

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: P157146

Luminaire Tested: **UTLD-F03-LED-E-U-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157146
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-F03-LED-E-U-T2-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6804.9 lumens
Efficiency: N/A
Efficacy: 86.9 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): 78.3
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

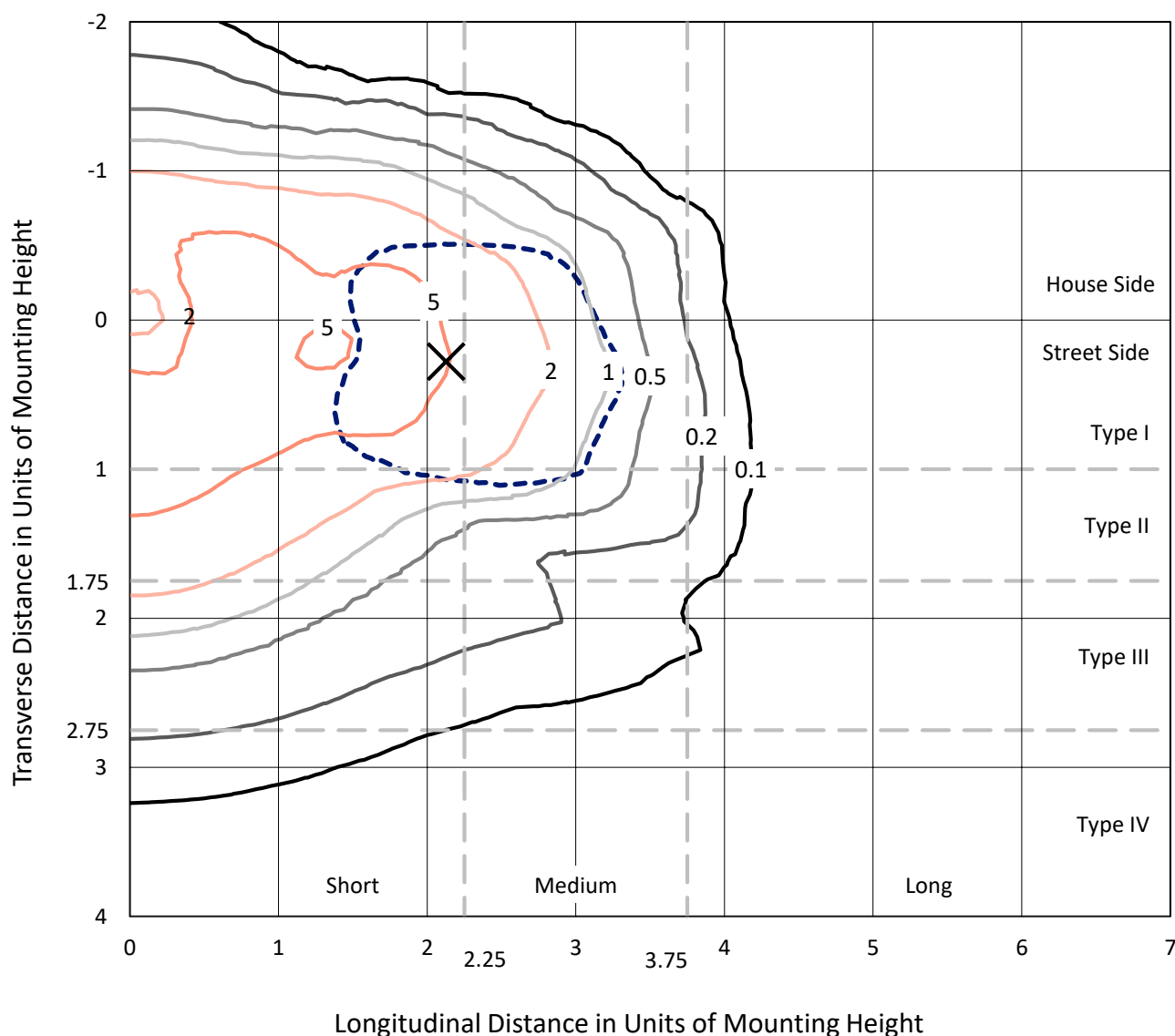


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

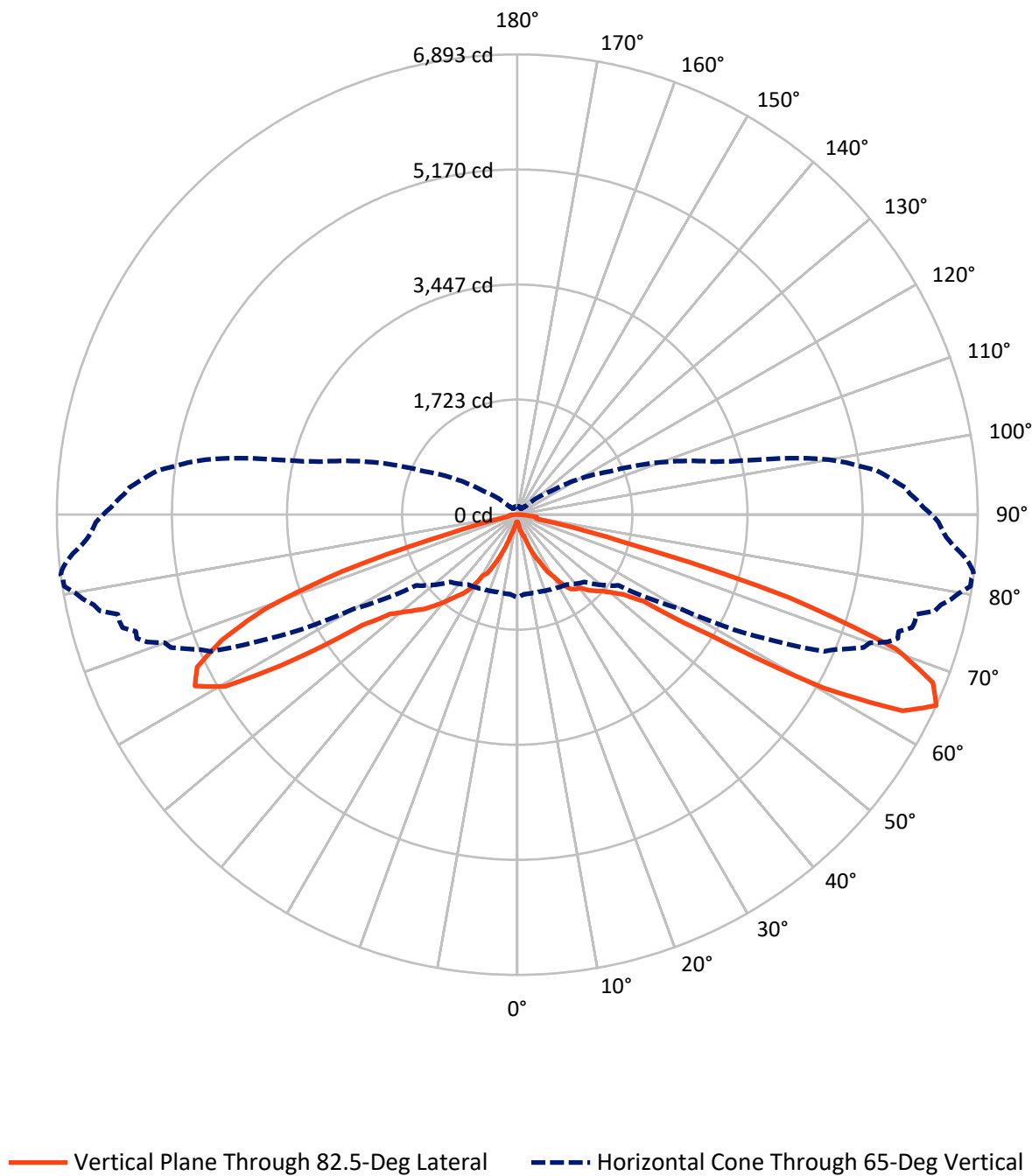


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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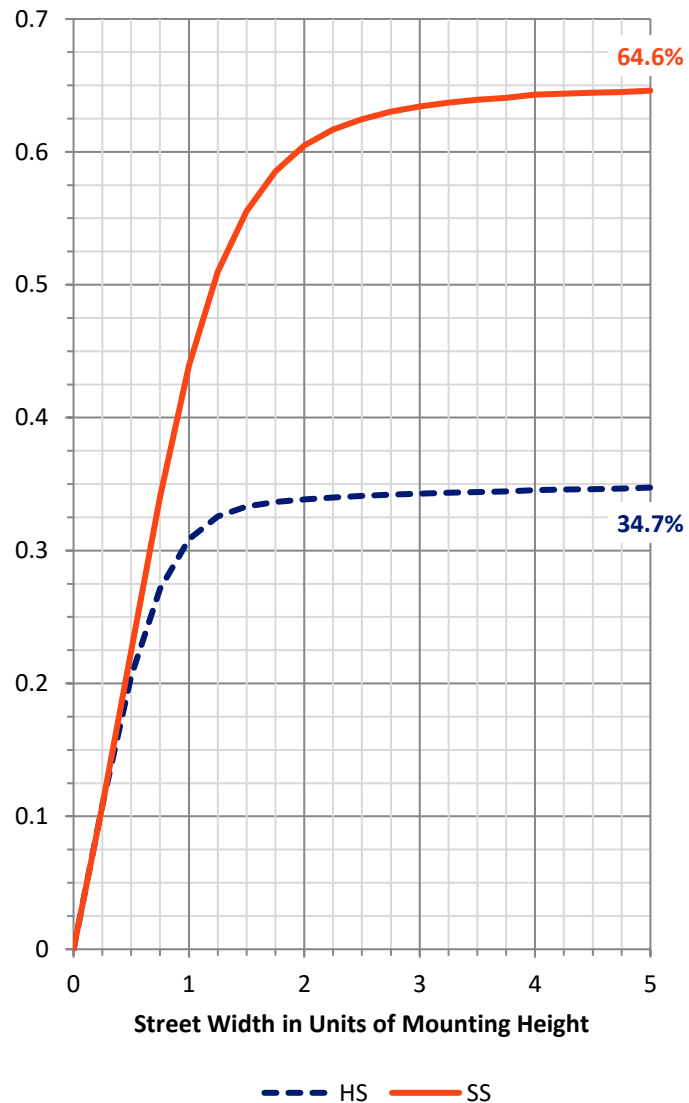
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2398.1	0.0	2398.1
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	4406.8	0.0	4406.8
	% Fixture	64.8	0.0	64.8
Total	Lumens	6804.9	0.0	6804.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.2
10°-20°	100.4	1.5
20°-30°	336.3	4.9
30°-40°	742.2	10.9
40°-50°	1173.0	17.2
50°-60°	1664.1	24.5
60°-70°	1979.8	29.1
70°-80°	669.5	9.8
80°-90°	124.1	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°	6804.9	100.0
0°-180°	6804.9	100.0

Coefficient of Utilization



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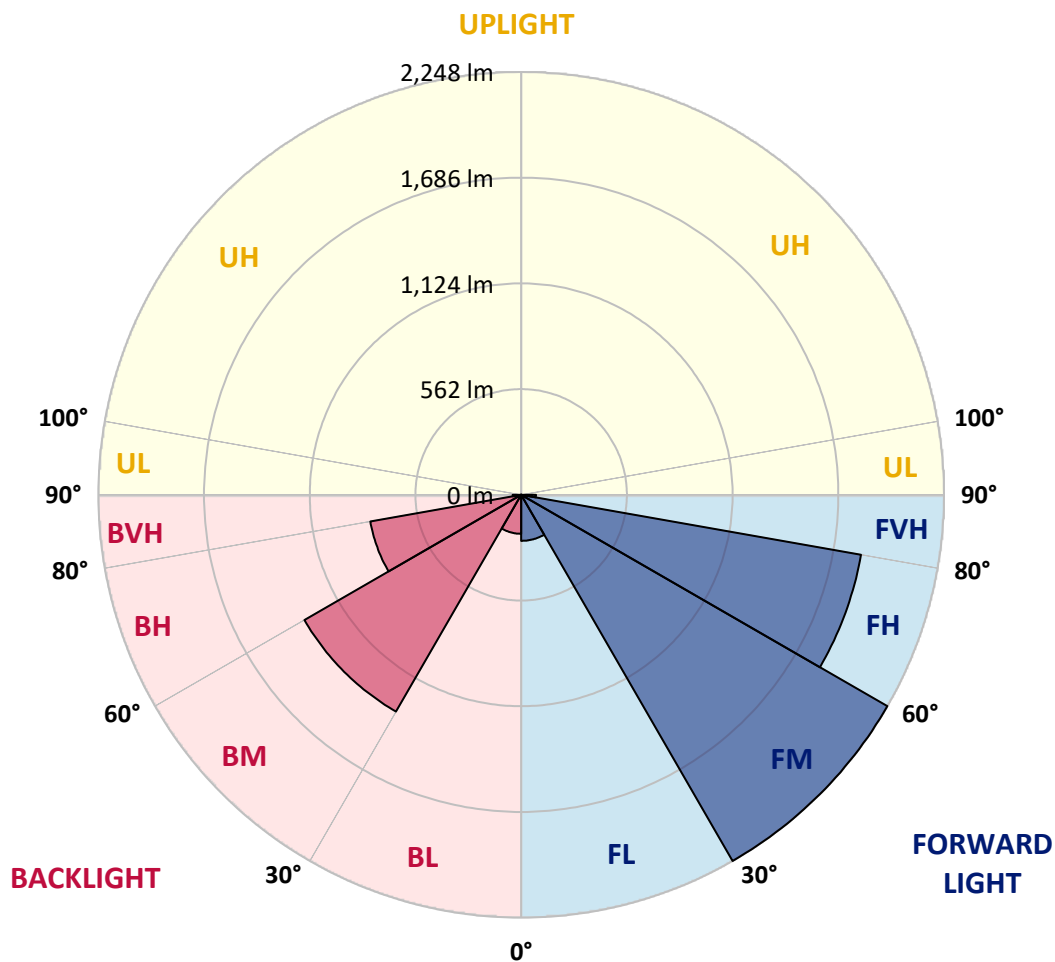
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.8	3.6			
FM	(30°-60°)	2248.4	33.0			
FH	(60°-80°)	1834.8	27.0			G2/5000
FVH	(80°-90°)	78.7	1.2			G1/100
BL	(0°-30°)	207.4	3.0	B1/500		
BM	(30°-60°)	1330.8	19.6	B2/2500		
BH	(60°-80°)	814.5	12.0	B2/1000		G2/1000
BVH	(80°-90°)	45.4	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°	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	155.0	155.0	155.0	162.6	181.7	181.7	180.4	181.7	179.2	176.6	172.8
5°	161.4	165.2	162.6	161.4	158.8	157.6	156.3	155.0	155.0	157.6	163.9
7.5°	246.5	247.8	246.5	249.0	241.4	174.1	162.6	161.4	165.2	166.5	163.9
10°	293.5	274.5	268.1	263.0	256.7	245.2	244.0	237.6	235.1	233.8	227.4
12.5°	374.8	374.8	372.3	355.8	339.3	330.4	338.0	320.2	317.7	310.0	287.2
15°	494.3	493.0	409.1	390.1	438.4	416.8	352.0	372.3	392.6	390.1	391.3
17.5°	528.6	528.6	522.2	501.9	472.7	443.4	476.5	416.8	415.5	416.8	423.1
20°	655.6	655.6	630.2	585.8	559.1	529.8	510.8	557.8	542.6	531.1	522.2
22.5°	660.7	660.7	642.9	677.2	630.2	602.3	653.1	663.3	676.0	677.2	663.3
25°	763.6	764.9	747.1	696.3	703.9	689.9	717.9	786.5	786.5	775.1	808.1
27.5°	871.6	872.9	762.4	784.0	758.6	809.4	884.3	918.7	893.2	902.1	904.7
30°	922.5	923.7	917.4	909.8	879.3	899.6	937.7	969.5	986.0	1047.0	1027.9
32.5°	1138.5	1139.7	1099.1	1005.1	1022.8	1061.0	1077.5	1085.1	1104.2	1114.3	1114.3
35°	1395.1	1391.3	1317.6	1235.0	1181.7	1174.0	1194.4	1259.2	1292.2	1260.4	1274.4
37.5°	1601.0	1583.2	1500.6	1447.2	1390.1	1374.8	1391.3	1382.4	1385.0	1344.3	1344.3
40°	1743.3	1744.6	1698.8	1653.1	1566.7	1593.3	1547.6	1534.9	1500.6	1493.0	1459.9
42.5°	1893.2	1899.6	1841.1	1783.9	1702.6	1775.0	1734.4	1715.3	1639.1	1660.7	1618.8
45°	2049.5	2054.6	1987.2	1908.5	1837.3	1947.9	1939.0	1907.2	1867.8	1871.6	1827.1
47.5°	2165.1	2175.3	2099.1	2006.3	1958.0	2088.9	2133.4	2130.8	2125.7	2090.2	2072.4
50°	2232.5	2238.8	2155.0	2086.3	2026.6	2194.3	2334.1	2357.0	2397.6	2327.8	2374.8
52.5°	2254.1	2257.9	2174.0	2099.1	2041.9	2252.8	2486.6	2612.4	2641.6	2628.9	2702.6
55°	2194.3	2199.4	2137.2	2069.8	2019.0	2261.7	2608.6	2853.8	2871.6	2908.4	3055.8
57.5°	2096.5	2094.0	2081.3	2010.1	2005.0	2254.1	2710.2	3161.3	3171.5	3350.6	3614.9
60°	1970.7	1975.8	1969.5	1932.6	1955.5	2172.7	2688.6	3334.1	3452.3	3728.0	4146.0
62.5°	1773.8	1782.7	1756.0	1705.2	1723.0	1891.9	2434.5	3254.0	3529.8	3888.1	4396.3
65°	1240.1	1195.6	1198.2	1228.7	1280.8	1425.6	1850.0	2818.2	3252.8	3670.8	4340.4
67.5°	714.1	726.8	725.5	756.0	819.5	933.9	1182.9	1886.9	2279.5	2764.9	3606.0
70°	548.9	548.9	566.7	607.4	646.7	778.9	850.0	1021.6	1202.0	1528.5	2308.7
72.5°	412.9	411.7	428.2	466.3	545.1	712.8	994.9	706.5	730.6	794.1	1249.0
75°	240.1	233.8	240.1	266.8	332.9	532.4	1006.3	786.5	750.9	705.2	785.2
77.5°	124.5	124.5	130.9	137.2	170.3	273.2	725.5	960.6	930.1	852.6	800.5
80°	71.2	73.7	78.8	78.8	82.6	113.1	315.1	940.3	1038.1	1062.2	1041.9
82.5°	35.6	40.7	55.9	55.9	54.6	57.2	118.2	551.4	750.9	931.4	1255.4
85°	20.3	21.6	36.8	40.7	39.4	34.3	54.6	246.5	330.4	480.3	717.9
87.5°	7.6	11.4	17.8	20.3	22.9	17.8	31.8	69.9	94.0	129.6	158.8
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	172.8	166.5	169.0	162.6	151.2	146.1	144.8	143.6	142.3	134.7	134.7
5°	169.0	170.3	174.1	175.3	175.3	176.6	179.2	177.9	179.2	176.6	175.3
7.5°	161.4	157.6	153.7	151.2	151.2	151.2	151.2	152.5	157.6	165.2	169.0
10°	226.2	226.2	227.4	224.9	228.7	227.4	227.4	226.2	226.2	227.4	227.4
12.5°	251.6	244.0	242.7	240.1	241.4	240.1	241.4	247.8	246.5	247.8	245.2
15°	399.0	397.7	396.4	390.1	369.7	352.0	348.1	345.6	331.6	326.5	324.0
17.5°	421.8	415.5	421.8	419.3	412.9	406.6	401.5	391.3	362.1	362.1	358.3
20°	531.1	546.4	551.4	579.4	575.6	585.8	585.8	581.9	583.2	579.4	564.2
22.5°	645.5	630.2	621.3	635.3	637.8	631.5	645.5	642.9	674.7	659.4	702.6
25°	811.9	845.0	865.3	846.2	837.3	841.1	852.6	838.6	846.2	841.1	843.7
27.5°	905.9	922.5	911.0	909.8	914.8	918.7	902.1	902.1	900.9	932.6	963.1
30°	1054.6	1040.6	1040.6	1048.3	1059.7	1059.7	1045.7	1041.9	1055.9	1043.2	1058.4
32.5°	1110.5	1102.9	1129.6	1217.2	1221.1	1203.3	1204.5	1221.1	1222.3	1240.1	1242.7
35°	1259.2	1280.8	1296.0	1299.8	1284.6	1283.3	1299.8	1308.7	1326.5	1327.8	1343.0
37.5°	1359.6	1368.5	1369.7	1364.6	1341.8	1357.0	1365.9	1377.3	1377.3	1390.1	1383.7
40°	1471.4	1475.2	1473.9	1433.3	1426.9	1444.7	1449.8	1446.0	1444.7	1447.2	1442.1
42.5°	1617.5	1609.9	1571.7	1541.3	1547.6	1547.6	1540.0	1522.2	1531.1	1512.0	1503.1
45°	1808.1	1789.0	1728.0	1701.4	1702.6	1678.5	1649.3	1645.4	1621.3	1598.4	1620.0
47.5°	2066.0	2006.3	1946.6	1922.4	1897.0	1858.9	1809.4	1790.3	1753.4	1733.1	1735.7
50°	2374.8	2285.8	2246.4	2251.5	2200.7	2129.5	2088.9	2030.4	1963.1	1956.7	1928.8
52.5°	2678.5	2630.2	2641.6	2637.8	2575.5	2509.5	2473.9	2428.1	2354.4	2321.4	2242.6
55°	2992.3	3016.4	3083.8	3081.2	3050.7	3041.8	3024.1	2984.7	2996.1	2912.2	2814.4
57.5°	3592.0	3712.7	3874.1	3936.4	3930.0	3955.4	4017.7	4085.0	4137.1	4071.0	4081.2
60°	4309.9	4564.0	4804.2	4910.9	5091.3	5175.2	5315.0	5496.7	5619.9	5528.4	5686.0
62.5°	4675.9	5040.5	5223.5	5348.0	5586.9	5706.3	5889.3	6095.1	6146.0	6215.8	6391.2
65°	4714.0	5034.2	5166.3	5360.7	5551.3	5616.1	5858.8	5990.9	5971.9	6146.0	6165.0
67.5°	4142.2	4415.4	4625.0	4910.9	5055.8	5205.7	5406.5	5431.9	5511.9	5653.0	5553.9
70°	2942.7	3384.9	3668.3	3998.6	4227.3	4468.7	4659.3	4675.9	4805.5	4849.9	4799.1
72.5°	1592.1	2024.1	2364.6	2771.2	3039.3	3315.0	3487.8	3588.2	3639.0	3571.7	3698.8
75°	897.1	1073.7	1293.5	1504.4	1716.6	1822.1	1902.1	1940.2	1856.4	1831.0	1828.4
77.5°	758.6	749.7	767.5	729.3	739.5	712.8	717.9	653.1	608.6	640.4	637.8
80°	931.4	847.5	749.7	617.5	528.6	449.8	405.3	392.6	409.1	452.3	482.8
82.5°	1237.6	1222.3	1061.0	892.0	749.7	599.7	485.4	419.3	426.9	456.2	512.1
85°	850.0	886.9	786.5	737.0	606.1	508.2	419.3	336.7	308.8	294.8	280.8
87.5°	171.5	149.9	134.7	127.1	110.5	97.8	87.7	80.0	81.3	76.2	75.0
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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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	127.1	120.7	122.0	118.2	115.6	114.4	118.2	118.2	116.9	115.6	110.5
5°	172.8	171.5	166.5	160.1	152.5	138.5	130.9	124.5	120.7	119.4	116.9
7.5°	171.5	170.3	169.0	169.0	169.0	167.7	167.7	163.9	160.1	148.7	123.2
10°	227.4	233.8	247.8	255.4	255.4	254.1	246.5	245.2	244.0	242.7	232.5
12.5°	245.2	238.9	238.9	240.1	249.0	257.9	263.0	260.5	260.5	260.5	256.7
15°	322.7	322.7	321.5	321.5	321.5	324.0	322.7	330.4	335.4	332.9	334.2
17.5°	358.3	363.4	360.9	360.9	353.2	339.3	365.9	334.2	332.9	374.8	410.4
20°	542.6	541.3	533.7	531.1	526.0	523.5	527.3	528.6	529.8	528.6	536.2
22.5°	698.8	677.2	660.7	656.9	673.4	679.8	672.2	673.4	668.3	669.6	658.2
25°	850.0	831.0	850.0	829.7	815.7	801.8	800.5	792.9	803.0	808.1	823.4
27.5°	984.7	994.9	993.6	1005.1	987.3	972.0	973.3	966.9	978.4	991.1	977.1
30°	1061.0	1069.9	1064.8	1050.8	1057.2	1061.0	1085.1	1081.3	1076.2	1048.3	1035.5
32.5°	1252.8	1249.0	1238.8	1247.7	1277.0	1292.2	1254.1	1245.2	1246.5	1263.0	1252.8
35°	1335.4	1335.4	1338.0	1377.3	1387.5	1359.6	1358.3	1365.9	1382.4	1351.9	1334.1
37.5°	1377.3	1386.2	1420.5	1430.7	1400.2	1400.2	1423.1	1416.7	1402.8	1398.9	1415.5
40°	1439.6	1476.5	1487.9	1457.4	1458.7	1480.3	1457.4	1440.9	1452.3	1490.4	1491.7
42.5°	1537.4	1552.7	1520.9	1515.8	1546.3	1519.7	1519.7	1542.5	1556.5	1554.0	1567.9
45°	1632.7	1604.8	1585.7	1613.7	1594.6	1573.0	1623.8	1628.9	1628.9	1642.9	1663.2
47.5°	1723.0	1677.2	1696.3	1684.8	1642.9	1701.4	1712.8	1711.5	1719.1	1743.3	1736.9
50°	1856.4	1824.6	1818.2	1759.8	1795.4	1818.2	1817.0	1832.2	1846.2	1838.6	1894.5
52.5°	2129.5	2118.1	2011.4	1975.8	1993.6	1973.3	1993.6	1983.4	1982.2	2029.2	2033.0
55°	2721.7	2656.9	2470.1	2462.4	2365.9	2285.8	2312.5	2287.1	2298.5	2329.0	2350.6
57.5°	4077.4	3885.5	3833.4	3806.8	3617.4	3401.4	3378.6	3409.1	3405.2	3357.0	3437.0
60°	5688.5	5553.9	5697.4	5593.2	5445.8	5374.7	5270.5	5266.7	5222.2	5185.4	5101.5
62.5°	6278.1	6448.4	6583.0	6588.1	6621.2	6584.3	6532.2	6470.0	6478.9	6375.9	6342.9
65°	6163.7	6415.3	6485.2	6622.4	6725.4	6867.7	6870.2	6893.1	6872.7	6791.4	6677.1
67.5°	5782.6	5903.3	5980.8	6143.4	6348.0	6536.0	6689.8	6712.7	6726.6	6679.6	6510.6
70°	5021.5	5072.3	5181.6	5345.5	5593.2	5780.0	5989.7	6011.3	6055.7	6006.2	5888.0
72.5°	3717.8	3702.6	3759.7	3872.8	3989.7	4119.3	4252.7	4261.6	4359.5	4261.6	4125.7
75°	1728.0	1683.6	1646.7	1640.4	1654.3	1692.5	1688.6	1637.8	1623.8	1508.2	1425.6
77.5°	592.1	576.9	546.4	499.4	446.0	381.2	334.2	311.3	289.7	257.9	246.5
80°	522.2	556.5	552.7	515.9	453.6	379.9	310.0	275.7	246.5	198.2	179.2
82.5°	602.3	678.5	735.7	696.3	598.5	486.6	353.2	294.8	241.4	163.9	133.4
85°	288.4	284.6	312.6	265.6	251.6	184.2	138.5	116.9	106.7	87.7	81.3
87.5°	76.2	77.5	80.0	80.0	77.5	72.4	71.2	68.6	67.3	62.3	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



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CATALOG NUMBER: UTLD-F03-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	110.5	109.3	109.3	108.0	108.0	108.0	108.0	108.0	106.7	106.7	106.7
5°	118.2	118.2	116.9	113.1	110.5	110.5	109.3	109.3	108.0	108.0	108.0
7.5°	113.1	111.8	110.5	111.8	114.4	115.6	115.6	114.4	113.1	114.4	114.4
10°	196.9	183.0	179.2	177.9	175.3	175.3	174.1	171.5	167.7	166.5	166.5
12.5°	250.3	203.3	196.9	195.7	193.1	191.9	190.6	184.2	181.7	184.2	185.5
15°	332.9	315.1	277.0	278.3	279.5	278.3	278.3	275.7	271.9	268.1	268.1
17.5°	385.0	399.0	353.2	367.2	357.0	368.5	362.1	357.0	364.7	335.4	344.3
20°	532.4	532.4	512.1	481.6	485.4	490.5	496.8	495.5	489.2	477.8	472.7
22.5°	668.3	660.7	668.3	649.3	642.9	651.8	612.4	632.8	626.4	634.0	635.3
25°	829.7	832.3	805.6	782.7	763.6	766.2	781.4	777.6	758.6	764.9	784.0
27.5°	963.1	973.3	992.3	965.7	949.1	944.1	939.0	942.8	969.5	966.9	944.1
30°	1048.3	1034.3	1030.5	1043.2	1064.8	1048.3	1069.9	1036.8	1026.7	1058.4	1057.2
32.5°	1213.4	1233.8	1252.8	1249.0	1251.6	1274.4	1261.7	1264.3	1255.4	1246.5	1264.3
35°	1355.7	1357.0	1344.3	1362.1	1357.0	1363.4	1379.9	1381.2	1386.2	1383.7	1385.0
37.5°	1414.2	1424.4	1429.4	1397.7	1432.0	1434.5	1449.8	1462.5	1487.9	1506.9	1515.8
40°	1508.2	1501.9	1490.4	1524.7	1493.0	1513.3	1550.1	1574.3	1602.2	1640.4	1653.1
42.5°	1583.2	1583.2	1603.5	1594.6	1634.0	1626.4	1668.3	1709.0	1744.6	1753.4	1822.1
45°	1664.5	1702.6	1706.4	1726.8	1752.2	1799.2	1803.0	1836.0	1875.4	1925.0	1947.9
47.5°	1787.8	1791.6	1838.6	1865.3	1900.8	1941.5	1964.4	1975.8	2025.4	2066.0	2091.4
50°	1890.7	1955.5	1983.4	2026.6	2073.6	2094.0	2129.5	2157.5	2176.6	2203.2	2219.8
52.5°	2082.5	2125.7	2188.0	2229.9	2276.9	2311.2	2341.7	2392.6	2393.8	2391.3	2409.1
55°	2402.7	2491.7	2589.5	2621.3	2711.5	2754.7	2808.1	2838.6	2884.3	2838.6	2850.0
57.5°	3494.2	3636.5	3715.3	3820.7	3903.3	3965.6	3980.8	4017.7	4083.8	4076.1	4034.2
60°	5195.5	5212.1	5274.3	5354.4	5349.3	5421.7	5376.0	5431.9	5332.8	5321.3	5218.4
62.5°	6283.2	6250.1	6243.8	6234.9	6205.7	6152.3	6083.7	6029.1	5941.4	5814.3	5726.7
65°	6536.0	6433.1	6363.2	6308.6	6200.6	6086.2	5994.8	5893.1	5820.7	5688.5	5556.4
67.5°	6339.1	6213.3	6087.5	5923.6	5805.4	5664.4	5528.4	5439.5	5306.1	5232.4	5017.7
70°	5750.8	5524.6	5313.7	5101.5	4998.6	4809.3	4682.2	4617.4	4484.0	4402.7	4243.8
72.5°	4017.7	3834.7	3527.2	3365.9	3331.5	3194.3	3138.4	3107.9	3043.1	2969.4	2886.8
75°	1357.0	1294.8	1217.2	1061.0	1104.2	1043.2	1003.8	1061.0	1039.4	1040.6	1000.0
77.5°	237.6	230.0	219.8	208.4	204.6	208.4	203.3	210.9	212.2	216.0	212.2
80°	170.3	161.4	155.0	149.9	146.1	147.4	143.6	144.8	143.6	144.8	143.6
82.5°	122.0	116.9	110.5	106.7	105.5	106.7	104.2	108.0	110.5	114.4	118.2
85°	76.2	75.0	71.2	69.9	69.9	68.6	69.9	75.0	80.0	86.4	90.2
87.5°	54.6	54.6	52.1	54.6	54.6	57.2	61.0	67.3	73.7	80.0	87.7
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-F03-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	106.7	106.7	106.7	106.7	106.7	106.7	106.7	105.5	105.5	106.7	106.7
5°	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	111.8	167.7
7.5°	113.1	113.1	113.1	111.8	111.8	111.8	113.1	114.4	113.1	160.1	109.3
10°	169.0	171.5	174.1	172.8	174.1	175.3	176.6	176.6	193.1	170.3	116.9
12.5°	186.8	186.8	188.1	186.8	185.5	203.3	240.1	240.1	241.4	188.1	186.8
15°	264.3	260.5	264.3	275.7	311.3	316.4	317.7	316.4	301.1	280.8	269.4
17.5°	317.7	302.4	318.9	348.1	316.4	315.1	296.1	282.1	287.2	350.7	363.4
20°	480.3	498.1	507.0	522.2	510.8	480.3	468.9	470.1	467.6	479.0	405.3
22.5°	627.7	650.6	648.0	641.7	623.9	642.9	650.6	602.3	593.4	631.5	654.4
25°	815.7	804.3	806.8	794.1	787.8	790.3	797.9	834.8	833.5	903.4	728.1
27.5°	974.6	989.8	979.6	980.9	1003.8	988.5	1013.9	1013.9	1066.0	987.3	975.8
30°	1040.6	1055.9	1085.1	1092.7	1115.6	1129.6	1127.0	1135.9	1139.7	1193.1	1064.8
32.5°	1298.6	1283.3	1306.2	1340.5	1353.2	1364.6	1400.2	1396.4	1376.1	1321.4	1216.0
35°	1416.7	1449.8	1449.8	1453.6	1509.5	1513.3	1509.5	1531.1	1514.6	1479.0	1282.0
37.5°	1533.6	1546.3	1587.0	1593.3	1584.5	1626.4	1627.7	1616.2	1632.7	1567.9	1404.0
40°	1672.1	1689.9	1696.3	1731.8	1714.1	1709.0	1757.3	1739.5	1728.0	1649.3	1440.9
42.5°	1829.7	1824.6	1834.8	1837.3	1856.4	1836.0	1834.8	1874.2	1843.7	1716.6	1437.1
45°	1988.5	1966.9	1956.7	1958.0	1955.5	1965.6	1933.9	1955.5	1959.3	1752.2	1404.0
47.5°	2088.9	2116.8	2091.4	2069.8	2055.9	2057.1	2047.0	1997.4	2036.8	1763.6	1351.9
50°	2245.2	2242.6	2240.1	2191.8	2177.8	2151.1	2138.4	2102.9	2074.9	1726.8	1294.8
52.5°	2420.5	2415.4	2421.8	2379.9	2326.5	2293.5	2255.3	2222.3	2157.5	1689.9	1231.2
55°	2853.8	2842.4	2808.1	2796.6	2698.8	2614.9	2510.7	2447.2	2390.0	1687.4	1157.5
57.5°	4021.5	3969.4	3880.5	3811.8	3627.6	3451.0	3288.3	3102.8	2974.5	1828.4	1101.6
60°	5099.0	5032.9	4918.5	4697.5	4505.6	4195.6	3900.8	3656.8	3433.2	1977.1	1038.1
62.5°	5533.5	5395.0	5226.0	5007.5	4680.9	4381.1	3978.3	3696.2	3414.1	1889.4	876.7
65°	5425.5	5193.0	4985.9	4740.7	4428.1	4053.3	3642.8	3303.6	3058.4	1526.0	608.6
67.5°	4910.9	4697.5	4490.3	4201.9	3856.3	3438.3	3086.3	2735.6	2515.8	1086.4	339.3
70°	4110.4	3947.8	3696.2	3416.7	3102.8	2722.9	2364.6	2059.7	1841.1	663.3	165.2
72.5°	2825.8	2687.3	2581.9	2344.3	2026.6	1683.6	1481.5	1243.9	1113.1	339.3	109.3
75°	1021.6	1033.0	951.7	909.8	805.6	649.3	571.8	481.6	420.6	153.7	108.0
77.5°	237.6	233.8	246.5	252.9	235.1	214.7	193.1	177.9	166.5	120.7	114.4
80°	144.8	143.6	142.3	141.0	139.8	138.5	137.2	134.7	132.1	118.2	115.6
82.5°	120.7	122.0	122.0	122.0	123.2	123.2	124.5	124.5	123.2	118.2	116.9
85°	94.0	97.8	101.6	105.5	110.5	115.6	118.2	119.4	119.4	115.6	115.6
87.5°	94.0	99.1	105.5	113.1	120.7	127.1	132.1	134.7	134.7	116.9	114.4
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-F03-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	109.3	109.3	109.3	109.3	109.3	109.3
2.5°	113.1	110.5	111.8	120.7	115.6	113.1
5°	170.3	132.1	110.5	109.3	108.0	106.7
7.5°	113.1	113.1	115.6	143.6	158.8	167.7
10°	127.1	181.7	190.6	186.8	188.1	185.5
12.5°	256.7	193.1	202.0	227.4	264.3	264.3
15°	278.3	339.3	275.7	278.3	274.5	274.5
17.5°	364.7	362.1	293.5	354.5	359.6	359.6
20°	461.2	418.0	434.5	381.2	374.8	373.6
22.5°	498.1	515.9	460.0	467.6	467.6	465.0
25°	663.3	580.7	542.6	482.8	536.2	524.8
27.5°	772.5	642.9	635.3	570.5	562.9	557.8
30°	916.1	805.6	678.5	649.3	648.0	642.9
32.5°	994.9	839.9	734.4	669.6	716.6	714.1
35°	1083.8	875.5	777.6	729.3	696.3	691.2
37.5°	1088.9	890.7	753.5	740.8	730.6	726.8
40°	1102.9	860.2	750.9	739.5	729.3	725.5
42.5°	1062.2	818.3	714.1	672.2	653.1	648.0
45°	1006.3	753.5	637.8	590.8	568.0	562.9
47.5°	940.3	695.0	556.5	513.3	481.6	472.7
50°	871.6	618.8	476.5	424.4	393.9	383.7
52.5°	796.7	522.2	387.5	343.1	311.3	304.9
55°	706.5	420.6	302.4	271.9	252.9	247.8
57.5°	589.6	316.4	231.3	217.3	208.4	205.8
60°	452.3	222.4	174.1	177.9	174.1	176.6
62.5°	310.0	147.4	133.4	144.8	146.1	146.1
65°	180.4	106.7	108.0	122.0	123.2	124.5
67.5°	110.5	88.9	94.0	108.0	109.3	109.3
70°	92.8	82.6	87.7	101.6	102.9	102.9
72.5°	90.2	82.6	85.1	99.1	100.4	101.6
75°	91.5	81.3	85.1	99.1	97.8	96.6
77.5°	94.0	81.3	83.9	99.1	100.4	94.0
80°	92.8	78.8	80.0	105.5	101.6	86.4
82.5°	88.9	73.7	71.2	111.8	90.2	77.5
85°	82.6	66.1	58.4	122.0	88.9	55.9
87.5°	47.0	54.6	43.2	106.7	81.3	44.5
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)