

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: P157199

Luminaire Tested: **UTLD-E03-LED-E-U-T4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157199
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)
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-T4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7225.4 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - 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

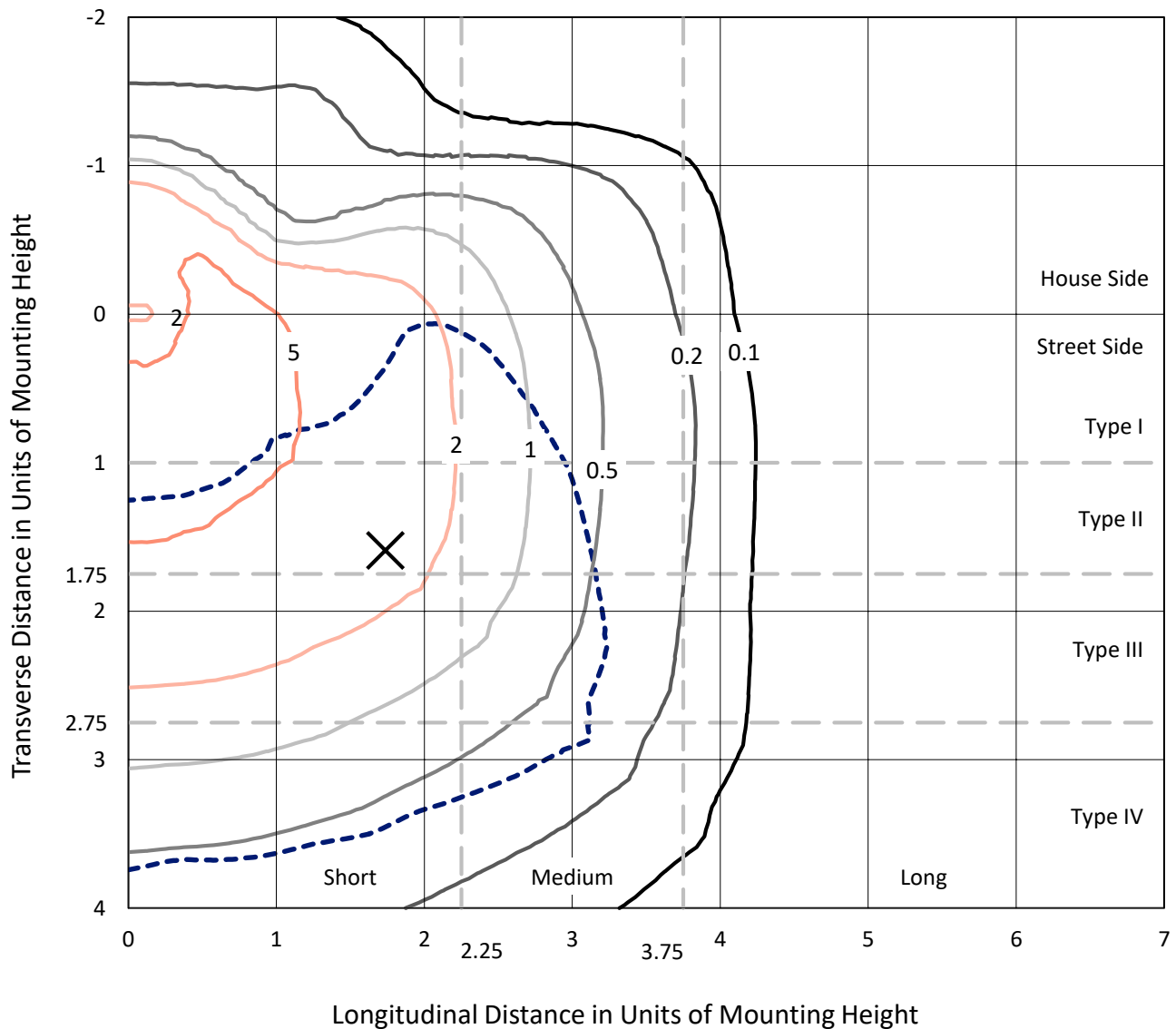


REPORT NUMBER: P157199

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

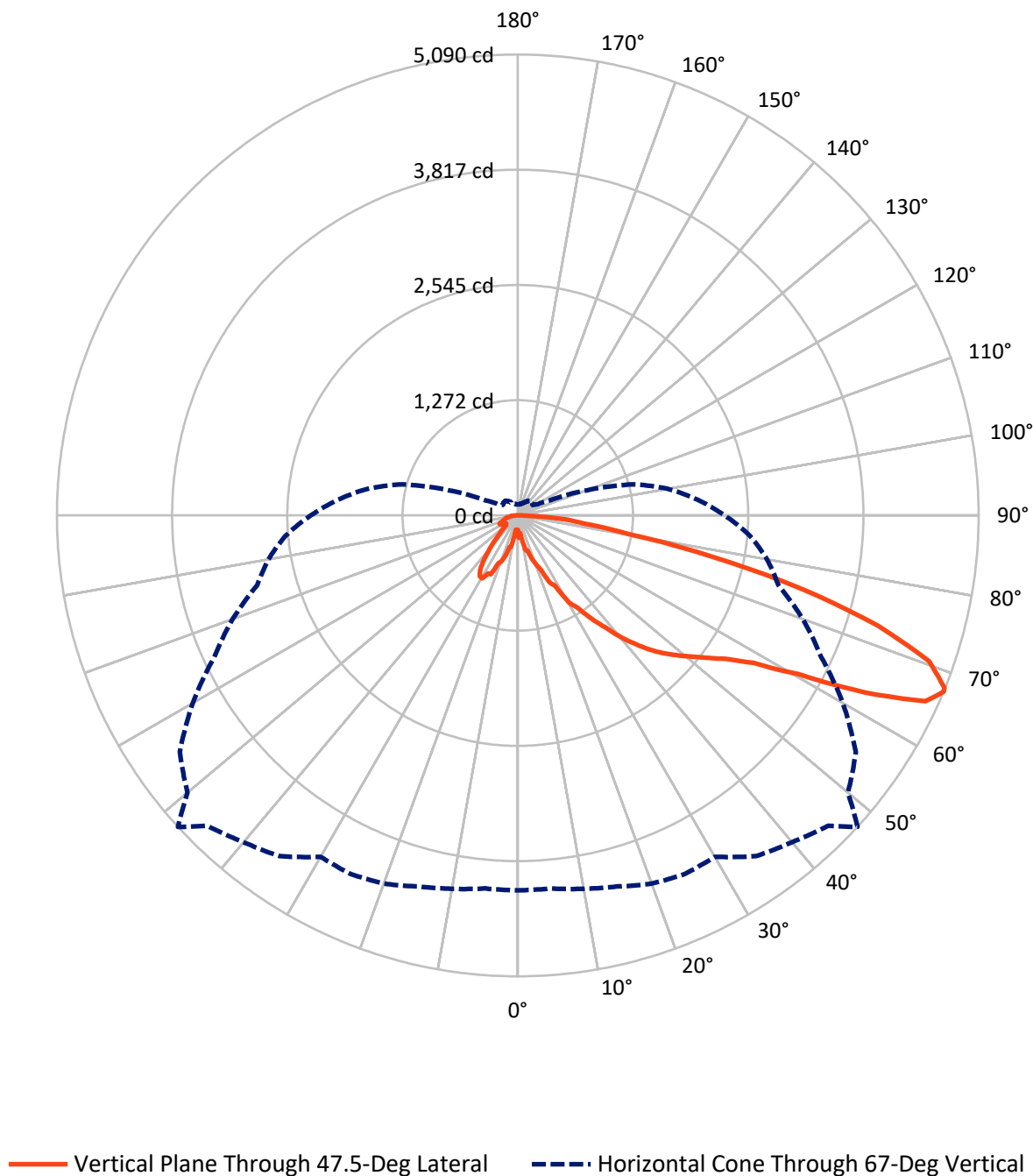


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P157199

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P157199

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

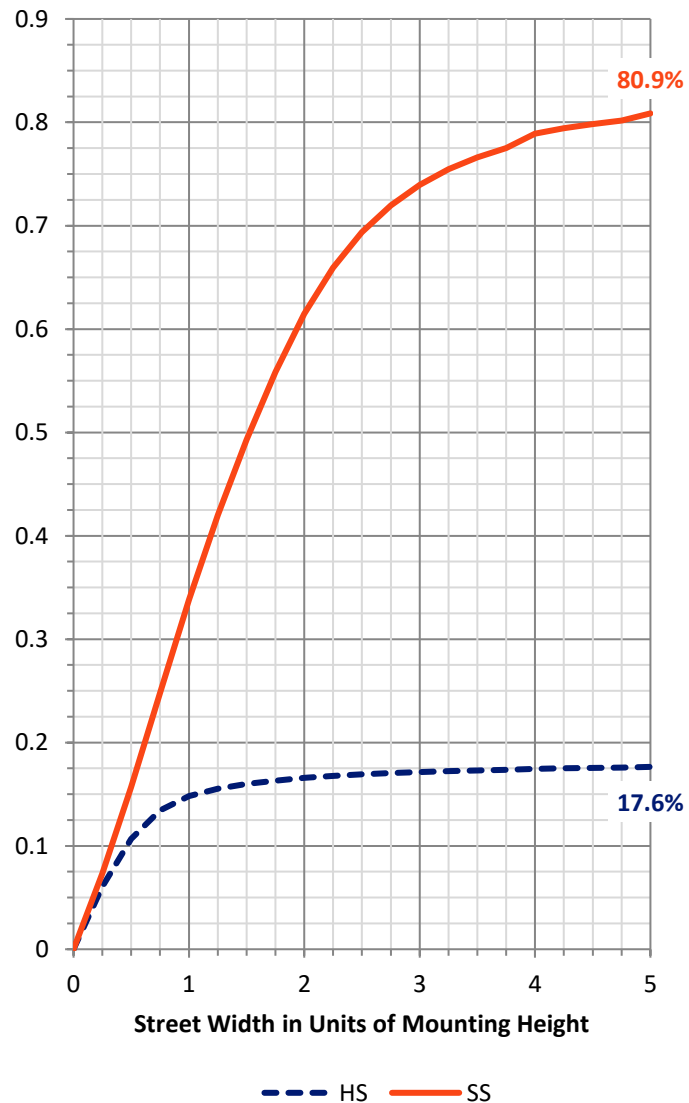
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1296.9	0.0	1296.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	5928.5	0.0	5928.5
	% Fixture	82.1	0.0	82.1
Total	Lumens	7225.4	0.0	7225.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	0.3
10°-20°	118.5	1.6
20°-30°	349.2	4.8
30°-40°	686.6	9.5
40°-50°	958.7	13.3
50°-60°	1336.6	18.5
60°-70°	2141.8	29.6
70°-80°	1374.0	19.0
80°-90°	239.0	3.3
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°	7225.4	100.0
0°-180°	7225.4	100.0

Coefficient of Utilization



REPORT NUMBER: P157199

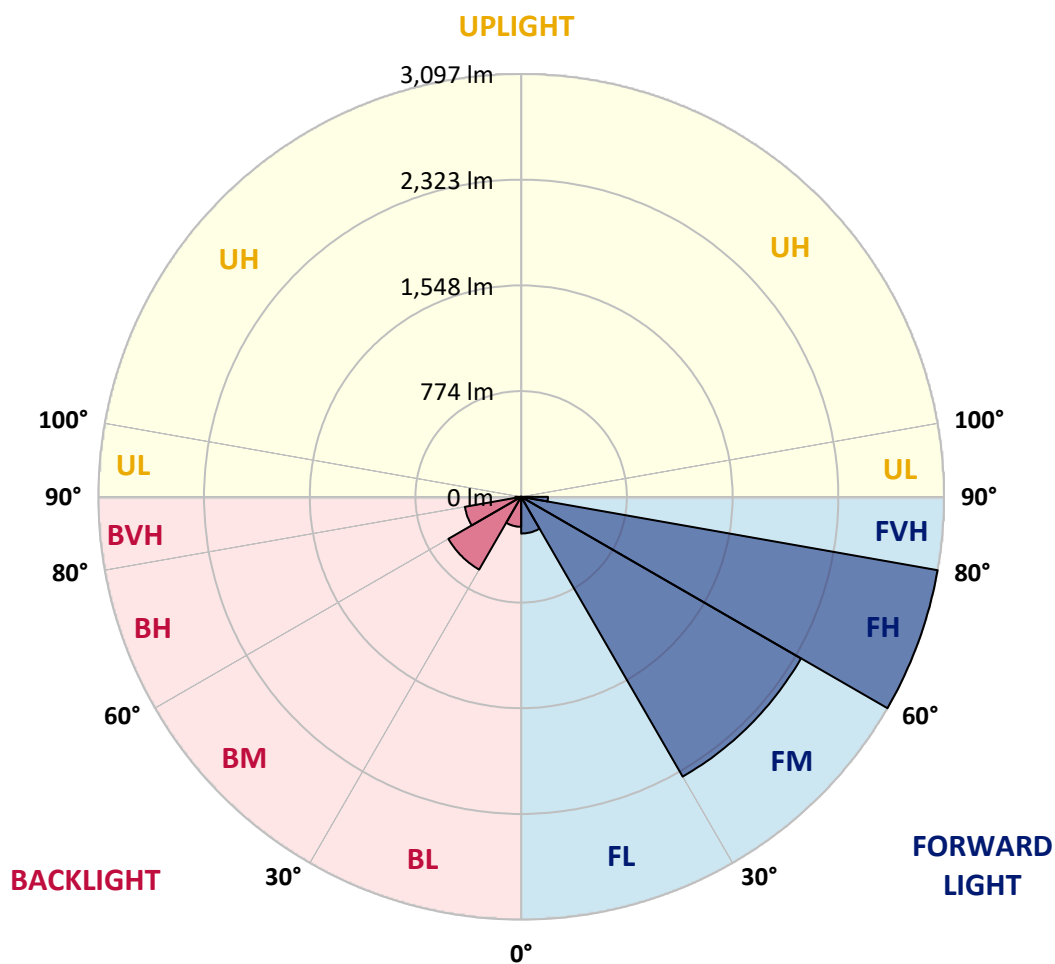
CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.2	3.7			
FM	(30°-60°)	2366.5	32.8			
FH	(60°-80°)	3096.9	42.9			G2/5000
FVH	(80°-90°)	195.9	2.7			G2/225
BL	(0°-30°)	219.7	3.0	B1/500		
BM	(30°-60°)	615.3	8.5	B1/1000		
BH	(60°-80°)	418.8	5.8	B1/500		G1/500
BVH	(80°-90°)	43.1	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 IV Short





REPORT NUMBER: P157199

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3
2.5°	249.3	250.7	249.3	250.7	250.7	249.3	249.3	249.3	253.5	241.1	246.6
5°	197.3	198.7	198.7	198.7	198.7	198.7	200.0	204.1	200.0	201.4	201.4
7.5°	301.4	304.1	304.1	301.4	302.8	302.8	301.4	215.1	208.2	204.1	200.0
10°	308.3	311.0	311.0	305.5	306.9	308.3	308.3	306.9	304.1	294.6	293.2
12.5°	417.9	419.2	417.9	416.5	413.7	400.0	367.2	319.2	304.1	385.0	391.8
15°	448.0	446.6	443.9	437.0	432.9	426.1	417.9	486.4	478.1	413.7	405.5
17.5°	568.6	568.6	565.8	564.5	546.6	541.2	524.7	515.1	505.5	491.8	500.1
20°	689.1	682.3	622.0	589.1	568.6	630.2	628.8	611.0	626.1	575.4	574.0
22.5°	733.0	728.9	723.4	705.6	700.1	742.6	701.5	689.1	702.8	649.4	648.0
25°	904.2	902.8	878.2	864.5	822.0	800.1	815.2	804.2	765.8	764.5	820.6
27.5°	978.2	968.6	950.8	927.5	970.0	952.2	954.9	861.7	934.4	897.4	882.3
30°	1168.6	1172.7	1141.2	1152.2	1142.6	1057.7	1030.3	1056.3	1052.2	1023.4	1115.2
32.5°	1407.0	1405.6	1371.4	1309.7	1226.2	1209.7	1226.2	1202.9	1194.7	1189.2	1216.6
35°	1670.1	1650.9	1533.1	1504.3	1457.7	1423.5	1409.8	1350.8	1375.5	1308.4	1400.2
37.5°	1797.5	1800.2	1755.0	1755.0	1705.7	1655.0	1592.0	1598.8	1545.4	1504.3	1568.7
40°	1986.5	1993.4	1950.9	1927.6	1905.7	1826.2	1783.8	1752.3	1750.9	1713.9	1779.7
42.5°	2078.3	2089.3	2050.9	2038.6	2053.7	2001.6	1933.1	1931.7	1940.0	1889.3	1966.0
45°	2172.9	2186.6	2146.8	2163.3	2146.8	2138.6	2046.8	2093.4	2116.7	2060.5	2144.1
47.5°	2283.8	2301.6	2286.6	2277.0	2260.5	2260.5	2193.4	2224.9	2259.2	2211.2	2298.9
50°	2422.2	2434.5	2418.1	2414.0	2389.3	2385.2	2341.4	2363.3	2390.7	2341.4	2445.5
52.5°	2605.8	2608.5	2597.6	2572.9	2535.9	2544.1	2518.1	2519.5	2530.4	2497.6	2612.6
55°	2837.3	2840.1	2838.7	2781.2	2815.4	2752.4	2709.9	2718.1	2712.7	2686.6	2796.2
57.5°	3126.4	3144.2	3152.4	3101.7	3133.2	3016.8	2992.1	2977.1	2996.2	2937.3	3071.6
60°	3586.7	3614.1	3600.4	3592.2	3567.5	3459.3	3427.8	3471.6	3451.1	3399.0	3559.3
62.5°	4177.2	4170.4	4204.6	4199.1	4206.0	4097.7	4023.8	4130.6	4166.2	4186.8	4308.7
65°	4329.3	4330.7	4374.5	4385.5	4438.9	4427.9	4377.2	4563.6	4623.8	4710.1	4947.2
67°	4140.2	4134.7	4186.8	4241.6	4326.5	4369.0	4352.6	4592.3	4710.1	4847.2	5089.6
67.5°	4081.3	4070.3	4126.5	4197.8	4285.4	4337.5	4325.2	4573.1	4696.4	4845.8	5082.8
70°	3696.3	3658.0	3729.2	3825.1	3904.6	4023.8	4029.2	4264.9	4436.1	4596.4	4817.0
72.5°	3203.1	3152.4	3216.8	3289.4	3348.3	3486.7	3494.9	3648.4	3823.7	3953.9	4158.0
75°	2542.8	2477.0	2537.3	2572.9	2594.8	2707.2	2716.8	2851.0	2979.8	3079.8	3237.4
77.5°	1572.8	1528.9	1578.3	1637.2	1711.2	1760.5	1787.9	1870.1	2011.2	2123.5	2208.5
80°	787.8	819.3	871.3	950.8	1012.4	1098.8	1134.4	1139.9	1198.8	1190.6	1244.0
82.5°	548.0	582.3	656.2	706.9	726.1	753.5	797.4	783.7	743.9	737.1	731.6
85°	139.7	217.8	400.0	485.0	504.2	532.9	572.7	596.0	534.3	483.6	493.2
87.5°	38.4	46.6	137.0	202.8	219.2	161.7	209.6	250.7	163.0	108.2	113.7
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: P157199

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3
2.5°	221.9	197.3	186.3	169.9	165.8	164.4	161.7	161.7	160.3	160.3	160.3
5°	205.5	227.4	246.6	252.1	241.1	179.5	174.0	164.4	163.0	163.0	164.4
7.5°	201.4	204.1	205.5	197.3	230.2	231.5	167.1	164.4	164.4	164.4	165.8
10°	293.2	217.8	274.0	283.6	290.4	338.4	334.3	253.5	243.9	249.3	257.6
12.5°	394.6	405.5	361.7	293.2	300.0	302.8	339.8	263.0	248.0	257.6	311.0
15°	404.2	402.8	422.0	472.7	411.0	398.7	424.7	364.4	361.7	339.8	397.3
17.5°	572.7	490.5	476.8	480.9	439.8	420.6	390.5	423.3	383.6	372.6	364.4
20°	594.6	545.3	520.6	606.9	660.4	604.2	574.0	583.6	549.4	528.8	524.7
22.5°	646.7	704.2	727.5	672.7	672.7	664.5	724.7	680.9	661.7	639.8	630.2
25°	842.6	749.4	822.0	880.9	852.2	830.2	785.0	800.1	738.4	737.1	709.7
27.5°	922.0	976.8	950.8	956.3	911.1	980.9	950.8	917.9	860.4	849.4	863.1
30°	1126.2	1070.0	1094.7	1113.8	1093.3	1089.2	1057.7	1011.1	970.0	939.8	935.7
32.5°	1209.7	1248.1	1237.1	1213.8	1282.3	1302.9	1283.7	1174.1	1137.1	1059.0	1059.0
35°	1375.5	1356.3	1452.2	1428.9	1401.5	1375.5	1357.7	1282.3	1201.5	1119.3	1097.4
37.5°	1557.7	1578.3	1575.5	1530.3	1483.7	1435.8	1416.6	1344.0	1253.6	1179.6	1081.0
40°	1745.4	1707.1	1687.9	1648.1	1563.2	1520.7	1492.0	1450.9	1312.5	1228.9	1085.1
42.5°	1920.8	1894.7	1804.3	1745.4	1683.8	1622.1	1541.3	1508.4	1368.7	1261.8	1071.4
45°	2082.4	2037.2	1940.0	1864.6	1763.2	1713.9	1600.2	1538.5	1430.3	1264.5	1034.4
47.5°	2218.1	2171.5	2072.8	1945.4	1852.3	1781.0	1674.2	1620.7	1489.2	1296.0	1034.4
50°	2349.6	2296.2	2189.3	2009.8	1926.3	1807.1	1749.5	1674.2	1563.2	1342.6	1065.9
52.5°	2493.4	2429.1	2301.6	2097.5	2001.6	1885.2	1823.5	1760.5	1659.1	1407.0	1117.9
55°	2671.5	2594.8	2429.1	2231.8	2094.8	1989.3	1930.4	1864.6	1759.1	1481.0	1182.3
57.5°	2927.7	2819.5	2623.6	2442.8	2275.6	2185.2	2101.6	2011.2	1919.4	1611.2	1287.8
60°	3366.2	3248.3	2996.2	2833.2	2651.0	2530.4	2397.5	2326.3	2185.2	1859.1	1461.8
62.5°	4095.0	3944.3	3705.9	3399.0	3138.7	2893.5	2755.1	2652.4	2442.8	2077.0	1685.1
65°	4636.2	4426.6	4107.3	3711.4	3399.0	3033.2	2899.0	2688.0	2437.3	2092.0	1749.5
67°	4760.8	4556.7	4145.7	3696.3	3351.1	2979.8	2796.2	2574.3	2285.2	1992.0	1687.9
67.5°	4758.1	4558.1	4125.1	3670.3	3323.7	2952.4	2755.1	2529.1	2234.5	1960.5	1668.7
70°	4485.5	4323.8	3856.6	3397.7	3036.0	2692.1	2433.2	2220.8	1941.3	1723.5	1470.0
72.5°	3818.3	3719.6	3290.8	2874.3	2540.0	2252.3	2055.0	1844.1	1592.0	1423.5	1239.9
75°	2981.2	2841.4	2426.3	2101.6	1831.7	1639.9	1482.4	1293.3	1094.7	997.4	927.5
77.5°	1986.5	1849.5	1461.8	1142.6	950.8	789.1	668.6	534.3	415.1	426.1	459.0
80°	1079.6	970.0	698.7	504.2	411.0	332.9	279.5	213.7	156.2	187.7	213.7
82.5°	656.2	575.4	446.6	349.4	286.3	242.5	197.3	146.6	112.3	127.4	154.8
85°	456.2	402.8	319.2	250.7	204.1	163.0	127.4	94.5	89.1	97.3	111.0
87.5°	152.1	189.1	143.9	116.5	112.3	101.4	84.9	68.5	53.4	67.1	86.3
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: P157199

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3
2.5°	161.7	163.0	169.9	174.0	174.0	169.9	197.3	194.5	237.0	239.8	250.7
5°	175.4	176.7	230.2	249.3	250.7	216.5	168.5	161.7	158.9	157.6	161.7
7.5°	198.7	231.5	209.6	150.7	156.2	156.2	158.9	157.6	158.9	187.7	257.6
10°	332.9	249.3	235.6	201.4	163.0	175.4	253.5	254.8	258.9	269.9	271.3
12.5°	293.2	256.2	241.1	242.5	334.3	358.9	346.6	264.4	268.5	275.4	322.0
15°	339.8	335.7	354.8	350.7	341.1	363.1	358.9	428.8	441.1	376.8	378.1
17.5°	348.0	350.7	431.6	442.5	434.3	475.4	449.4	443.9	453.5	446.6	424.7
20°	524.7	583.6	565.8	476.8	491.8	545.3	531.6	456.2	522.0	527.5	489.1
22.5°	549.4	601.4	617.9	668.6	665.8	559.0	575.4	601.4	546.6	522.0	569.9
25°	737.1	787.8	813.8	741.2	671.3	730.2	698.7	598.7	623.4	582.3	582.3
27.5°	916.5	842.6	867.2	834.3	856.3	737.1	701.5	742.6	617.9	628.8	641.2
30°	956.3	938.5	956.3	916.5	859.0	838.5	761.7	727.5	737.1	645.3	637.1
32.5°	1023.4	991.9	959.0	887.8	879.6	817.9	764.5	750.8	682.3	648.0	642.5
35°	1015.2	942.6	919.3	874.1	809.7	760.4	708.3	669.9	619.3	609.7	602.8
37.5°	989.2	876.8	812.4	768.6	713.8	667.2	593.2	567.2	549.4	531.6	523.3
40°	949.4	808.3	700.1	633.0	576.8	527.5	479.5	454.8	442.5	449.4	457.6
42.5°	879.6	728.9	579.5	502.8	443.9	404.2	372.6	361.7	357.6	364.4	378.1
45°	824.8	628.8	467.2	379.5	330.2	304.1	282.2	274.0	279.5	285.0	291.8
47.5°	800.1	552.1	374.0	286.3	248.0	234.3	220.6	213.7	216.5	220.6	226.1
50°	793.2	508.3	312.4	226.1	200.0	186.3	176.7	174.0	175.4	174.0	176.7
52.5°	794.6	508.3	283.6	198.7	175.4	164.4	156.2	153.4	149.3	148.0	149.3
55°	823.4	522.0	276.7	193.2	171.3	158.9	150.7	149.3	143.9	139.7	138.4
57.5°	911.1	571.3	293.2	204.1	178.1	167.1	158.9	157.6	152.1	145.2	142.5
60°	1085.1	679.5	337.0	228.8	195.9	186.3	180.8	179.5	171.3	161.7	153.4
62.5°	1267.3	798.7	390.5	254.8	216.5	213.7	215.1	212.4	201.4	180.8	165.8
65°	1348.1	845.3	411.0	257.6	216.5	221.9	226.1	227.4	209.6	185.0	165.8
67°	1323.4	812.4	390.5	241.1	202.8	208.2	209.6	211.0	193.2	172.6	154.8
67.5°	1311.1	798.7	383.6	238.4	201.4	205.5	204.1	204.1	187.7	169.9	152.1
70°	1183.7	705.6	338.4	220.6	187.7	182.2	171.3	171.3	158.9	149.3	139.7
72.5°	1004.2	598.7	294.6	209.6	178.1	163.0	150.7	149.3	141.1	137.0	131.5
75°	767.2	465.8	258.9	198.7	168.5	150.7	137.0	138.4	130.2	128.8	126.0
77.5°	456.2	316.5	224.7	185.0	160.3	142.5	127.4	130.2	120.6	119.2	119.2
80°	227.4	211.0	186.3	160.3	139.7	126.0	111.0	111.0	104.1	102.8	106.9
82.5°	171.3	158.9	138.4	121.9	109.6	94.5	74.0	82.2	82.2	84.9	87.7
85°	127.4	113.7	98.6	86.3	79.5	71.2	57.5	63.0	64.4	69.9	72.6
87.5°	95.9	80.8	68.5	63.0	60.3	54.8	42.5	50.7	52.1	52.1	54.8
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: P157199

CATALOG NUMBER: UTLD-E03-LED-E-U-T4-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	160.3	160.3	160.3	160.3	160.3
2.5°	252.1	249.3	246.6	245.2	245.2
5°	158.9	154.8	154.8	154.8	153.4
7.5°	264.4	268.5	267.2	267.2	265.8
10°	271.3	269.9	271.3	269.9	271.3
12.5°	369.9	380.9	387.7	390.5	387.7
15°	390.5	389.1	390.5	391.8	390.5
17.5°	471.3	483.6	486.4	485.0	485.0
20°	464.4	475.4	476.8	483.6	476.8
22.5°	546.6	543.9	550.8	548.0	545.3
25°	574.0	549.4	609.7	613.8	609.7
27.5°	638.4	597.3	602.8	602.8	597.3
30°	663.1	645.3	649.4	654.9	653.5
32.5°	613.8	620.6	671.3	680.9	679.5
35°	604.2	613.8	606.9	615.1	642.5
37.5°	567.2	572.7	583.6	593.2	594.6
40°	494.6	516.5	532.9	539.8	545.3
42.5°	394.6	417.9	432.9	439.8	434.3
45°	306.9	322.0	334.3	338.4	334.3
47.5°	235.6	241.1	245.2	246.6	250.7
50°	180.8	180.8	182.2	179.5	179.5
52.5°	152.1	148.0	148.0	145.2	145.2
55°	138.4	135.6	134.3	131.5	131.5
57.5°	138.4	132.9	128.8	124.7	124.7
60°	143.9	134.3	126.0	121.9	120.6
62.5°	149.3	137.0	126.0	120.6	119.2
65°	146.6	135.6	126.0	120.6	119.2
67°	141.1	132.9	126.0	120.6	120.6
67.5°	139.7	132.9	126.0	120.6	119.2
70°	134.3	131.5	124.7	119.2	117.8
72.5°	128.8	126.0	119.2	113.7	112.3
75°	123.3	119.2	113.7	109.6	108.2
77.5°	116.5	111.0	105.5	100.0	97.3
80°	105.5	98.6	91.8	87.7	82.2
82.5°	89.1	87.7	79.5	74.0	68.5
85°	74.0	72.6	67.1	60.3	53.4
87.5°	56.2	57.5	53.4	46.6	32.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)