

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: P157137

Luminaire Tested: **UTLD-F02-LED-E-U-T2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157137
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33661)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-T2-7060
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (14) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4536.6 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 55
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



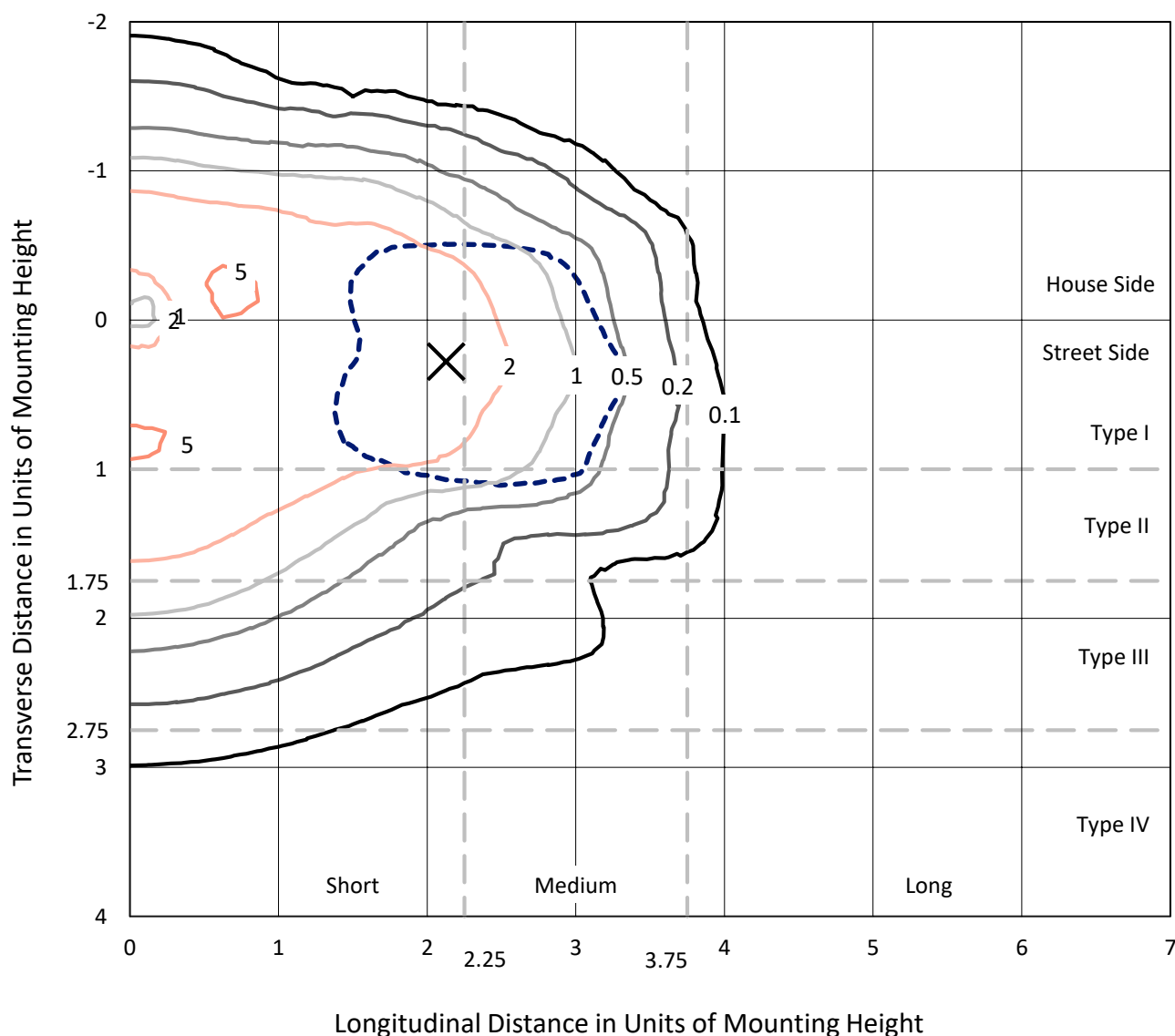
REPORT NUMBER: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

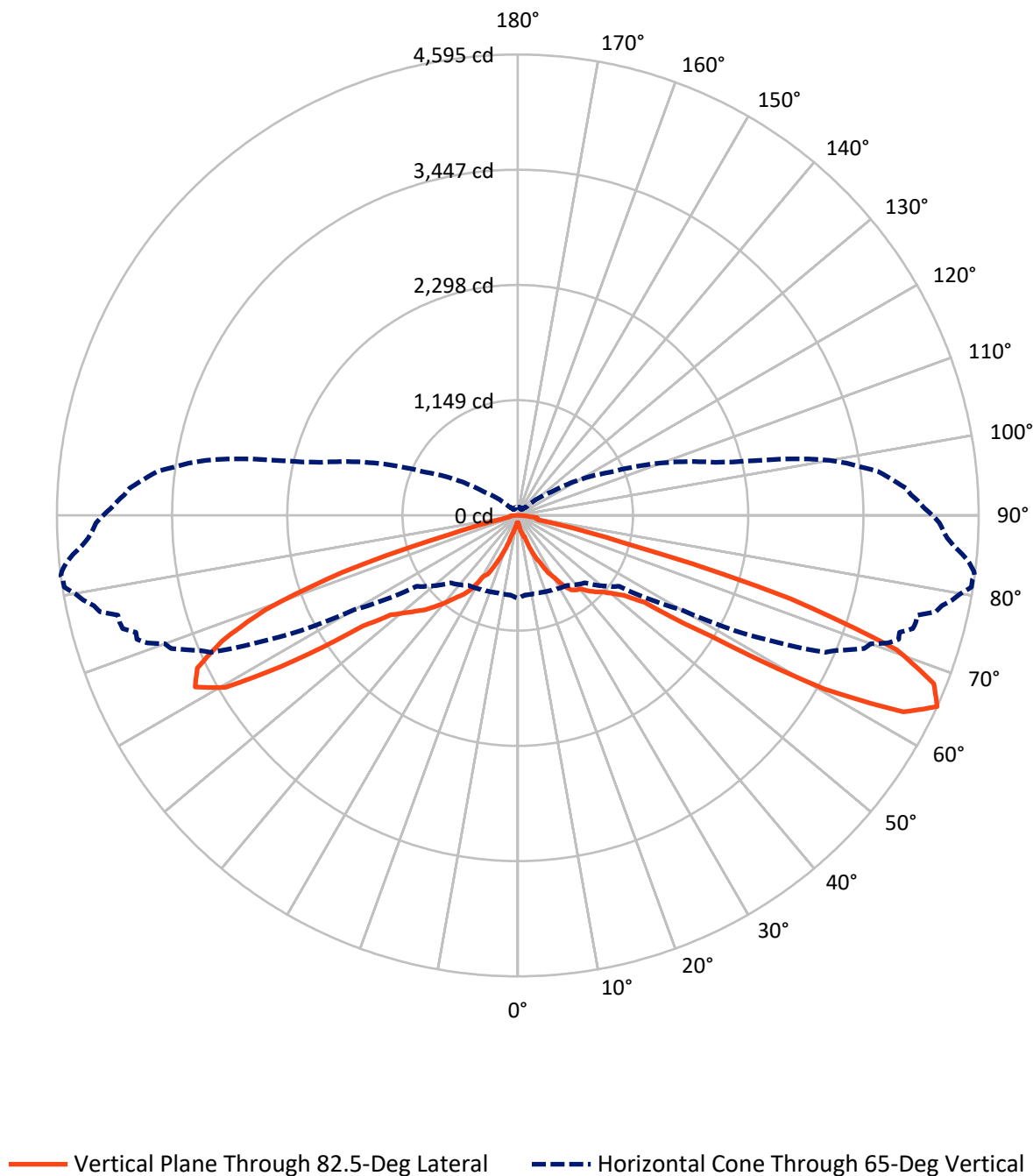


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type II - Short - Semi-Cutoff

REPORT NUMBER: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

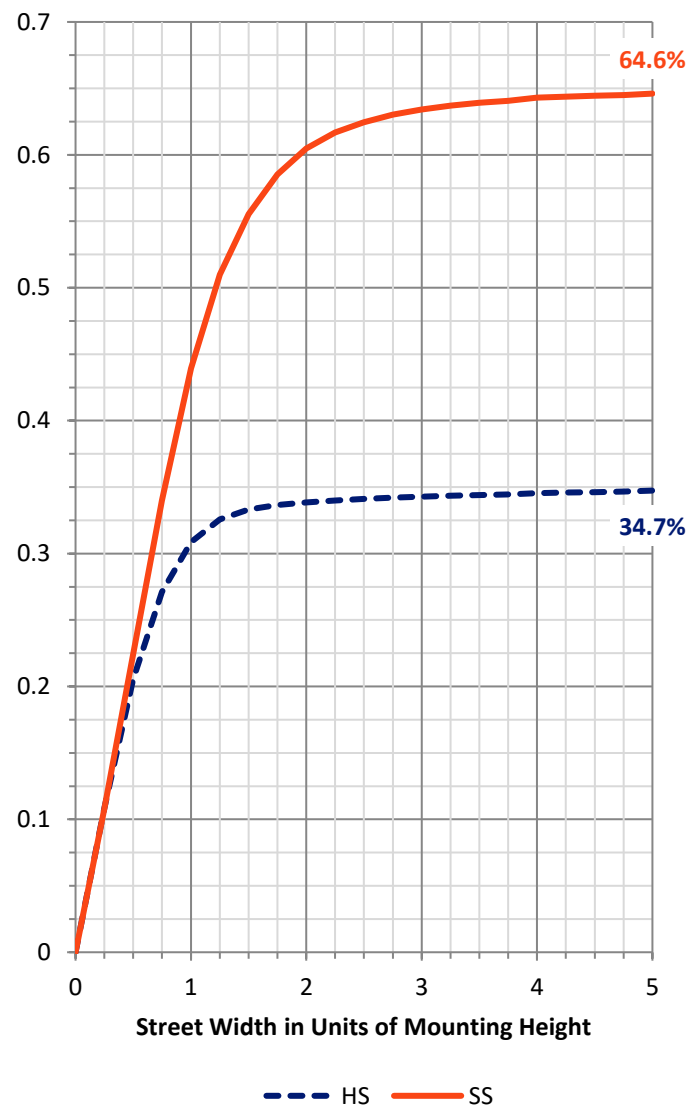
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1598.7	0.0	1598.7
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	2937.9	0.0	2937.9
	% Fixture	64.8	0.0	64.8
Total	Lumens	4536.6	0.0	4536.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	66.9	1.5
20°-30°	224.2	4.9
30°-40°	494.8	10.9
40°-50°	782.0	17.2
50°-60°	1109.4	24.5
60°-70°	1319.9	29.1
70°-80°	446.3	9.8
80°-90°	82.8	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°	4536.6	100.0
0°-180°	4536.6	100.0

Coefficient of Utilization



REPORT NUMBER: P157137

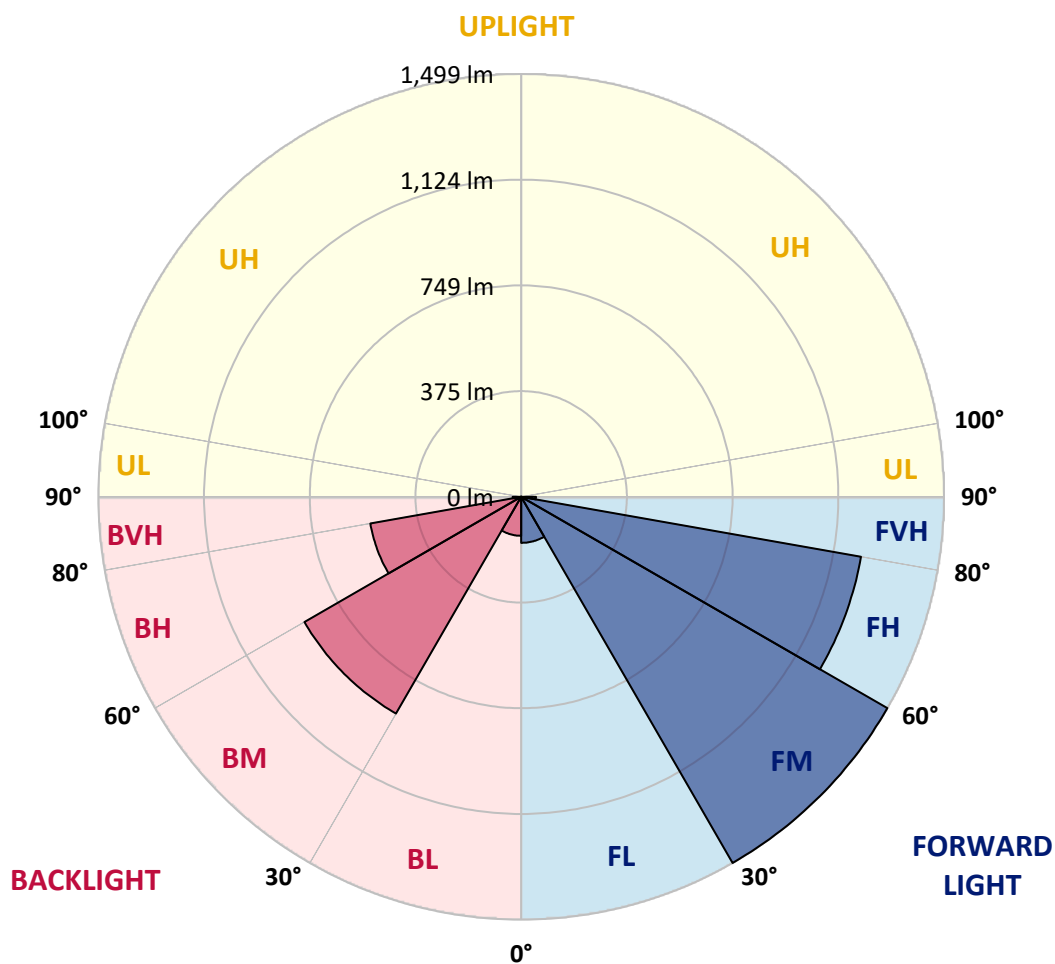
CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.2	3.6			
FM	(30°-60°)	1498.9	33.0			
FH	(60°-80°)	1223.2	27.0			G1/1800
FVH	(80°-90°)	52.5	1.2			G1/100
BL	(0°-30°)	138.2	3.0	B1/500		
BM	(30°-60°)	887.2	19.6	B1/1000		
BH	(60°-80°)	543.0	12.0	B2/1000		G2/1000
BVH	(80°-90°)	30.3	0.7			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 II Short





REPORT NUMBER: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	103.3	103.3	103.3	108.4	121.1	121.1	120.3	121.1	119.4	117.7	115.2
5°	107.6	110.1	108.4	107.6	105.9	105.0	104.2	103.3	103.3	105.0	109.3
7.5°	164.3	165.2	164.3	166.0	160.9	116.0	108.4	107.6	110.1	111.0	109.3
10°	195.7	183.0	178.7	175.3	171.1	163.5	162.6	158.4	156.7	155.9	151.6
12.5°	249.9	249.9	248.2	237.2	226.2	220.2	225.3	213.5	211.8	206.7	191.4
15°	329.5	328.7	272.8	260.1	292.2	277.8	234.6	248.2	261.7	260.1	260.9
17.5°	352.4	352.4	348.1	334.6	315.1	295.6	317.7	277.8	277.0	277.8	282.1
20°	437.1	437.1	420.1	390.5	372.7	353.2	340.5	371.9	361.7	354.1	348.1
22.5°	440.5	440.5	428.6	451.5	420.1	401.5	435.4	442.2	450.6	451.5	442.2
25°	509.1	509.9	498.1	464.2	469.3	460.0	478.6	524.3	524.3	516.7	538.7
27.5°	581.1	581.9	508.2	522.6	505.7	539.6	589.6	612.4	595.5	601.4	603.1
30°	615.0	615.8	611.6	606.5	586.2	599.7	625.1	646.3	657.3	698.0	685.3
32.5°	759.0	759.8	732.7	670.0	681.9	707.3	718.3	723.4	736.1	742.9	742.9
35°	930.1	927.5	878.4	823.4	787.8	782.7	796.3	839.5	861.5	840.3	849.6
37.5°	1067.3	1055.5	1000.4	964.8	926.7	916.5	927.5	921.6	923.3	896.2	896.2
40°	1162.2	1163.0	1132.5	1102.0	1044.4	1062.2	1031.7	1023.3	1000.4	995.3	973.3
42.5°	1262.1	1266.4	1227.4	1189.3	1135.1	1183.4	1156.3	1143.6	1092.7	1107.1	1079.2
45°	1366.3	1369.7	1324.8	1272.3	1224.9	1298.6	1292.6	1271.5	1245.2	1247.7	1218.1
47.5°	1443.4	1450.2	1399.4	1337.5	1305.3	1392.6	1422.2	1420.5	1417.2	1393.4	1381.6
50°	1488.3	1492.5	1436.6	1390.9	1351.1	1462.9	1556.1	1571.3	1598.4	1551.8	1583.2
52.5°	1502.7	1505.3	1449.3	1399.4	1361.3	1501.9	1657.7	1741.6	1761.1	1752.6	1801.7
55°	1462.9	1466.3	1424.8	1379.9	1346.0	1507.8	1739.0	1902.5	1914.4	1939.0	2037.2
57.5°	1397.7	1396.0	1387.5	1340.1	1336.7	1502.7	1806.8	2107.5	2114.3	2233.7	2409.9
60°	1313.8	1317.2	1313.0	1288.4	1303.6	1448.5	1792.4	2222.7	2301.5	2485.3	2764.0
62.5°	1182.5	1188.4	1170.7	1136.8	1148.6	1261.3	1623.0	2169.4	2353.2	2592.1	2930.9
65°	826.7	797.1	798.8	819.1	853.9	950.4	1233.3	1878.8	2168.5	2447.2	2893.6
67.5°	476.1	484.5	483.7	504.0	546.4	622.6	788.6	1257.9	1519.7	1843.2	2404.0
70°	365.9	365.9	377.8	404.9	431.2	519.3	566.7	681.0	801.3	1019.0	1539.1
72.5°	275.3	274.5	285.5	310.9	363.4	475.2	663.3	471.0	487.1	529.4	832.7
75°	160.1	155.9	160.1	177.9	221.9	354.9	670.9	524.3	500.6	470.1	523.5
77.5°	83.0	83.0	87.2	91.5	113.5	182.1	483.7	640.4	620.1	568.4	533.7
80°	47.4	49.1	52.5	52.5	55.1	75.4	210.1	626.8	692.1	708.2	694.6
82.5°	23.7	27.1	37.3	37.3	36.4	38.1	78.8	367.6	500.6	620.9	836.9
85°	13.6	14.4	24.6	27.1	26.3	22.9	36.4	164.3	220.2	320.2	478.6
87.5°	5.1	7.6	11.9	13.6	15.2	11.9	21.2	46.6	62.7	86.4	105.9
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: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	115.2	111.0	112.7	108.4	100.8	97.4	96.6	95.7	94.9	89.8	89.8
5°	112.7	113.5	116.0	116.9	116.9	117.7	119.4	118.6	119.4	117.7	116.9
7.5°	107.6	105.0	102.5	100.8	100.8	100.8	100.8	101.6	105.0	110.1	112.7
10°	150.8	150.8	151.6	149.9	152.5	151.6	151.6	150.8	150.8	151.6	151.6
12.5°	167.7	162.6	161.8	160.1	160.9	160.1	160.9	165.2	164.3	165.2	163.5
15°	266.0	265.1	264.3	260.1	246.5	234.6	232.1	230.4	221.1	217.7	216.0
17.5°	281.2	277.0	281.2	279.5	275.3	271.1	267.7	260.9	241.4	241.4	238.9
20°	354.1	364.2	367.6	386.3	383.7	390.5	390.5	388.0	388.8	386.3	376.1
22.5°	430.3	420.1	414.2	423.5	425.2	421.0	430.3	428.6	449.8	439.6	468.4
25°	541.3	563.3	576.9	564.2	558.2	560.8	568.4	559.1	564.2	560.8	562.5
27.5°	604.0	615.0	607.4	606.5	609.9	612.4	601.4	601.4	600.6	621.8	642.1
30°	703.1	693.8	693.8	698.8	706.5	706.5	697.1	694.6	703.9	695.4	705.6
32.5°	740.3	735.3	753.1	811.5	814.0	802.2	803.0	814.0	814.9	826.7	828.4
35°	839.5	853.9	864.0	866.6	856.4	855.5	866.6	872.5	884.3	885.2	895.4
37.5°	906.4	912.3	913.1	909.8	894.5	904.7	910.6	918.2	918.2	926.7	922.5
40°	980.9	983.5	982.6	955.5	951.3	963.1	966.5	964.0	963.1	964.8	961.4
42.5°	1078.3	1073.2	1047.8	1027.5	1031.7	1031.7	1026.7	1014.8	1020.7	1008.0	1002.1
45°	1205.4	1192.7	1152.0	1134.2	1135.1	1119.0	1099.5	1097.0	1080.9	1065.6	1080.0
47.5°	1377.3	1337.5	1297.7	1281.6	1264.7	1239.3	1206.2	1193.5	1169.0	1155.4	1157.1
50°	1583.2	1523.9	1497.6	1501.0	1467.1	1419.7	1392.6	1353.6	1308.7	1304.5	1285.9
52.5°	1785.6	1753.4	1761.1	1758.5	1717.0	1673.0	1649.3	1618.8	1569.6	1547.6	1495.1
55°	1994.9	2011.0	2055.9	2054.2	2033.8	2027.9	2016.0	1989.8	1997.4	1941.5	1876.3
57.5°	2394.7	2475.2	2582.7	2624.2	2620.0	2636.9	2678.5	2723.3	2758.1	2714.0	2720.8
60°	2873.3	3042.7	3202.8	3273.9	3394.2	3450.1	3543.3	3664.4	3746.6	3685.6	3790.7
62.5°	3117.2	3360.3	3482.3	3565.3	3724.6	3804.2	3926.2	4063.4	4097.3	4143.9	4260.8
65°	3142.7	3356.1	3444.2	3573.8	3700.9	3744.1	3905.9	3994.0	3981.3	4097.3	4110.0
67.5°	2761.5	2943.6	3083.4	3273.9	3370.5	3470.5	3604.3	3621.2	3674.6	3768.6	3702.6
70°	1961.8	2256.6	2445.5	2665.7	2818.2	2979.2	3106.2	3117.2	3203.6	3233.3	3199.4
72.5°	1061.4	1349.4	1576.4	1847.5	2026.2	2210.0	2325.2	2392.1	2426.0	2381.1	2465.8
75°	598.0	715.8	862.3	1002.9	1144.4	1214.7	1268.1	1293.5	1237.6	1220.6	1218.9
77.5°	505.7	499.8	511.6	486.2	493.0	475.2	478.6	435.4	405.7	426.9	425.2
80°	620.9	565.0	499.8	411.7	352.4	299.9	270.2	261.7	272.8	301.6	321.9
82.5°	825.1	814.9	707.3	594.6	499.8	399.8	323.6	279.5	284.6	304.1	341.4
85°	566.7	591.3	524.3	491.3	404.1	338.8	279.5	224.5	205.8	196.5	187.2
87.5°	114.4	100.0	89.8	84.7	73.7	65.2	58.4	53.4	54.2	50.8	50.0
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: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	84.7	80.5	81.3	78.8	77.1	76.2	78.8	78.8	77.9	77.1	73.7
5°	115.2	114.4	111.0	106.7	101.6	92.3	87.2	83.0	80.5	79.6	77.9
7.5°	114.4	113.5	112.7	112.7	112.7	111.8	111.8	109.3	106.7	99.1	82.2
10°	151.6	155.9	165.2	170.3	170.3	169.4	164.3	163.5	162.6	161.8	155.0
12.5°	163.5	159.3	159.3	160.1	166.0	172.0	175.3	173.7	173.7	173.7	171.1
15°	215.2	215.2	214.3	214.3	214.3	216.0	215.2	220.2	223.6	221.9	222.8
17.5°	238.9	242.3	240.6	240.6	235.5	226.2	244.0	222.8	221.9	249.9	273.6
20°	361.7	360.9	355.8	354.1	350.7	349.0	351.5	352.4	353.2	352.4	357.5
22.5°	465.9	451.5	440.5	437.9	449.0	453.2	448.1	449.0	445.6	446.4	438.8
25°	566.7	554.0	566.7	553.1	543.8	534.5	533.7	528.6	535.4	538.7	548.9
27.5°	656.5	663.3	662.4	670.0	658.2	648.0	648.9	644.6	652.2	660.7	651.4
30°	707.3	713.2	709.8	700.5	704.8	707.3	723.4	720.9	717.5	698.8	690.4
32.5°	835.2	832.7	825.9	831.8	851.3	861.5	836.1	830.1	831.0	842.0	835.2
35°	890.3	890.3	892.0	918.2	925.0	906.4	905.5	910.6	921.6	901.3	889.4
37.5°	918.2	924.2	947.0	953.8	933.5	933.5	948.7	944.5	935.2	932.6	943.6
40°	959.7	984.3	991.9	971.6	972.4	986.8	971.6	960.6	968.2	993.6	994.5
42.5°	1025.0	1035.1	1013.9	1010.6	1030.9	1013.1	1013.1	1028.3	1037.7	1036.0	1045.3
45°	1088.5	1069.9	1057.2	1075.8	1063.1	1048.7	1082.6	1086.0	1086.0	1095.3	1108.8
47.5°	1148.6	1118.1	1130.8	1123.2	1095.3	1134.2	1141.9	1141.0	1146.1	1162.2	1158.0
50°	1237.6	1216.4	1212.2	1173.2	1196.9	1212.2	1211.3	1221.5	1230.8	1225.7	1263.0
52.5°	1419.7	1412.1	1340.9	1317.2	1329.1	1315.5	1329.1	1322.3	1321.4	1352.8	1355.3
55°	1814.4	1771.2	1646.7	1641.6	1577.3	1523.9	1541.7	1524.7	1532.4	1552.7	1567.1
57.5°	2718.3	2590.4	2555.6	2537.8	2411.6	2267.6	2252.4	2272.7	2270.2	2238.0	2291.3
60°	3792.4	3702.6	3798.3	3728.8	3630.6	3583.1	3513.7	3511.1	3481.5	3456.9	3401.0
62.5°	4185.4	4298.9	4388.7	4392.1	4414.1	4389.5	4354.8	4313.3	4319.2	4250.6	4228.6
65°	4109.2	4276.9	4323.5	4415.0	4483.6	4578.4	4580.1	4595.4	4581.8	4527.6	4451.4
67.5°	3855.0	3935.5	3987.2	4095.6	4232.0	4357.4	4459.9	4475.1	4484.4	4453.1	4340.4
70°	3347.6	3381.5	3454.4	3563.6	3728.8	3853.3	3993.1	4007.5	4037.2	4004.1	3925.3
72.5°	2478.5	2468.4	2506.5	2581.9	2659.8	2746.2	2835.2	2841.1	2906.3	2841.1	2750.5
75°	1152.0	1122.4	1097.8	1093.6	1102.9	1128.3	1125.8	1091.9	1082.6	1005.5	950.4
77.5°	394.7	384.6	364.2	332.9	297.3	254.1	222.8	207.5	193.1	172.0	164.3
80°	348.1	371.0	368.5	343.9	302.4	253.3	206.7	183.8	164.3	132.1	119.4
82.5°	401.5	452.3	490.5	464.2	399.0	324.4	235.5	196.5	160.9	109.3	88.9
85°	192.3	189.7	208.4	177.0	167.7	122.8	92.3	77.9	71.2	58.4	54.2
87.5°	50.8	51.7	53.4	53.4	51.7	48.3	47.4	45.7	44.9	41.5	39.0
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: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	73.7	72.8	72.8	72.0	72.0	72.0	72.0	72.0	71.2	71.2	71.2
5°	78.8	78.8	77.9	75.4	73.7	73.7	72.8	72.8	72.0	72.0	72.0
7.5°	75.4	74.5	73.7	74.5	76.2	77.1	77.1	76.2	75.4	76.2	76.2
10°	131.3	122.0	119.4	118.6	116.9	116.9	116.0	114.4	111.8	111.0	111.0
12.5°	166.9	135.5	131.3	130.4	128.8	127.9	127.1	122.8	121.1	122.8	123.7
15°	221.9	210.1	184.7	185.5	186.4	185.5	185.5	183.8	181.3	178.7	178.7
17.5°	256.7	266.0	235.5	244.8	238.0	245.7	241.4	238.0	243.1	223.6	229.6
20°	354.9	354.9	341.4	321.0	323.6	327.0	331.2	330.4	326.1	318.5	315.1
22.5°	445.6	440.5	445.6	432.9	428.6	434.5	408.3	421.8	417.6	422.7	423.5
25°	553.1	554.8	537.0	521.8	509.1	510.8	521.0	518.4	505.7	509.9	522.6
27.5°	642.1	648.9	661.6	643.8	632.8	629.4	626.0	628.5	646.3	644.6	629.4
30°	698.8	689.5	687.0	695.4	709.8	698.8	713.2	691.2	684.4	705.6	704.8
32.5°	809.0	822.5	835.2	832.7	834.4	849.6	841.1	842.8	836.9	831.0	842.8
35°	903.8	904.7	896.2	908.1	904.7	908.9	919.9	920.8	924.2	922.5	923.3
37.5°	942.8	949.6	953.0	931.8	954.7	956.3	966.5	975.0	991.9	1004.6	1010.6
40°	1005.5	1001.2	993.6	1016.5	995.3	1008.9	1033.4	1049.5	1068.2	1093.6	1102.0
42.5°	1055.5	1055.5	1069.0	1063.1	1089.3	1084.3	1112.2	1139.3	1163.0	1169.0	1214.7
45°	1109.7	1135.1	1137.6	1151.2	1168.1	1199.5	1202.0	1224.0	1250.3	1283.3	1298.6
47.5°	1191.8	1194.4	1225.7	1243.5	1267.2	1294.3	1309.6	1317.2	1350.2	1377.3	1394.3
50°	1260.4	1303.6	1322.3	1351.1	1382.4	1396.0	1419.7	1438.3	1451.0	1468.8	1479.8
52.5°	1388.4	1417.2	1458.7	1486.6	1518.0	1540.8	1561.2	1595.0	1595.9	1594.2	1606.1
55°	1601.8	1661.1	1726.3	1747.5	1807.7	1836.5	1872.0	1892.4	1922.9	1892.4	1900.0
57.5°	2329.5	2424.3	2476.8	2547.2	2602.2	2643.7	2653.9	2678.5	2722.5	2717.4	2689.5
60°	3463.7	3474.7	3516.2	3569.6	3566.2	3614.5	3584.0	3621.2	3555.2	3547.6	3478.9
62.5°	4188.8	4166.8	4162.5	4156.6	4137.1	4101.5	4055.8	4019.4	3960.9	3876.2	3817.8
65°	4357.4	4288.7	4242.2	4205.7	4133.7	4057.5	3996.5	3928.7	3880.5	3792.4	3704.3
67.5°	4226.1	4142.2	4058.3	3949.1	3870.3	3776.3	3685.6	3626.3	3537.4	3488.3	3345.1
70°	3833.9	3683.1	3542.5	3401.0	3332.4	3206.2	3121.5	3078.3	2989.3	2935.1	2829.2
72.5°	2678.5	2556.5	2351.5	2243.9	2221.0	2129.5	2092.3	2071.9	2028.7	1979.6	1924.6
75°	904.7	863.2	811.5	707.3	736.1	695.4	669.2	707.3	692.9	693.8	666.6
77.5°	158.4	153.3	146.5	138.9	136.4	138.9	135.5	140.6	141.5	144.0	141.5
80°	113.5	107.6	103.3	100.0	97.4	98.3	95.7	96.6	95.7	96.6	95.7
82.5°	81.3	77.9	73.7	71.2	70.3	71.2	69.5	72.0	73.7	76.2	78.8
85°	50.8	50.0	47.4	46.6	46.6	45.7	46.6	50.0	53.4	57.6	60.1
87.5°	36.4	36.4	34.7	36.4	36.4	38.1	40.7	44.9	49.1	53.4	58.4
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: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	70.3	70.3	71.2	71.2
5°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	74.5	111.8
7.5°	75.4	75.4	75.4	74.5	74.5	74.5	75.4	76.2	75.4	106.7	72.8
10°	112.7	114.4	116.0	115.2	116.0	116.9	117.7	117.7	128.8	113.5	77.9
12.5°	124.5	124.5	125.4	124.5	123.7	135.5	160.1	160.1	160.9	125.4	124.5
15°	176.2	173.7	176.2	183.8	207.5	210.9	211.8	210.9	200.8	187.2	179.6
17.5°	211.8	201.6	212.6	232.1	210.9	210.1	197.4	188.1	191.4	233.8	242.3
20°	320.2	332.1	338.0	348.1	340.5	320.2	312.6	313.4	311.7	319.3	270.2
22.5°	418.5	433.7	432.0	427.8	415.9	428.6	433.7	401.5	395.6	421.0	436.2
25°	543.8	536.2	537.9	529.4	525.2	526.9	532.0	556.5	555.7	602.3	485.4
27.5°	649.7	659.9	653.1	653.9	669.2	659.0	676.0	676.0	710.7	658.2	650.6
30°	693.8	703.9	723.4	728.5	743.7	753.1	751.4	757.3	759.8	795.4	709.8
32.5°	865.7	855.5	870.8	893.7	902.1	909.8	933.5	930.9	917.4	881.0	810.7
35°	944.5	966.5	966.5	969.1	1006.3	1008.9	1006.3	1020.7	1009.7	986.0	854.7
37.5°	1022.4	1030.9	1058.0	1062.2	1056.3	1084.3	1085.1	1077.5	1088.5	1045.3	936.0
40°	1114.8	1126.6	1130.8	1154.6	1142.7	1139.3	1171.5	1159.6	1152.0	1099.5	960.6
42.5°	1219.8	1216.4	1223.2	1224.9	1237.6	1224.0	1223.2	1249.4	1229.1	1144.4	958.0
45°	1325.7	1311.3	1304.5	1305.3	1303.6	1310.4	1289.2	1303.6	1306.2	1168.1	936.0
47.5°	1392.6	1411.2	1394.3	1379.9	1370.6	1371.4	1364.6	1331.6	1357.9	1175.7	901.3
50°	1496.8	1495.1	1493.4	1461.2	1451.9	1434.1	1425.6	1401.9	1383.3	1151.2	863.2
52.5°	1613.7	1610.3	1614.5	1586.6	1551.0	1529.0	1503.6	1481.5	1438.3	1126.6	820.8
55°	1902.5	1894.9	1872.0	1864.4	1799.2	1743.3	1673.8	1631.5	1593.3	1124.9	771.7
57.5°	2681.0	2646.3	2587.0	2541.2	2418.4	2300.7	2192.2	2068.6	1983.0	1218.9	734.4
60°	3399.3	3355.3	3279.0	3131.6	3003.7	2797.0	2600.5	2437.9	2288.8	1318.0	692.1
62.5°	3689.0	3596.7	3484.0	3338.3	3120.6	2920.7	2652.2	2464.1	2276.1	1259.6	584.5
65°	3617.0	3462.0	3323.9	3160.4	2952.1	2702.2	2428.6	2202.4	2038.9	1017.3	405.7
67.5°	3273.9	3131.6	2993.6	2801.3	2570.9	2292.2	2057.5	1823.8	1677.2	724.2	226.2
70°	2740.3	2631.9	2464.1	2277.8	2068.6	1815.3	1576.4	1373.1	1227.4	442.2	110.1
72.5°	1883.9	1791.6	1721.3	1562.9	1351.1	1122.4	987.7	829.3	742.0	226.2	72.8
75°	681.0	688.7	634.5	606.5	537.0	432.9	381.2	321.0	280.4	102.5	72.0
77.5°	158.4	155.9	164.3	168.6	156.7	143.2	128.8	118.6	111.0	80.5	76.2
80°	96.6	95.7	94.9	94.0	93.2	92.3	91.5	89.8	88.1	78.8	77.1
82.5°	80.5	81.3	81.3	81.3	82.2	82.2	83.0	83.0	82.2	78.8	77.9
85°	62.7	65.2	67.8	70.3	73.7	77.1	78.8	79.6	79.6	77.1	77.1
87.5°	62.7	66.1	70.3	75.4	80.5	84.7	88.1	89.8	89.8	77.9	76.2
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: P157137

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	75.4	73.7	74.5	80.5	77.1	75.4
5°	113.5	88.1	73.7	72.8	72.0	71.2
7.5°	75.4	75.4	77.1	95.7	105.9	111.8
10°	84.7	121.1	127.1	124.5	125.4	123.7
12.5°	171.1	128.8	134.7	151.6	176.2	176.2
15°	185.5	226.2	183.8	185.5	183.0	183.0
17.5°	243.1	241.4	195.7	236.3	239.7	239.7
20°	307.5	278.7	289.7	254.1	249.9	249.0
22.5°	332.1	343.9	306.6	311.7	311.7	310.0
25°	442.2	387.1	361.7	321.9	357.5	349.8
27.5°	515.0	428.6	423.5	380.3	375.3	371.9
30°	610.7	537.0	452.3	432.9	432.0	428.6
32.5°	663.3	559.9	489.6	446.4	477.8	476.1
35°	722.6	583.6	518.4	486.2	464.2	460.8
37.5°	725.9	593.8	502.3	493.8	487.1	484.5
40°	735.3	573.5	500.6	493.0	486.2	483.7
42.5°	708.2	545.5	476.1	448.1	435.4	432.0
45°	670.9	502.3	425.2	393.9	378.6	375.3
47.5°	626.8	463.4	371.0	342.2	321.0	315.1
50°	581.1	412.5	317.7	282.9	262.6	255.8
52.5°	531.1	348.1	258.4	228.7	207.5	203.3
55°	471.0	280.4	201.6	181.3	168.6	165.2
57.5°	393.0	210.9	154.2	144.8	138.9	137.2
60°	301.6	148.2	116.0	118.6	116.0	117.7
62.5°	206.7	98.3	88.9	96.6	97.4	97.4
65°	120.3	71.2	72.0	81.3	82.2	83.0
67.5°	73.7	59.3	62.7	72.0	72.8	72.8
70°	61.8	55.1	58.4	67.8	68.6	68.6
72.5°	60.1	55.1	56.8	66.1	66.9	67.8
75°	61.0	54.2	56.8	66.1	65.2	64.4
77.5°	62.7	54.2	55.9	66.1	66.9	62.7
80°	61.8	52.5	53.4	70.3	67.8	57.6
82.5°	59.3	49.1	47.4	74.5	60.1	51.7
85°	55.1	44.0	39.0	81.3	59.3	37.3
87.5°	31.3	36.4	28.8	71.2	54.2	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)