

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: P157134

Luminaire Tested: **UTLD-F02-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157134
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-T2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4038.1 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

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



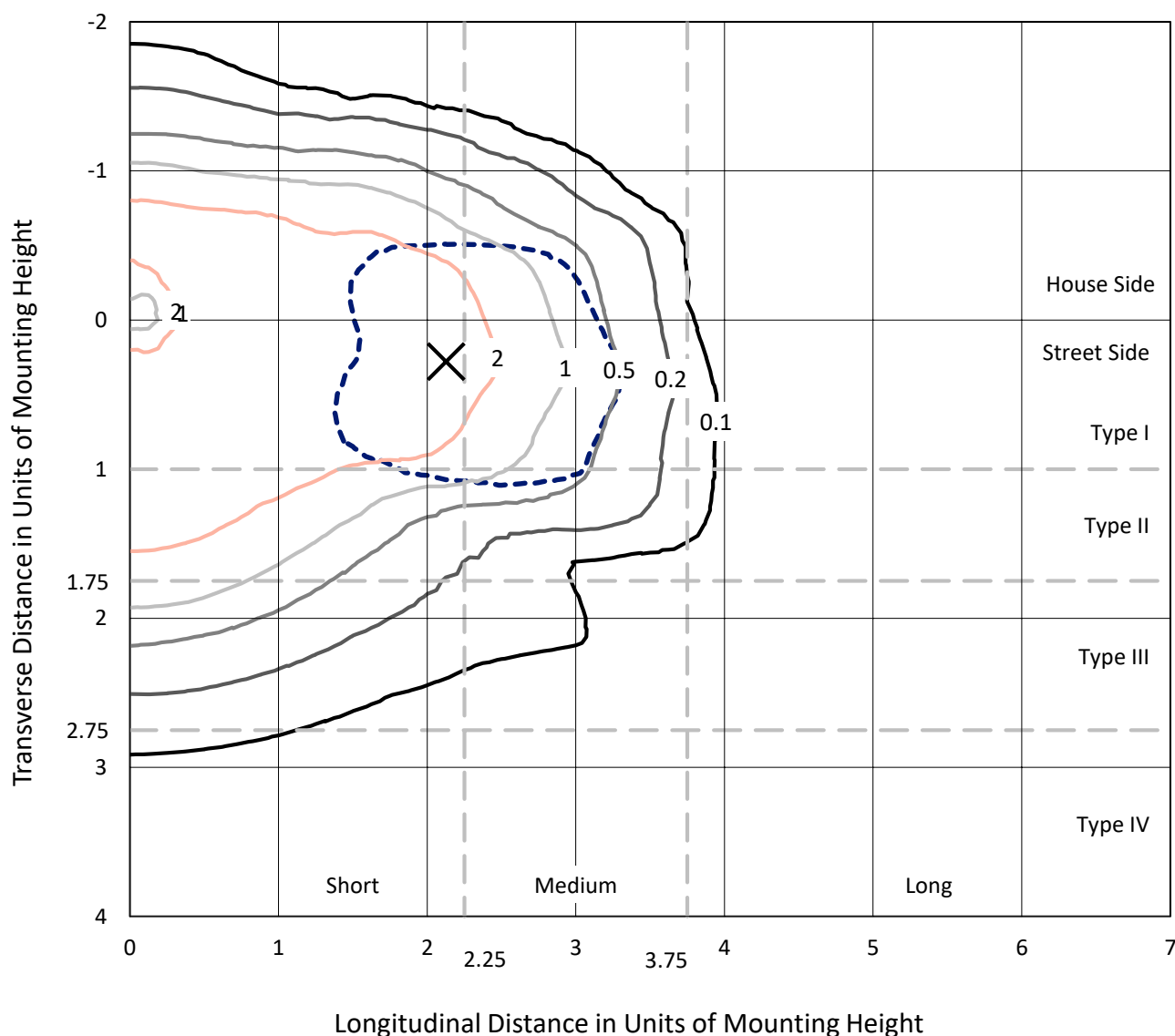
REPORT NUMBER: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

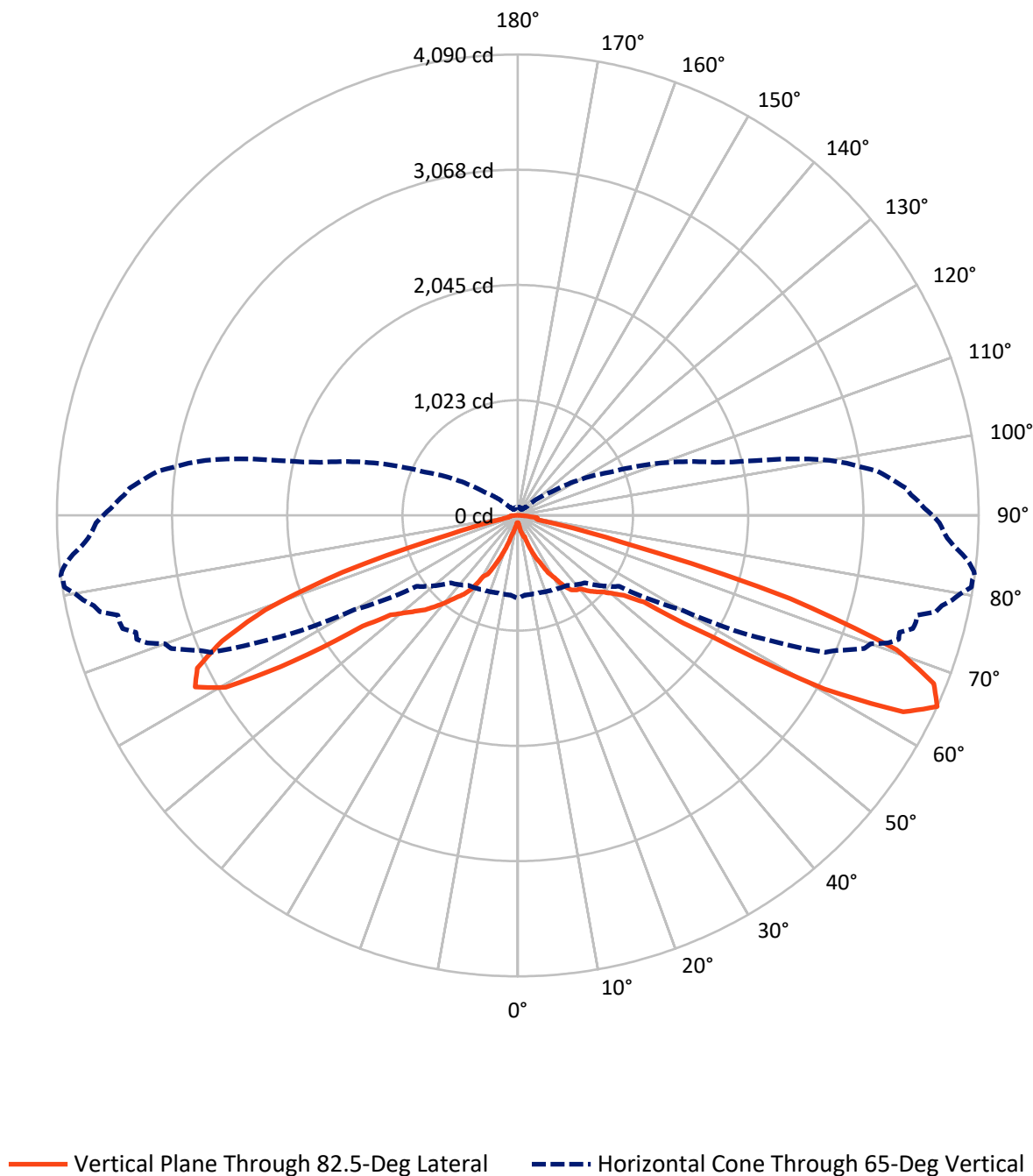


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

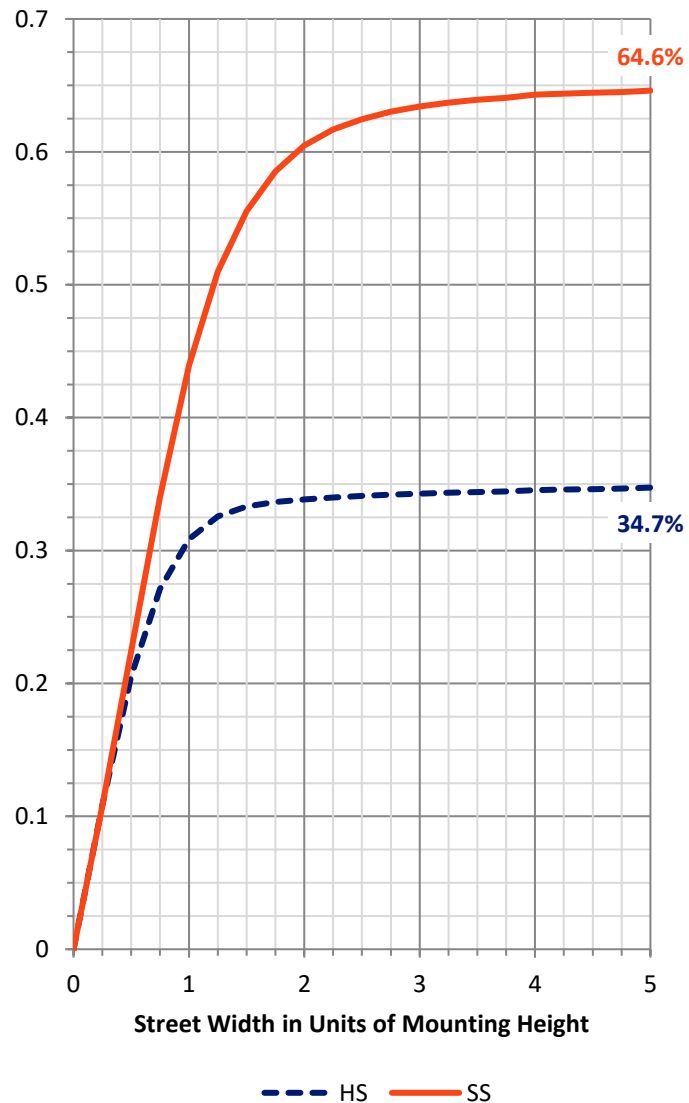
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1423.1	0.0	1423.1
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	2615.0	0.0	2615.0
	% Fixture	64.8	0.0	64.8
Total	Lumens	4038.1	0.0	4038.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	59.6	1.5
20°-30°	199.6	4.9
30°-40°	440.4	10.9
40°-50°	696.1	17.2
50°-60°	987.5	24.5
60°-70°	1174.8	29.1
70°-80°	397.3	9.8
80°-90°	73.7	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°	4038.1	100.0
0°-180°	4038.1	100.0

Coefficient of Utilization



REPORT NUMBER: P157134

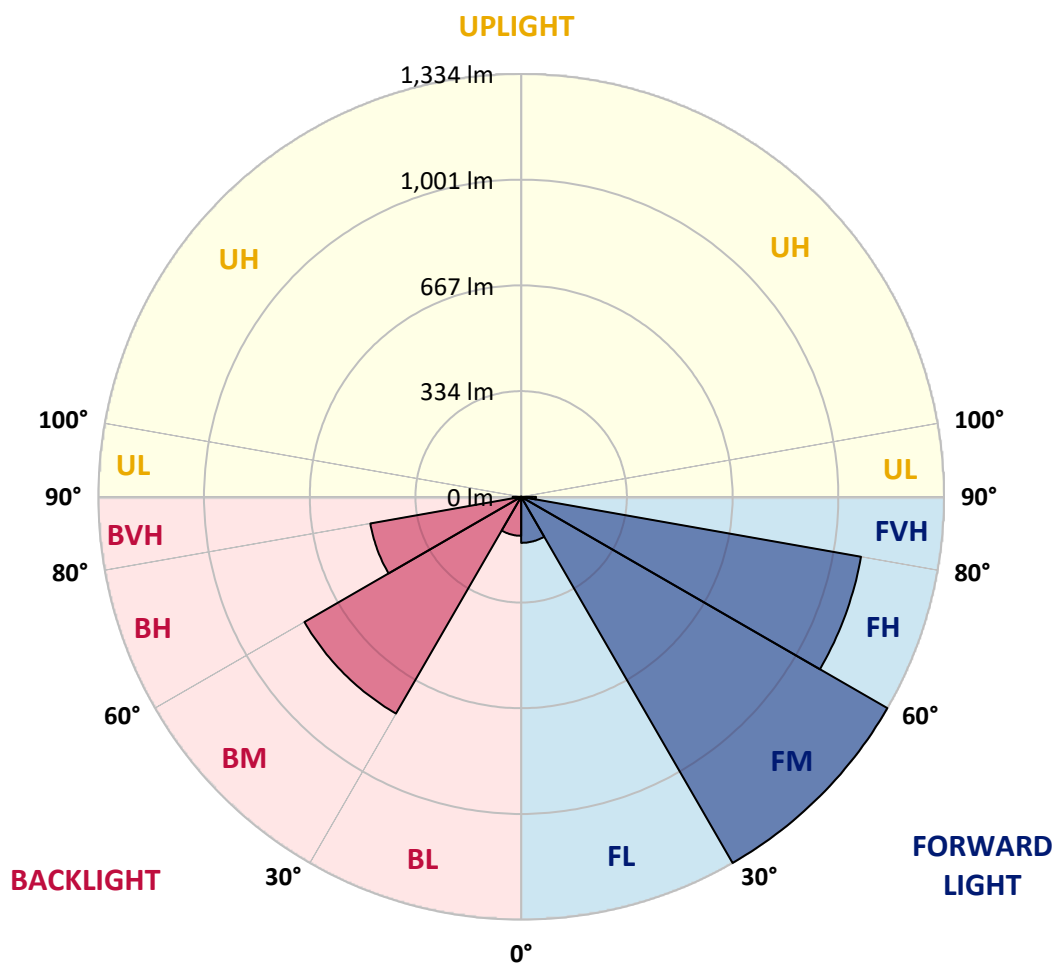
CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.3	3.6			
FM	(30°-60°)	1334.2	33.0			
FH	(60°-80°)	1088.8	27.0			G1/1800
FVH	(80°-90°)	46.7	1.2			G1/100
BL	(0°-30°)	123.0	3.0	B1/500		
BM	(30°-60°)	789.7	19.6	B1/1000		
BH	(60°-80°)	483.3	12.0	B1/500		G1/500
BVH	(80°-90°)	26.9	0.7			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 II Short





REPORT NUMBER: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	92.0	92.0	92.0	96.5	107.8	107.8	107.1	107.8	106.3	104.8	102.5
5°	95.8	98.0	96.5	95.8	94.2	93.5	92.7	92.0	92.0	93.5	97.3
7.5°	146.3	147.0	146.3	147.8	143.3	103.3	96.5	95.8	98.0	98.8	97.3
10°	174.2	162.9	159.1	156.1	152.3	145.5	144.8	141.0	139.5	138.7	135.0
12.5°	222.4	222.4	220.9	211.1	201.3	196.0	200.6	190.0	188.5	184.0	170.4
15°	293.3	292.5	242.8	231.5	260.1	247.3	208.9	220.9	233.0	231.5	232.2
17.5°	313.7	313.7	309.9	297.8	280.5	263.1	282.7	247.3	246.6	247.3	251.1
20°	389.1	389.1	374.0	347.6	331.8	314.4	303.1	331.0	322.0	315.2	309.9
22.5°	392.1	392.1	381.5	401.9	374.0	357.4	387.6	393.6	401.1	401.9	393.6
25°	453.2	453.9	443.3	413.2	417.7	409.4	426.0	466.7	466.7	459.9	479.5
27.5°	517.2	518.0	452.4	465.2	450.1	480.3	524.8	545.1	530.1	535.3	536.8
30°	547.4	548.2	544.4	539.9	521.8	533.8	556.4	575.3	585.1	621.3	610.0
32.5°	675.6	676.3	652.2	596.4	607.0	629.6	639.4	643.9	655.2	661.3	661.3
35°	827.9	825.6	781.9	732.9	701.2	696.7	708.8	747.2	766.8	748.0	756.3
37.5°	950.0	939.5	890.5	858.8	824.9	815.8	825.6	820.3	821.9	797.7	797.7
40°	1034.5	1035.2	1008.1	980.9	929.7	945.5	918.4	910.8	890.5	885.9	866.3
42.5°	1123.5	1127.2	1092.5	1058.6	1010.4	1053.3	1029.2	1017.9	972.7	985.5	960.6
45°	1216.2	1219.2	1179.2	1132.5	1090.3	1155.9	1150.6	1131.7	1108.4	1110.6	1084.2
47.5°	1284.8	1290.8	1245.6	1190.6	1161.9	1239.6	1266.0	1264.4	1261.4	1240.3	1229.8
50°	1324.8	1328.5	1278.8	1238.1	1202.6	1302.1	1385.1	1398.7	1422.8	1381.3	1409.2
52.5°	1337.6	1339.8	1290.1	1245.6	1211.7	1336.8	1475.6	1550.2	1567.6	1560.0	1603.7
55°	1302.1	1305.2	1268.2	1228.3	1198.1	1342.1	1547.9	1693.5	1704.0	1725.9	1813.4
57.5°	1244.1	1242.6	1235.0	1192.8	1189.8	1337.6	1608.3	1875.9	1882.0	1988.3	2145.1
60°	1169.4	1172.5	1168.7	1146.8	1160.4	1289.3	1595.5	1978.5	2048.6	2212.2	2460.3
62.5°	1052.6	1057.9	1042.0	1011.9	1022.4	1122.7	1444.7	1931.0	2094.6	2307.2	2608.8
65°	735.9	709.5	711.0	729.1	760.0	846.0	1097.8	1672.4	1930.2	2178.3	2575.6
67.5°	423.7	431.3	430.5	448.6	486.3	554.2	702.0	1119.7	1352.7	1640.7	2139.8
70°	325.7	325.7	336.3	360.4	383.8	462.2	504.4	606.2	713.3	907.1	1370.0
72.5°	245.0	244.3	254.1	276.7	323.5	423.0	590.4	419.2	433.5	471.2	741.2
75°	142.5	138.7	142.5	158.3	197.5	315.9	597.2	466.7	445.6	418.5	466.0
77.5°	73.9	73.9	77.7	81.4	101.0	162.1	430.5	570.0	551.9	505.9	475.0
80°	42.2	43.7	46.7	46.7	49.0	67.1	187.0	558.0	616.0	630.3	618.3
82.5°	21.1	24.1	33.2	33.2	32.4	33.9	70.1	327.2	445.6	552.7	744.9
85°	12.1	12.8	21.9	24.1	23.4	20.4	32.4	146.3	196.0	285.0	426.0
87.5°	4.5	6.8	10.6	12.1	13.6	10.6	18.8	41.5	55.8	76.9	94.2
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: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	102.5	98.8	100.3	96.5	89.7	86.7	86.0	85.2	84.4	79.9	79.9
5°	100.3	101.0	103.3	104.1	104.1	104.8	106.3	105.6	106.3	104.8	104.1
7.5°	95.8	93.5	91.2	89.7	89.7	89.7	89.7	90.5	93.5	98.0	100.3
10°	134.2	134.2	135.0	133.5	135.7	135.0	135.0	134.2	134.2	135.0	135.0
12.5°	149.3	144.8	144.0	142.5	143.3	142.5	143.3	147.0	146.3	147.0	145.5
15°	236.8	236.0	235.2	231.5	219.4	208.9	206.6	205.1	196.8	193.8	192.3
17.5°	250.3	246.6	250.3	248.8	245.0	241.3	238.3	232.2	214.9	214.9	212.6
20°	315.2	324.2	327.2	343.8	341.6	347.6	347.6	345.3	346.1	343.8	334.8
22.5°	383.0	374.0	368.7	377.0	378.5	374.7	383.0	381.5	400.4	391.3	417.0
25°	481.8	501.4	513.5	502.2	496.9	499.1	505.9	497.6	502.2	499.1	500.7
27.5°	537.6	547.4	540.6	539.9	542.9	545.1	535.3	535.3	534.6	553.4	571.5
30°	625.8	617.5	617.5	622.0	628.8	628.8	620.5	618.3	626.6	619.0	628.1
32.5°	659.0	654.5	670.3	722.3	724.6	714.0	714.8	724.6	725.3	735.9	737.4
35°	747.2	760.0	769.1	771.3	762.3	761.5	771.3	776.6	787.2	787.9	797.0
37.5°	806.8	812.1	812.8	809.8	796.2	805.3	810.5	817.3	817.3	824.9	821.1
40°	873.1	875.4	874.6	850.5	846.7	857.3	860.3	858.0	857.3	858.8	855.8
42.5°	959.8	955.3	932.7	914.6	918.4	918.4	913.8	903.3	908.6	897.3	892.0
45°	1072.9	1061.6	1025.4	1009.6	1010.4	996.0	978.7	976.4	962.1	948.5	961.3
47.5°	1226.0	1190.6	1155.1	1140.8	1125.7	1103.1	1073.7	1062.4	1040.5	1028.4	1030.0
50°	1409.2	1356.4	1333.1	1336.1	1305.9	1263.7	1239.6	1204.9	1164.9	1161.1	1144.6
52.5°	1589.4	1560.8	1567.6	1565.3	1528.3	1489.1	1468.0	1440.9	1397.1	1377.5	1330.8
55°	1775.7	1790.0	1829.9	1828.4	1810.3	1805.1	1794.5	1771.1	1777.9	1728.2	1670.1
57.5°	2131.5	2203.2	2298.9	2335.9	2332.1	2347.2	2384.1	2424.1	2455.0	2415.8	2421.8
60°	2557.5	2708.3	2850.8	2914.2	3021.3	3071.0	3154.0	3261.8	3334.9	3280.6	3374.1
62.5°	2774.7	2991.1	3099.7	3173.6	3315.3	3386.2	3494.8	3616.9	3647.1	3688.5	3792.6
65°	2797.3	2987.3	3065.7	3181.1	3294.2	3332.7	3476.7	3555.1	3543.8	3647.1	3658.4
67.5°	2458.0	2620.1	2744.5	2914.2	3000.1	3089.1	3208.2	3223.3	3270.8	3354.5	3295.7
70°	1746.2	2008.6	2176.8	2372.8	2508.5	2651.8	2764.9	2774.7	2851.6	2878.0	2847.8
72.5°	944.8	1201.1	1403.2	1644.5	1803.6	1967.2	2069.7	2129.3	2159.4	2119.5	2194.9
75°	532.3	637.1	767.6	892.7	1018.6	1081.2	1128.7	1151.3	1101.6	1086.5	1085.0
77.5°	450.1	444.9	455.4	432.8	438.8	423.0	426.0	387.6	361.2	380.0	378.5
80°	552.7	502.9	444.9	366.4	313.7	266.9	240.5	233.0	242.8	268.4	286.5
82.5°	734.4	725.3	629.6	529.3	444.9	355.9	288.0	248.8	253.3	270.7	303.9
85°	504.4	526.3	466.7	437.3	359.7	301.6	248.8	199.8	183.2	174.9	166.6
87.5°	101.8	89.0	79.9	75.4	65.6	58.1	52.0	47.5	48.3	45.2	44.5
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: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	75.4	71.6	72.4	70.1	68.6	67.9	70.1	70.1	69.4	68.6	65.6
5°	102.5	101.8	98.8	95.0	90.5	82.2	77.7	73.9	71.6	70.9	69.4
7.5°	101.8	101.0	100.3	100.3	100.3	99.5	99.5	97.3	95.0	88.2	73.1
10°	135.0	138.7	147.0	151.6	151.6	150.8	146.3	145.5	144.8	144.0	138.0
12.5°	145.5	141.8	141.8	142.5	147.8	153.1	156.1	154.6	154.6	154.6	152.3
15°	191.5	191.5	190.8	190.8	190.8	192.3	191.5	196.0	199.1	197.5	198.3
17.5°	212.6	215.6	214.1	214.1	209.6	201.3	217.2	198.3	197.5	222.4	243.5
20°	322.0	321.2	316.7	315.2	312.2	310.6	312.9	313.7	314.4	313.7	318.2
22.5°	414.7	401.9	392.1	389.8	399.6	403.4	398.9	399.6	396.6	397.4	390.6
25°	504.4	493.1	504.4	492.4	484.1	475.8	475.0	470.5	476.5	479.5	488.6
27.5°	584.3	590.4	589.6	596.4	585.9	576.8	577.6	573.8	580.6	588.1	579.8
30°	629.6	634.9	631.8	623.6	627.3	629.6	643.9	641.6	638.6	622.0	614.5
32.5°	743.4	741.2	735.1	740.4	757.8	766.8	744.2	738.9	739.7	749.5	743.4
35°	792.4	792.4	794.0	817.3	823.4	806.8	806.0	810.5	820.3	802.2	791.7
37.5°	817.3	822.6	843.0	849.0	830.9	830.9	844.5	840.7	832.4	830.1	839.9
40°	854.3	876.1	882.9	864.8	865.6	878.4	864.8	855.0	861.8	884.4	885.2
42.5°	912.3	921.4	902.5	899.5	917.6	901.8	901.8	915.3	923.6	922.1	930.4
45°	968.9	952.3	941.0	957.6	946.3	933.4	963.6	966.6	966.6	974.9	987.0
47.5°	1022.4	995.3	1006.6	999.8	974.9	1009.6	1016.4	1015.6	1020.2	1034.5	1030.7
50°	1101.6	1082.7	1079.0	1044.3	1065.4	1079.0	1078.2	1087.3	1095.6	1091.0	1124.2
52.5°	1263.7	1256.9	1193.6	1172.5	1183.0	1171.0	1183.0	1177.0	1176.2	1204.1	1206.4
55°	1615.1	1576.6	1465.8	1461.2	1403.9	1356.4	1372.3	1357.2	1364.0	1382.1	1394.9
57.5°	2419.6	2305.7	2274.8	2259.0	2146.6	2018.4	2004.9	2023.0	2020.7	1992.1	2039.6
60°	3375.6	3295.7	3380.9	3319.1	3231.6	3189.4	3127.6	3125.3	3098.9	3077.0	3027.3
62.5°	3725.5	3826.5	3906.4	3909.5	3929.1	3907.2	3876.3	3839.3	3844.6	3783.5	3763.9
65°	3657.6	3806.9	3848.4	3929.8	3990.9	4075.3	4076.8	4090.4	4078.4	4030.1	3962.2
67.5°	3431.4	3503.1	3549.0	3645.6	3767.0	3878.5	3969.8	3983.3	3991.6	3963.7	3863.5
70°	2979.8	3009.9	3074.8	3172.1	3319.1	3429.9	3554.3	3567.1	3593.5	3564.1	3494.0
72.5°	2206.2	2197.1	2231.1	2298.2	2367.5	2444.4	2523.6	2528.9	2587.0	2528.9	2448.2
75°	1025.4	999.0	977.2	973.4	981.7	1004.3	1002.1	971.9	963.6	895.0	846.0
77.5°	351.4	342.3	324.2	296.3	264.7	226.2	198.3	184.7	171.9	153.1	146.3
80°	309.9	330.2	328.0	306.1	269.2	225.4	184.0	163.6	146.3	117.6	106.3
82.5°	357.4	402.6	436.6	413.2	355.1	288.8	209.6	174.9	143.3	97.3	79.2
85°	171.2	168.9	185.5	157.6	149.3	109.3	82.2	69.4	63.3	52.0	48.3
87.5°	45.2	46.0	47.5	47.5	46.0	43.0	42.2	40.7	40.0	36.9	34.7
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: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	65.6	64.8	64.8	64.1	64.1	64.1	64.1	64.1	63.3	63.3	63.3
5°	70.1	70.1	69.4	67.1	65.6	65.6	64.8	64.8	64.1	64.1	64.1
7.5°	67.1	66.4	65.6	66.4	67.9	68.6	68.6	67.9	67.1	67.9	67.9
10°	116.9	108.6	106.3	105.6	104.1	104.1	103.3	101.8	99.5	98.8	98.8
12.5°	148.5	120.6	116.9	116.1	114.6	113.9	113.1	109.3	107.8	109.3	110.1
15°	197.5	187.0	164.4	165.1	165.9	165.1	165.1	163.6	161.4	159.1	159.1
17.5°	228.5	236.8	209.6	217.9	211.9	218.7	214.9	211.9	216.4	199.1	204.3
20°	315.9	315.9	303.9	285.8	288.0	291.0	294.8	294.1	290.3	283.5	280.5
22.5°	396.6	392.1	396.6	385.3	381.5	386.8	363.4	375.5	371.7	376.2	377.0
25°	492.4	493.9	478.0	464.5	453.2	454.7	463.7	461.4	450.1	453.9	465.2
27.5°	571.5	577.6	588.9	573.0	563.2	560.2	557.2	559.5	575.3	573.8	560.2
30°	622.0	613.8	611.5	619.0	631.8	622.0	634.9	615.3	609.2	628.1	627.3
32.5°	720.1	732.1	743.4	741.2	742.7	756.3	748.7	750.2	744.9	739.7	750.2
35°	804.5	805.3	797.7	808.3	805.3	809.0	818.8	819.6	822.6	821.1	821.9
37.5°	839.2	845.2	848.2	829.4	849.8	851.3	860.3	867.8	882.9	894.2	899.5
40°	895.0	891.2	884.4	904.8	885.9	898.0	919.9	934.2	950.8	973.4	980.9
42.5°	939.5	939.5	951.5	946.3	969.6	965.1	990.0	1014.1	1035.2	1040.5	1081.2
45°	987.7	1010.4	1012.6	1024.7	1039.8	1067.7	1069.9	1089.5	1112.9	1142.3	1155.9
47.5°	1060.9	1063.1	1091.0	1106.9	1128.0	1152.1	1165.7	1172.5	1201.9	1226.0	1241.1
50°	1121.9	1160.4	1177.0	1202.6	1230.5	1242.6	1263.7	1280.3	1291.6	1307.4	1317.2
52.5°	1235.8	1261.4	1298.4	1323.3	1351.2	1371.5	1389.6	1419.8	1420.5	1419.0	1429.6
55°	1425.8	1478.6	1536.6	1555.5	1609.0	1634.7	1666.3	1684.4	1711.6	1684.4	1691.2
57.5°	2073.5	2157.9	2204.7	2267.3	2316.3	2353.2	2362.3	2384.1	2423.3	2418.8	2393.9
60°	3083.1	3092.9	3129.8	3177.3	3174.3	3217.3	3190.1	3223.3	3164.5	3157.7	3096.7
62.5°	3728.5	3708.9	3705.1	3699.8	3682.5	3650.8	3610.1	3577.7	3525.7	3450.3	3398.2
65°	3878.5	3817.5	3776.0	3743.6	3679.5	3611.6	3557.3	3497.0	3454.0	3375.6	3297.2
67.5°	3761.7	3687.0	3612.4	3515.1	3445.0	3361.3	3280.6	3227.8	3148.7	3104.9	2977.5
70°	3412.6	3278.4	3153.2	3027.3	2966.2	2853.9	2778.5	2740.0	2660.8	2612.6	2518.3
72.5°	2384.1	2275.6	2093.1	1997.3	1977.0	1895.5	1862.4	1844.3	1805.8	1762.1	1713.1
75°	805.3	768.3	722.3	629.6	655.2	619.0	595.7	629.6	616.8	617.5	593.4
77.5°	141.0	136.5	130.4	123.7	121.4	123.7	120.6	125.2	125.9	128.2	125.9
80°	101.0	95.8	92.0	89.0	86.7	87.5	85.2	86.0	85.2	86.0	85.2
82.5°	72.4	69.4	65.6	63.3	62.6	63.3	61.8	64.1	65.6	67.9	70.1
85°	45.2	44.5	42.2	41.5	41.5	40.7	41.5	44.5	47.5	51.3	53.5
87.5°	32.4	32.4	30.9	32.4	32.4	33.9	36.2	40.0	43.7	47.5	52.0
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: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	63.3	63.3	63.3	63.3	63.3	63.3	63.3	62.6	62.6	63.3	63.3
5°	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	66.4	99.5
7.5°	67.1	67.1	67.1	66.4	66.4	66.4	67.1	67.9	67.1	95.0	64.8
10°	100.3	101.8	103.3	102.5	103.3	104.1	104.8	104.8	114.6	101.0	69.4
12.5°	110.8	110.8	111.6	110.8	110.1	120.6	142.5	142.5	143.3	111.6	110.8
15°	156.8	154.6	156.8	163.6	184.7	187.7	188.5	187.7	178.7	166.6	159.8
17.5°	188.5	179.5	189.3	206.6	187.7	187.0	175.7	167.4	170.4	208.1	215.6
20°	285.0	295.6	300.8	309.9	303.1	285.0	278.2	279.0	277.5	284.3	240.5
22.5°	372.5	386.0	384.5	380.8	370.2	381.5	386.0	357.4	352.1	374.7	388.3
25°	484.1	477.3	478.8	471.2	467.5	469.0	473.5	495.4	494.6	536.1	432.0
27.5°	578.3	587.4	581.3	582.1	595.7	586.6	601.7	601.7	632.6	585.9	579.1
30°	617.5	626.6	643.9	648.4	662.0	670.3	668.8	674.1	676.3	708.0	631.8
32.5°	770.6	761.5	775.1	795.5	803.0	809.8	830.9	828.6	816.6	784.2	721.6
35°	840.7	860.3	860.3	862.6	895.7	898.0	895.7	908.6	898.8	877.6	760.8
37.5°	910.1	917.6	941.7	945.5	940.2	965.1	965.9	959.1	968.9	930.4	833.2
40°	992.3	1002.8	1006.6	1027.7	1017.1	1014.1	1042.8	1032.2	1025.4	978.7	855.0
42.5°	1085.8	1082.7	1088.8	1090.3	1101.6	1089.5	1088.8	1112.1	1094.0	1018.6	852.8
45°	1180.0	1167.2	1161.1	1161.9	1160.4	1166.4	1147.6	1160.4	1162.7	1039.8	833.2
47.5°	1239.6	1256.2	1241.1	1228.3	1220.0	1220.7	1214.7	1185.3	1208.7	1046.5	802.2
50°	1332.3	1330.8	1329.3	1300.6	1292.3	1276.5	1269.0	1247.9	1231.3	1024.7	768.3
52.5°	1436.4	1433.3	1437.1	1412.2	1380.6	1361.0	1338.3	1318.7	1280.3	1002.8	730.6
55°	1693.5	1686.7	1666.3	1659.5	1601.5	1551.7	1489.9	1452.2	1418.3	1001.3	686.9
57.5°	2386.4	2355.5	2302.7	2262.0	2152.7	2047.8	1951.3	1841.3	1765.1	1085.0	653.7
60°	3025.8	2986.6	2918.7	2787.5	2673.7	2489.7	2314.8	2170.0	2037.3	1173.2	616.0
62.5°	3283.6	3201.5	3101.2	2971.5	2777.7	2599.8	2360.8	2193.4	2026.0	1121.2	520.3
65°	3219.6	3081.6	2958.7	2813.1	2627.7	2405.2	2161.7	1960.4	1814.9	905.5	361.2
67.5°	2914.2	2787.5	2664.6	2493.5	2288.4	2040.3	1831.5	1623.3	1492.9	644.7	201.3
70°	2439.2	2342.7	2193.4	2027.5	1841.3	1615.8	1403.2	1222.2	1092.5	393.6	98.0
72.5°	1676.9	1594.7	1532.1	1391.1	1202.6	999.0	879.2	738.2	660.5	201.3	64.8
75°	606.2	613.0	564.7	539.9	478.0	385.3	339.3	285.8	249.6	91.2	64.1
77.5°	141.0	138.7	146.3	150.0	139.5	127.4	114.6	105.6	98.8	71.6	67.9
80°	86.0	85.2	84.4	83.7	82.9	82.2	81.4	79.9	78.4	70.1	68.6
82.5°	71.6	72.4	72.4	72.4	73.1	73.1	73.9	73.9	73.1	70.1	69.4
85°	55.8	58.1	60.3	62.6	65.6	68.6	70.1	70.9	70.9	68.6	68.6
87.5°	55.8	58.8	62.6	67.1	71.6	75.4	78.4	79.9	79.9	69.4	67.9
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: P157134

CATALOG NUMBER: UTLD-F02-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	67.1	65.6	66.4	71.6	68.6	67.1
5°	101.0	78.4	65.6	64.8	64.1	63.3
7.5°	67.1	67.1	68.6	85.2	94.2	99.5
10°	75.4	107.8	113.1	110.8	111.6	110.1
12.5°	152.3	114.6	119.9	135.0	156.8	156.8
15°	165.1	201.3	163.6	165.1	162.9	162.9
17.5°	216.4	214.9	174.2	210.4	213.4	213.4
20°	273.7	248.1	257.9	226.2	222.4	221.7
22.5°	295.6	306.1	272.9	277.5	277.5	276.0
25°	393.6	344.6	322.0	286.5	318.2	311.4
27.5°	458.4	381.5	377.0	338.5	334.0	331.0
30°	543.6	478.0	402.6	385.3	384.5	381.5
32.5°	590.4	498.4	435.8	397.4	425.3	423.7
35°	643.2	519.5	461.4	432.8	413.2	410.2
37.5°	646.2	528.5	447.1	439.6	433.5	431.3
40°	654.5	510.5	445.6	438.8	432.8	430.5
42.5°	630.3	485.6	423.7	398.9	387.6	384.5
45°	597.2	447.1	378.5	350.6	337.0	334.0
47.5°	558.0	412.4	330.2	304.6	285.8	280.5
50°	517.2	367.2	282.7	251.8	233.7	227.7
52.5°	472.8	309.9	230.0	203.6	184.7	181.0
55°	419.2	249.6	179.5	161.4	150.0	147.0
57.5°	349.9	187.7	137.2	128.9	123.7	122.1
60°	268.4	131.9	103.3	105.6	103.3	104.8
62.5°	184.0	87.5	79.2	86.0	86.7	86.7
65°	107.1	63.3	64.1	72.4	73.1	73.9
67.5°	65.6	52.8	55.8	64.1	64.8	64.8
70°	55.0	49.0	52.0	60.3	61.1	61.1
72.5°	53.5	49.0	50.5	58.8	59.6	60.3
75°	54.3	48.3	50.5	58.8	58.1	57.3
77.5°	55.8	48.3	49.8	58.8	59.6	55.8
80°	55.0	46.7	47.5	62.6	60.3	51.3
82.5°	52.8	43.7	42.2	66.4	53.5	46.0
85°	49.0	39.2	34.7	72.4	52.8	33.2
87.5°	27.9	32.4	25.6	63.3	48.3	26.4
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)