

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: P157053

Luminaire Tested: **UTLD-F03-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157053
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33668)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-SL2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5530.2 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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



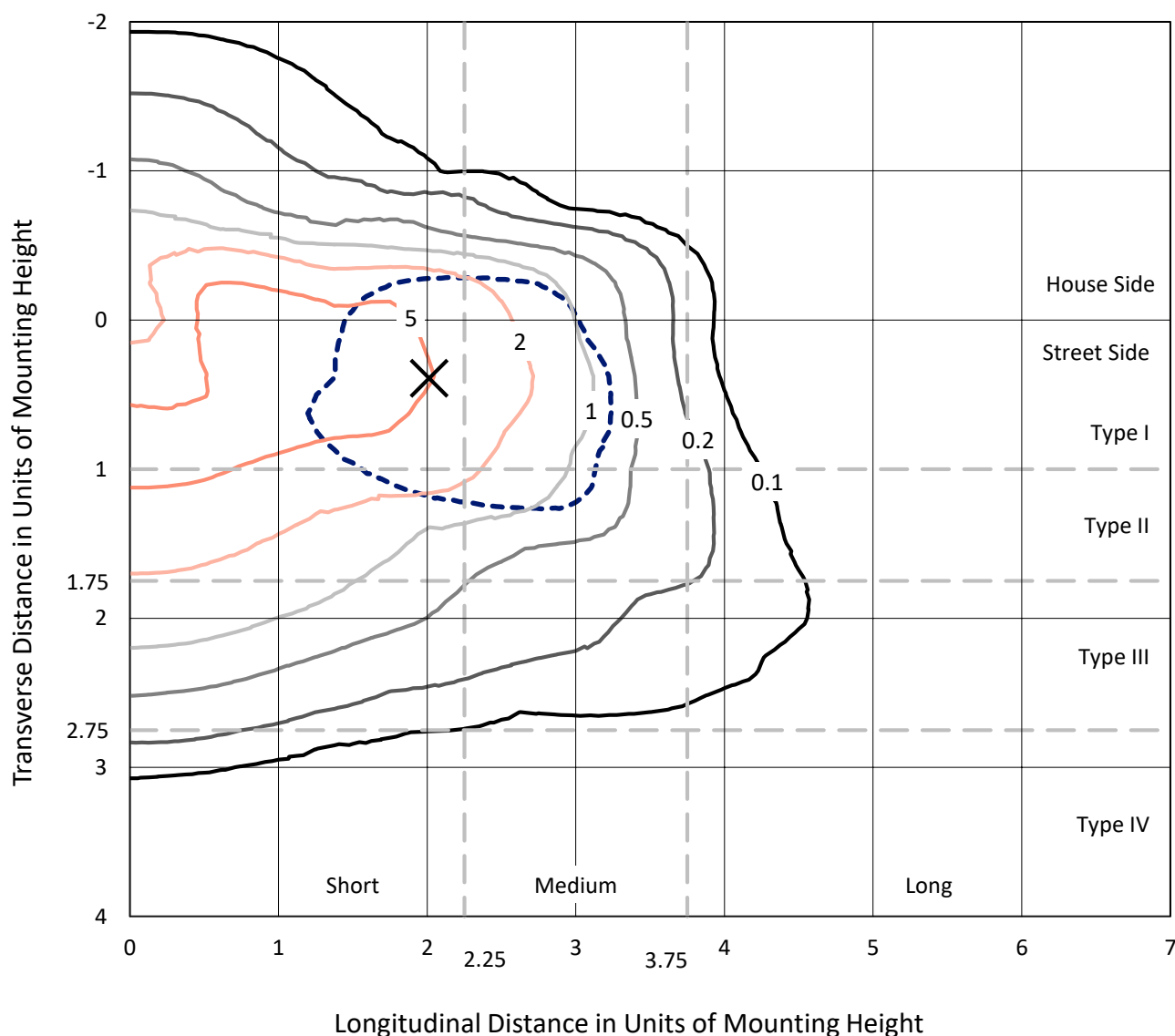
REPORT NUMBER: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

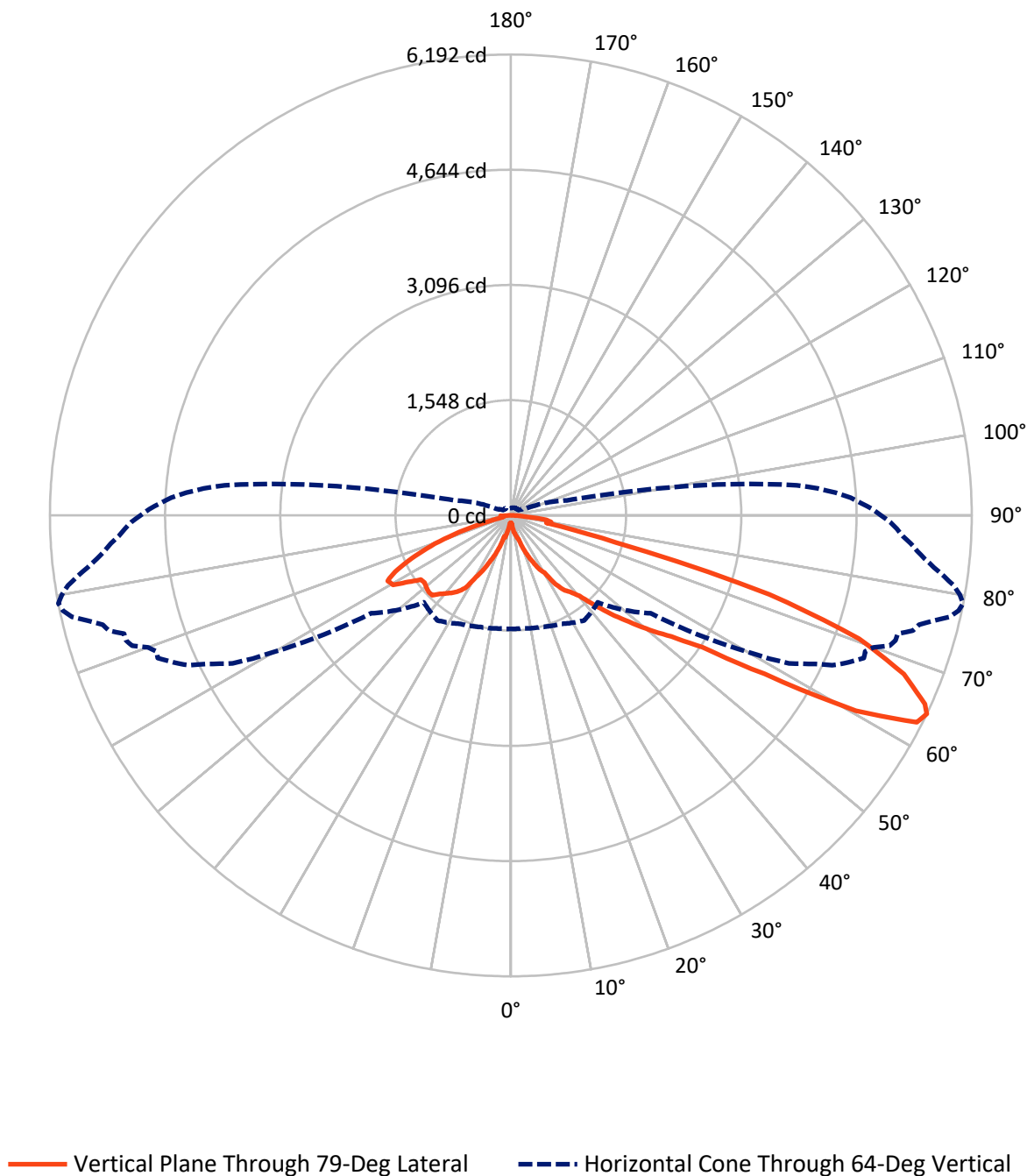


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

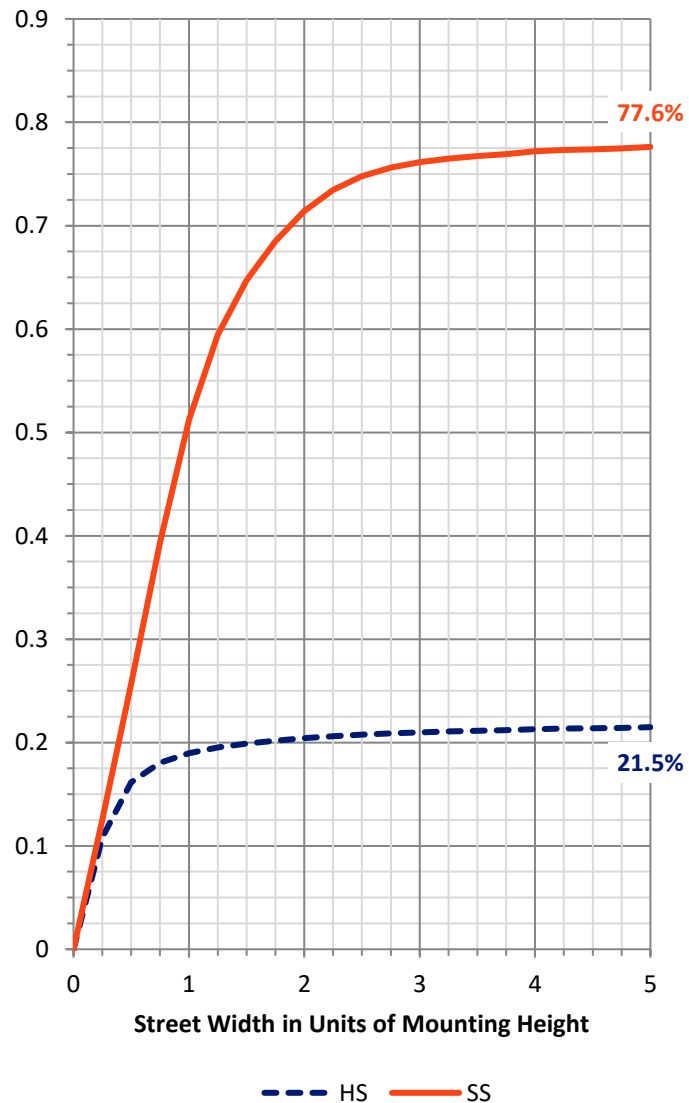
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1214.9	0.0	1214.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4315.3	0.0	4315.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	5530.2	0.0	5530.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.3
10°-20°	80.8	1.5
20°-30°	236.5	4.3
30°-40°	516.8	9.3
40°-50°	939.9	17.0
50°-60°	1312.5	23.7
60°-70°	1650.4	29.8
70°-80°	639.9	11.6
80°-90°	139.7	2.5
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°	5530.2	100.0
0°-180°	5530.2	100.0

Coefficient of Utilization



REPORT NUMBER: P157053

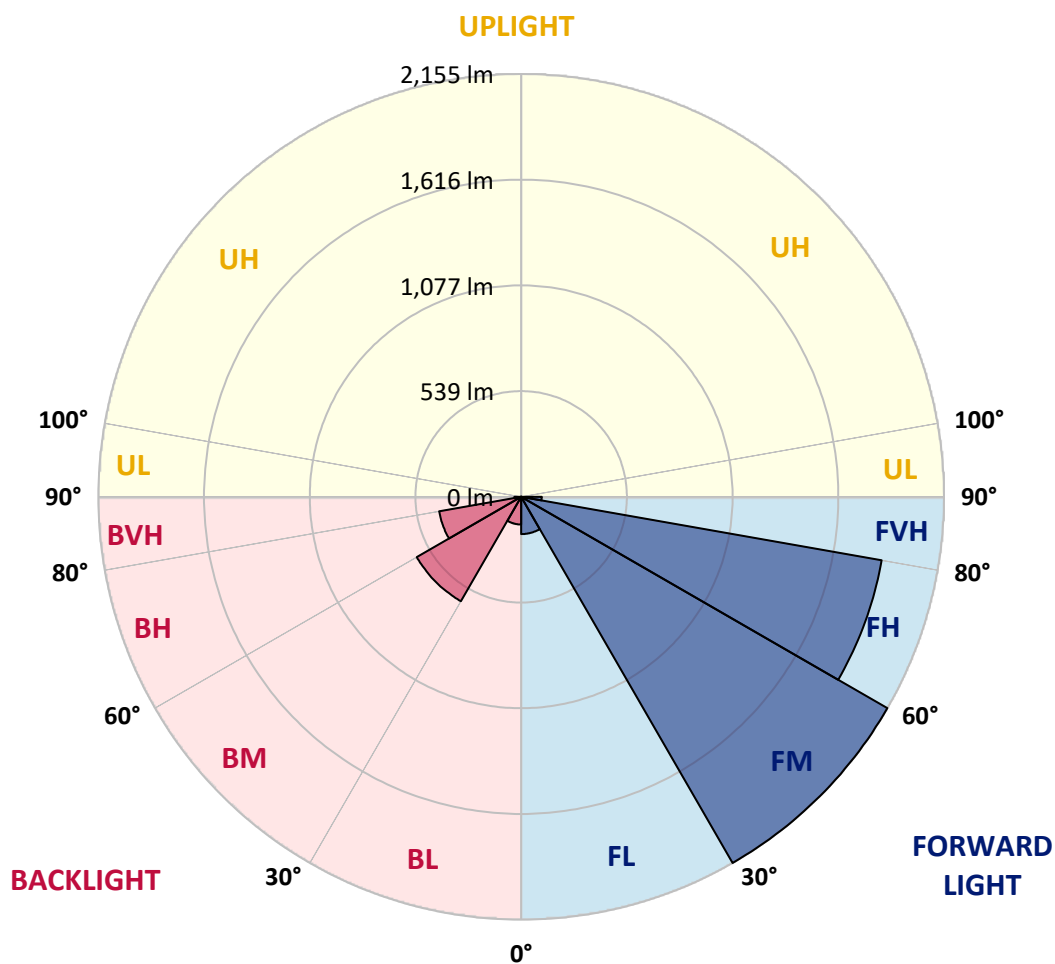
CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.0	3.4			
FM	(30°-60°)	2155.0	39.0			
FH	(60°-80°)	1865.5	33.7			G2/5000
FVH	(80°-90°)	104.8	1.9			G2/225
BL	(0°-30°)	141.1	2.6	B1/500		
BM	(30°-60°)	614.2	11.1	B1/1000		
BH	(60°-80°)	424.7	7.7	B1/500		G1/500
BVH	(80°-90°)	34.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	162.0	160.9	163.0	163.0	163.0	160.9	144.2	123.3	122.3	119.1	116.0
5°	133.8	133.8	133.8	134.8	135.9	138.0	146.3	156.8	162.0	163.0	164.1
7.5°	195.4	197.5	197.5	197.5	164.1	141.1	140.0	142.1	140.0	138.0	134.8
10°	200.7	201.7	201.7	203.8	204.8	201.7	172.4	195.4	195.4	196.5	197.5
12.5°	274.9	277.0	275.9	266.5	217.4	266.5	279.0	261.3	243.5	224.7	213.2
15°	291.6	295.8	287.4	279.0	332.3	312.5	294.7	339.7	339.7	342.8	352.2
17.5°	376.2	377.3	371.0	360.6	344.9	353.2	360.6	359.5	365.8	371.0	367.9
20°	451.5	442.1	388.8	417.0	411.8	408.6	409.7	446.3	449.4	451.5	460.9
22.5°	476.6	476.6	454.6	477.6	455.7	460.9	502.7	551.8	549.7	541.4	528.8
25°	581.1	583.2	533.0	494.3	504.8	517.3	542.4	617.7	608.3	618.7	623.9
27.5°	628.1	632.3	587.3	576.9	525.7	582.1	671.0	691.9	699.2	711.7	711.7
30°	754.6	756.7	727.4	644.8	627.1	634.4	725.3	755.6	766.1	779.6	830.9
32.5°	945.8	946.9	876.8	739.9	705.4	732.6	840.3	874.8	894.6	875.8	897.7
35°	1251.0	1241.6	1110.9	1000.2	914.5	846.5	953.1	1074.4	1061.8	1065.0	1075.4
37.5°	1453.7	1466.3	1425.5	1299.1	1239.5	1145.4	1209.2	1224.9	1200.8	1219.6	1225.9
40°	1614.7	1632.5	1615.7	1553.0	1495.5	1453.7	1531.1	1476.7	1442.2	1445.4	1421.3
42.5°	1675.3	1695.2	1711.9	1748.5	1733.8	1778.8	1886.4	1808.0	1801.8	1771.5	1712.9
45°	1717.1	1735.9	1790.3	1863.4	1886.4	2004.5	2190.5	2159.2	2182.2	2116.3	2080.8
47.5°	1725.5	1743.2	1804.9	1919.9	1983.6	2155.0	2442.4	2473.8	2491.5	2456.0	2447.6
50°	1652.3	1666.9	1732.8	1869.7	1962.7	2220.8	2609.6	2724.6	2740.3	2749.7	2757.0
52.5°	1538.4	1556.2	1617.8	1733.8	1851.9	2190.5	2700.5	2922.1	2940.9	2981.7	3030.8
55°	1493.5	1508.1	1546.8	1640.8	1730.7	2066.2	2746.5	3089.3	3119.6	3190.7	3275.4
57.5°	1487.2	1501.8	1536.3	1567.7	1666.9	1920.9	2766.4	3278.5	3372.5	3487.5	3624.4
60°	1541.5	1547.8	1563.5	1564.5	1610.5	1810.1	2705.8	3511.5	3699.7	3867.9	4083.2
62.5°	1578.1	1583.3	1607.4	1651.3	1638.7	1699.3	2500.9	3663.1	3943.2	4191.9	4471.0
64°	1524.8	1524.8	1553.0	1607.4	1721.3	1652.3	2293.0	3657.9	3965.1	4231.6	4549.3
65°	1464.2	1463.1	1489.3	1533.2	1707.7	1645.0	2142.5	3570.1	3887.8	4155.3	4499.2
67.5°	1189.3	1148.6	1172.6	1228.0	1440.2	1661.7	1768.3	3003.6	3329.7	3652.6	4048.7
70°	615.6	637.5	650.1	742.0	996.0	1429.7	1484.0	2122.6	2493.6	2815.5	3362.1
72.5°	260.2	243.5	273.8	338.6	523.6	1012.7	1364.9	1474.6	1668.0	1924.0	2504.1
75°	141.1	142.1	148.4	168.3	272.8	559.1	1258.3	1299.1	1316.8	1358.6	1668.0
77.5°	104.5	104.5	107.6	107.6	142.1	290.5	1003.3	1228.0	1231.1	1204.0	1275.0
80°	78.4	82.6	87.8	83.6	88.8	165.1	587.3	1115.1	1162.2	1171.6	1230.1
82.5°	64.8	66.9	78.4	75.2	70.0	99.3	275.9	844.4	976.1	1053.5	1197.7
85°	43.9	47.0	71.1	69.0	63.8	66.9	159.9	273.8	330.3	381.5	486.0
87.5°	17.8	23.0	46.0	41.8	43.9	37.6	98.2	144.2	158.9	180.8	224.7
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: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	113.9	111.8	110.8	108.7	107.6	106.6	107.6	105.6	104.5	105.6	103.5
5°	163.0	163.0	162.0	159.9	158.9	156.8	155.7	147.4	138.0	132.7	124.4
7.5°	135.9	135.9	138.0	143.2	148.4	153.6	156.8	157.8	156.8	157.8	157.8
10°	197.5	200.7	200.7	202.8	202.8	203.8	204.8	206.9	209.0	221.6	231.0
12.5°	212.2	213.2	213.2	214.2	218.4	222.6	222.6	225.7	223.7	222.6	220.5
15°	347.0	341.7	317.7	314.6	313.5	310.4	302.0	298.9	298.9	301.0	299.9
17.5°	371.0	374.1	370.0	364.7	359.5	348.0	328.2	330.3	328.2	330.3	334.4
20°	464.0	454.6	460.9	483.9	499.6	504.8	510.0	513.1	502.7	487.0	484.9
22.5°	523.6	518.4	530.9	535.1	536.1	546.6	548.7	556.0	584.2	579.0	584.2
25°	625.0	679.3	680.4	683.5	688.7	695.0	690.8	700.2	698.1	706.5	706.5
27.5°	727.4	723.2	727.4	731.6	726.3	723.2	733.7	733.7	753.5	742.0	744.1
30°	825.6	828.8	838.2	846.5	852.8	849.7	850.7	865.3	854.9	863.3	875.8
32.5°	894.6	907.1	930.1	936.4	996.0	986.6	1012.7	1025.2	1035.7	1052.4	1068.1
35°	1092.1	1101.5	1114.1	1114.1	1107.8	1123.5	1135.0	1143.3	1153.8	1179.9	1171.6
37.5°	1229.0	1230.1	1234.3	1207.1	1224.9	1232.2	1232.2	1249.9	1268.8	1269.8	1251.0
40°	1410.9	1385.8	1375.4	1351.3	1373.3	1343.0	1366.0	1361.8	1375.4	1358.6	1369.1
42.5°	1685.8	1648.1	1589.6	1581.2	1562.4	1545.7	1525.9	1542.6	1513.3	1525.9	1558.2
45°	2034.8	1934.5	1908.4	1881.2	1803.8	1791.3	1781.9	1743.2	1705.6	1746.4	1801.8
47.5°	2399.6	2288.8	2253.2	2202.0	2150.8	2085.0	2046.3	1965.8	1947.0	1998.2	2034.8
50°	2706.8	2622.2	2628.4	2556.3	2492.6	2449.7	2343.1	2262.6	2258.5	2276.2	2258.5
52.5°	2976.5	2958.7	2961.8	2916.9	2874.0	2820.7	2692.2	2644.1	2611.7	2584.5	2512.4
55°	3245.0	3303.6	3298.3	3332.8	3323.4	3284.8	3193.8	3204.3	3191.7	3102.9	3030.8
57.5°	3689.2	3779.1	3835.5	3885.7	3992.3	3980.8	3963.0	4122.9	4116.7	4032.0	4065.5
60°	4270.3	4367.5	4510.7	4639.2	4758.4	4790.8	4892.1	5111.6	5092.8	5102.2	5213.0
62.5°	4709.2	4831.5	4984.1	5134.6	5132.5	5217.2	5421.0	5531.7	5510.8	5661.3	5749.1
64°	4762.5	4892.1	5002.9	5115.8	5100.1	5185.8	5380.2	5433.5	5434.5	5617.4	5677.0
65°	4684.2	4822.1	4902.6	5001.9	4983.1	5077.1	5270.5	5268.4	5298.7	5484.7	5537.0
67.5°	4203.4	4390.5	4456.3	4492.9	4513.8	4654.9	4760.4	4716.6	4847.2	4923.5	5049.9
70°	3545.0	3754.0	3869.0	3884.6	3957.8	4099.9	4177.3	4094.7	4255.7	4204.5	4425.0
72.5°	2795.7	2991.1	3163.5	3182.3	3306.7	3379.9	3372.5	3373.6	3398.7	3318.2	3502.1
75°	1941.8	2091.3	2222.9	2239.7	2305.5	2240.7	2192.6	2097.5	1987.8	1894.8	1883.3
77.5°	1322.1	1371.2	1358.6	1309.5	1256.2	1171.6	1104.7	1085.9	1015.8	986.6	926.0
80°	1224.9	1241.6	1217.5	1214.4	1174.7	1080.6	1032.6	953.1	942.7	908.2	865.3
82.5°	1224.9	1233.2	1237.4	1261.4	1208.1	1136.0	1053.5	935.4	894.6	802.6	747.2
85°	581.1	616.6	676.2	728.4	726.3	706.5	615.6	567.5	481.8	412.8	350.1
87.5°	259.2	288.4	321.9	334.4	345.9	334.4	303.1	273.8	224.7	175.6	145.3
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: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	103.5	103.5	103.5	103.5	102.4	102.4	102.4	102.4	102.4	101.4	101.4
5°	116.0	113.9	109.7	109.7	107.6	106.6	106.6	105.6	105.6	104.5	104.5
7.5°	156.8	155.7	152.6	140.0	121.2	113.9	107.6	107.6	106.6	107.6	109.7
10°	235.1	235.1	233.1	229.9	228.9	224.7	203.8	186.0	174.5	172.4	170.4
12.5°	223.7	228.9	242.5	249.8	249.8	248.7	246.6	240.4	211.1	193.3	189.2
15°	301.0	303.1	304.1	308.3	320.8	322.9	320.8	322.9	320.8	301.0	273.8
17.5°	338.6	331.3	331.3	334.4	347.0	340.7	353.2	390.9	398.2	366.8	370.0
20°	480.7	480.7	482.8	475.5	480.7	490.2	491.2	495.4	503.7	501.6	489.1
22.5°	570.6	563.3	581.1	589.4	592.6	591.5	590.5	588.4	592.6	598.8	593.6
25°	693.9	700.2	701.3	697.1	687.7	683.5	690.8	698.1	720.1	733.7	724.3
27.5°	767.1	785.9	834.0	823.5	817.3	824.6	829.8	847.6	840.3	835.0	849.7
30°	893.6	890.4	880.0	889.4	901.9	917.6	913.4	900.9	894.6	909.2	905.1
32.5°	1062.9	1050.3	1070.2	1098.4	1118.3	1101.5	1090.0	1104.7	1104.7	1089.0	1106.8
35°	1156.9	1179.9	1210.2	1229.0	1215.5	1215.5	1227.0	1219.6	1224.9	1242.6	1253.1
37.5°	1270.8	1308.5	1327.3	1308.5	1312.6	1337.7	1338.8	1349.2	1359.7	1379.5	1408.8
40°	1416.1	1434.9	1421.3	1420.3	1451.6	1460.0	1478.8	1515.4	1531.1	1559.3	1571.8
42.5°	1595.9	1601.1	1603.2	1640.8	1646.0	1655.4	1703.5	1737.0	1777.7	1789.2	1773.5
45°	1818.5	1815.3	1862.4	1888.5	1894.8	1960.6	1979.4	2004.5	2031.7	2007.6	2047.4
47.5°	2021.2	2072.4	2133.1	2135.1	2188.4	2231.3	2248.0	2271.0	2249.1	2274.1	2244.9
50°	2260.6	2352.5	2343.1	2419.4	2461.2	2469.6	2504.1	2470.6	2474.8	2450.8	2442.4
52.5°	2559.5	2598.1	2593.9	2700.5	2707.9	2737.1	2712.0	2692.2	2689.1	2657.7	2634.7
55°	3078.9	3027.7	3082.0	3121.7	3142.6	3154.1	3074.7	3109.2	3029.8	3028.7	2974.4
57.5°	4036.2	4026.8	4061.3	4017.4	4073.8	3985.0	3979.8	3909.7	3860.6	3859.6	3828.2
60°	5188.9	5335.3	5368.7	5326.9	5219.2	5177.4	5109.5	5049.9	4963.2	4970.5	4905.7
62.5°	5839.0	6040.7	6094.0	6121.2	5982.2	5919.5	5763.7	5664.5	5530.7	5487.8	5383.3
64°	5850.5	6052.2	6150.4	6192.2	6122.2	6024.0	5876.6	5727.2	5591.3	5479.5	5384.4
65°	5763.7	5937.2	6071.0	6112.8	6107.6	5978.0	5855.7	5679.1	5553.7	5399.0	5301.8
67.5°	5296.6	5450.2	5624.7	5693.7	5764.8	5719.9	5615.3	5443.9	5293.4	5107.4	4971.6
70°	4573.4	4707.1	4862.9	4963.2	5040.5	5078.2	4988.3	4856.6	4742.7	4524.3	4364.4
72.5°	3572.2	3594.1	3625.5	3629.6	3599.3	3584.7	3504.2	3513.6	3304.6	3171.9	3079.9
75°	1774.6	1701.4	1523.8	1457.9	1307.4	1218.6	1116.2	1075.4	968.8	938.5	857.0
77.5°	813.1	711.7	587.3	489.1	408.6	353.2	301.0	264.4	234.1	222.6	205.9
80°	796.4	715.9	619.7	547.6	463.0	386.7	314.6	246.6	198.6	169.3	150.5
82.5°	678.3	584.2	519.4	476.6	423.3	370.0	303.1	244.6	188.1	145.3	118.1
85°	278.0	226.8	192.3	174.5	155.7	136.9	118.1	101.4	90.9	77.3	70.0
87.5°	119.1	104.5	96.1	95.1	90.9	87.8	84.7	80.5	71.1	65.8	59.6
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: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
5°	104.5	104.5	103.5	103.5	103.5	103.5	104.5	103.5	103.5	103.5	103.5
7.5°	110.8	110.8	110.8	110.8	110.8	110.8	110.8	111.8	110.8	110.8	111.8
10°	169.3	168.3	164.1	163.0	160.9	160.9	160.9	162.0	166.2	168.3	170.4
12.5°	185.0	187.1	189.2	185.0	187.1	181.8	185.0	187.1	186.0	187.1	185.0
15°	275.9	275.9	274.9	273.8	270.7	267.5	266.5	266.5	264.4	262.3	264.4
17.5°	365.8	365.8	360.6	356.4	356.4	334.4	350.1	344.9	348.0	333.4	373.1
20°	458.8	456.7	459.8	467.2	470.3	465.1	457.8	449.4	447.3	460.9	477.6
22.5°	592.6	588.4	576.9	562.3	560.2	559.1	572.7	572.7	573.8	580.0	590.5
25°	709.6	686.6	677.2	687.7	690.8	676.2	676.2	681.4	709.6	720.1	721.1
27.5°	852.8	845.5	839.2	826.7	821.5	842.4	853.8	841.3	837.1	852.8	852.8
30°	911.3	928.1	927.0	939.5	949.0	922.8	909.2	942.7	939.5	915.5	929.1
32.5°	1125.6	1133.9	1145.4	1161.1	1149.6	1166.3	1148.6	1135.0	1156.9	1152.7	1137.1
35°	1252.0	1275.0	1275.0	1276.1	1307.4	1301.2	1293.8	1289.7	1272.9	1284.4	1291.7
37.5°	1406.7	1392.1	1404.6	1420.3	1426.6	1433.9	1436.0	1441.2	1419.3	1404.6	1383.7
40°	1558.2	1576.0	1560.3	1564.5	1577.1	1575.0	1583.3	1594.8	1563.5	1541.5	1512.3
42.5°	1786.1	1779.8	1775.6	1769.4	1754.7	1769.4	1754.7	1721.3	1728.6	1696.2	1654.4
45°	2025.4	2012.9	2013.9	1994.1	1979.4	1939.7	1928.2	1918.8	1879.1	1855.1	1789.2
47.5°	2247.0	2237.6	2204.1	2211.4	2166.5	2119.5	2090.2	2075.6	2021.2	1956.4	1916.7
50°	2437.2	2412.1	2413.1	2365.1	2332.7	2296.1	2250.1	2193.7	2134.1	2073.5	1987.8
52.5°	2609.6	2607.5	2577.2	2543.8	2495.7	2475.8	2397.5	2317.0	2244.9	2172.8	2076.6
55°	3009.9	2973.3	2909.6	2892.8	2869.9	2749.7	2691.1	2592.9	2481.1	2393.3	2264.7
57.5°	3837.6	3789.5	3714.3	3707.0	3565.9	3469.7	3334.9	3220.0	3067.4	2917.9	2728.8
60°	4825.2	4754.2	4759.4	4650.7	4530.5	4415.6	4247.3	4084.3	3873.2	3617.1	3300.4
62.5°	5289.3	5220.3	5160.7	5037.4	4909.9	4783.4	4644.4	4426.0	4222.2	3923.3	3530.4
64°	5273.6	5188.9	5098.0	4973.6	4858.7	4711.3	4570.2	4371.7	4141.7	3864.8	3449.9
65°	5197.3	5103.2	4986.2	4867.0	4729.1	4592.2	4453.2	4273.4	4019.5	3750.9	3332.8
67.5°	4837.8	4716.6	4591.1	4476.2	4330.9	4195.0	4070.7	3908.7	3645.3	3356.9	2981.7
70°	4246.3	4096.8	3958.9	3884.6	3779.1	3657.9	3507.4	3371.5	3128.0	2841.6	2500.9
72.5°	2915.8	2743.4	2647.2	2678.6	2573.0	2535.4	2499.9	2393.3	2180.1	1974.2	1755.8
75°	912.4	843.4	797.4	853.8	815.2	877.9	858.0	839.2	782.8	758.7	682.5
77.5°	206.9	197.5	193.3	191.3	192.3	191.3	188.1	187.1	183.9	186.0	180.8
80°	143.2	136.9	134.8	131.7	129.6	126.5	123.3	122.3	121.2	119.1	118.1
82.5°	103.5	95.1	94.1	92.0	90.9	88.8	87.8	89.9	88.8	92.0	92.0
85°	66.9	62.7	60.6	61.7	60.6	62.7	63.8	65.8	69.0	72.1	77.3
87.5°	55.4	52.3	52.3	53.3	55.4	57.5	62.7	69.0	74.2	82.6	92.0
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: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
2.5°	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	103.5	104.5	109.7
5°	103.5	104.5	103.5	104.5	104.5	104.5	105.6	105.6	132.7	160.9	112.9
7.5°	110.8	111.8	110.8	109.7	108.7	107.6	112.9	118.1	148.4	105.6	103.5
10°	171.4	172.4	173.5	183.9	199.6	221.6	225.7	225.7	164.1	143.2	160.9
12.5°	185.0	192.3	223.7	235.1	235.1	235.1	233.1	220.5	173.5	226.8	225.7
15°	283.2	306.2	307.3	308.3	307.3	287.4	268.6	263.4	270.7	243.5	232.0
17.5°	362.7	320.8	350.1	292.6	275.9	280.1	284.3	290.5	330.3	308.3	285.3
20°	486.0	487.0	457.8	447.3	440.0	438.9	441.0	445.2	420.1	345.9	318.8
22.5°	580.0	564.4	569.6	576.9	570.6	556.0	549.7	542.4	497.5	456.7	336.5
25°	697.1	693.9	686.6	685.6	701.3	710.7	703.4	692.9	621.8	458.8	359.5
27.5°	850.7	857.0	854.9	832.9	822.5	837.1	822.5	791.1	697.1	569.6	371.0
30°	930.1	944.8	952.1	951.0	926.0	926.0	918.6	939.5	767.1	554.9	380.4
32.5°	1145.4	1146.5	1143.3	1144.4	1140.2	1104.7	1068.1	1048.2	756.7	567.5	362.7
35°	1263.5	1254.1	1256.2	1235.3	1210.2	1184.1	1145.4	1097.4	810.0	520.5	319.8
37.5°	1391.0	1356.5	1320.0	1302.2	1265.6	1234.3	1205.0	1147.5	783.8	481.8	273.8
40°	1479.9	1469.4	1400.4	1355.5	1330.4	1281.3	1231.1	1194.6	734.7	400.3	232.0
42.5°	1585.4	1540.5	1508.1	1420.3	1363.9	1325.2	1254.1	1187.2	657.4	324.0	201.7
45°	1717.1	1630.4	1560.3	1503.9	1385.8	1312.6	1245.8	1165.3	559.1	264.4	182.9
47.5°	1822.7	1728.6	1608.4	1509.1	1411.9	1267.7	1191.4	1098.4	466.1	227.8	170.4
50°	1912.5	1779.8	1643.9	1490.3	1364.9	1215.5	1093.2	1019.0	384.6	198.6	155.7
52.5°	1966.9	1819.5	1652.3	1468.4	1291.7	1153.8	1019.0	913.4	322.9	177.7	141.1
55°	2082.9	1919.9	1704.6	1484.0	1271.9	1103.6	980.3	850.7	286.4	158.9	129.6
57.5°	2473.8	2196.8	1929.3	1636.6	1378.5	1162.2	1013.8	873.7	266.5	145.3	120.2
60°	2970.2	2593.9	2212.5	1836.2	1517.5	1257.3	1054.5	908.2	245.6	136.9	115.0
62.5°	3131.1	2695.3	2257.4	1872.8	1508.1	1229.0	1019.0	858.0	215.3	130.6	113.9
64°	3022.4	2582.5	2158.1	1767.3	1421.3	1145.4	942.7	777.6	194.4	128.5	118.1
65°	2898.1	2464.4	2065.1	1683.7	1346.1	1072.3	872.7	719.0	180.8	127.5	122.3
67.5°	2538.6	2138.3	1754.7	1397.3	1103.6	867.4	676.2	540.3	151.5	130.6	136.9
70°	2132.0	1726.5	1406.7	1089.0	838.2	637.5	478.7	370.0	131.7	139.0	148.4
72.5°	1512.3	1175.7	968.8	731.6	552.9	403.4	305.2	233.1	116.0	134.8	138.0
75°	598.8	501.6	401.3	312.5	255.0	209.0	175.6	143.2	104.5	120.2	108.7
77.5°	168.3	157.8	146.3	131.7	123.3	116.0	108.7	103.5	94.1	101.4	81.5
80°	112.9	108.7	105.6	102.4	100.3	97.2	95.1	94.1	86.7	84.7	60.6
82.5°	90.9	90.9	92.0	92.0	93.0	94.1	94.1	94.1	84.7	75.2	50.2
85°	82.6	87.8	94.1	101.4	106.6	108.7	109.7	107.6	80.5	64.8	39.7
87.5°	102.4	113.9	125.4	135.9	138.0	142.1	135.9	132.7	64.8	52.3	25.1
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: P157053

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	101.4	101.4	101.4	101.4	101.4
2.5°	122.3	155.7	163.0	163.0	159.9
5°	104.5	103.5	100.3	100.3	100.3
7.5°	104.5	141.1	158.9	162.0	159.9
10°	159.9	165.1	164.1	160.9	159.9
12.5°	166.2	180.8	213.2	210.1	211.1
15°	271.7	205.9	202.8	196.5	196.5
17.5°	259.2	221.6	232.0	227.8	227.8
20°	286.4	258.1	218.4	217.4	212.2
22.5°	296.8	271.7	237.2	227.8	227.8
25°	305.2	250.8	219.5	233.1	233.1
27.5°	281.1	252.9	213.2	203.8	202.8
30°	287.4	228.9	212.2	200.7	199.6
32.5°	262.3	211.1	191.3	198.6	198.6
35°	234.1	199.6	187.1	189.2	189.2
37.5°	211.1	187.1	188.1	191.3	191.3
40°	190.2	180.8	190.2	194.4	193.3
42.5°	176.6	173.5	177.7	181.8	180.8
45°	164.1	162.0	166.2	168.3	167.2
47.5°	153.6	153.6	154.7	155.7	155.7
50°	143.2	145.3	145.3	145.3	144.2
52.5°	133.8	133.8	135.9	134.8	134.8
55°	124.4	125.4	128.5	126.5	125.4
57.5°	116.0	120.2	120.2	118.1	117.1
60°	111.8	116.0	113.9	109.7	108.7
62.5°	113.9	112.9	108.7	103.5	102.4
64°	117.1	112.9	106.6	100.3	100.3
65°	120.2	112.9	105.6	98.2	98.2
67.5°	132.7	119.1	111.8	97.2	95.1
70°	140.0	128.5	120.2	97.2	93.0
72.5°	127.5	121.2	120.2	95.1	89.9
75°	98.2	102.4	107.6	88.8	84.7
77.5°	75.2	86.7	100.3	77.3	71.1
80°	60.6	82.6	104.5	64.8	54.3
82.5°	52.3	99.3	107.6	53.3	44.9
85°	42.8	111.8	105.6	46.0	32.4
87.5°	31.4	53.3	71.1	41.8	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)