

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: P157038

Luminaire Tested: **UTLD-E02-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157038
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-E02-LED-E-U-SL2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4466 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

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

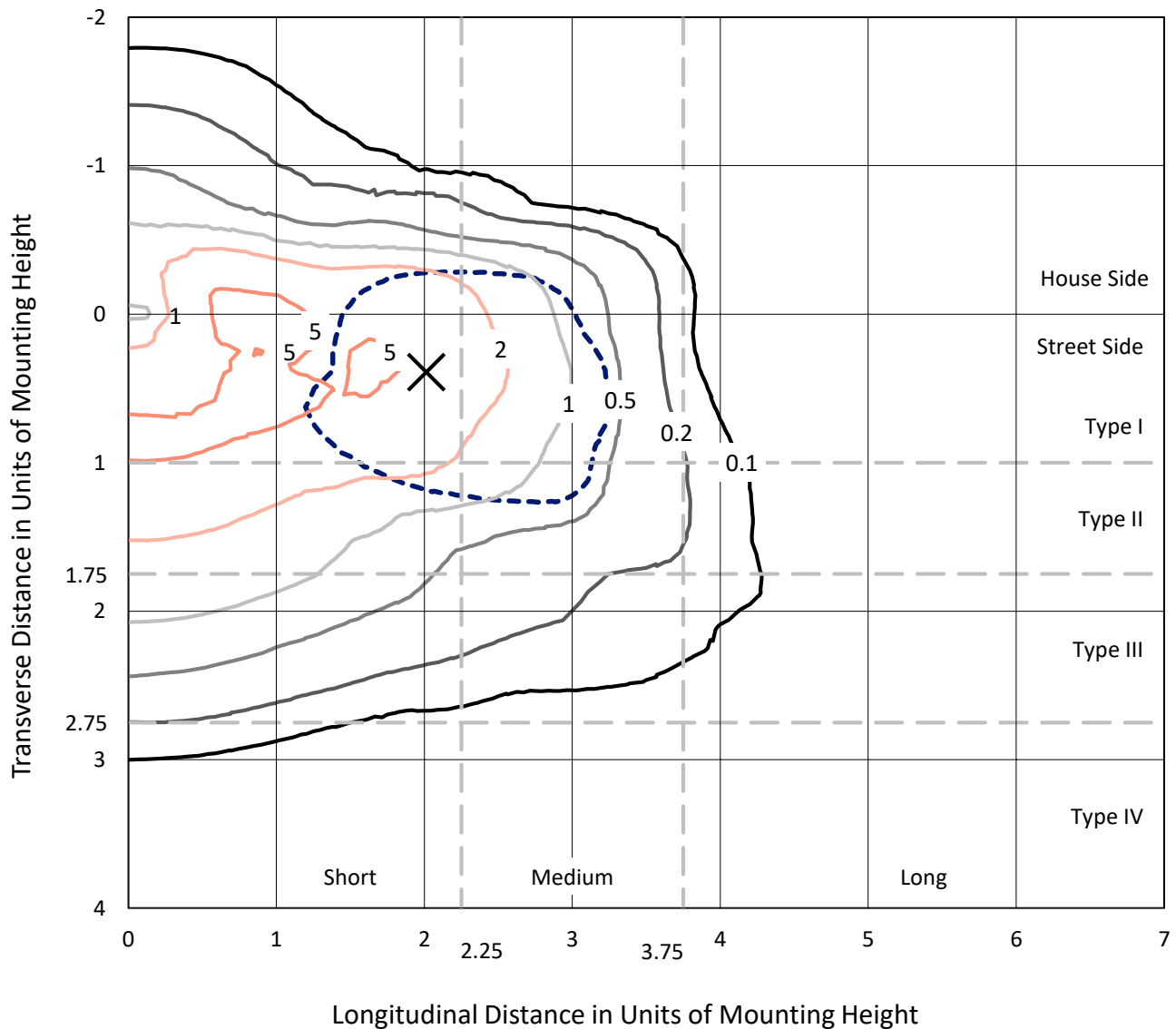


REPORT NUMBER: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

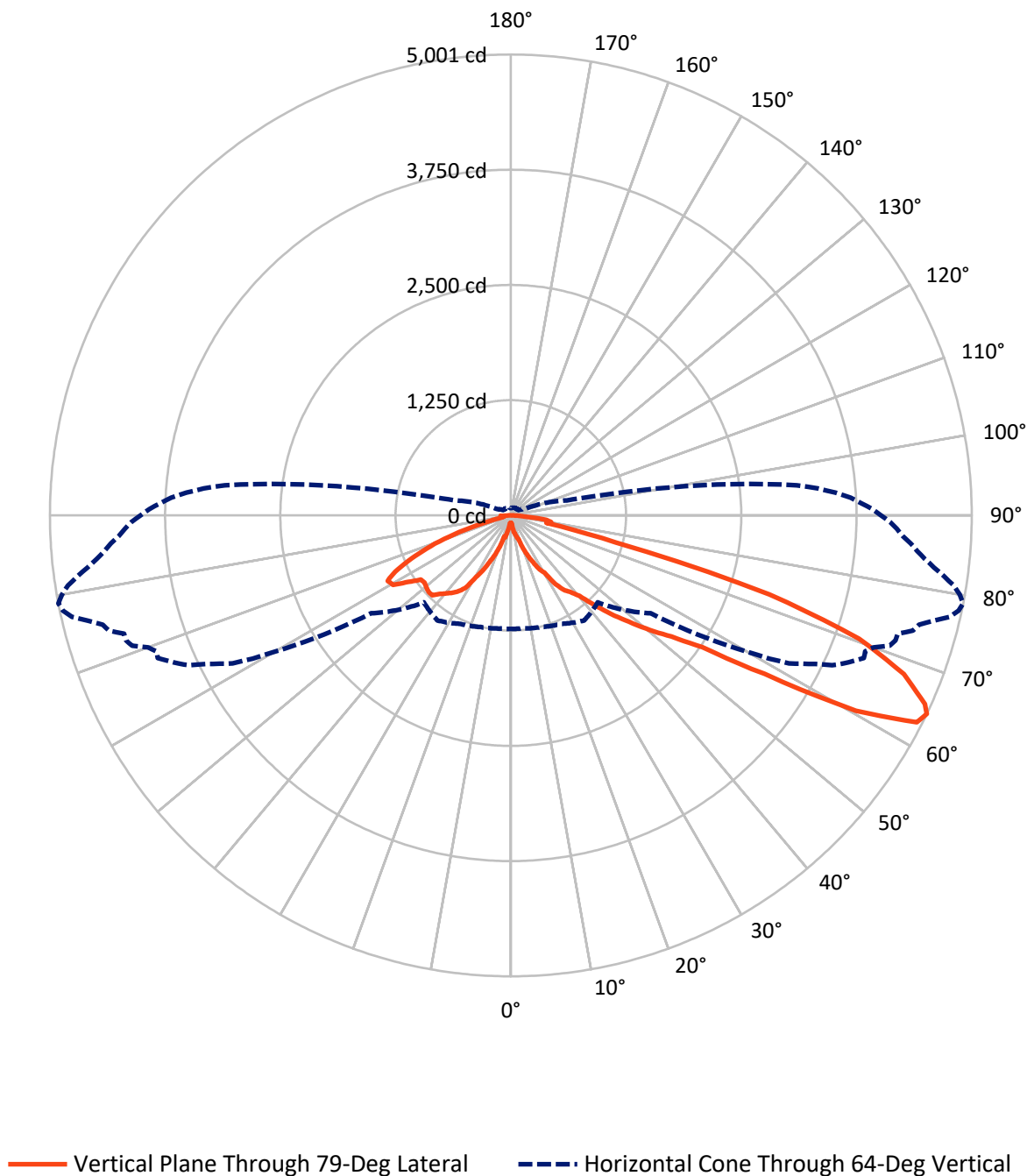


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

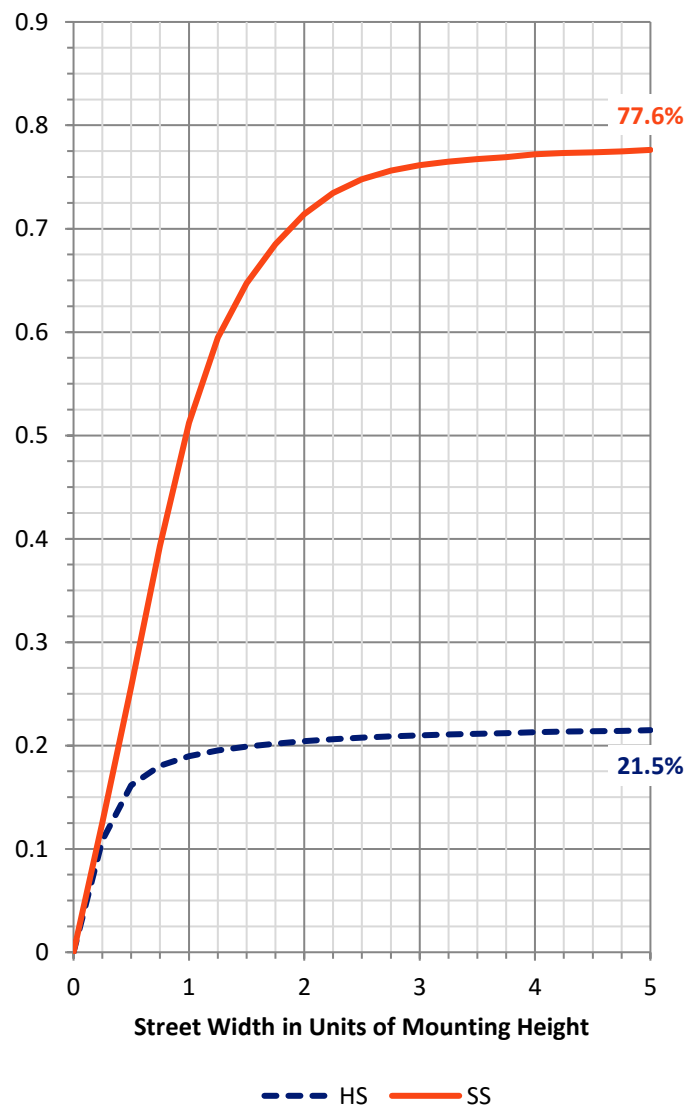
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	981.1	0.0	981.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3484.9	0.0	3484.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	4466.0	0.0	4466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.3
10°-20°	65.3	1.5
20°-30°	191.0	4.3
30°-40°	417.3	9.3
40°-50°	759.0	17.0
50°-60°	1060.0	23.7
60°-70°	1332.8	29.8
70°-80°	516.7	11.6
80°-90°	112.8	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°	4466.0	100.0
0°-180°	4466.0	100.0

Coefficient of Utilization



REPORT NUMBER: P157038

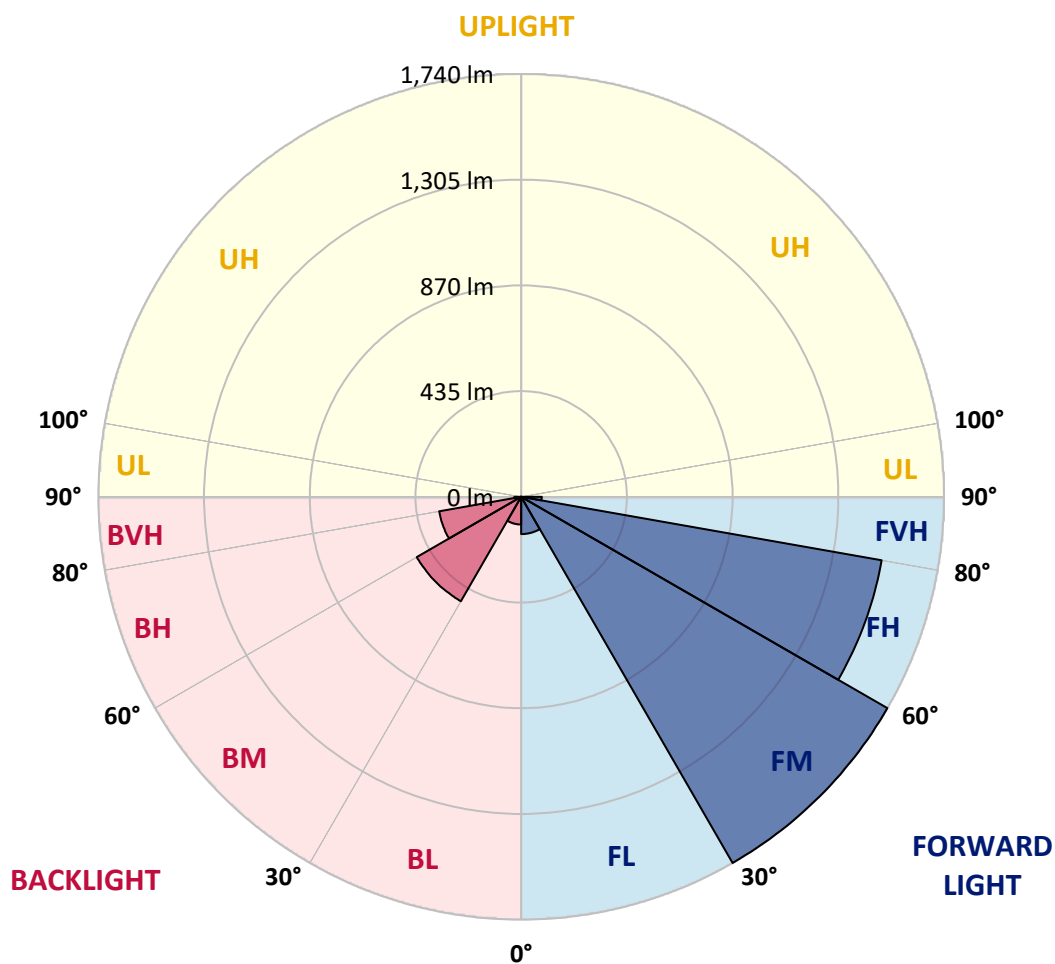
CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.4	3.4			
FM	(30°-60°)	1740.3	39.0			
FH	(60°-80°)	1506.5	33.7			G1/1800
FVH	(80°-90°)	84.7	1.9			G1/100
BL	(0°-30°)	114.0	2.6	B1/500		
BM	(30°-60°)	496.0	11.1	B1/1000		
BH	(60°-80°)	343.0	7.7	B1/500		G1/500
BVH	(80°-90°)	28.1	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-G1

Type II Short





REPORT NUMBER: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	130.8	130.0	131.7	131.7	131.7	130.0	116.5	99.6	98.7	96.2	93.7
5°	108.0	108.0	108.0	108.9	109.7	111.4	118.2	126.6	130.8	131.7	132.5
7.5°	157.8	159.5	159.5	159.5	132.5	113.9	113.1	114.8	113.1	111.4	108.9
10°	162.0	162.9	162.9	164.6	165.4	162.9	139.3	157.8	157.8	158.7	159.5
12.5°	222.0	223.7	222.8	215.2	175.6	215.2	225.3	211.0	196.6	181.5	172.2
15°	235.5	238.8	232.1	225.3	268.4	252.4	238.0	274.3	274.3	276.8	284.4
17.5°	303.8	304.7	299.6	291.2	278.5	285.3	291.2	290.3	295.4	299.6	297.1
20°	364.6	357.0	314.0	336.8	332.5	330.0	330.8	360.4	362.9	364.6	372.2
22.5°	384.9	384.9	367.1	385.7	368.0	372.2	406.0	445.6	443.9	437.2	427.1
25°	469.3	470.9	430.4	399.2	407.6	417.8	438.0	498.8	491.2	499.6	503.9
27.5°	507.2	510.6	474.3	465.9	424.5	470.1	541.8	558.7	564.6	574.8	574.8
30°	609.4	611.0	587.4	520.7	506.4	512.3	585.7	610.2	618.6	629.6	671.0
32.5°	763.8	764.7	708.1	597.5	569.7	591.6	678.6	706.4	722.5	707.3	725.0
35°	1010.3	1002.7	897.2	807.7	738.5	683.6	769.7	867.6	857.5	860.0	868.5
37.5°	1174.0	1184.1	1151.2	1049.1	1001.0	925.0	976.5	989.2	969.7	984.9	990.0
40°	1304.0	1318.3	1304.8	1254.2	1207.8	1174.0	1236.4	1192.6	1164.7	1167.2	1147.8
42.5°	1352.9	1369.0	1382.5	1412.0	1400.2	1436.5	1523.4	1460.1	1455.0	1430.6	1383.3
45°	1386.7	1401.9	1445.8	1504.8	1523.4	1618.8	1769.0	1743.7	1762.3	1709.1	1680.4
47.5°	1393.4	1407.8	1457.6	1550.4	1601.9	1740.3	1972.4	1997.7	2012.1	1983.4	1976.6
50°	1334.3	1346.2	1399.3	1509.9	1585.0	1793.5	2107.4	2200.3	2212.9	2220.5	2226.4
52.5°	1242.4	1256.7	1306.5	1400.2	1495.6	1769.0	2180.9	2359.8	2375.0	2407.9	2447.6
55°	1206.1	1217.9	1249.1	1325.1	1397.6	1668.6	2218.0	2494.8	2519.3	2576.7	2645.1
57.5°	1201.0	1212.8	1240.7	1266.0	1346.2	1551.3	2234.0	2647.6	2723.6	2816.4	2927.0
60°	1244.9	1250.0	1262.6	1263.5	1300.6	1461.8	2185.1	2835.8	2987.7	3123.6	3297.5
62.5°	1274.4	1278.6	1298.1	1333.5	1323.4	1372.3	2019.7	2958.2	3184.4	3385.2	3610.6
64°	1231.4	1231.4	1254.2	1298.1	1390.1	1334.3	1851.7	2954.0	3202.1	3417.3	3673.9
65°	1182.4	1181.6	1202.7	1238.1	1379.1	1328.4	1730.2	2883.1	3139.6	3355.7	3633.4
67.5°	960.5	927.5	947.0	991.7	1163.0	1341.9	1428.0	2425.6	2689.0	2949.7	3269.6
70°	497.1	514.8	525.0	599.2	804.3	1154.6	1198.5	1714.1	2013.8	2273.7	2715.1
72.5°	210.2	196.6	221.1	273.5	422.8	817.8	1102.3	1190.9	1347.0	1553.8	2022.2
75°	113.9	114.8	119.8	135.9	220.3	451.5	1016.2	1049.1	1063.4	1097.2	1347.0
77.5°	84.4	84.4	86.9	86.9	114.8	234.6	810.2	991.7	994.2	972.3	1029.7
80°	63.3	66.7	70.9	67.5	71.7	133.4	474.3	900.5	938.5	946.1	993.4
82.5°	52.3	54.0	63.3	60.8	56.5	80.2	222.8	681.9	788.3	850.7	967.2
85°	35.4	38.0	57.4	55.7	51.5	54.0	129.1	221.1	266.7	308.1	392.5
87.5°	14.3	18.6	37.1	33.8	35.4	30.4	79.3	116.5	128.3	146.0	181.5
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: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	92.0	90.3	89.5	87.8	86.9	86.1	86.9	85.2	84.4	85.2	83.6
5°	131.7	131.7	130.8	129.1	128.3	126.6	125.8	119.0	111.4	107.2	100.4
7.5°	109.7	109.7	111.4	115.6	119.8	124.1	126.6	127.4	126.6	127.4	127.4
10°	159.5	162.0	162.0	163.7	163.7	164.6	165.4	167.1	168.8	178.9	186.5
12.5°	171.3	172.2	172.2	173.0	176.4	179.8	179.8	182.3	180.6	179.8	178.1
15°	280.2	276.0	256.6	254.0	253.2	250.7	243.9	241.4	241.4	243.1	242.2
17.5°	299.6	302.1	298.8	294.6	290.3	281.0	265.0	266.7	265.0	266.7	270.1
20°	374.7	367.1	372.2	390.8	403.4	407.6	411.9	414.4	406.0	393.3	391.6
22.5°	422.8	418.6	428.7	432.1	433.0	441.4	443.1	449.0	471.8	467.6	471.8
25°	504.7	548.6	549.4	552.0	556.2	561.3	557.9	565.5	563.8	570.5	570.5
27.5°	587.4	584.0	587.4	590.8	586.6	584.0	592.5	592.5	608.5	599.2	600.9
30°	666.8	669.3	676.9	683.6	688.7	686.2	687.0	698.8	690.4	697.1	707.3
32.5°	722.5	732.6	751.2	756.2	804.3	796.7	817.8	828.0	836.4	849.9	862.6
35°	882.0	889.6	899.7	899.7	894.6	907.3	916.6	923.3	931.8	952.9	946.1
37.5°	992.5	993.4	996.8	974.8	989.2	995.1	995.1	1009.4	1024.6	1025.4	1010.3
40°	1139.4	1119.1	1110.7	1091.3	1109.0	1084.5	1103.1	1099.7	1110.7	1097.2	1105.6
42.5°	1361.4	1331.0	1283.7	1277.0	1261.8	1248.3	1232.2	1245.7	1222.1	1232.2	1258.4
45°	1643.3	1562.2	1541.1	1519.2	1456.7	1446.6	1439.0	1407.8	1377.4	1410.3	1455.0
47.5°	1937.8	1848.3	1819.6	1778.3	1736.9	1683.8	1652.5	1587.5	1572.4	1613.7	1643.3
50°	2185.9	2117.6	2122.6	2064.4	2012.9	1978.3	1892.2	1827.2	1823.9	1838.2	1823.9
52.5°	2403.7	2389.3	2391.9	2355.6	2321.0	2277.9	2174.1	2135.3	2109.1	2087.2	2029.0
55°	2620.6	2667.9	2663.6	2691.5	2683.9	2652.7	2579.2	2587.7	2577.5	2505.8	2447.6
57.5°	2979.3	3051.9	3097.4	3138.0	3224.0	3214.8	3200.4	3329.5	3324.5	3256.1	3283.1
60°	3448.5	3527.0	3642.7	3746.5	3842.7	3868.9	3950.7	4128.0	4112.8	4120.4	4209.8
62.5°	3803.0	3901.8	4025.0	4146.5	4144.8	4213.2	4377.8	4467.2	4450.4	4571.9	4642.8
64°	3846.1	3950.7	4040.2	4131.3	4118.7	4187.9	4344.9	4387.9	4388.8	4536.5	4584.6
65°	3782.8	3894.2	3959.2	4039.3	4024.1	4100.1	4256.2	4254.6	4279.0	4429.3	4471.5
67.5°	3394.5	3545.6	3598.8	3628.3	3645.2	3759.1	3844.4	3808.9	3914.4	3976.0	4078.2
70°	2862.8	3031.6	3124.5	3137.1	3196.2	3311.0	3373.4	3306.8	3436.7	3395.4	3573.5
72.5°	2257.7	2415.5	2554.8	2570.0	2670.4	2729.5	2723.6	2724.4	2744.7	2679.7	2828.2
75°	1568.1	1688.8	1795.2	1808.7	1861.8	1809.5	1770.7	1693.9	1605.3	1530.2	1520.9
77.5°	1067.6	1107.3	1097.2	1057.5	1014.5	946.1	892.1	876.9	820.4	796.7	747.8
80°	989.2	1002.7	983.2	980.7	948.6	872.7	833.9	769.7	761.3	733.4	698.8
82.5°	989.2	995.9	999.3	1018.7	975.7	917.4	850.7	755.4	722.5	648.2	603.5
85°	469.3	498.0	546.1	588.3	586.6	570.5	497.1	458.3	389.1	333.4	282.7
87.5°	209.3	232.9	259.9	270.1	279.4	270.1	244.8	221.1	181.5	141.8	117.3
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: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	83.6	83.6	83.6	83.6	82.7	82.7	82.7	82.7	82.7	81.9	81.9
5°	93.7	92.0	88.6	88.6	86.9	86.1	86.1	85.2	85.2	84.4	84.4
7.5°	126.6	125.8	123.2	113.1	97.9	92.0	86.9	86.9	86.1	86.9	88.6
10°	189.9	189.9	188.2	185.7	184.8	181.5	164.6	150.2	140.9	139.3	137.6
12.5°	180.6	184.8	195.8	201.7	201.7	200.9	199.2	194.1	170.5	156.1	152.8
15°	243.1	244.8	245.6	249.0	259.1	260.8	259.1	260.8	259.1	243.1	221.1
17.5°	273.5	267.5	267.5	270.1	280.2	275.1	285.3	315.7	321.6	296.2	298.8
20°	388.2	388.2	389.9	384.0	388.2	395.8	396.7	400.1	406.8	405.1	395.0
22.5°	460.8	454.9	469.3	476.0	478.5	477.7	476.9	475.2	478.5	483.6	479.4
25°	560.4	565.5	566.3	562.9	555.3	552.0	557.9	563.8	581.5	592.5	584.9
27.5°	619.5	634.7	673.5	665.1	660.0	665.9	670.1	684.5	678.6	674.3	686.2
30°	721.6	719.1	710.6	718.2	728.4	741.0	737.6	727.5	722.5	734.3	730.9
32.5°	858.3	848.2	864.2	887.0	903.1	889.6	880.3	892.1	892.1	879.4	893.8
35°	934.3	952.9	977.3	992.5	981.6	981.6	990.8	984.9	989.2	1003.5	1011.9
37.5°	1026.3	1056.7	1071.9	1056.7	1060.1	1080.3	1081.2	1089.6	1098.0	1114.1	1137.7
40°	1143.6	1158.8	1147.8	1147.0	1172.3	1179.1	1194.2	1223.8	1236.4	1259.2	1269.4
42.5°	1288.8	1293.0	1294.7	1325.1	1329.3	1336.9	1375.7	1402.7	1435.6	1444.9	1432.3
45°	1468.5	1466.0	1504.0	1525.1	1530.2	1583.3	1598.5	1618.8	1640.7	1621.3	1653.4
47.5°	1632.3	1673.6	1722.6	1724.3	1767.3	1801.9	1815.4	1834.0	1816.3	1836.5	1812.9
50°	1825.6	1899.8	1892.2	1953.8	1987.6	1994.4	2022.2	1995.2	1998.6	1979.2	1972.4
52.5°	2066.9	2098.2	2094.8	2180.9	2186.8	2210.4	2190.2	2174.1	2171.6	2146.3	2127.7
55°	2486.4	2445.0	2488.9	2521.0	2537.9	2547.2	2483.0	2510.9	2446.7	2445.9	2402.0
57.5°	3259.5	3251.9	3279.7	3244.3	3289.9	3218.1	3213.9	3157.4	3117.7	3116.9	3091.5
60°	4190.4	4308.6	4335.6	4301.8	4214.9	4181.1	4126.3	4078.2	4008.1	4014.0	3961.7
62.5°	4715.4	4878.3	4921.3	4943.3	4831.0	4780.4	4654.6	4574.4	4466.4	4431.8	4347.4
64°	4724.7	4887.6	4966.9	5000.6	4944.1	4864.8	4745.8	4625.1	4515.4	4425.0	4348.2
65°	4654.6	4794.7	4902.7	4936.5	4932.3	4827.6	4728.9	4586.2	4485.0	4360.1	4281.6
67.5°	4277.3	4401.4	4542.4	4598.1	4655.5	4619.2	4534.8	4396.3	4274.8	4124.6	4014.9
70°	3693.3	3801.3	3927.1	4008.1	4070.6	4101.0	4028.4	3922.0	3830.0	3653.6	3524.5
72.5°	2884.8	2902.5	2927.8	2931.2	2906.7	2894.9	2829.9	2837.5	2668.7	2561.5	2487.2
75°	1433.1	1374.0	1230.5	1177.4	1055.8	984.1	901.4	868.5	782.4	757.9	692.1
77.5°	656.6	574.8	474.3	395.0	330.0	285.3	243.1	213.5	189.1	179.8	166.3
80°	643.1	578.1	500.5	442.3	373.9	312.3	254.0	199.2	160.4	136.7	121.5
82.5°	547.8	471.8	419.5	384.9	341.8	298.8	244.8	197.5	151.9	117.3	95.4
85°	224.5	183.1	155.3	140.9	125.8	110.6	95.4	81.9	73.4	62.5	56.5
87.5°	96.2	84.4	77.6	76.8	73.4	70.9	68.4	65.0	57.4	53.2	48.1
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: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
5°	84.4	84.4	83.6	83.6	83.6	83.6	84.4	83.6	83.6	83.6	83.6
7.5°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	90.3	89.5	89.5	90.3
10°	136.7	135.9	132.5	131.7	130.0	130.0	130.0	130.8	134.2	135.9	137.6
12.5°	149.4	151.1	152.8	149.4	151.1	146.9	149.4	151.1	150.2	151.1	149.4
15°	222.8	222.8	222.0	221.1	218.6	216.1	215.2	215.2	213.5	211.8	213.5
17.5°	295.4	295.4	291.2	287.8	287.8	270.1	282.7	278.5	281.0	269.2	301.3
20°	370.5	368.8	371.4	377.3	379.8	375.6	369.7	362.9	361.2	372.2	385.7
22.5°	478.5	475.2	465.9	454.1	452.4	451.5	462.5	462.5	463.4	468.4	476.9
25°	573.1	554.5	546.9	555.3	557.9	546.1	546.1	550.3	573.1	581.5	582.4
27.5°	688.7	682.8	677.7	667.6	663.4	680.3	689.5	679.4	676.0	688.7	688.7
30°	736.0	749.5	748.6	758.7	766.3	745.2	734.3	761.3	758.7	739.3	750.3
32.5°	909.0	915.7	925.0	937.7	928.4	941.9	927.5	916.6	934.3	930.9	918.3
35°	1011.1	1029.7	1029.7	1030.5	1055.8	1050.8	1044.9	1041.5	1028.0	1037.3	1043.2
37.5°	1136.0	1124.2	1134.3	1147.0	1152.0	1158.0	1159.6	1163.9	1146.1	1134.3	1117.4
40°	1258.4	1272.7	1260.1	1263.5	1273.6	1271.9	1278.6	1287.9	1262.6	1244.9	1221.3
42.5°	1442.4	1437.3	1433.9	1428.9	1417.1	1428.9	1417.1	1390.1	1396.0	1369.8	1336.0
45°	1635.7	1625.5	1626.4	1610.3	1598.5	1566.4	1557.2	1549.6	1517.5	1498.1	1444.9
47.5°	1814.6	1807.0	1780.0	1785.9	1749.6	1711.6	1688.0	1676.2	1632.3	1580.0	1547.9
50°	1968.2	1947.9	1948.8	1910.0	1883.8	1854.2	1817.1	1771.5	1723.4	1674.5	1605.3
52.5°	2107.4	2105.8	2081.3	2054.3	2015.5	1999.4	1936.1	1871.1	1812.9	1754.7	1677.0
55°	2430.7	2401.2	2349.7	2336.2	2317.6	2220.5	2173.3	2093.9	2003.6	1932.7	1828.9
57.5°	3099.1	3060.3	2999.5	2993.6	2879.7	2802.0	2693.2	2600.3	2477.1	2356.4	2203.7
60°	3896.7	3839.3	3843.5	3755.8	3658.7	3565.9	3430.0	3298.3	3127.8	2921.1	2665.3
62.5°	4271.4	4215.7	4167.6	4068.0	3965.1	3862.9	3750.7	3574.3	3409.7	3168.3	2851.0
64°	4258.8	4190.4	4117.0	4016.6	3923.7	3804.7	3690.8	3530.4	3344.7	3121.1	2786.0
65°	4197.2	4121.2	4026.7	3930.5	3819.1	3708.5	3596.2	3451.1	3246.0	3029.1	2691.5
67.5°	3906.8	3808.9	3707.7	3614.8	3497.5	3387.8	3287.3	3156.5	2943.8	2710.9	2407.9
70°	3429.1	3308.4	3197.0	3137.1	3051.9	2954.0	2832.4	2722.7	2526.1	2294.8	2019.7
72.5°	2354.7	2215.5	2137.8	2163.1	2077.9	2047.5	2018.8	1932.7	1760.6	1594.3	1417.9
75°	736.8	681.1	644.0	689.5	658.3	709.0	692.9	677.7	632.1	612.7	551.1
77.5°	167.1	159.5	156.1	154.5	155.3	154.5	151.9	151.1	148.5	150.2	146.0
80°	115.6	110.6	108.9	106.3	104.7	102.1	99.6	98.7	97.9	96.2	95.4
82.5°	83.6	76.8	76.0	74.3	73.4	71.7	70.9	72.6	71.7	74.3	74.3
85°	54.0	50.6	49.0	49.8	49.0	50.6	51.5	53.2	55.7	58.2	62.5
87.5°	44.7	42.2	42.2	43.0	44.7	46.4	50.6	55.7	59.9	66.7	74.3
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: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	83.6	84.4	88.6
5°	83.6	84.4	83.6	84.4	84.4	84.4	85.2	85.2	107.2	130.0	91.2
7.5°	89.5	90.3	89.5	88.6	87.8	86.9	91.2	95.4	119.8	85.2	83.6
10°	138.4	139.3	140.1	148.5	161.2	178.9	182.3	182.3	132.5	115.6	130.0
12.5°	149.4	155.3	180.6	189.9	189.9	189.9	188.2	178.1	140.1	183.1	182.3
15°	228.7	247.3	248.1	249.0	248.1	232.1	216.9	212.7	218.6	196.6	187.4
17.5°	292.9	259.1	282.7	236.3	222.8	226.2	229.6	234.6	266.7	249.0	230.4
20°	392.5	393.3	369.7	361.2	355.3	354.5	356.2	359.5	339.3	279.4	257.4
22.5°	468.4	455.8	460.0	465.9	460.8	449.0	443.9	438.0	401.7	368.8	271.8
25°	562.9	560.4	554.5	553.7	566.3	573.9	568.0	559.6	502.2	370.5	290.3
27.5°	687.0	692.1	690.4	672.7	664.2	676.0	664.2	638.9	562.9	460.0	299.6
30°	751.2	763.0	768.9	768.0	747.8	747.8	741.9	758.7	619.5	448.2	307.2
32.5°	925.0	925.9	923.3	924.2	920.8	892.1	862.6	846.5	611.0	458.3	292.9
35°	1020.4	1012.8	1014.5	997.6	977.3	956.2	925.0	886.2	654.1	420.3	258.3
37.5°	1123.4	1095.5	1066.0	1051.6	1022.1	996.8	973.1	926.7	633.0	389.1	221.1
40°	1195.1	1186.7	1130.9	1094.7	1074.4	1034.7	994.2	964.7	593.3	323.2	187.4
42.5°	1280.3	1244.0	1217.9	1147.0	1101.4	1070.2	1012.8	958.8	530.9	261.6	162.9
45°	1386.7	1316.6	1260.1	1214.5	1119.1	1060.1	1006.0	941.0	451.5	213.5	147.7
47.5°	1471.9	1396.0	1298.9	1218.7	1140.2	1023.8	962.1	887.0	376.4	184.0	137.6
50°	1544.5	1437.3	1327.6	1203.5	1102.3	981.6	882.8	822.9	310.6	160.4	125.8
52.5°	1588.4	1469.4	1334.3	1185.8	1043.2	931.8	822.9	737.6	260.8	143.5	113.9
55°	1682.1	1550.4	1376.5	1198.5	1027.1	891.3	791.7	687.0	231.3	128.3	104.7
57.5°	1997.7	1774.1	1558.0	1321.7	1113.2	938.5	818.7	705.6	215.2	117.3	97.1
60°	2398.6	2094.8	1786.7	1482.9	1225.5	1015.3	851.6	733.4	198.3	110.6	92.8
62.5°	2528.6	2176.7	1823.0	1512.4	1217.9	992.5	822.9	692.9	173.9	105.5	92.0
64°	2440.8	2085.5	1742.8	1427.2	1147.8	925.0	761.3	627.9	157.0	103.8	95.4
65°	2340.4	1990.1	1667.7	1359.7	1087.1	865.9	704.7	580.7	146.0	103.0	98.7
67.5°	2050.1	1726.8	1417.1	1128.4	891.3	700.5	546.1	436.3	122.4	105.5	110.6
70°	1721.7	1394.3	1136.0	879.4	676.9	514.8	386.5	298.8	106.3	112.3	119.8
72.5°	1221.3	949.5	782.4	590.8	446.5	325.8	246.4	188.2	93.7	108.9	111.4
75°	483.6	405.1	324.1	252.4	205.9	168.8	141.8	115.6	84.4	97.1	87.8
77.5°	135.9	127.4	118.2	106.3	99.6	93.7	87.8	83.6	76.0	81.9	65.8
80°	91.2	87.8	85.2	82.7	81.0	78.5	76.8	76.0	70.1	68.4	49.0
82.5°	73.4	73.4	74.3	74.3	75.1	76.0	76.0	76.0	68.4	60.8	40.5
85°	66.7	70.9	76.0	81.9	86.1	87.8	88.6	86.9	65.0	52.3	32.1
87.5°	82.7	92.0	101.3	109.7	111.4	114.8	109.7	107.2	52.3	42.2	20.3
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: P157038

CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	81.9	81.9	81.9	81.9	81.9
2.5°	98.7	125.8	131.7	131.7	129.1
5°	84.4	83.6	81.0	81.0	81.0
7.5°	84.4	113.9	128.3	130.8	129.1
10°	129.1	133.4	132.5	130.0	129.1
12.5°	134.2	146.0	172.2	169.6	170.5
15°	219.4	166.3	163.7	158.7	158.7
17.5°	209.3	178.9	187.4	184.0	184.0
20°	231.3	208.5	176.4	175.6	171.3
22.5°	239.7	219.4	191.6	184.0	184.0
25°	246.4	202.6	177.2	188.2	188.2
27.5°	227.0	204.2	172.2	164.6	163.7
30°	232.1	184.8	171.3	162.0	161.2
32.5°	211.8	170.5	154.5	160.4	160.4
35°	189.1	161.2	151.1	152.8	152.8
37.5°	170.5	151.1	151.9	154.5	154.5
40°	153.6	146.0	153.6	157.0	156.1
42.5°	142.6	140.1	143.5	146.9	146.0
45°	132.5	130.8	134.2	135.9	135.0
47.5°	124.1	124.1	124.9	125.8	125.8
50°	115.6	117.3	117.3	117.3	116.5
52.5°	108.0	108.0	109.7	108.9	108.9
55°	100.4	101.3	103.8	102.1	101.3
57.5°	93.7	97.1	97.1	95.4	94.5
60°	90.3	93.7	92.0	88.6	87.8
62.5°	92.0	91.2	87.8	83.6	82.7
64°	94.5	91.2	86.1	81.0	81.0
65°	97.1	91.2	85.2	79.3	79.3
67.5°	107.2	96.2	90.3	78.5	76.8
70°	113.1	103.8	97.1	78.5	75.1
72.5°	103.0	97.9	97.1	76.8	72.6
75°	79.3	82.7	86.9	71.7	68.4
77.5°	60.8	70.1	81.0	62.5	57.4
80°	49.0	66.7	84.4	52.3	43.9
82.5°	42.2	80.2	86.9	43.0	36.3
85°	34.6	90.3	85.2	37.1	26.2
87.5°	25.3	43.0	57.4	33.8	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)