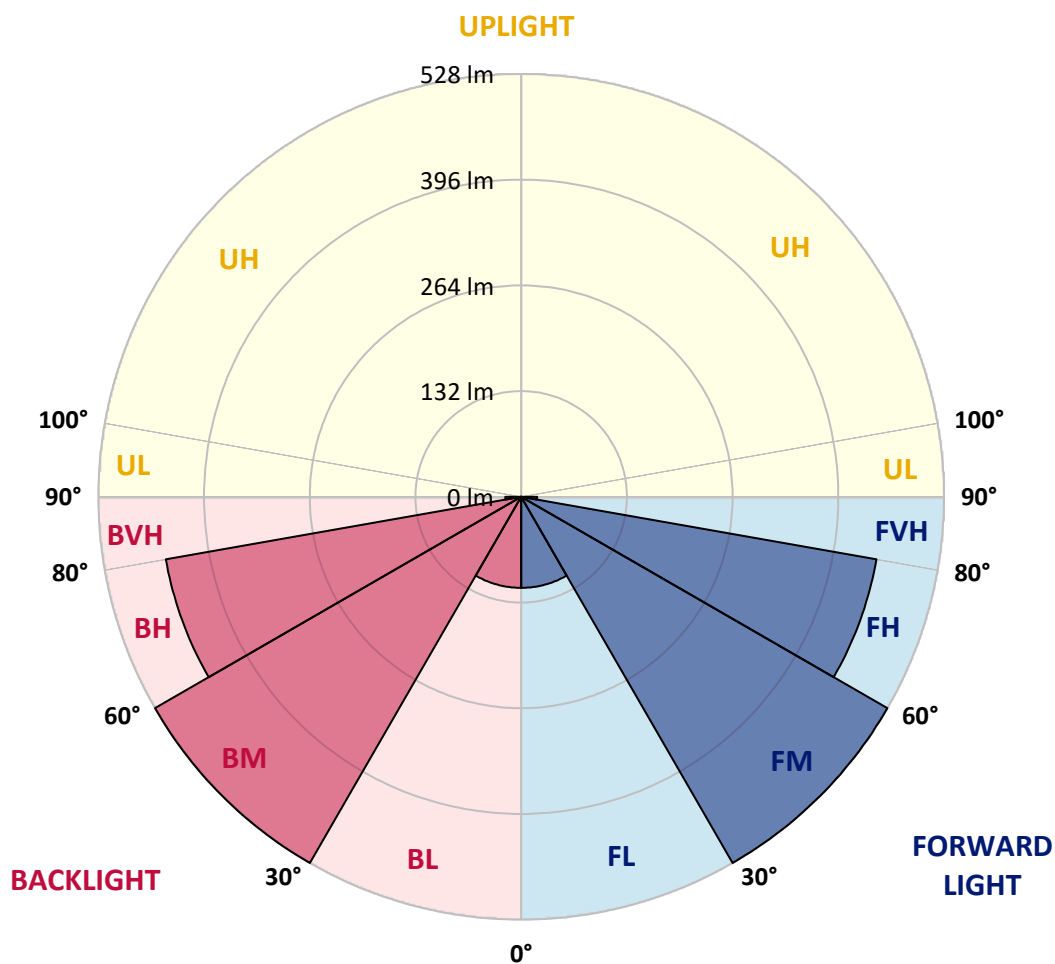
CATALOG NUMBER: UTLD-F01-LED-E-U-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.6	5.1			
FM	(30°-60°)	527.9	23.7			
FH	(60°-80°)	450.5	20.3			G0/660
FVH	(80°-90°)	19.9	0.9			G1/100
BL	(0°-30°)	113.6	5.1	B1/500		
BM	(30°-60°)	527.9	23.7	B1/1000		
BH	(60°-80°)	450.5	20.3	B1/500		G0/660
BVH	(80°-90°)	19.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Medium





REPORT NUMBER: P157006

CATALOG NUMBER: UTLD-F01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2.5°	93.2	94.4	90.0	93.2	94.4	95.8	96.1	89.6	88.5	87.5	86.4
5°	86.8	89.0	87.0	87.6	90.2	108.0	105.6	91.7	92.0	92.3	92.6
7.5°	128.6	130.9	124.1	114.2	111.6	92.1	85.8	103.6	101.1	98.7	96.3
10°	143.4	139.4	139.4	138.9	136.0	116.5	121.6	127.9	132.3	136.7	141.1
12.5°	187.4	187.8	181.5	164.3	156.5	180.0	165.6	138.9	138.1	137.2	136.4
15°	212.0	209.6	192.8	190.6	227.2	205.6	189.1	211.2	207.3	203.4	199.6
17.5°	238.0	238.8	237.2	218.0	237.4	234.0	243.3	231.2	227.6	223.9	220.2
20°	257.8	258.4	256.9	270.8	270.6	276.4	258.4	282.9	287.0	291.0	295.1
22.5°	273.2	274.6	274.2	291.4	308.4	298.2	337.2	332.7	331.4	330.2	328.9
25°	298.0	298.2	285.6	300.5	328.0	346.4	366.2	397.5	401.0	404.4	407.9
27.5°	304.1	305.4	292.7	318.5	330.2	380.1	443.6	434.6	431.3	428.1	424.9
30°	302.0	304.8	312.4	325.3	354.3	399.6	446.6	480.3	478.0	475.7	473.4
32.5°	309.0	311.1	303.7	318.3	354.2	409.8	478.2	494.7	500.1	505.5	510.8
35°	299.2	301.4	298.4	312.6	346.5	395.8	474.4	547.6	546.0	544.2	542.6
37.5°	293.8	293.5	292.6	306.8	340.5	392.0	494.6	561.0	563.3	565.6	567.9
40°	279.5	281.4	281.0	294.0	325.3	386.3	487.7	579.2	587.4	595.7	604.0
42.5°	250.3	251.8	256.5	274.4	307.7	373.0	482.0	605.2	615.8	626.4	637.0
45°	223.2	223.4	229.8	247.6	281.9	354.3	482.6	637.2	648.5	659.7	671.0
47.5°	195.7	196.6	203.5	221.6	252.2	328.8	480.1	667.1	681.8	696.4	711.1
50°	168.6	170.3	179.0	197.2	225.4	296.6	468.0	700.6	718.8	737.0	755.3
52.5°	140.4	142.0	152.2	172.6	201.6	266.8	440.9	731.9	755.9	779.8	803.8
55°	109.2	112.2	124.1	144.0	177.2	240.6	398.5	760.2	790.8	821.3	851.9
57.5°	80.0	81.8	93.6	114.4	150.6	216.4	352.4	767.2	805.9	844.6	883.3
60°	57.2	59.1	69.9	85.9	120.1	192.1	314.4	748.8	798.4	848.0	897.6
62.5°	47.0	48.5	58.0	66.0	91.9	165.8	288.2	722.6	787.6	852.8	917.8
65°	42.6	43.6	53.2	56.2	70.8	141.2	275.8	714.6	795.9	877.2	958.5
67.5°	39.0	40.7	49.4	50.8	60.2	127.6	271.4	693.6	783.3	873.1	962.9
68°	38.3	40.0	48.5	50.0	59.1	126.0	268.8	675.4	765.4	855.5	945.6
70°	36.2	37.7	45.3	46.8	57.6	117.8	238.6	572.2	656.2	740.3	824.3
72.5°	33.7	34.5	41.5	43.2	51.9	85.8	173.8	384.8	455.4	526.1	596.8
75°	29.4	30.9	37.5	39.8	40.0	51.6	109.9	225.5	272.4	319.4	366.3
77.5°	25.4	26.9	32.6	39.6	33.0	36.0	70.5	134.0	155.2	176.4	197.6
80°	22.0	23.7	29.0	40.7	28.6	29.8	55.5	109.4	119.7	130.0	140.2
82.5°	17.0	18.8	25.4	36.8	23.7	24.2	44.9	104.2	111.9	119.6	127.3
85°	11.0	12.3	20.1	28.2	18.5	15.2	31.8	85.3	91.0	96.7	102.3
87.5°	5.3	8.0	14.0	14.6	11.2	8.2	17.5	51.9	56.2	60.4	64.7
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: P157006

CATALOG NUMBER: UTLD-F01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2.5°	85.3	84.2	83.8	82.2	80.6	79.6	78.6	77.5	76.2	75.2	75.2
5°	92.9	93.2	94.4	94.4	94.4	93.8	92.6	91.3	90.6	87.9	84.9
7.5°	93.9	91.4	86.6	85.9	87.6	90.0	90.6	91.5	92.1	91.7	91.3
10°	145.5	149.9	150.4	148.9	147.8	143.6	140.0	133.0	133.6	137.2	138.5
12.5°	135.5	134.7	137.4	145.0	153.3	154.4	155.2	154.2	150.8	144.8	139.0
15°	195.8	191.9	191.9	191.4	190.2	188.2	191.4	198.4	201.0	200.5	199.9
17.5°	216.5	212.8	210.3	201.6	196.1	194.2	192.7	193.8	195.7	203.7	209.4
20°	299.2	303.2	308.2	304.5	302.4	296.7	289.2	287.2	285.4	287.4	289.2
22.5°	327.6	326.4	328.7	316.8	339.0	334.6	338.6	346.2	341.6	338.2	335.0
25°	411.4	414.8	411.2	410.0	403.2	398.2	401.3	400.0	390.1	384.4	385.6
27.5°	421.7	418.4	413.4	411.0	410.0	418.0	425.6	414.0	437.1	431.4	440.7
30°	471.1	468.8	461.7	460.0	465.7	462.3	454.2	454.9	456.4	456.2	451.5
32.5°	516.2	521.6	517.2	529.2	524.6	514.8	516.1	522.4	520.8	513.5	510.8
35°	540.8	539.2	548.9	549.8	539.6	539.0	543.8	543.2	537.4	538.5	538.8
37.5°	570.3	572.6	582.0	572.4	573.5	579.2	579.8	573.6	574.3	576.9	579.4
40°	612.2	620.4	614.0	612.9	621.8	631.5	625.6	626.0	631.0	637.4	631.7
42.5°	647.6	658.2	655.8	667.0	680.6	686.2	690.0	700.3	711.4	707.5	721.0
45°	682.3	693.6	703.9	725.3	739.3	743.7	765.2	781.2	786.7	796.0	813.6
47.5°	725.7	740.4	762.3	785.2	793.5	816.6	841.8	856.8	867.2	895.6	903.8
50°	773.6	791.8	820.8	840.1	856.2	885.4	914.6	928.4	962.0	982.0	998.7
52.5°	827.8	851.8	880.6	893.2	921.0	960.8	979.0	1003.8	1041.2	1065.8	1105.9
55°	882.4	913.0	932.8	955.5	988.2	1023.2	1040.8	1087.8	1115.2	1156.2	1210.2
57.5°	921.9	960.6	976.2	1013.5	1051.6	1071.8	1110.7	1153.3	1186.6	1253.6	1308.5
60°	947.2	996.8	1028.8	1072.0	1108.8	1134.9	1188.4	1228.4	1287.4	1363.2	1428.6
62.5°	983.0	1048.1	1106.1	1164.3	1185.6	1239.0	1293.4	1341.6	1435.8	1519.4	1603.1
65°	1039.8	1121.1	1204.8	1267.4	1310.0	1380.7	1438.1	1516.9	1622.8	1728.7	1825.0
67.5°	1052.7	1142.5	1244.6	1301.3	1371.0	1444.2	1503.4	1608.4	1713.8	1825.6	1940.4
68°	1035.7	1125.8	1229.7	1287.2	1360.2	1433.7	1494.8	1598.8	1704.4	1815.5	1932.6
70°	908.3	992.4	1088.5	1158.4	1242.8	1300.7	1380.3	1477.5	1577.0	1693.3	1811.9
72.5°	667.5	738.2	830.0	898.6	988.8	1037.9	1117.0	1200.8	1299.2	1414.0	1532.2
75°	413.2	460.2	532.8	594.4	657.8	704.8	774.2	850.4	925.0	1016.1	1119.6
77.5°	218.8	240.0	282.7	313.2	346.0	368.0	390.5	435.2	455.7	480.3	513.2
80°	150.5	160.8	175.4	183.6	179.8	164.6	143.6	136.4	129.8	121.0	112.6
82.5°	135.0	142.8	152.2	160.1	160.5	146.1	119.8	100.6	87.0	73.9	63.8
85°	108.0	113.7	119.9	126.2	132.4	123.2	104.2	81.8	63.2	50.6	43.4
87.5°	69.0	73.2	77.3	84.7	87.9	85.4	75.8	60.2	44.7	34.3	28.6
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: P157006

CATALOG NUMBER: UTLD-F01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2.5°	73.0	73.0	72.6	72.2	71.6	71.2	70.9	71.2	71.0	70.7	70.7
5°	82.6	79.8	77.3	75.8	74.1	73.3	74.2	72.4	71.8	71.4	71.6
7.5°	91.3	90.8	90.0	86.2	80.4	75.4	73.0	72.2	72.2	72.0	72.0
10°	139.0	137.6	135.5	133.2	131.3	125.6	118.8	116.2	114.6	114.4	113.9
12.5°	140.0	142.6	143.4	143.4	141.4	140.4	133.8	126.6	122.6	122.4	122.0
15°	194.8	186.2	188.0	191.0	190.6	190.4	190.8	182.1	176.4	175.6	175.3
17.5°	208.4	212.4	202.2	224.0	212.6	225.1	219.2	231.2	222.0	226.0	227.0
20°	295.0	294.0	292.4	288.2	287.6	291.2	295.0	291.8	282.7	277.8	274.9
22.5°	337.1	343.9	346.9	345.8	341.8	339.9	339.2	336.9	335.6	337.8	339.7
25°	388.0	385.0	388.4	388.2	384.6	381.8	386.2	389.0	388.6	377.8	370.2
27.5°	439.4	433.7	432.6	433.0	436.9	436.0	437.0	434.8	430.7	433.4	437.1
30°	446.8	444.5	447.7	444.1	445.4	443.4	440.3	438.0	447.6	446.2	442.6
32.5°	509.8	512.0	505.0	503.4	503.2	496.8	497.2	502.1	499.8	503.0	503.6
35°	539.6	533.2	531.3	527.3	521.2	526.8	524.8	524.2	523.7	523.2	520.5
37.5°	574.1	578.8	573.2	566.9	573.7	570.3	568.0	567.4	566.2	562.4	561.6
40°	636.6	641.6	637.2	645.5	644.0	645.9	641.7	640.0	635.7	637.8	636.2
42.5°	722.8	724.2	737.2	746.0	745.7	745.7	743.1	742.9	734.4	735.2	739.1
45°	816.6	834.4	845.6	856.2	860.0	861.3	856.6	861.2	854.7	847.0	854.3
47.5°	921.8	945.8	960.8	971.6	976.9	976.0	980.5	978.4	975.2	980.5	978.8
50°	1037.8	1058.8	1081.1	1090.2	1093.2	1100.4	1108.4	1115.0	1118.0	1112.0	1116.0
52.5°	1142.8	1175.7	1201.6	1215.2	1228.2	1238.2	1252.2	1265.1	1270.0	1274.4	1274.8
55°	1255.8	1299.4	1328.8	1352.4	1374.1	1393.0	1414.2	1431.0	1444.5	1454.0	1455.3
57.5°	1363.2	1411.8	1450.1	1495.1	1521.8	1558.2	1585.7	1612.8	1638.2	1644.2	1648.8
60°	1498.3	1558.2	1620.7	1665.2	1718.3	1775.2	1812.5	1850.8	1865.8	1894.0	1909.7
62.5°	1684.2	1754.1	1842.0	1909.4	1983.0	2053.8	2117.2	2164.7	2187.6	2218.2	2229.5
65°	1929.0	2039.0	2130.2	2237.8	2329.7	2415.4	2491.0	2557.8	2590.0	2626.1	2630.2
67.5°	2055.0	2174.4	2302.4	2425.0	2524.1	2623.6	2696.6	2760.0	2810.2	2829.5	2836.4
68°	2050.2	2170.2	2303.6	2426.9	2528.6	2625.8	2699.4	2763.4	2811.9	2833.0	2839.8
70°	1946.6	2062.2	2216.2	2335.4	2440.8	2545.9	2616.0	2679.8	2721.4	2745.4	2767.4
72.5°	1651.0	1787.6	1922.2	2034.2	2147.6	2234.1	2287.5	2358.2	2378.8	2407.4	2416.3
75°	1215.6	1333.7	1428.6	1498.4	1579.8	1639.3	1686.3	1686.3	1713.4	1718.0	1748.4
77.5°	560.6	568.2	583.4	572.4	582.2	598.4	578.6	555.9	570.5	531.8	566.3
80°	116.0	109.2	112.6	108.8	109.7	111.4	114.6	112.9	112.6	111.0	113.1
82.5°	58.0	57.4	57.6	57.8	57.8	57.8	58.0	58.0	58.4	57.6	57.6
85°	39.2	37.5	37.7	36.8	36.4	36.2	35.0	33.6	34.4	33.8	32.2
87.5°	25.4	23.5	22.7	21.6	20.6	19.7	18.6	17.4	15.8	15.4	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)