

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: P157131

Luminaire Tested: **UTLD-E02-LED-E-U-T2-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157131  
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-E02-LED-E-U-T2-7050  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5495.4 lumens  
Efficiency: N/A  
Efficacy: 105.5 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

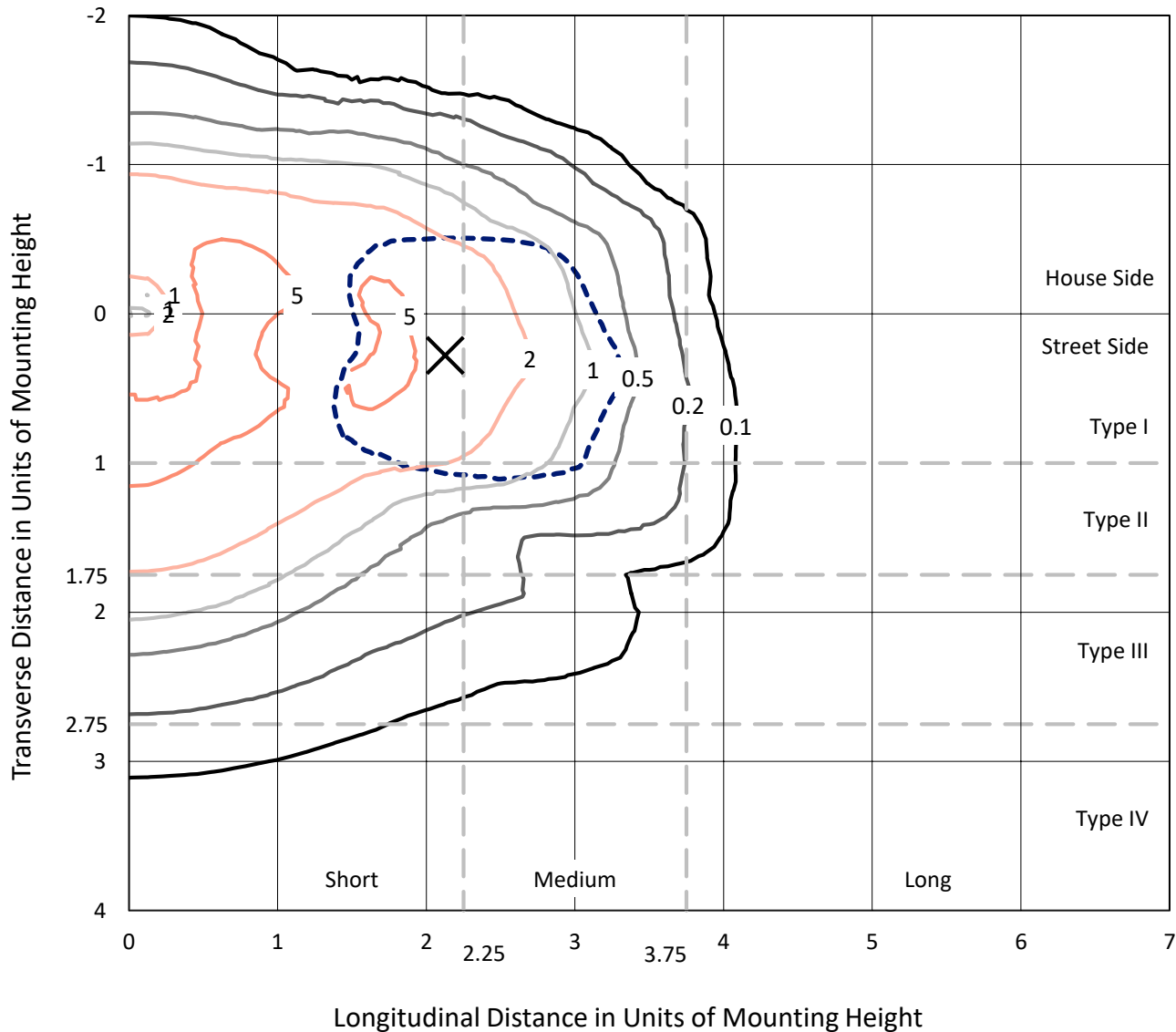
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

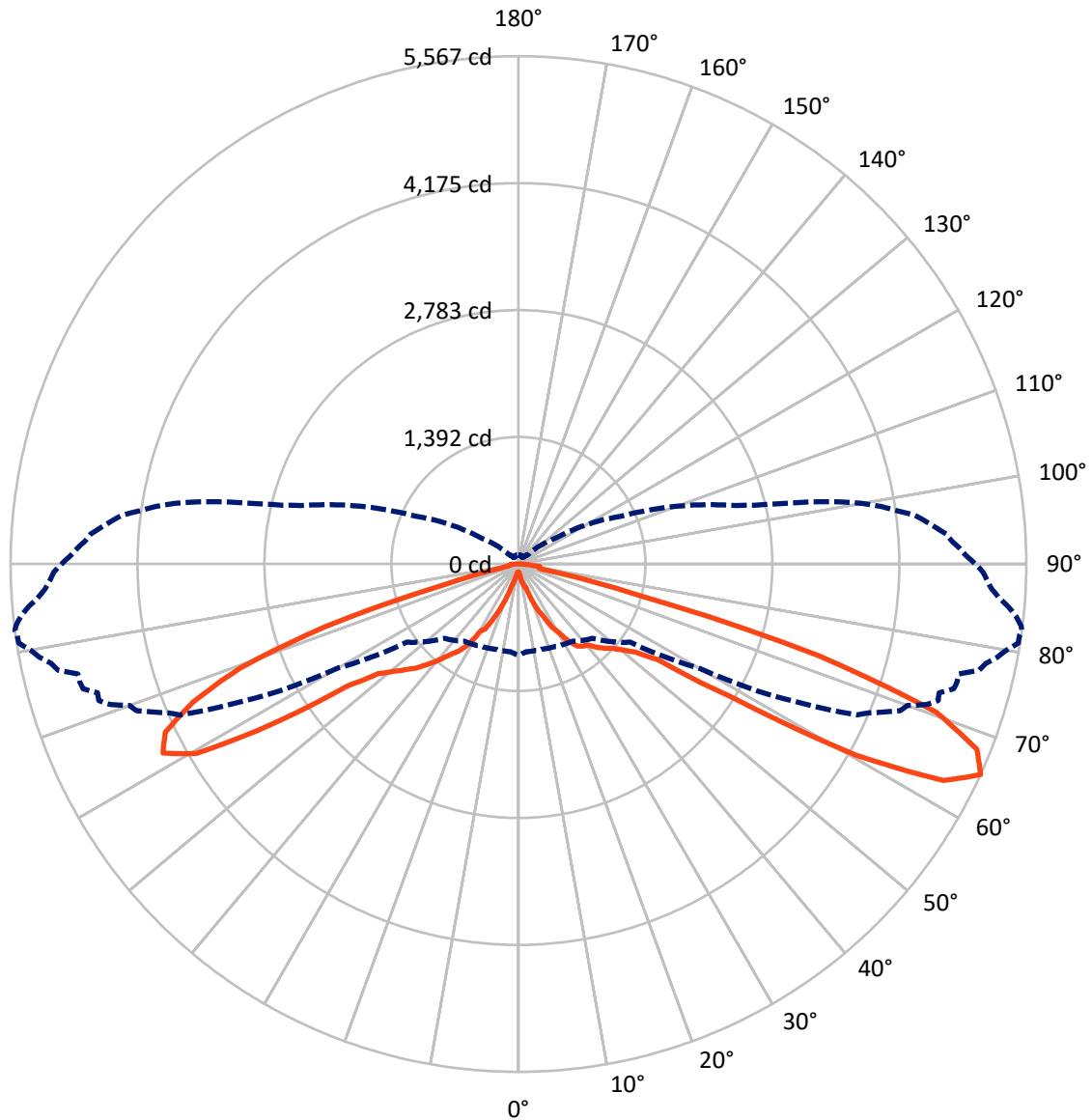


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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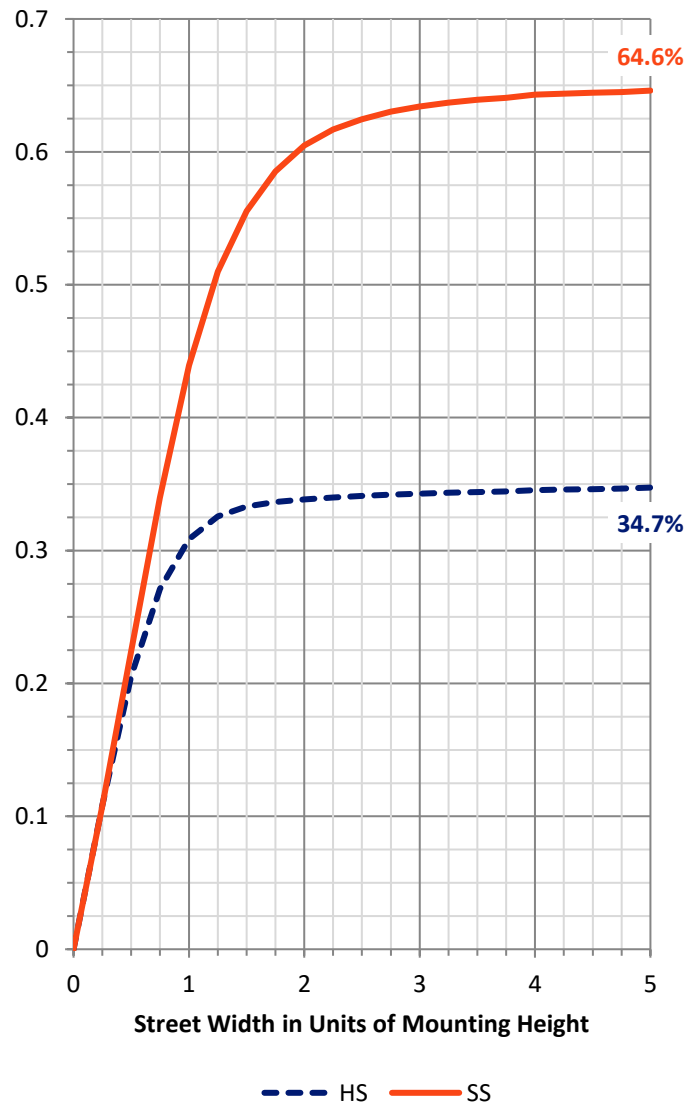
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1936.6	0.0	1936.6
	% Fixture	35.2	0.0	35.2
<b>Street Side</b>	Lumens	3558.8	0.0	3558.8
	% Fixture	64.8	0.0	64.8
<b>Total</b>	Lumens	5495.4	0.0	5495.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	0.2
10°-20°	81.1	1.5
20°-30°	271.6	4.9
30°-40°	599.4	10.9
40°-50°	947.3	17.2
50°-60°	1343.8	24.5
60°-70°	1598.8	29.1
70°-80°	540.6	9.8
80°-90°	100.2	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°	5495.4	100.0
0°-180°	5495.4	100.0

**Coefficient of Utilization**



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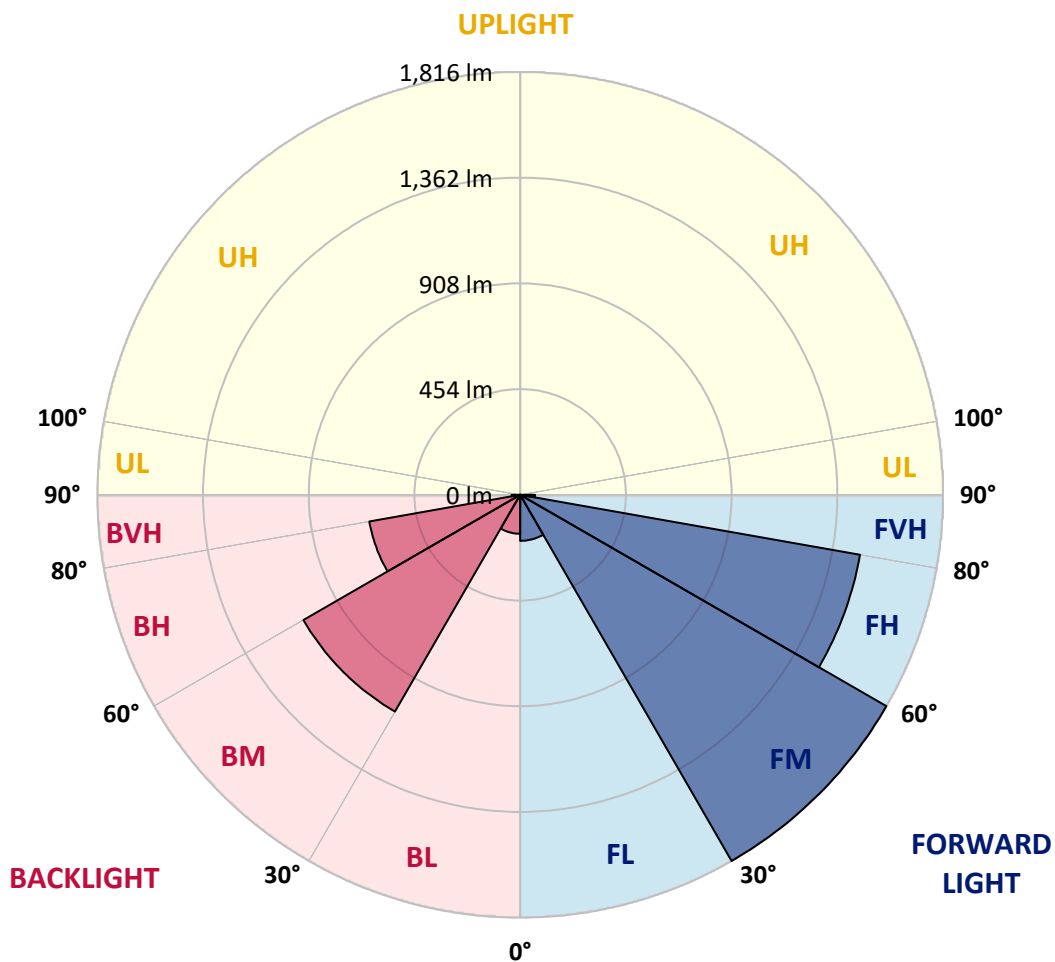
CATALOG NUMBER: UTLD-E02-LED-E-U-T2-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.7	3.6			
FM (30°-60°)	1815.7	33.0			
FH (60°-80°)	1481.7	27.0			G1/1800
FVH (80°-90°)	63.6	1.2			G1/100
BL (0°-30°)	167.5	3.0	B1/500		
BM (30°-60°)	1074.7	19.6	B2/2500		
BH (60°-80°)	657.7	12.0	B2/1000		G2/1000
BVH (80°-90°)	36.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	125.2	125.2	125.2	131.3	146.7	146.7	145.7	146.7	144.7	142.6	139.6
5°	130.3	133.4	131.3	130.3	128.3	127.2	126.2	125.2	125.2	127.2	132.4
7.5°	199.1	200.1	199.1	201.1	195.0	140.6	131.3	130.3	133.4	134.4	132.4
10°	237.0	221.6	216.5	212.4	207.3	198.0	197.0	191.9	189.8	188.8	183.7
12.5°	302.7	302.7	300.6	287.3	274.0	266.8	272.9	258.6	256.5	250.4	231.9
15°	399.2	398.1	330.4	315.0	354.0	336.6	284.2	300.6	317.1	315.0	316.0
17.5°	426.9	426.9	421.7	405.3	381.7	358.1	384.8	336.6	335.5	336.6	341.7
20°	529.5	529.5	508.9	473.0	451.5	427.9	412.5	450.5	438.1	428.9	421.7
22.5°	533.6	533.6	519.2	546.9	508.9	486.4	527.4	535.6	545.9	546.9	535.6
25°	616.7	617.7	603.4	562.3	568.5	557.2	579.7	635.2	635.2	625.9	652.6
27.5°	703.9	704.9	615.7	633.1	612.6	653.6	714.2	741.9	721.4	728.5	730.6
30°	745.0	746.0	740.8	734.7	710.1	726.5	757.3	782.9	796.3	845.5	830.1
32.5°	919.4	920.4	887.6	811.6	826.0	856.8	870.1	876.3	891.7	899.9	899.9
35°	1126.7	1123.6	1064.1	997.4	954.3	948.1	964.5	1016.9	1043.5	1017.9	1029.2
37.5°	1292.9	1278.5	1211.8	1168.7	1122.6	1110.2	1123.6	1116.4	1118.5	1085.6	1085.6
40°	1407.8	1408.8	1371.9	1335.0	1265.2	1286.7	1249.8	1239.5	1211.8	1205.7	1179.0
42.5°	1528.9	1534.0	1486.8	1440.7	1375.0	1433.5	1400.6	1385.2	1323.7	1341.1	1307.3
45°	1655.1	1659.2	1604.8	1541.2	1483.7	1573.0	1565.8	1540.2	1508.4	1511.5	1475.5
47.5°	1748.5	1756.7	1695.1	1620.2	1581.2	1686.9	1722.8	1720.8	1716.7	1687.9	1673.6
50°	1802.9	1808.0	1740.3	1684.9	1636.6	1772.1	1885.0	1903.4	1936.3	1879.8	1917.8
52.5°	1820.3	1823.4	1755.7	1695.1	1649.0	1819.3	2008.1	2109.7	2133.3	2123.0	2182.5
55°	1772.1	1776.2	1725.9	1671.5	1630.5	1826.5	2106.6	2304.6	2319.0	2348.8	2467.8
57.5°	1693.1	1691.0	1680.8	1623.3	1619.2	1820.3	2188.7	2553.0	2561.2	2705.8	2919.3
60°	1591.5	1595.6	1590.5	1560.7	1579.2	1754.6	2171.2	2692.5	2787.9	3010.6	3348.2
62.5°	1432.4	1439.6	1418.1	1377.0	1391.4	1527.9	1966.0	2627.9	2850.5	3139.9	3550.3
65°	1001.5	965.6	967.6	992.2	1034.3	1151.3	1494.0	2275.9	2626.8	2964.4	3505.2
67.5°	576.7	586.9	585.9	610.5	661.8	754.2	955.3	1523.8	1840.8	2232.8	2912.1
70°	443.3	443.3	457.6	490.5	522.3	629.0	686.5	825.0	970.7	1234.4	1864.4
72.5°	333.5	332.5	345.8	376.6	440.2	575.6	803.4	570.5	590.0	641.3	1008.7
75°	193.9	188.8	193.9	215.5	268.8	429.9	812.7	635.2	606.4	569.5	634.1
77.5°	100.6	100.6	105.7	110.8	137.5	220.6	585.9	775.7	751.1	688.5	646.4
80°	57.5	59.5	63.6	63.6	66.7	91.3	254.5	759.3	838.3	857.8	841.4
82.5°	28.7	32.8	45.1	45.1	44.1	46.2	95.4	445.3	606.4	752.1	1013.8
85°	16.4	17.4	29.8	32.8	31.8	27.7	44.1	199.1	266.8	387.9	579.7
87.5°	6.2	9.2	14.4	16.4	18.5	14.4	25.7	56.4	75.9	104.7	128.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	139.6	134.4	136.5	131.3	122.1	118.0	117.0	115.9	114.9	108.8	108.8
5°	136.5	137.5	140.6	141.6	141.6	142.6	144.7	143.7	144.7	142.6	141.6
7.5°	130.3	127.2	124.2	122.1	122.1	122.1	122.1	123.1	127.2	133.4	136.5
10°	182.6	182.6	183.7	181.6	184.7	183.7	183.7	182.6	182.6	183.7	183.7
12.5°	203.2	197.0	196.0	193.9	195.0	193.9	195.0	200.1	199.1	200.1	198.0
15°	322.2	321.2	320.1	315.0	298.6	284.2	281.2	279.1	267.8	263.7	261.7
17.5°	340.7	335.5	340.7	338.6	333.5	328.4	324.2	316.0	292.4	292.4	289.4
20°	428.9	441.2	445.3	467.9	464.8	473.0	473.0	470.0	471.0	467.9	455.6
22.5°	521.3	508.9	501.8	513.1	515.1	510.0	521.3	519.2	544.9	532.5	567.4
25°	655.7	682.4	698.8	683.4	676.2	679.3	688.5	677.2	683.4	679.3	681.3
27.5°	731.6	745.0	735.7	734.7	738.8	741.9	728.5	728.5	727.5	753.2	777.8
30°	851.7	840.4	840.4	846.5	855.8	855.8	844.5	841.4	852.7	842.4	854.7
32.5°	896.8	890.7	912.2	983.0	986.1	971.7	972.7	986.1	987.1	1001.5	1003.5
35°	1016.9	1034.3	1046.6	1049.7	1037.4	1036.4	1049.7	1056.9	1071.3	1072.3	1084.6
37.5°	1097.9	1105.1	1106.1	1102.0	1083.6	1095.9	1103.1	1112.3	1112.3	1122.6	1117.4
40°	1188.2	1191.3	1190.3	1157.4	1152.3	1166.7	1170.8	1167.7	1166.7	1168.7	1164.6
42.5°	1306.2	1300.1	1269.3	1244.7	1249.8	1249.8	1243.6	1229.3	1236.5	1221.1	1213.9
45°	1460.1	1444.8	1395.5	1374.0	1375.0	1355.5	1331.9	1328.8	1309.3	1290.8	1308.3
47.5°	1668.4	1620.2	1572.0	1552.5	1532.0	1501.2	1461.2	1445.8	1416.0	1399.6	1401.7
50°	1917.8	1846.0	1814.2	1818.3	1777.2	1719.8	1686.9	1639.7	1585.3	1580.2	1557.6
52.5°	2163.0	2124.0	2133.3	2130.2	2079.9	2026.6	1997.8	1960.9	1901.4	1874.7	1811.1
55°	2416.5	2436.0	2490.4	2488.3	2463.7	2456.5	2442.1	2410.3	2419.6	2351.8	2272.8
57.5°	2900.8	2998.3	3128.6	3178.9	3173.7	3194.3	3244.5	3298.9	3341.0	3287.6	3295.9
60°	3480.5	3685.8	3879.7	3965.9	4111.6	4179.3	4292.2	4438.9	4538.5	4464.6	4591.8
62.5°	3776.1	4070.6	4218.3	4318.9	4511.8	4608.2	4756.0	4922.2	4963.3	5019.7	5161.3
65°	3806.9	4065.4	4172.1	4329.1	4483.1	4535.4	4731.4	4838.1	4822.7	4963.3	4978.7
67.5°	3345.1	3565.7	3735.0	3965.9	4082.9	4204.0	4366.1	4386.6	4451.2	4565.1	4485.1
70°	2376.5	2733.5	2962.4	3229.2	3413.9	3608.8	3762.7	3776.1	3880.7	3916.6	3875.6
72.5°	1285.7	1634.6	1909.6	2237.9	2454.4	2677.1	2816.7	2897.7	2938.8	2884.4	2987.0
75°	724.4	867.1	1044.6	1214.9	1386.3	1471.4	1536.1	1566.9	1499.1	1478.6	1476.6
77.5°	612.6	605.4	619.8	589.0	597.2	575.6	579.7	527.4	491.5	517.2	515.1
80°	752.1	684.4	605.4	498.7	426.9	363.2	327.3	317.1	330.4	365.3	389.9
82.5°	999.4	987.1	856.8	720.3	605.4	484.3	392.0	338.6	344.8	368.4	413.5
85°	686.5	716.2	635.2	595.1	489.5	410.4	338.6	271.9	249.3	238.1	226.8
87.5°	138.5	121.1	108.8	102.6	89.3	79.0	70.8	64.6	65.7	61.6	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	102.6	97.5	98.5	95.4	93.4	92.3	95.4	95.4	94.4	93.4	89.3
5°	139.6	138.5	134.4	129.3	123.1	111.8	105.7	100.6	97.5	96.5	94.4
7.5°	138.5	137.5	136.5	136.5	136.5	135.4	135.4	132.4	129.3	120.1	99.5
10°	183.7	188.8	200.1	206.2	206.2	205.2	199.1	198.0	197.0	196.0	187.8
12.5°	198.0	192.9	192.9	193.9	201.1	208.3	212.4	210.4	210.4	210.4	207.3
15°	260.6	260.6	259.6	259.6	259.6	261.7	260.6	266.8	270.9	268.8	269.9
17.5°	289.4	293.5	291.4	291.4	285.3	274.0	295.5	269.9	268.8	302.7	331.4
20°	438.1	437.1	431.0	428.9	424.8	422.8	425.8	426.9	427.9	426.9	433.0
22.5°	564.4	546.9	533.6	530.5	543.8	549.0	542.8	543.8	539.7	540.8	531.5
25°	686.5	671.1	686.5	670.0	658.8	647.5	646.4	640.3	648.5	652.6	664.9
27.5°	795.2	803.4	802.4	811.6	797.3	785.0	786.0	780.9	790.1	800.4	789.1
30°	856.8	864.0	859.9	848.6	853.7	856.8	876.3	873.2	869.1	846.5	836.3
32.5°	1011.7	1008.7	1000.5	1007.6	1031.2	1043.5	1012.8	1005.6	1006.6	1019.9	1011.7
35°	1078.4	1078.4	1080.5	1112.3	1120.5	1097.9	1096.9	1103.1	1116.4	1091.8	1077.4
37.5°	1112.3	1119.5	1147.2	1155.4	1130.8	1130.8	1149.2	1144.1	1132.8	1129.7	1143.1
40°	1162.6	1192.3	1201.6	1176.9	1178.0	1195.4	1176.9	1163.6	1172.8	1203.6	1204.6
42.5°	1241.6	1253.9	1228.2	1224.1	1248.8	1227.2	1227.2	1245.7	1257.0	1254.9	1266.2
45°	1318.5	1296.0	1280.6	1303.2	1287.8	1270.3	1311.4	1315.5	1315.5	1326.8	1343.2
47.5°	1391.4	1354.5	1369.9	1360.6	1326.8	1374.0	1383.2	1382.2	1388.3	1407.8	1402.7
50°	1499.1	1473.5	1468.4	1421.2	1449.9	1468.4	1467.3	1479.6	1490.9	1484.8	1529.9
52.5°	1719.8	1710.5	1624.3	1595.6	1610.0	1593.5	1610.0	1601.8	1600.7	1638.7	1641.8
55°	2197.9	2145.6	1994.7	1988.6	1910.6	1846.0	1867.5	1847.0	1856.2	1880.9	1898.3
57.5°	3292.8	3137.8	3095.8	3074.2	2921.3	2746.9	2728.4	2753.0	2750.0	2711.0	2775.6
60°	4593.9	4485.1	4601.1	4516.9	4397.9	4340.4	4256.3	4253.2	4217.3	4187.5	4119.8
62.5°	5070.0	5207.5	5316.3	5320.4	5347.0	5317.3	5275.2	5224.9	5232.1	5149.0	5122.3
65°	4977.6	5180.8	5237.2	5348.1	5431.2	5546.1	5548.2	5566.6	5550.2	5484.5	5392.2
67.5°	4669.8	4767.3	4829.9	4961.2	5126.4	5278.3	5402.4	5420.9	5432.2	5394.2	5257.8
70°	4055.2	4096.2	4184.5	4316.8	4516.9	4667.8	4837.1	4854.5	4890.4	4850.4	4755.0
72.5°	3002.4	2990.1	3036.2	3127.6	3222.0	3326.6	3434.4	3441.6	3520.6	3441.6	3331.8
75°	1395.5	1359.6	1329.8	1324.7	1336.0	1366.8	1363.7	1322.6	1311.4	1218.0	1151.3
77.5°	478.2	465.9	441.2	403.3	360.2	307.8	269.9	251.4	234.0	208.3	199.1
80°	421.7	449.4	446.4	416.6	366.3	306.8	250.4	222.7	199.1	160.1	144.7
82.5°	486.4	547.9	594.1	562.3	483.3	393.0	285.3	238.1	195.0	132.4	107.7
85°	232.9	229.8	252.4	214.5	203.2	148.8	111.8	94.4	86.2	70.8	65.7
87.5°	61.6	62.6	64.6	64.6	62.6	58.5	57.5	55.4	54.4	50.3	47.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: UTLD-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	89.3	88.2	88.2	87.2	87.2	87.2	87.2	87.2	86.2	86.2	86.2
5°	95.4	95.4	94.4	91.3	89.3	89.3	88.2	88.2	87.2	87.2	87.2
7.5°	91.3	90.3	89.3	90.3	92.3	93.4	93.4	92.3	91.3	92.3	92.3
10°	159.0	147.8	144.7	143.7	141.6	141.6	140.6	138.5	135.4	134.4	134.4
12.5°	202.1	164.2	159.0	158.0	156.0	154.9	153.9	148.8	146.7	148.8	149.8
15°	268.8	254.5	223.7	224.7	225.7	224.7	224.7	222.7	219.6	216.5	216.5
17.5°	310.9	322.2	285.3	296.5	288.3	297.6	292.4	288.3	294.5	270.9	278.1
20°	429.9	429.9	413.5	388.9	392.0	396.1	401.2	400.2	395.1	385.8	381.7
22.5°	539.7	533.6	539.7	524.3	519.2	526.4	494.6	511.0	505.9	512.0	513.1
25°	670.0	672.1	650.6	632.1	616.7	618.7	631.1	628.0	612.6	617.7	633.1
27.5°	777.8	786.0	801.4	779.8	766.5	762.4	758.3	761.4	782.9	780.9	762.4
30°	846.5	835.2	832.2	842.4	859.9	846.5	864.0	837.3	829.1	854.7	853.7
32.5°	979.9	996.3	1011.7	1008.7	1010.7	1029.2	1018.9	1021.0	1013.8	1006.6	1021.0
35°	1094.9	1095.9	1085.6	1100.0	1095.9	1101.0	1114.4	1115.4	1119.5	1117.4	1118.5
37.5°	1142.1	1150.3	1154.4	1128.7	1156.4	1158.5	1170.8	1181.0	1201.6	1217.0	1224.1
40°	1218.0	1212.9	1203.6	1231.3	1205.7	1222.1	1251.8	1271.3	1293.9	1324.7	1335.0
42.5°	1278.5	1278.5	1294.9	1287.8	1319.6	1313.4	1347.3	1380.1	1408.8	1416.0	1471.4
45°	1344.2	1375.0	1378.1	1394.5	1415.0	1453.0	1456.0	1482.7	1514.5	1554.5	1573.0
47.5°	1443.7	1446.8	1484.8	1506.3	1535.1	1567.9	1586.4	1595.6	1635.6	1668.4	1689.0
50°	1526.8	1579.2	1601.8	1636.6	1674.6	1691.0	1719.8	1742.3	1757.7	1779.3	1792.6
52.5°	1681.8	1716.7	1767.0	1800.8	1838.8	1866.5	1891.1	1932.2	1933.2	1931.1	1945.5
55°	1940.4	2012.2	2091.2	2116.9	2189.7	2224.6	2267.7	2292.3	2329.3	2292.3	2301.6
57.5°	2821.8	2936.7	3000.3	3085.5	3152.2	3202.5	3214.8	3244.5	3297.9	3291.7	3257.9
60°	4195.7	4209.1	4259.4	4324.0	4319.9	4378.4	4341.5	4386.6	4306.6	4297.3	4214.2
62.5°	5074.1	5047.4	5042.3	5035.1	5011.5	4968.4	4913.0	4868.9	4798.1	4695.5	4624.7
65°	5278.3	5195.2	5138.7	5094.6	5007.4	4915.0	4841.2	4759.1	4700.6	4593.9	4487.2
67.5°	5119.2	5017.7	4916.1	4783.7	4688.3	4574.4	4464.6	4392.8	4285.0	4225.5	4052.1
70°	4644.2	4461.5	4291.2	4119.8	4036.7	3883.8	3781.2	3728.9	3621.1	3555.5	3427.2
72.5°	3244.5	3096.8	2848.5	2718.2	2690.4	2579.6	2534.5	2509.9	2457.5	2398.0	2331.3
75°	1095.9	1045.6	983.0	856.8	891.7	842.4	810.6	856.8	839.4	840.4	807.5
77.5°	191.9	185.7	177.5	168.3	165.2	168.3	164.2	170.3	171.4	174.4	171.4
80°	137.5	130.3	125.2	121.1	118.0	119.0	115.9	117.0	115.9	117.0	115.9
82.5°	98.5	94.4	89.3	86.2	85.2	86.2	84.1	87.2	89.3	92.3	95.4
85°	61.6	60.5	57.5	56.4	56.4	55.4	56.4	60.5	64.6	69.8	72.9
87.5°	44.1	44.1	42.1	44.1	44.1	46.2	49.3	54.4	59.5	64.6	70.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: UTLD-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	86.2	86.2	86.2	86.2	86.2	86.2	86.2	85.2	85.2	86.2	86.2
5°	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	90.3	135.4
7.5°	91.3	91.3	91.3	90.3	90.3	90.3	91.3	92.3	91.3	129.3	88.2
10°	136.5	138.5	140.6	139.6	140.6	141.6	142.6	142.6	156.0	137.5	94.4
12.5°	150.8	150.8	151.9	150.8	149.8	164.2	193.9	193.9	195.0	151.9	150.8
15°	213.4	210.4	213.4	222.7	251.4	255.5	256.5	255.5	243.2	226.8	217.5
17.5°	256.5	244.2	257.6	281.2	255.5	254.5	239.1	227.8	231.9	283.2	293.5
20°	387.9	402.2	409.4	421.7	412.5	387.9	378.6	379.7	377.6	386.8	327.3
22.5°	506.9	525.4	523.3	518.2	503.8	519.2	525.4	486.4	479.2	510.0	528.4
25°	658.8	649.5	651.6	641.3	636.2	638.2	644.4	674.2	673.1	729.6	588.0
27.5°	787.0	799.3	791.1	792.2	810.6	798.3	818.8	818.8	860.9	797.3	788.0
30°	840.4	852.7	876.3	882.5	900.9	912.2	910.2	917.3	920.4	963.5	859.9
32.5°	1048.7	1036.4	1054.8	1082.5	1092.8	1102.0	1130.8	1127.7	1111.3	1067.1	982.0
35°	1144.1	1170.8	1170.8	1173.9	1219.0	1222.1	1219.0	1236.5	1223.1	1194.4	1035.3
37.5°	1238.5	1248.8	1281.6	1286.7	1279.6	1313.4	1314.4	1305.2	1318.5	1266.2	1133.8
40°	1350.4	1364.7	1369.9	1398.6	1384.2	1380.1	1419.1	1404.7	1395.5	1331.9	1163.6
42.5°	1477.6	1473.5	1481.7	1483.7	1499.1	1482.7	1481.7	1513.5	1488.9	1386.3	1160.5
45°	1605.9	1588.4	1580.2	1581.2	1579.2	1587.4	1561.7	1579.2	1582.3	1415.0	1133.8
47.5°	1686.9	1709.5	1689.0	1671.5	1660.2	1661.3	1653.1	1613.0	1644.8	1424.2	1091.8
50°	1813.1	1811.1	1809.0	1770.0	1758.7	1737.2	1726.9	1698.2	1675.6	1394.5	1045.6
52.5°	1954.7	1950.6	1955.8	1921.9	1878.8	1852.1	1821.3	1794.7	1742.3	1364.7	994.3
55°	2304.6	2295.4	2267.7	2258.5	2179.4	2111.7	2027.6	1976.3	1930.1	1362.7	934.8
57.5°	3247.6	3205.6	3133.7	3078.3	2929.5	2786.9	2655.6	2505.7	2402.1	1476.6	889.6
60°	4117.8	4064.4	3972.1	3793.5	3638.6	3388.2	3150.1	2953.1	2772.5	1596.6	838.3
62.5°	4468.7	4356.8	4220.4	4043.9	3780.2	3538.0	3212.7	2984.9	2757.1	1525.8	708.0
65°	4381.5	4193.7	4026.4	3828.4	3576.0	3273.3	2941.8	2667.9	2469.8	1232.4	491.5
67.5°	3965.9	3793.5	3626.3	3393.3	3114.2	2776.6	2492.4	2209.2	2031.7	877.3	274.0
70°	3319.5	3188.1	2984.9	2759.2	2505.7	2198.9	1909.6	1663.3	1486.8	535.6	133.4
72.5°	2282.1	2170.2	2085.0	1893.2	1636.6	1359.6	1196.4	1004.6	898.9	274.0	88.2
75°	825.0	834.2	768.6	734.7	650.6	524.3	461.7	388.9	339.6	124.2	87.2
77.5°	191.9	188.8	199.1	204.2	189.8	173.4	156.0	143.7	134.4	97.5	92.3
80°	117.0	115.9	114.9	113.9	112.9	111.8	110.8	108.8	106.7	95.4	93.4
82.5°	97.5	98.5	98.5	98.5	99.5	99.5	100.6	100.6	99.5	95.4	94.4
85°	75.9	79.0	82.1	85.2	89.3	93.4	95.4	96.5	96.5	93.4	93.4
87.5°	75.9	80.0	85.2	91.3	97.5	102.6	106.7	108.8	108.8	94.4	92.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: UTLD-E02-LED-E-U-T2-7050

**CANDELA DISTRIBUTION (continued):**

	135°	145°	155°	165°	175°	180°
0°	88.2	88.2	88.2	88.2	88.2	88.2
2.5°	91.3	89.3	90.3	97.5	93.4	91.3
5°	137.5	106.7	89.3	88.2	87.2	86.2
7.5°	91.3	91.3	93.4	115.9	128.3	135.4
10°	102.6	146.7	153.9	150.8	151.9	149.8
12.5°	207.3	156.0	163.2	183.7	213.4	213.4
15°	224.7	274.0	222.7	224.7	221.6	221.6
17.5°	294.5	292.4	237.0	286.3	290.4	290.4
20°	372.5	337.6	350.9	307.8	302.7	301.7
22.5°	402.2	416.6	371.5	377.6	377.6	375.6
25°	535.6	468.9	438.1	389.9	433.0	423.8
27.5°	623.9	519.2	513.1	460.7	454.6	450.5
30°	739.8	650.6	547.9	524.3	523.3	519.2
32.5°	803.4	678.3	593.1	540.8	578.7	576.7
35°	875.3	707.0	628.0	589.0	562.3	558.2
37.5°	879.4	719.3	608.5	598.2	590.0	586.9
40°	890.7	694.7	606.4	597.2	589.0	585.9
42.5°	857.8	660.8	576.7	542.8	527.4	523.3
45°	812.7	608.5	515.1	477.1	458.7	454.6
47.5°	759.3	561.3	449.4	414.5	388.9	381.7
50°	703.9	499.7	384.8	342.7	318.1	309.9
52.5°	643.4	421.7	313.0	277.0	251.4	246.3
55°	570.5	339.6	244.2	219.6	204.2	200.1
57.5°	476.1	255.5	186.8	175.5	168.3	166.2
60°	365.3	179.6	140.6	143.7	140.6	142.6
62.5°	250.4	119.0	107.7	117.0	118.0	118.0
65°	145.7	86.2	87.2	98.5	99.5	100.6
67.5°	89.3	71.8	75.9	87.2	88.2	88.2
70°	74.9	66.7	70.8	82.1	83.1	83.1
72.5°	72.9	66.7	68.7	80.0	81.1	82.1
75°	73.9	65.7	68.7	80.0	79.0	78.0
77.5°	75.9	65.7	67.7	80.0	81.1	75.9
80°	74.9	63.6	64.6	85.2	82.1	69.8
82.5°	71.8	59.5	57.5	90.3	72.9	62.6
85°	66.7	53.4	47.2	98.5	71.8	45.1
87.5°	38.0	44.1	34.9	86.2	65.7	35.9
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)