

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: P157159

Luminaire Tested: **UTLD-E02-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157159
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E02-LED-E-U-T3-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4923.8 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 52.1
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

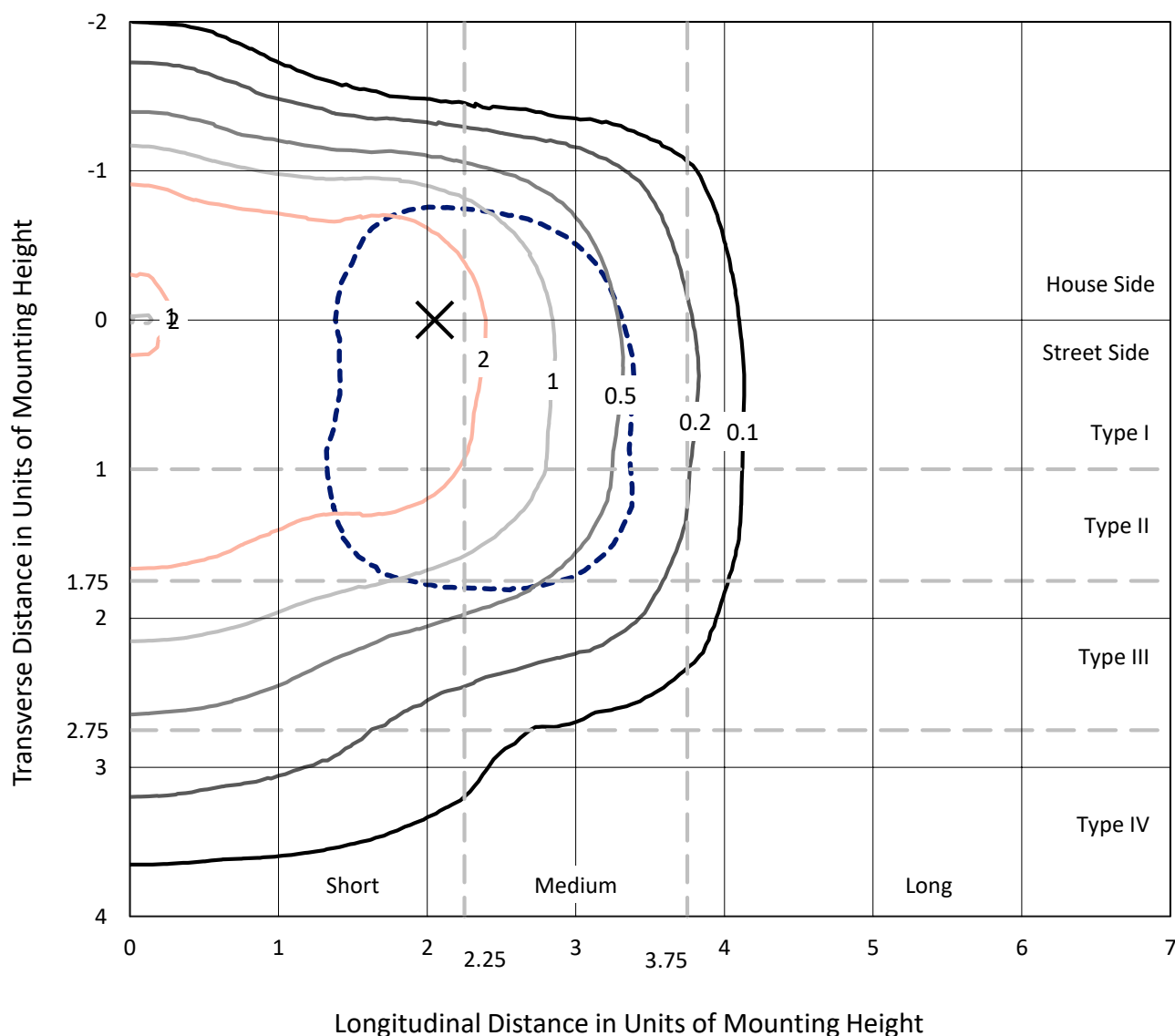


REPORT NUMBER: P157159

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

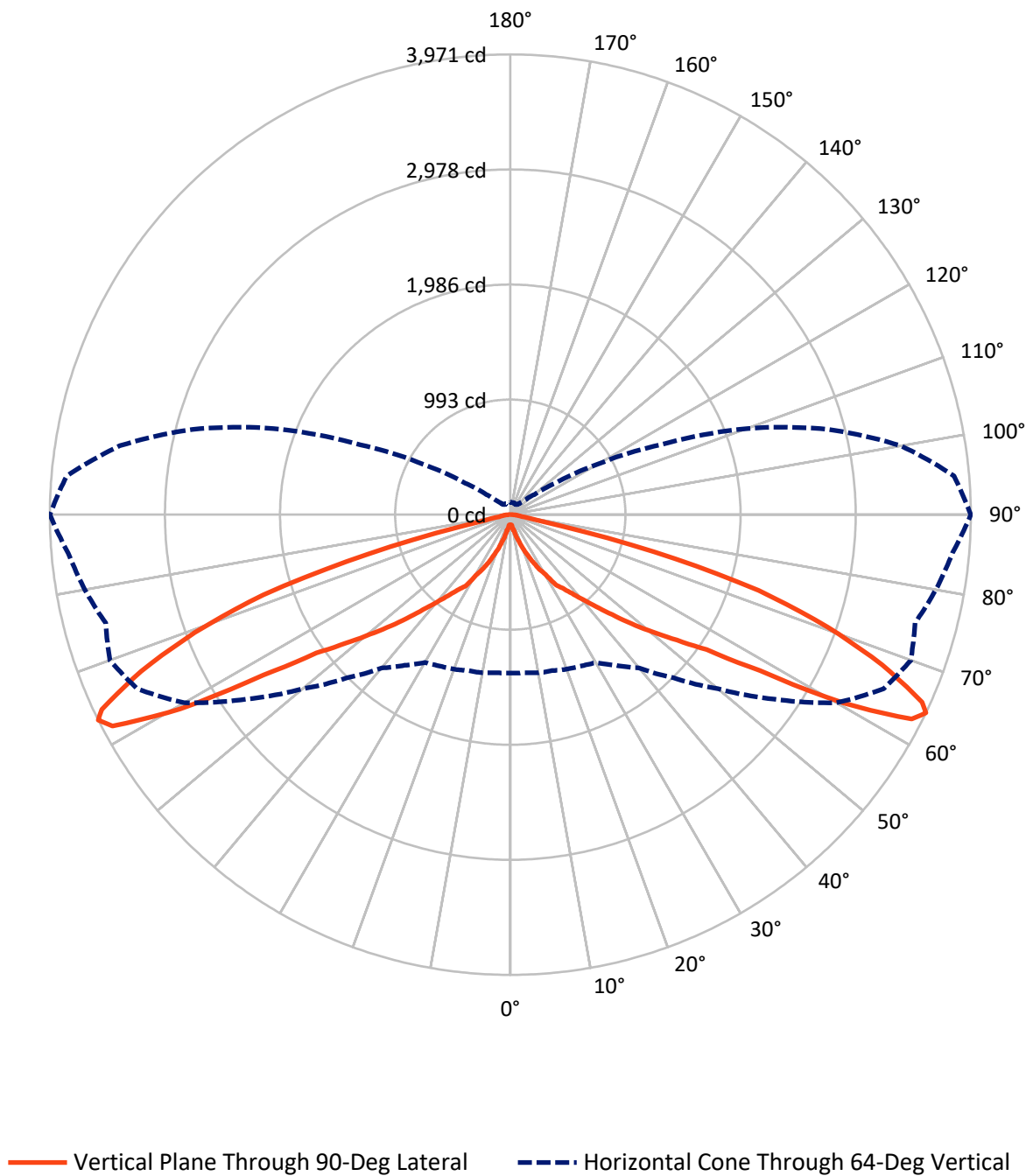


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P157159

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P157159

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

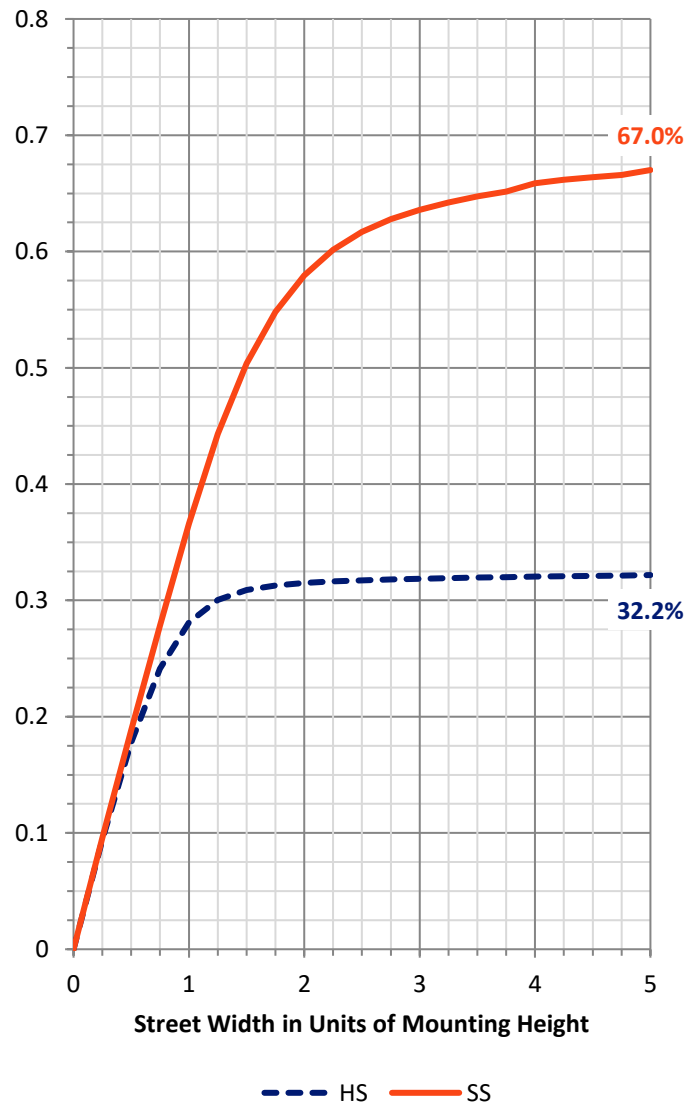
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1600.2	0.0	1600.2
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	3323.7	0.0	3323.7
	% Fixture	67.5	0.0	67.5
Total	Lumens	4923.8	0.0	4923.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.2
10°-20°	64.7	1.3
20°-30°	190.6	3.9
30°-40°	402.9	8.2
40°-50°	706.3	14.3
50°-60°	1124.8	22.8
60°-70°	1577.4	32.0
70°-80°	714.5	14.5
80°-90°	130.5	2.7
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°	4923.8	100.0
0°-180°	4923.8	100.0

Coefficient of Utilization



REPORT NUMBER: P157159

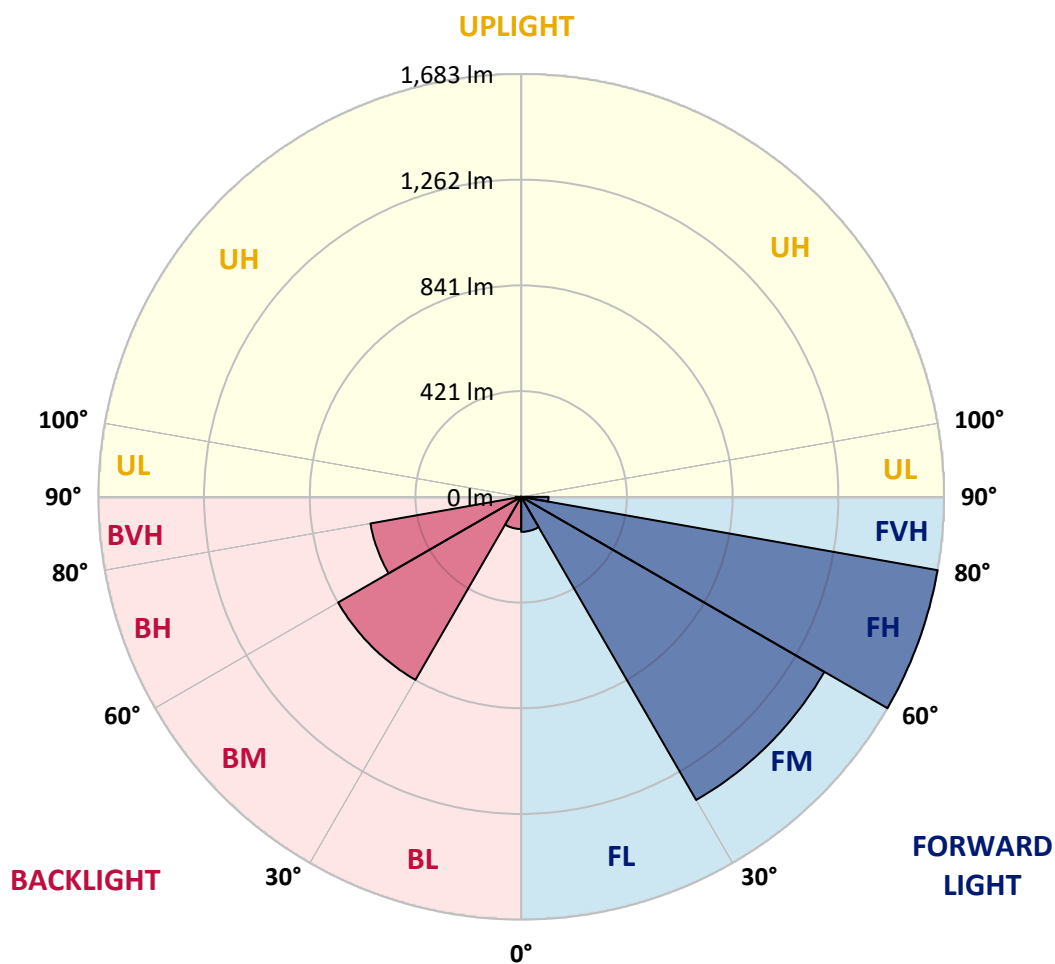
CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.3	2.8			
FM	(30°-60°)	1393.0	28.3			
FH	(60°-80°)	1682.6	34.2			G1/1800
FVH	(80°-90°)	108.7	2.2			G2/225
BL	(0°-30°)	128.1	2.6	B1/500		
BM	(30°-60°)	841.0	17.1	B1/1000		
BH	(60°-80°)	609.3	12.4	B2/1000		G2/1000
BVH	(80°-90°)	21.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P157159

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	142.5	144.3	143.4	144.3	145.2	144.3	144.3	143.4	144.3	145.2	145.2
5°	116.0	116.9	116.9	116.0	116.9	116.9	116.9	116.9	116.9	116.9	116.9
7.5°	173.5	174.4	175.4	173.5	173.5	174.4	172.6	148.0	119.6	117.8	116.0
10°	173.5	174.4	174.4	172.6	173.5	174.4	174.4	173.5	168.1	167.1	167.1
12.5°	222.9	223.8	224.7	224.7	224.7	218.3	210.1	176.3	171.7	216.5	220.1
15°	225.6	225.6	225.6	221.9	221.9	218.3	221.0	261.2	258.5	227.4	223.8
17.5°	277.7	277.7	277.7	276.7	270.4	270.4	272.2	263.0	264.0	264.9	312.4
20°	337.9	339.8	315.1	288.6	278.6	310.5	311.5	306.0	336.1	299.6	315.1
22.5°	353.5	353.5	352.6	344.3	346.2	368.1	354.4	342.5	349.8	330.6	357.1
25°	420.1	420.1	414.7	407.4	396.4	386.3	397.3	395.5	379.0	377.2	421.1
27.5°	450.3	437.5	434.8	425.6	450.3	444.8	453.9	412.8	447.5	439.3	463.1
30°	517.0	516.0	506.9	515.1	515.1	494.1	477.7	496.9	504.2	488.6	542.5
32.5°	611.9	611.0	600.1	593.7	548.9	544.4	554.4	557.1	556.2	560.8	577.2
35°	715.2	714.2	654.0	642.1	625.6	622.0	621.1	606.5	623.8	601.9	645.7
37.5°	783.7	791.0	756.3	748.0	727.0	703.3	684.1	693.2	672.2	669.5	701.5
40°	920.7	923.4	892.3	866.8	848.5	794.6	775.4	770.0	762.6	753.5	796.4
42.5°	1049.4	1045.8	1018.4	998.3	975.5	923.4	867.7	861.3	859.5	851.2	888.7
45°	1174.6	1177.3	1145.3	1136.2	1099.7	1066.8	990.1	991.0	985.5	976.4	1010.2
47.5°	1288.7	1295.1	1277.8	1249.5	1220.2	1193.7	1135.3	1131.6	1118.9	1121.6	1161.8
50°	1384.6	1396.5	1380.1	1359.1	1332.6	1314.3	1280.5	1272.3	1265.0	1272.3	1316.1
52.5°	1450.4	1460.4	1466.8	1440.4	1440.4	1416.6	1405.6	1397.4	1400.2	1422.1	1474.1
55°	1483.3	1492.4	1506.1	1487.8	1528.0	1493.3	1483.3	1495.2	1513.4	1552.7	1626.7
57.5°	1483.3	1488.8	1506.1	1509.8	1533.5	1508.9	1527.1	1552.7	1592.0	1660.5	1764.6
60°	1452.2	1456.8	1477.8	1480.5	1502.5	1497.0	1512.5	1585.6	1643.1	1756.4	1923.5
62.5°	1402.9	1405.6	1425.7	1431.2	1454.1	1465.0	1488.8	1594.7	1697.0	1894.3	2162.8
64°	1367.3	1369.1	1385.6	1393.8	1419.3	1440.4	1473.2	1587.4	1727.1	1991.1	2338.2
65°	1342.6	1342.6	1362.7	1366.4	1391.9	1419.3	1455.0	1570.0	1729.0	2027.6	2414.0
67.5°	1245.8	1241.2	1261.3	1270.5	1280.5	1302.4	1324.4	1444.0	1621.2	1970.1	2393.9
70°	1082.3	1071.4	1081.4	1074.1	1068.6	1058.6	1047.6	1130.7	1256.8	1607.5	2027.6
72.5°	759.0	759.0	750.8	768.1	780.9	793.7	749.9	759.9	828.4	1054.9	1429.4
75°	509.6	515.1	529.7	571.8	612.9	650.3	664.9	665.8	608.3	625.6	867.7
77.5°	302.3	314.2	325.2	374.5	427.4	506.0	575.4	643.0	658.5	649.4	628.4
80°	136.1	139.7	155.3	174.4	207.3	261.2	362.6	470.4	592.8	654.0	641.2
82.5°	46.6	51.1	61.2	73.1	86.8	110.5	164.4	221.9	338.9	480.4	597.3
85°	15.5	17.4	23.7	32.9	36.5	42.0	55.7	82.2	134.3	189.1	359.9
87.5°	6.4	8.2	11.0	16.4	18.3	18.3	19.2	24.7	24.7	24.7	98.6
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: P157159

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	119.6	110.5	97.7	95.0	91.3	90.4	89.5	89.5	88.6	89.5	89.5
5°	127.9	135.2	140.7	137.0	101.4	96.8	89.5	88.6	89.5	89.5	94.1
7.5°	116.0	116.0	110.5	127.0	127.9	95.0	87.7	89.5	90.4	91.3	105.9
10°	125.1	158.9	158.0	160.7	183.6	179.9	134.3	131.5	132.4	138.8	183.6
12.5°	222.9	206.4	162.6	169.9	168.1	186.3	143.4	137.9	141.6	176.3	171.7
15°	223.8	256.7	262.1	231.1	219.2	232.0	209.2	199.1	192.7	229.3	197.3
17.5°	265.8	263.0	268.5	247.5	233.8	230.2	252.1	246.6	236.6	220.1	204.6
20°	294.1	314.2	320.6	361.7	337.0	327.0	334.3	315.1	304.1	308.7	307.8
22.5°	360.8	389.1	368.1	376.3	383.6	409.2	400.0	370.8	378.1	380.0	368.1
25°	381.8	428.4	458.5	474.0	479.5	463.1	485.9	452.1	463.1	447.5	458.5
27.5°	473.1	475.9	499.6	494.1	531.6	550.8	549.8	531.6	536.1	545.3	557.1
30°	499.6	509.6	557.1	573.6	594.6	609.2	591.9	599.2	585.5	604.6	607.4
32.5°	582.7	573.6	590.9	660.4	708.8	733.4	708.8	723.4	707.8	714.2	682.3
35°	632.0	675.0	686.8	719.7	756.3	791.0	783.7	780.9	779.1	791.9	725.2
37.5°	733.4	742.6	748.9	791.0	823.8	869.5	871.3	861.3	878.6	842.1	784.6
40°	800.1	814.7	822.9	851.2	917.9	954.5	981.9	961.8	986.4	913.4	872.2
42.5°	899.7	893.3	907.9	951.7	1033.9	1055.8	1094.2	1081.4	1118.9	1040.3	959.0
45°	1030.3	1024.8	1027.5	1055.8	1167.3	1182.8	1221.1	1231.2	1249.5	1151.7	1068.6
47.5°	1177.3	1180.0	1180.0	1208.4	1299.7	1330.8	1374.6	1404.7	1398.3	1270.5	1187.4
50°	1342.6	1355.4	1336.2	1375.5	1444.0	1499.7	1524.4	1589.2	1565.5	1435.8	1343.5
52.5°	1525.3	1546.3	1528.9	1561.8	1626.7	1697.0	1738.1	1799.3	1758.2	1649.5	1486.9
55°	1706.1	1742.7	1762.8	1798.4	1881.5	1948.2	1966.4	2053.2	1995.7	1888.8	1644.0
57.5°	1896.1	1973.8	2045.9	2094.3	2234.1	2311.7	2351.0	2539.1	2468.8	2355.5	1977.4
60°	2141.8	2377.5	2573.8	2682.5	2867.0	2946.5	3103.6	3302.7	3252.4	3085.3	2574.7
62.5°	2544.6	2963.8	3263.4	3403.1	3447.0	3550.2	3697.2	3885.4	3807.8	3422.3	2888.9
64°	2774.8	3247.9	3552.0	3675.3	3613.2	3726.5	3826.9	3971.2	3840.6	3419.6	2840.5
65°	2872.5	3353.8	3645.2	3762.1	3637.0	3730.1	3813.2	3903.7	3740.2	3330.1	2721.8
67.5°	2897.1	3361.1	3621.4	3690.8	3483.5	3456.1	3469.8	3460.7	3241.5	2867.0	2324.5
70°	2526.3	2971.1	3335.6	3424.2	3146.5	2999.4	2992.1	2904.5	2681.6	2386.6	1914.4
72.5°	1950.9	2339.1	2699.9	2819.5	2557.4	2441.4	2414.0	2241.4	2056.0	1782.9	1442.2
75°	1321.6	1635.8	1740.8	1748.2	1538.1	1476.0	1435.8	1279.6	1118.9	1001.9	845.8
77.5°	776.3	906.0	810.1	713.3	559.0	396.4	295.0	245.7	268.5	267.6	252.1
80°	656.7	616.5	498.7	386.3	277.7	157.1	114.2	96.8	98.6	100.5	98.6
82.5°	706.0	751.7	637.5	453.0	339.8	200.0	96.8	69.4	79.5	87.7	84.0
85°	598.2	733.4	683.2	489.6	364.4	210.1	68.5	45.7	58.5	72.2	76.7
87.5°	232.0	338.9	274.9	189.1	127.0	70.3	40.2	32.9	41.1	57.5	63.0
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: P157159

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	90.4	93.2	97.7	97.7	95.0	97.7	110.5	126.0	135.2	142.5	150.7
5°	94.1	123.3	143.4	146.1	142.5	103.2	95.9	95.9	99.6	103.2	95.0
7.5°	131.5	125.1	87.7	93.2	94.1	95.0	94.1	96.8	97.7	129.7	148.0
10°	149.8	136.1	132.4	110.5	103.2	144.3	144.3	145.2	150.7	151.6	150.7
12.5°	146.1	139.7	140.7	187.2	201.9	192.7	156.2	144.3	150.7	172.6	193.6
15°	195.5	208.2	221.0	193.6	202.8	196.4	231.1	240.2	198.2	195.5	201.9
17.5°	208.2	251.2	253.0	242.0	273.1	243.9	237.5	240.2	236.6	219.2	247.5
20°	343.4	319.7	297.8	273.1	295.9	286.8	281.3	284.1	281.3	282.2	249.3
22.5°	364.4	354.4	373.6	363.5	342.5	319.7	328.8	323.3	293.2	325.2	300.5
25°	474.0	466.7	425.6	379.0	411.0	363.5	341.6	363.5	358.0	333.4	333.4
27.5°	498.7	496.9	489.6	497.8	437.5	411.9	438.4	375.4	379.0	387.3	385.4
30°	577.2	576.3	515.1	522.4	518.8	474.0	456.7	463.1	420.1	412.8	429.3
32.5°	661.3	606.5	590.0	595.5	552.6	523.3	514.2	478.6	462.2	453.9	427.4
35°	697.8	696.0	681.4	629.3	612.9	558.1	549.8	508.7	493.2	487.7	474.0
37.5°	746.2	744.4	728.9	701.5	662.2	597.3	569.0	541.6	506.9	485.0	502.3
40°	811.1	797.4	781.8	737.1	683.2	624.7	584.5	537.0	515.1	494.1	518.8
42.5°	926.1	864.9	826.6	770.0	697.8	627.5	582.7	537.0	495.0	488.6	492.3
45°	1027.5	929.8	864.0	791.0	704.2	622.0	565.4	513.3	484.1	459.4	458.5
47.5°	1116.1	1003.8	898.7	807.4	700.5	607.4	539.8	484.1	447.5	423.8	412.8
50°	1199.2	1081.4	934.4	812.9	685.0	579.1	503.3	443.9	398.2	371.7	369.0
52.5°	1282.3	1136.2	964.5	804.7	654.9	536.1	450.3	387.3	337.9	316.0	311.5
55°	1400.2	1167.3	980.0	775.4	607.4	477.7	387.3	320.6	271.3	260.3	253.9
57.5°	1647.7	1268.6	995.6	729.8	537.0	401.9	313.3	255.7	219.2	208.2	202.8
60°	2045.9	1462.3	1031.2	660.4	441.1	316.9	239.3	191.8	167.1	160.7	158.0
62.5°	2233.1	1513.4	976.4	555.3	337.9	225.6	168.1	135.2	122.4	120.6	122.4
64°	2173.8	1426.7	870.4	474.0	269.4	174.4	129.7	107.8	100.5	99.6	103.2
65°	2068.7	1328.0	790.0	418.3	223.8	144.3	108.7	93.2	87.7	89.5	92.2
67.5°	1708.9	1026.6	535.2	250.3	129.7	88.6	74.0	66.7	67.6	69.4	73.1
70°	1334.4	687.8	291.4	129.7	77.6	60.3	55.7	53.0	54.8	57.5	61.2
72.5°	915.2	384.5	138.8	74.0	57.5	48.4	47.5	46.6	48.4	51.1	54.8
75°	479.5	160.7	78.5	58.5	50.2	43.8	44.8	43.8	45.7	48.4	51.1
77.5°	151.6	86.8	65.8	53.9	47.5	41.1	42.0	42.9	44.8	46.6	48.4
80°	82.2	72.2	59.4	50.2	44.8	38.4	40.2	41.1	43.8	44.8	44.8
82.5°	74.9	63.0	52.1	45.7	42.9	37.4	41.1	41.1	41.1	41.1	41.1
85°	65.8	51.1	42.9	40.2	40.2	35.6	38.4	38.4	36.5	36.5	34.7
87.5°	51.1	37.4	36.5	40.2	37.4	25.6	32.9	31.1	28.3	28.3	27.4
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: P157159

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	90.4	90.4	90.4	90.4
2.5°	149.8	150.7	147.0	147.0
5°	94.1	95.0	94.1	94.1
7.5°	153.4	151.6	157.1	151.6
10°	154.4	149.8	148.9	149.8
12.5°	200.9	200.9	201.9	201.9
15°	200.9	200.0	201.9	200.9
17.5°	252.1	253.9	254.8	253.9
20°	254.8	255.7	263.0	257.6
22.5°	302.3	307.8	307.8	306.9
25°	315.1	355.3	363.5	362.6
27.5°	361.7	366.3	367.2	366.3
30°	411.9	413.7	418.3	416.5
32.5°	433.8	463.1	468.5	466.7
35°	470.4	462.2	481.3	500.5
37.5°	492.3	489.6	494.1	493.2
40°	512.4	517.0	522.4	517.9
42.5°	493.2	490.5	493.2	491.4
45°	453.9	454.8	453.0	451.2
47.5°	404.6	404.6	402.8	402.8
50°	352.6	354.4	347.1	348.0
52.5°	297.8	299.6	294.1	288.6
55°	246.6	247.5	240.2	238.4
57.5°	199.1	201.9	195.5	192.7
60°	158.0	158.9	157.1	157.1
62.5°	125.1	123.3	121.5	122.4
64°	105.9	106.9	104.1	105.9
65°	95.0	96.8	95.0	96.8
67.5°	75.8	78.5	77.6	78.5
70°	64.8	65.8	64.8	64.8
72.5°	57.5	58.5	56.6	55.7
75°	53.9	53.0	52.1	51.1
77.5°	49.3	49.3	47.5	46.6
80°	43.8	42.9	41.1	39.3
82.5°	40.2	38.4	33.8	31.1
85°	33.8	31.1	25.6	20.1
87.5°	27.4	24.7	15.5	8.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)