

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: P157139

Luminaire Tested: **UTLD-E03-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157139
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-E03-LED-E-U-T2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7337.3 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
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

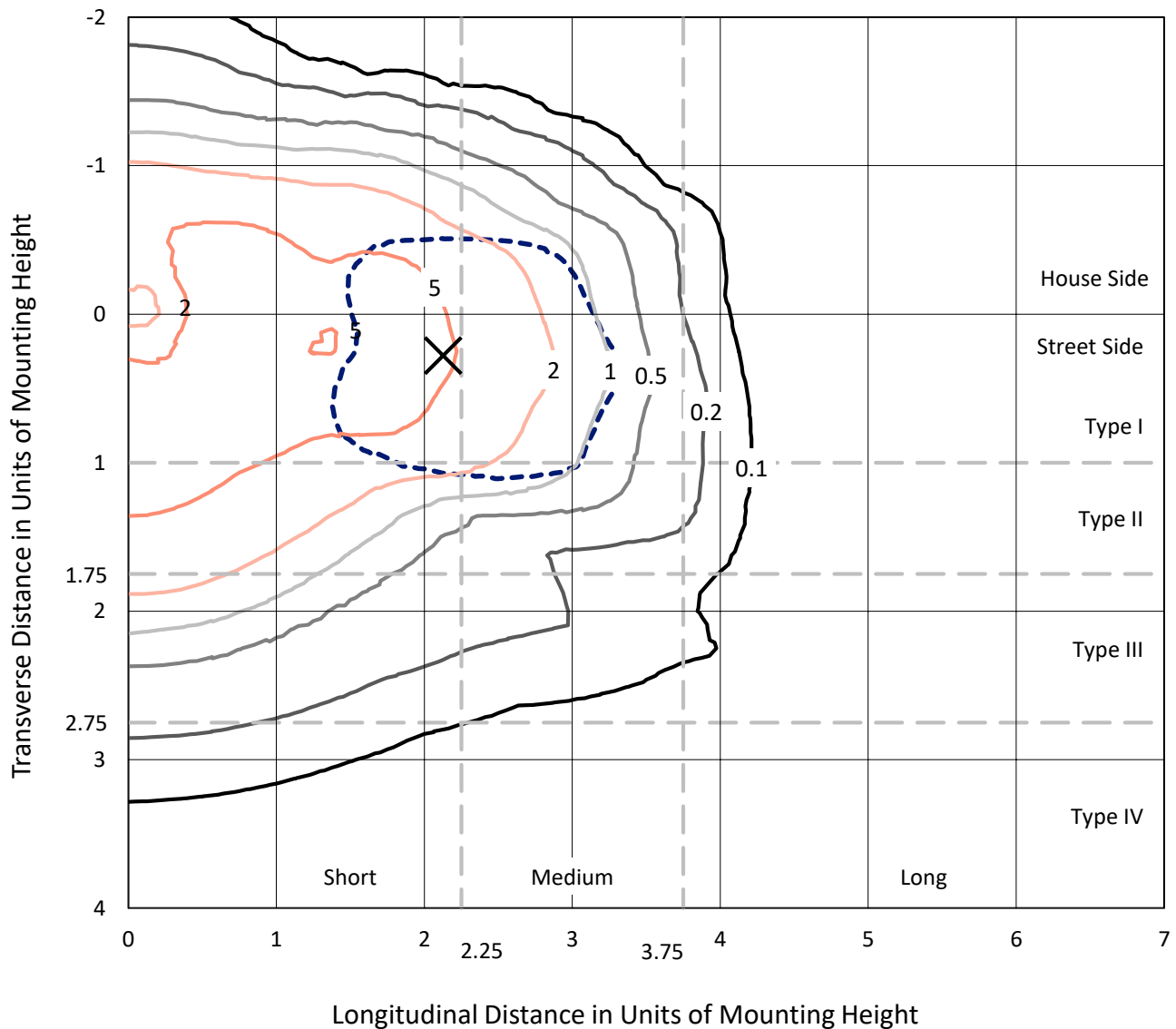


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

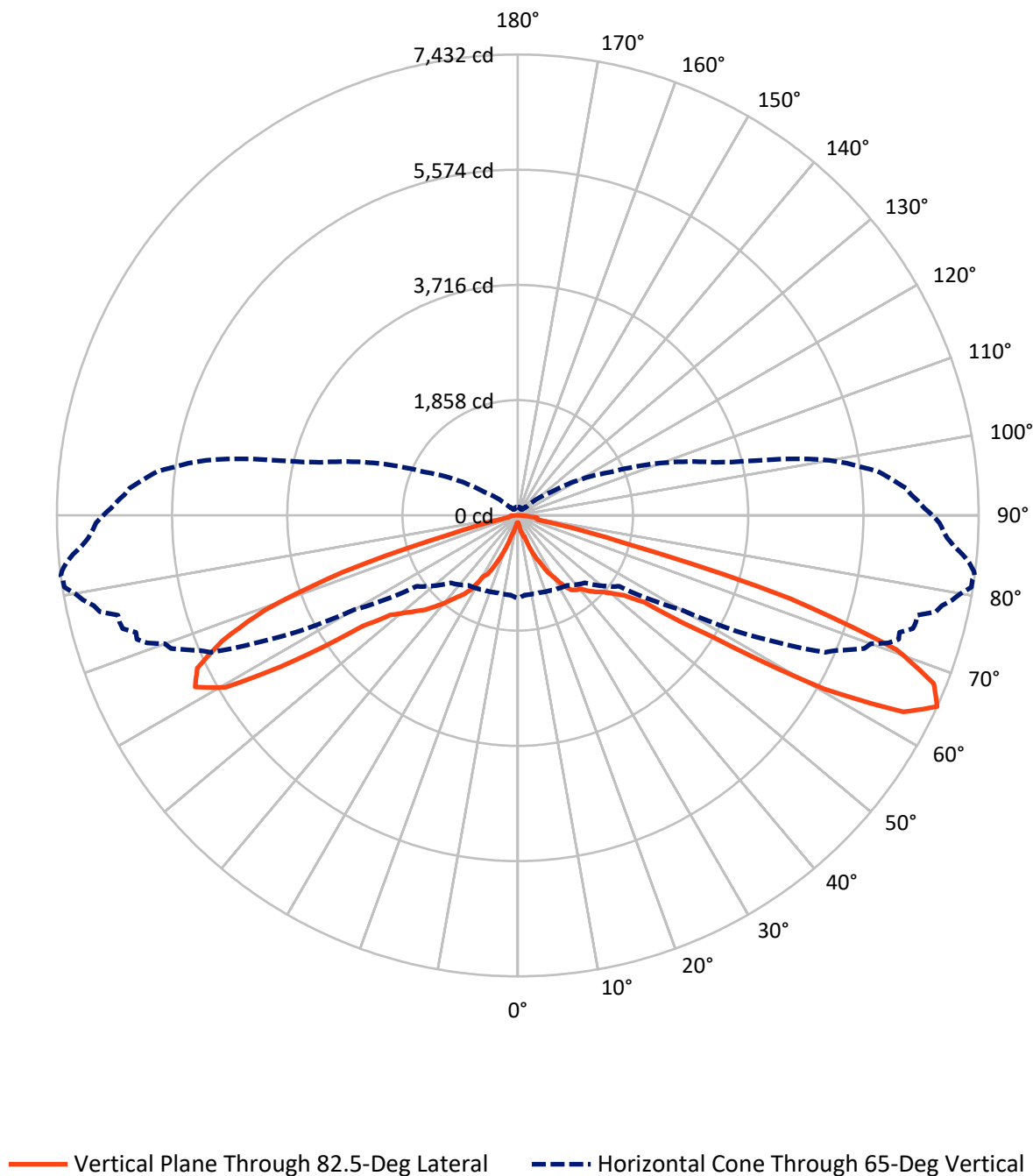


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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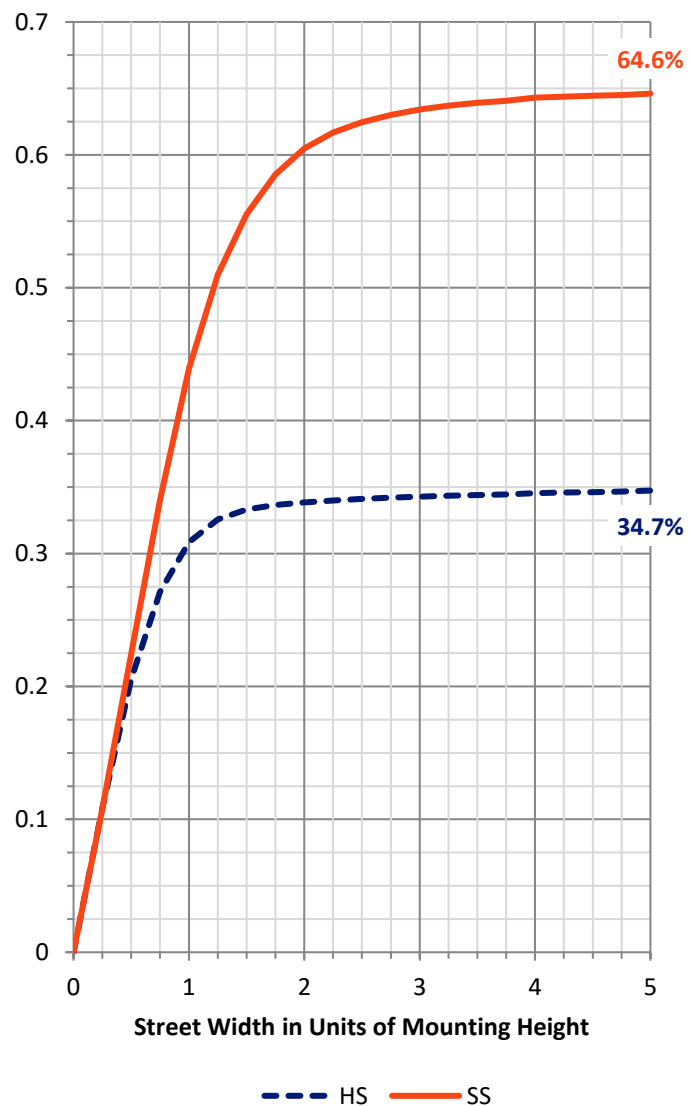
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2585.7	0.0	2585.7
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	4751.6	0.0	4751.6
	% Fixture	64.8	0.0	64.8
Total	Lumens	7337.3	0.0	7337.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.2
10°-20°	108.3	1.5
20°-30°	362.6	4.9
30°-40°	800.2	10.9
40°-50°	1264.8	17.2
50°-60°	1794.3	24.5
60°-70°	2134.7	29.1
70°-80°	721.9	9.8
80°-90°	133.9	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°	7337.3	100.0
0°-180°	7337.3	100.0

Coefficient of Utilization



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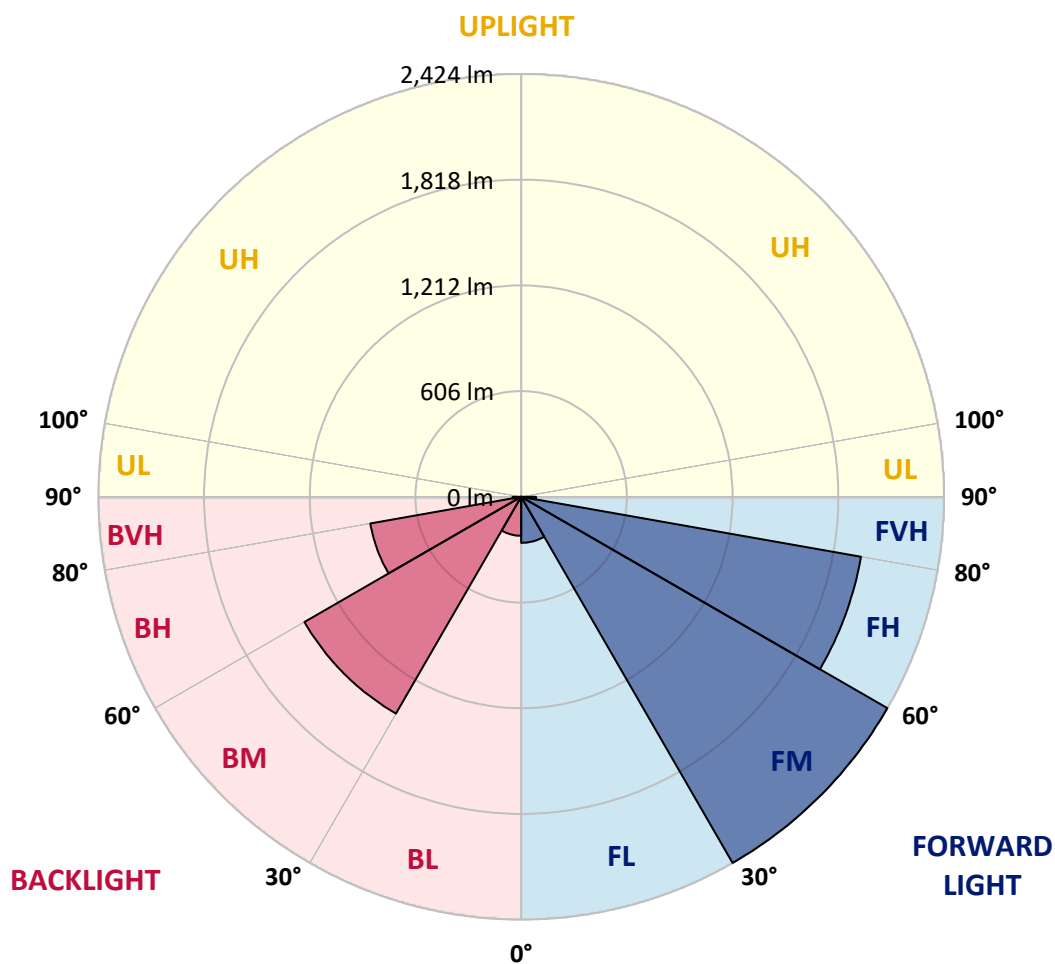
CATALOG NUMBER: UTLD-E03-LED-E-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.0	3.6			
FM	(30°-60°)	2424.3	33.0			
FH	(60°-80°)	1978.4	27.0			G2/5000
FVH	(80°-90°)	84.9	1.2			G1/100
BL	(0°-30°)	223.6	3.0	B1/500		
BM	(30°-60°)	1435.0	19.6	B2/2500		
BH	(60°-80°)	878.2	12.0	B2/1000		G2/1000
BVH	(80°-90°)	49.0	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°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8
2.5°	167.1	167.1	167.1	175.4	195.9	195.9	194.5	195.9	193.2	190.4	186.3
5°	174.0	178.1	175.4	174.0	171.3	169.9	168.5	167.1	167.1	169.9	176.7
7.5°	265.8	267.2	265.8	268.5	260.3	187.7	175.4	174.0	178.1	179.5	176.7
10°	316.5	295.9	289.1	283.6	276.7	264.4	263.0	256.2	253.5	252.1	245.2
12.5°	404.2	404.2	401.4	383.6	365.8	356.2	364.4	345.2	342.5	334.3	309.6
15°	532.9	531.6	441.1	420.6	472.7	449.4	379.5	401.4	423.3	420.6	422.0
17.5°	569.9	569.9	563.1	541.2	509.6	478.1	513.8	449.4	448.0	449.4	456.2
20°	706.9	706.9	679.5	631.6	602.8	571.3	550.8	601.4	585.0	572.7	563.1
22.5°	712.4	712.4	693.2	730.2	679.5	649.4	704.2	715.2	728.9	730.2	715.2
25°	823.4	824.8	805.6	750.8	759.0	743.9	774.1	848.0	848.0	835.7	871.3
27.5°	939.8	941.2	822.0	845.3	817.9	872.7	953.5	990.5	963.1	972.7	975.5
30°	994.6	996.0	989.2	980.9	948.1	970.0	1011.1	1045.3	1063.1	1128.9	1108.4
32.5°	1227.5	1228.9	1185.1	1083.7	1102.9	1144.0	1161.8	1170.0	1190.6	1201.5	1201.5
35°	1504.3	1500.2	1420.7	1331.7	1274.1	1265.9	1287.8	1357.7	1393.3	1359.1	1374.1
37.5°	1726.2	1707.1	1618.0	1560.5	1498.8	1482.4	1500.2	1490.6	1493.3	1449.5	1449.5
40°	1879.7	1881.0	1831.7	1782.4	1689.2	1718.0	1668.7	1655.0	1618.0	1609.8	1574.2
42.5°	2041.3	2048.2	1985.2	1923.5	1835.8	1913.9	1870.1	1849.5	1767.3	1790.6	1745.4
45°	2209.9	2215.3	2142.7	2057.8	1981.1	2100.2	2090.7	2056.4	2013.9	2018.0	1970.1
47.5°	2334.5	2345.5	2263.3	2163.3	2111.2	2252.3	2300.3	2297.5	2292.1	2253.7	2234.5
50°	2407.1	2414.0	2323.6	2249.6	2185.2	2366.0	2516.7	2541.4	2585.2	2509.9	2560.6
52.5°	2430.4	2434.5	2344.1	2263.3	2201.6	2429.1	2681.1	2816.8	2848.3	2834.6	2914.0
55°	2366.0	2371.5	2304.4	2231.8	2177.0	2438.6	2812.7	3077.1	3096.3	3136.0	3294.9
57.5°	2260.5	2257.8	2244.1	2167.4	2161.9	2430.4	2922.3	3408.6	3419.6	3612.8	3897.7
60°	2124.9	2130.4	2123.5	2083.8	2108.5	2342.7	2899.0	3594.9	3722.4	4019.7	4470.4
62.5°	1912.6	1922.1	1893.4	1838.6	1857.8	2040.0	2625.0	3508.6	3805.9	4192.3	4740.3
65°	1337.1	1289.2	1291.9	1324.8	1381.0	1537.2	1994.8	3038.7	3507.3	3958.0	4680.0
67.5°	770.0	783.7	782.3	815.2	883.7	1007.0	1275.5	2034.5	2457.8	2981.2	3888.1
70°	591.9	591.9	611.0	654.9	697.3	839.8	916.5	1101.5	1296.0	1648.1	2489.3
72.5°	445.3	443.9	461.7	502.8	587.7	768.6	1072.7	761.7	787.8	856.3	1346.7
75°	258.9	252.1	258.9	287.7	358.9	574.0	1085.1	848.0	809.7	760.4	846.7
77.5°	134.3	134.3	141.1	148.0	183.6	294.6	782.3	1035.7	1002.9	919.3	863.1
80°	76.7	79.5	84.9	84.9	89.1	121.9	339.8	1013.8	1119.3	1145.3	1123.4
82.5°	38.4	43.8	60.3	60.3	58.9	61.7	127.4	594.6	809.7	1004.2	1353.6
85°	21.9	23.3	39.7	43.8	42.5	37.0	58.9	265.8	356.2	517.9	774.1
87.5°	8.2	12.3	19.2	21.9	24.7	19.2	34.3	75.4	101.4	139.7	171.3
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°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8
2.5°	186.3	179.5	182.2	175.4	163.0	157.6	156.2	154.8	153.4	145.2	145.2
5°	182.2	183.6	187.7	189.1	189.1	190.4	193.2	191.8	193.2	190.4	189.1
7.5°	174.0	169.9	165.8	163.0	163.0	163.0	163.0	164.4	169.9	178.1	182.2
10°	243.9	243.9	245.2	242.5	246.6	245.2	245.2	243.9	243.9	245.2	245.2
12.5°	271.3	263.0	261.7	258.9	260.3	258.9	260.3	267.2	265.8	267.2	264.4
15°	430.2	428.8	427.4	420.6	398.7	379.5	375.4	372.6	357.6	352.1	349.4
17.5°	454.8	448.0	454.8	452.1	445.3	438.4	432.9	422.0	390.5	390.5	386.3
20°	572.7	589.1	594.6	624.7	620.6	631.6	631.6	627.5	628.8	624.7	608.3
22.5°	696.0	679.5	669.9	685.0	687.8	680.9	696.0	693.2	727.5	711.0	757.6
25°	875.4	911.1	933.0	912.4	902.8	907.0	919.3	904.2	912.4	907.0	909.7
27.5°	976.8	994.6	982.3	980.9	986.4	990.5	972.7	972.7	971.3	1005.6	1038.5
30°	1137.1	1122.1	1122.1	1130.3	1142.6	1142.6	1127.5	1123.4	1138.5	1124.8	1141.2
32.5°	1197.4	1189.2	1218.0	1312.5	1316.6	1297.4	1298.8	1316.6	1318.0	1337.1	1339.9
35°	1357.7	1381.0	1397.4	1401.5	1385.1	1383.7	1401.5	1411.1	1430.3	1431.7	1448.1
37.5°	1465.9	1475.5	1476.9	1471.4	1446.7	1463.2	1472.8	1485.1	1485.1	1498.8	1492.0
40°	1586.5	1590.6	1589.2	1545.4	1538.5	1557.7	1563.2	1559.1	1557.7	1560.5	1555.0
42.5°	1744.0	1735.8	1694.7	1661.8	1668.7	1668.7	1660.5	1641.3	1650.9	1630.3	1620.7
45°	1949.5	1929.0	1863.2	1834.5	1835.8	1809.8	1778.3	1774.2	1748.2	1723.5	1746.8
47.5°	2227.7	2163.3	2098.9	2072.8	2045.4	2004.3	1950.9	1930.4	1890.6	1868.7	1871.5
50°	2560.6	2464.7	2422.2	2427.7	2372.9	2296.2	2252.3	2189.3	2116.7	2109.8	2079.7
52.5°	2888.0	2836.0	2848.3	2844.2	2777.0	2705.8	2667.4	2618.1	2538.7	2503.0	2418.1
55°	3226.4	3252.4	3325.1	3322.3	3289.4	3279.8	3260.7	3218.2	3230.5	3140.1	3034.6
57.5°	3873.1	4003.2	4177.2	4244.3	4237.5	4264.9	4332.0	4404.6	4460.8	4389.6	4400.5
60°	4647.1	4921.1	5180.1	5295.1	5489.7	5580.1	5730.8	5926.7	6059.6	5961.0	6130.9
62.5°	5041.7	5434.9	5632.2	5766.4	6024.0	6152.8	6350.1	6572.0	6626.8	6702.2	6891.2
65°	5082.8	5428.0	5570.5	5780.1	5985.6	6055.5	6317.2	6459.7	6439.1	6626.8	6647.4
67.5°	4466.3	4760.8	4986.9	5295.1	5451.3	5613.0	5829.5	5856.9	5943.2	6095.2	5988.4
70°	3173.0	3649.7	3955.3	4311.5	4558.1	4818.4	5023.9	5041.7	5181.4	5229.4	5174.6
72.5°	1716.6	2182.5	2549.6	2988.0	3277.1	3574.4	3760.7	3869.0	3923.8	3851.1	3988.1
75°	967.2	1157.7	1394.7	1622.1	1850.9	1964.6	2050.9	2092.0	2001.6	1974.2	1971.5
77.5°	817.9	808.3	827.5	786.4	797.4	768.6	774.1	704.2	656.2	690.5	687.8
80°	1004.2	913.8	808.3	665.8	569.9	485.0	437.0	423.3	441.1	487.7	520.6
82.5°	1334.4	1318.0	1144.0	961.8	808.3	646.7	523.3	452.1	460.3	491.8	552.1
85°	916.5	956.3	848.0	794.6	653.5	548.0	452.1	363.1	332.9	317.8	302.8
87.5°	185.0	161.7	145.2	137.0	119.2	105.5	94.5	86.3	87.7	82.2	80.8
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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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8
2.5°	137.0	130.2	131.5	127.4	124.7	123.3	127.4	127.4	126.0	124.7	119.2
5°	186.3	185.0	179.5	172.6	164.4	149.3	141.1	134.3	130.2	128.8	126.0
7.5°	185.0	183.6	182.2	182.2	182.2	180.8	180.8	176.7	172.6	160.3	132.9
10°	245.2	252.1	267.2	275.4	275.4	274.0	265.8	264.4	263.0	261.7	250.7
12.5°	264.4	257.6	257.6	258.9	268.5	278.1	283.6	280.9	280.9	280.9	276.7
15°	348.0	348.0	346.6	346.6	346.6	349.4	348.0	356.2	361.7	358.9	360.3
17.5°	386.3	391.8	389.1	389.1	380.9	365.8	394.6	360.3	358.9	404.2	442.5
20°	585.0	583.6	575.4	572.7	567.2	564.5	568.6	569.9	571.3	569.9	578.2
22.5°	753.5	730.2	712.4	708.3	726.1	733.0	724.7	726.1	720.6	722.0	709.7
25°	916.5	896.0	916.5	894.6	879.6	864.5	863.1	854.9	865.9	871.3	887.8
27.5°	1061.8	1072.7	1071.4	1083.7	1064.5	1048.1	1049.4	1042.6	1054.9	1068.6	1053.5
30°	1144.0	1153.6	1148.1	1133.0	1139.9	1144.0	1170.0	1165.9	1160.4	1130.3	1116.6
32.5°	1350.8	1346.7	1335.8	1345.4	1376.9	1393.3	1352.2	1342.6	1344.0	1361.8	1350.8
35°	1439.9	1439.9	1442.6	1485.1	1496.1	1465.9	1464.6	1472.8	1490.6	1457.7	1438.5
37.5°	1485.1	1494.7	1531.7	1542.6	1509.8	1509.8	1534.4	1527.6	1512.5	1508.4	1526.2
40°	1552.2	1592.0	1604.3	1571.4	1572.8	1596.1	1571.4	1553.6	1565.9	1607.0	1608.4
42.5°	1657.7	1674.2	1639.9	1634.4	1667.3	1638.6	1638.6	1663.2	1678.3	1675.5	1690.6
45°	1760.5	1730.3	1709.8	1739.9	1719.4	1696.1	1750.9	1756.4	1756.4	1771.4	1793.4
47.5°	1857.8	1808.4	1829.0	1816.7	1771.4	1834.5	1846.8	1845.4	1853.6	1879.7	1872.8
50°	2001.6	1967.4	1960.5	1897.5	1935.8	1960.5	1959.1	1975.6	1990.6	1982.4	2042.7
52.5°	2296.2	2283.8	2168.8	2130.4	2149.6	2127.6	2149.6	2138.6	2137.2	2187.9	2192.0
55°	2934.6	2864.7	2663.3	2655.1	2551.0	2464.7	2493.4	2466.0	2478.4	2511.3	2534.5
57.5°	4396.4	4189.5	4133.4	4104.6	3900.5	3667.6	3642.9	3675.8	3671.7	3619.6	3705.9
60°	6133.6	5988.4	6143.2	6030.9	5871.9	5795.2	5682.9	5678.8	5630.8	5591.1	5500.7
62.5°	6769.3	6952.9	7098.1	7103.6	7139.2	7099.5	7043.3	6976.2	6985.8	6874.8	6839.2
65°	6646.0	6917.3	6992.6	7140.6	7251.5	7405.0	7407.7	7432.4	7410.5	7322.8	7199.5
67.5°	6235.0	6365.1	6448.7	6624.1	6844.6	7047.4	7213.2	7237.8	7252.9	7202.2	7020.0
70°	5414.3	5469.1	5587.0	5763.7	6030.9	6232.2	6458.3	6481.6	6529.5	6476.1	6348.7
72.5°	4008.7	3992.3	4053.9	4175.8	4301.9	4441.6	4585.5	4595.1	4700.6	4595.1	4448.5
75°	1863.2	1815.3	1775.6	1768.7	1783.8	1824.9	1820.8	1766.0	1750.9	1626.2	1537.2
77.5°	638.4	622.0	589.1	538.4	480.9	411.0	360.3	335.7	312.4	278.1	265.8
80°	563.1	600.1	596.0	556.2	489.1	409.6	334.3	297.3	265.8	213.7	193.2
82.5°	649.4	731.6	793.2	750.8	645.3	524.7	380.9	317.8	260.3	176.7	143.9
85°	311.0	306.9	337.0	286.3	271.3	198.7	149.3	126.0	115.1	94.5	87.7
87.5°	82.2	83.6	86.3	86.3	83.6	78.1	76.7	74.0	72.6	67.1	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



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CATALOG NUMBER: UTLD-E03-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8
2.5°	119.2	117.8	117.8	116.5	116.5	116.5	116.5	116.5	115.1	115.1	115.1
5°	127.4	127.4	126.0	121.9	119.2	119.2	117.8	117.8	116.5	116.5	116.5
7.5°	121.9	120.6	119.2	120.6	123.3	124.7	124.7	123.3	121.9	123.3	123.3
10°	212.4	197.3	193.2	191.8	189.1	189.1	187.7	185.0	180.8	179.5	179.5
12.5°	269.9	219.2	212.4	211.0	208.2	206.9	205.5	198.7	195.9	198.7	200.0
15°	358.9	339.8	298.7	300.0	301.4	300.0	300.0	297.3	293.2	289.1	289.1
17.5°	415.1	430.2	380.9	395.9	385.0	397.3	390.5	385.0	393.2	361.7	371.3
20°	574.0	574.0	552.1	519.2	523.3	528.8	535.7	534.3	527.5	515.1	509.6
22.5°	720.6	712.4	720.6	700.1	693.2	702.8	660.4	682.3	675.4	683.6	685.0
25°	894.6	897.4	868.6	843.9	823.4	826.1	842.6	838.5	817.9	824.8	845.3
27.5°	1038.5	1049.4	1070.0	1041.2	1023.4	1017.9	1012.4	1016.6	1045.3	1042.6	1017.9
30°	1130.3	1115.2	1111.1	1124.8	1148.1	1130.3	1153.6	1117.9	1107.0	1141.2	1139.9
32.5°	1308.4	1330.3	1350.8	1346.7	1349.5	1374.1	1360.4	1363.2	1353.6	1344.0	1363.2
35°	1461.8	1463.2	1449.5	1468.7	1463.2	1470.0	1487.8	1489.2	1494.7	1492.0	1493.3
37.5°	1524.8	1535.8	1541.3	1507.0	1544.0	1546.8	1563.2	1576.9	1604.3	1624.9	1634.4
40°	1626.2	1619.4	1607.0	1644.0	1609.8	1631.7	1671.4	1697.5	1727.6	1768.7	1782.4
42.5°	1707.1	1707.1	1729.0	1719.4	1761.9	1753.6	1798.8	1842.7	1881.0	1890.6	1964.6
45°	1794.7	1835.8	1839.9	1861.9	1889.3	1940.0	1944.1	1979.7	2022.2	2075.6	2100.2
47.5°	1927.6	1931.7	1982.4	2011.2	2049.6	2093.4	2118.1	2130.4	2183.8	2227.7	2255.1
50°	2038.6	2108.5	2138.6	2185.2	2235.9	2257.8	2296.2	2326.3	2346.9	2375.6	2393.4
52.5°	2245.5	2292.1	2359.2	2404.4	2455.1	2492.1	2525.0	2579.8	2581.1	2578.4	2597.6
55°	2590.7	2686.6	2792.1	2826.4	2923.6	2970.2	3027.8	3060.6	3110.0	3060.6	3073.0
57.5°	3767.6	3921.0	4006.0	4119.7	4208.7	4275.8	4292.3	4332.0	4403.3	4395.0	4349.8
60°	5602.0	5619.8	5687.0	5773.3	5767.8	5845.9	5796.6	5856.9	5750.0	5737.7	5626.7
62.5°	6774.8	6739.2	6732.3	6722.7	6691.2	6633.7	6559.7	6500.8	6406.2	6269.2	6174.7
65°	7047.4	6936.4	6861.1	6802.2	6685.7	6562.4	6463.8	6354.2	6276.1	6133.6	5991.1
67.5°	6835.1	6699.4	6563.8	6387.1	6259.6	6107.6	5961.0	5865.1	5721.2	5641.8	5410.2
70°	6200.7	5956.9	5729.4	5500.7	5389.7	5185.5	5048.5	4978.7	4834.8	4747.1	4575.9
72.5°	4332.0	4134.7	3803.2	3629.2	3592.2	3444.2	3384.0	3351.1	3281.2	3201.7	3112.7
75°	1463.2	1396.1	1312.5	1144.0	1190.6	1124.8	1082.3	1144.0	1120.7	1122.1	1078.2
77.5°	256.2	248.0	237.0	224.7	220.6	224.7	219.2	227.4	228.8	232.9	228.8
80°	183.6	174.0	167.1	161.7	157.6	158.9	154.8	156.2	154.8	156.2	154.8
82.5°	131.5	126.0	119.2	115.1	113.7	115.1	112.3	116.5	119.2	123.3	127.4
85°	82.2	80.8	76.7	75.4	75.4	74.0	75.4	80.8	86.3	93.2	97.3
87.5°	58.9	58.9	56.2	58.9	58.9	61.7	65.8	72.6	79.5	86.3	94.5
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):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8
2.5°	115.1	115.1	115.1	115.1	115.1	115.1	115.1	113.7	113.7	115.1	115.1
5°	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	116.5	120.6	180.8
7.5°	121.9	121.9	121.9	120.6	120.6	120.6	121.9	123.3	121.9	172.6	117.8
10°	182.2	185.0	187.7	186.3	187.7	189.1	190.4	190.4	208.2	183.6	126.0
12.5°	201.4	201.4	202.8	201.4	200.0	219.2	258.9	258.9	260.3	202.8	201.4
15°	285.0	280.9	285.0	297.3	335.7	341.1	342.5	341.1	324.7	302.8	290.4
17.5°	342.5	326.1	343.9	375.4	341.1	339.8	319.2	304.1	309.6	378.1	391.8
20°	517.9	537.0	546.6	563.1	550.8	517.9	505.5	506.9	504.2	516.5	437.0
22.5°	676.8	701.5	698.7	691.9	672.7	693.2	701.5	649.4	639.8	680.9	705.6
25°	879.6	867.2	870.0	856.3	849.4	852.2	860.4	900.1	898.7	974.1	785.0
27.5°	1050.8	1067.2	1056.3	1057.7	1082.3	1065.9	1093.3	1093.3	1149.5	1064.5	1052.2
30°	1122.1	1138.5	1170.0	1178.2	1202.9	1218.0	1215.2	1224.8	1228.9	1286.5	1148.1
32.5°	1400.2	1383.7	1408.4	1445.4	1459.1	1471.4	1509.8	1505.7	1483.7	1424.8	1311.1
35°	1527.6	1563.2	1563.2	1567.3	1627.6	1631.7	1627.6	1650.9	1633.1	1594.7	1382.4
37.5°	1653.6	1667.3	1711.2	1718.0	1708.4	1753.6	1755.0	1742.7	1760.5	1690.6	1513.9
40°	1803.0	1822.1	1829.0	1867.3	1848.2	1842.7	1894.7	1875.6	1863.2	1778.3	1553.6
42.5°	1972.8	1967.4	1978.3	1981.1	2001.6	1979.7	1978.3	2020.8	1987.9	1850.9	1549.5
45°	2144.1	2120.8	2109.8	2111.2	2108.5	2119.4	2085.2	2108.5	2112.6	1889.3	1513.9
47.5°	2252.3	2282.5	2255.1	2231.8	2216.7	2218.1	2207.1	2153.7	2196.2	1901.6	1457.7
50°	2420.8	2418.1	2415.4	2363.3	2348.2	2319.5	2305.8	2267.4	2237.3	1861.9	1396.1
52.5°	2609.9	2604.4	2611.3	2566.1	2508.5	2472.9	2431.8	2396.2	2326.3	1822.1	1327.6
55°	3077.1	3064.7	3027.8	3015.4	2909.9	2819.5	2707.2	2638.7	2577.0	1819.4	1248.1
57.5°	4336.1	4280.0	4184.1	4110.1	3911.4	3721.0	3545.6	3345.6	3207.2	1971.5	1187.8
60°	5497.9	5426.7	5303.4	5065.0	4858.1	4523.8	4206.0	3942.9	3701.8	2131.8	1119.3
62.5°	5966.5	5817.1	5634.9	5399.3	5047.2	4723.8	4289.5	3985.4	3681.3	2037.2	945.3
65°	5850.0	5599.3	5376.0	5111.6	4774.5	4370.4	3927.9	3562.1	3297.7	1645.4	656.2
67.5°	5295.1	5065.0	4841.7	4530.7	4158.0	3707.3	3327.8	2949.7	2712.7	1171.4	365.8
70°	4432.0	4256.7	3985.4	3684.0	3345.6	2936.0	2549.6	2220.8	1985.2	715.2	178.1
72.5°	3046.9	2897.6	2783.9	2527.7	2185.2	1815.3	1597.4	1341.3	1200.1	365.8	117.8
75°	1101.5	1113.8	1026.1	980.9	868.6	700.1	616.5	519.2	453.5	165.8	116.5
77.5°	256.2	252.1	265.8	272.6	253.5	231.5	208.2	191.8	179.5	130.2	123.3
80°	156.2	154.8	153.4	152.1	150.7	149.3	148.0	145.2	142.5	127.4	124.7
82.5°	130.2	131.5	131.5	131.5	132.9	132.9	134.3	134.3	132.9	127.4	126.0
85°	101.4	105.5	109.6	113.7	119.2	124.7	127.4	128.8	128.8	124.7	124.7
87.5°	101.4	106.9	113.7	121.9	130.2	137.0	142.5	145.2	145.2	126.0	123.3
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-E03-LED-E-U-T2-7030

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	117.8	117.8	117.8	117.8	117.8	117.8
2.5°	121.9	119.2	120.6	130.2	124.7	121.9
5°	183.6	142.5	119.2	117.8	116.5	115.1
7.5°	121.9	121.9	124.7	154.8	171.3	180.8
10°	137.0	195.9	205.5	201.4	202.8	200.0
12.5°	276.7	208.2	217.8	245.2	285.0	285.0
15°	300.0	365.8	297.3	300.0	295.9	295.9
17.5°	393.2	390.5	316.5	382.2	387.7	387.7
20°	497.3	450.7	468.5	411.0	404.2	402.8
22.5°	537.0	556.2	495.9	504.2	504.2	501.4
25°	715.2	626.1	585.0	520.6	578.2	565.8
27.5°	833.0	693.2	685.0	615.1	606.9	601.4
30°	987.8	868.6	731.6	700.1	698.7	693.2
32.5°	1072.7	905.6	791.9	722.0	772.7	770.0
35°	1168.6	943.9	838.5	786.4	750.8	745.3
37.5°	1174.1	960.4	812.4	798.7	787.8	783.7
40°	1189.2	927.5	809.7	797.4	786.4	782.3
42.5°	1145.3	882.3	770.0	724.7	704.2	698.7
45°	1085.1	812.4	687.8	637.1	612.4	606.9
47.5°	1013.8	749.4	600.1	553.5	519.2	509.6
50°	939.8	667.2	513.8	457.6	424.7	413.7
52.5°	859.0	563.1	417.9	369.9	335.7	328.8
55°	761.7	453.5	326.1	293.2	272.6	267.2
57.5°	635.7	341.1	249.3	234.3	224.7	221.9
60°	487.7	239.8	187.7	191.8	187.7	190.4
62.5°	334.3	158.9	143.9	156.2	157.6	157.6
65°	194.5	115.1	116.5	131.5	132.9	134.3
67.5°	119.2	95.9	101.4	116.5	117.8	117.8
70°	100.0	89.1	94.5	109.6	111.0	111.0
72.5°	97.3	89.1	91.8	106.9	108.2	109.6
75°	98.6	87.7	91.8	106.9	105.5	104.1
77.5°	101.4	87.7	90.4	106.9	108.2	101.4
80°	100.0	84.9	86.3	113.7	109.6	93.2
82.5°	95.9	79.5	76.7	120.6	97.3	83.6
85°	89.1	71.2	63.0	131.5	95.9	60.3
87.5°	50.7	58.9	46.6	115.1	87.7	48.0
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)