

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: P157041

Luminaire Tested: **UTLD-E02-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157041
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-SL2-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5429.7 lumens
Efficiency: N/A
Efficacy: 104.2 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 - G2

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

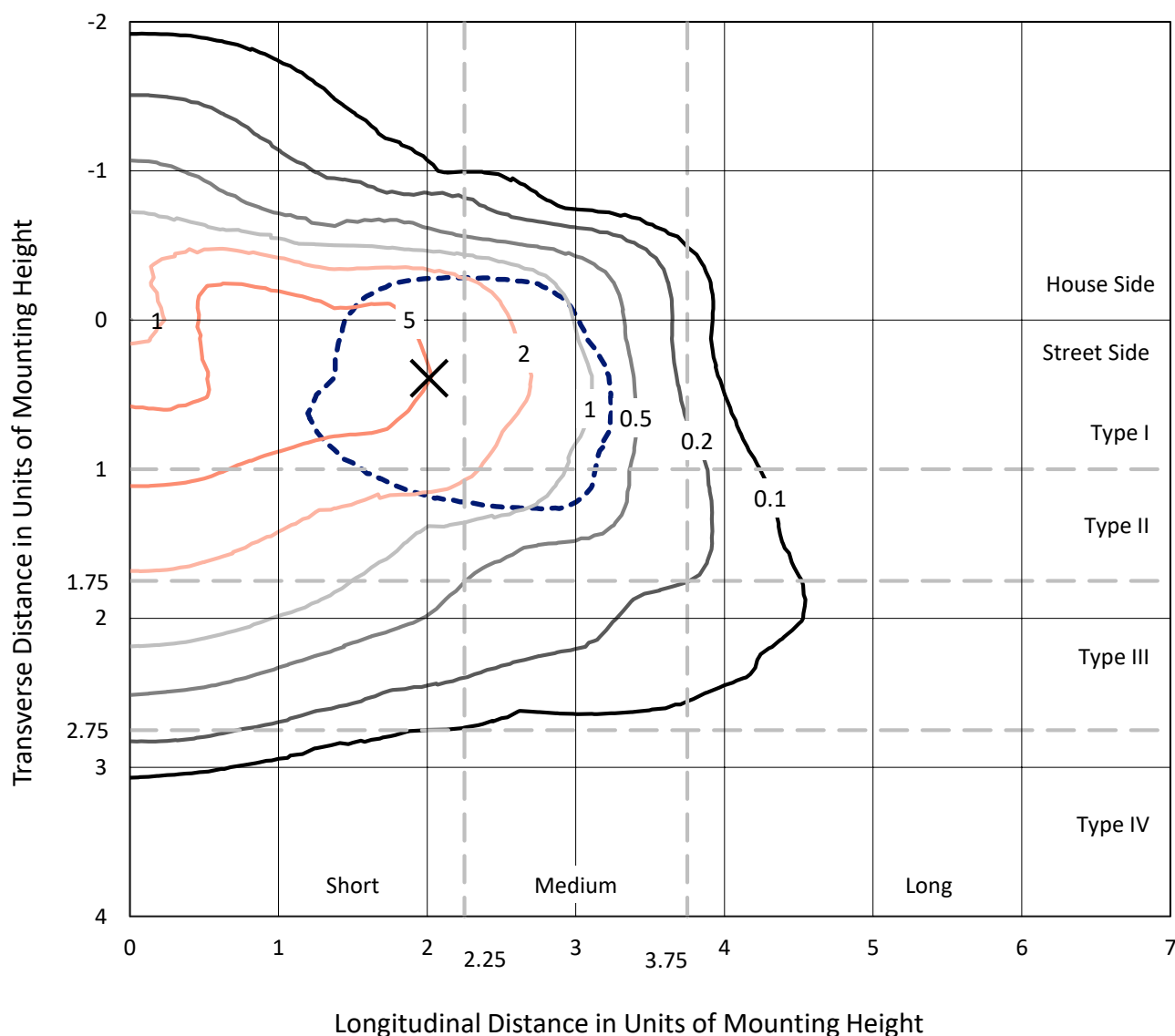


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

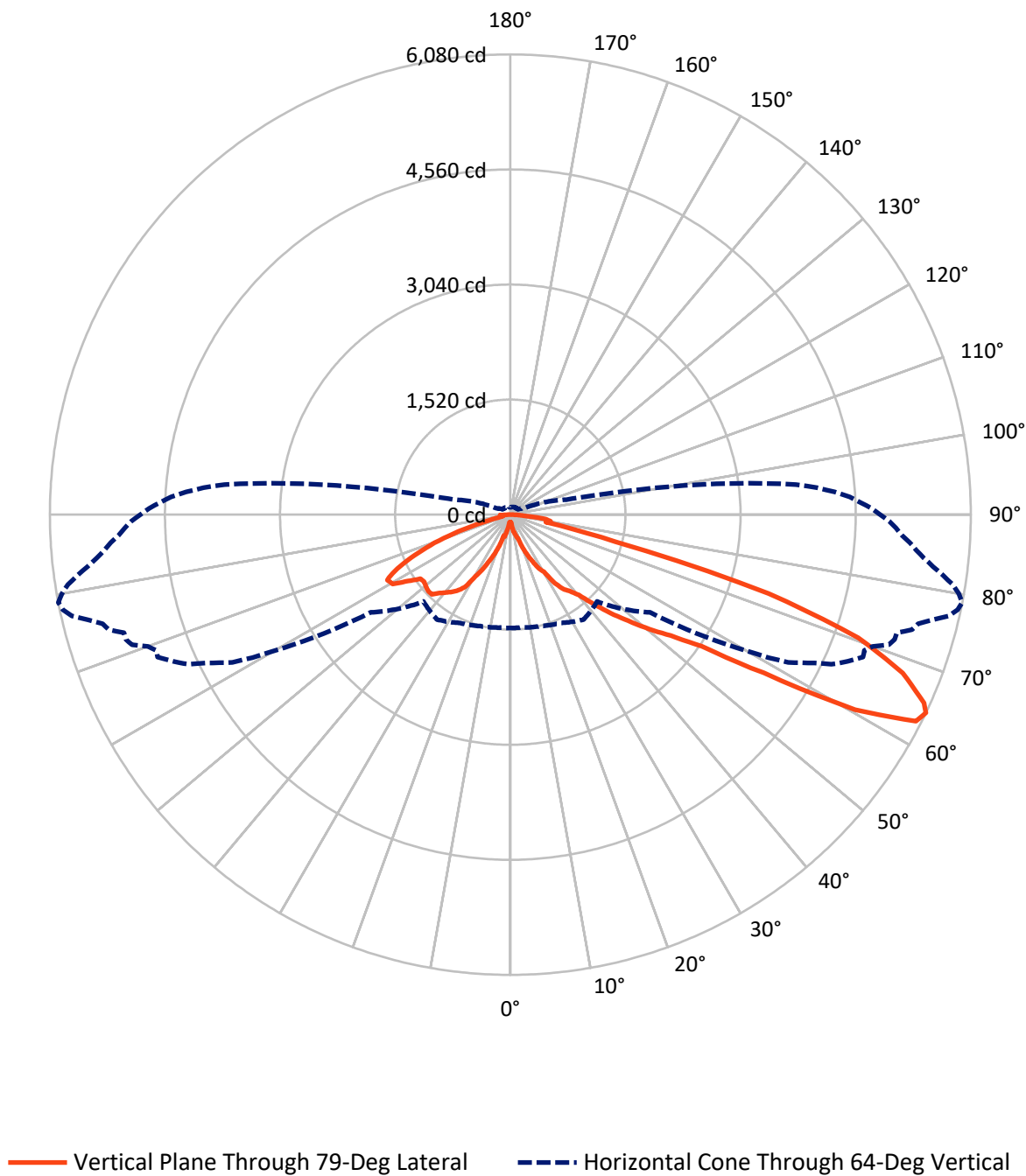


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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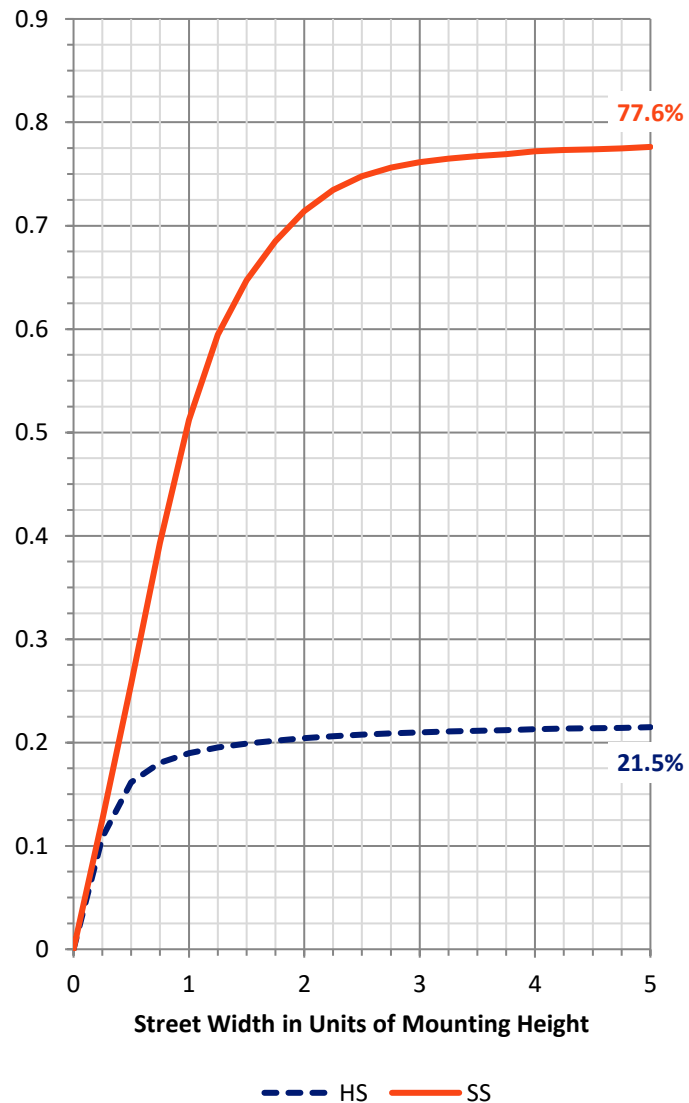
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.8	0.0	1192.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4236.9	0.0	4236.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	5429.7	0.0	5429.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.3
10°-20°	79.3	1.5
20°-30°	232.2	4.3
30°-40°	507.4	9.3
40°-50°	922.8	17.0
50°-60°	1288.7	23.7
60°-70°	1620.4	29.8
70°-80°	628.2	11.6
80°-90°	137.1	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°	5429.7	100.0
0°-180°	5429.7	100.0

Coefficient of Utilization



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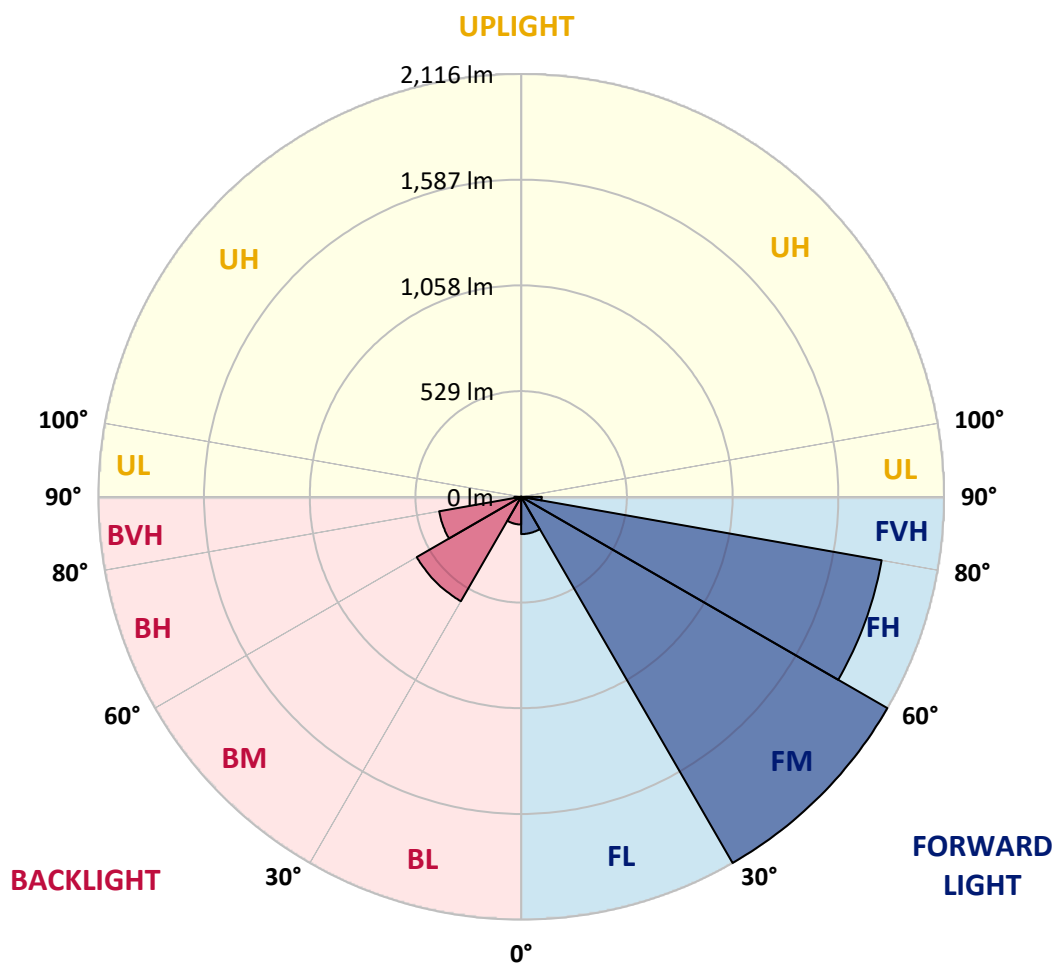
CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.6	3.4			
FM	(30°-60°)	2115.8	39.0			
FH	(60°-80°)	1831.6	33.7			G2/5000
FVH	(80°-90°)	102.9	1.9			G2/225
BL	(0°-30°)	138.5	2.6	B1/500		
BM	(30°-60°)	603.1	11.1	B1/1000		
BH	(60°-80°)	417.0	7.7	B1/500		G1/500
BVH	(80°-90°)	34.2	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	159.0	158.0	160.1	160.1	160.1	158.0	141.6	121.1	120.1	117.0	113.9
5°	131.3	131.3	131.3	132.4	133.4	135.4	143.7	153.9	159.0	160.1	161.1
7.5°	191.9	193.9	193.9	193.9	161.1	138.5	137.5	139.6	137.5	135.4	132.4
10°	197.0	198.0	198.0	200.1	201.1	198.0	169.3	191.9	191.9	192.9	193.9
12.5°	269.9	271.9	270.9	261.7	213.4	261.7	274.0	256.5	239.1	220.6	209.3
15°	286.3	290.4	282.2	274.0	326.3	306.8	289.4	333.5	333.5	336.6	345.8
17.5°	369.4	370.4	364.3	354.0	338.6	346.8	354.0	353.0	359.1	364.3	361.2
20°	443.3	434.0	381.7	409.4	404.3	401.2	402.2	438.1	441.2	443.3	452.5
22.5°	467.9	467.9	446.4	468.9	447.4	452.5	493.6	541.8	539.7	531.5	519.2
25°	570.5	572.6	523.3	485.3	495.6	507.9	532.5	606.4	597.2	607.5	612.6
27.5°	616.7	620.8	576.7	566.4	516.1	571.5	658.8	679.3	686.5	698.8	698.8
30°	740.8	742.9	714.2	633.1	615.7	622.8	712.1	741.9	752.1	765.5	815.8
32.5°	928.6	929.7	860.9	726.5	692.6	719.3	825.0	858.9	878.3	859.9	881.4
35°	1228.2	1219.0	1090.8	982.0	897.8	831.1	935.8	1054.8	1042.5	1045.6	1055.9
37.5°	1427.3	1439.6	1399.6	1275.4	1217.0	1124.6	1187.2	1202.6	1179.0	1197.5	1203.6
40°	1585.3	1602.8	1586.4	1524.8	1468.4	1427.3	1503.2	1449.9	1416.0	1419.1	1395.5
42.5°	1644.8	1664.3	1680.8	1716.7	1702.3	1746.4	1852.1	1775.2	1769.0	1739.2	1681.8
45°	1685.9	1704.4	1757.7	1829.5	1852.1	1968.1	2150.7	2119.9	2142.5	2077.9	2043.0
47.5°	1694.1	1711.5	1772.1	1885.0	1947.5	2115.8	2398.0	2428.8	2446.2	2411.3	2403.1
50°	1622.3	1636.6	1701.3	1835.7	1927.0	2180.5	2562.2	2675.1	2690.4	2699.7	2706.9
52.5°	1510.4	1527.9	1588.4	1702.3	1818.3	2150.7	2651.5	2869.0	2887.5	2927.5	2975.7
55°	1466.3	1480.7	1518.6	1611.0	1699.2	2028.6	2696.6	3033.2	3062.9	3132.7	3215.8
57.5°	1460.1	1474.5	1508.4	1539.2	1636.6	1886.0	2716.1	3218.9	3311.2	3424.1	3558.5
60°	1513.5	1519.7	1535.1	1536.1	1581.2	1777.2	2656.6	3447.7	3632.4	3797.6	4009.0
62.5°	1549.4	1554.5	1578.2	1621.2	1608.9	1668.4	2455.5	3596.5	3871.5	4115.7	4389.7
64°	1497.1	1497.1	1524.8	1578.2	1690.0	1622.3	2251.3	3591.4	3893.0	4154.7	4466.6
65°	1437.6	1436.5	1462.2	1505.3	1676.7	1615.1	2103.5	3505.2	3817.1	4079.8	4417.4
67.5°	1167.7	1127.7	1151.3	1205.7	1414.0	1631.5	1736.2	2949.0	3269.2	3586.2	3975.1
70°	604.4	625.9	638.2	728.5	977.9	1403.7	1457.1	2084.0	2448.3	2764.3	3301.0
72.5°	255.5	239.1	268.8	332.5	514.1	994.3	1340.1	1447.8	1637.7	1889.1	2458.5
75°	138.5	139.6	145.7	165.2	267.8	549.0	1235.4	1275.4	1292.9	1333.9	1637.7
77.5°	102.6	102.6	105.7	105.7	139.6	285.3	985.1	1205.7	1208.8	1182.1	1251.8
80°	77.0	81.1	86.2	82.1	87.2	162.1	576.7	1094.9	1141.0	1150.3	1207.7
82.5°	63.6	65.7	77.0	73.9	68.7	97.5	270.9	829.1	958.4	1034.3	1175.9
85°	43.1	46.2	69.8	67.7	62.6	65.7	157.0	268.8	324.2	374.5	477.1
87.5°	17.4	22.6	45.1	41.0	43.1	36.9	96.5	141.6	156.0	177.5	220.6
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°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	111.8	109.8	108.8	106.7	105.7	104.7	105.7	103.6	102.6	103.6	101.6
5°	160.1	160.1	159.0	157.0	156.0	153.9	152.9	144.7	135.4	130.3	122.1
7.5°	133.4	133.4	135.4	140.6	145.7	150.8	153.9	154.9	153.9	154.9	154.9
10°	193.9	197.0	197.0	199.1	199.1	200.1	201.1	203.2	205.2	217.5	226.8
12.5°	208.3	209.3	209.3	210.4	214.5	218.6	218.6	221.6	219.6	218.6	216.5
15°	340.7	335.5	311.9	308.9	307.8	304.8	296.5	293.5	293.5	295.5	294.5
17.5°	364.3	367.3	363.2	358.1	353.0	341.7	322.2	324.2	322.2	324.2	328.4
20°	455.6	446.4	452.5	475.1	490.5	495.6	500.7	503.8	493.6	478.2	476.1
22.5°	514.1	508.9	521.3	525.4	526.4	536.7	538.7	545.9	573.6	568.5	573.6
25°	613.6	667.0	668.0	671.1	676.2	682.4	678.3	687.5	685.4	693.6	693.6
27.5°	714.2	710.1	714.2	718.3	713.1	710.1	720.3	720.3	739.8	728.5	730.6
30°	810.6	813.7	822.9	831.1	837.3	834.2	835.2	849.6	839.4	847.6	859.9
32.5°	878.3	890.7	913.2	919.4	977.9	968.6	994.3	1006.6	1016.9	1033.3	1048.7
35°	1072.3	1081.5	1093.8	1093.8	1087.7	1103.1	1114.4	1122.6	1132.8	1158.5	1150.3
37.5°	1206.7	1207.7	1211.8	1185.2	1202.6	1209.8	1209.8	1227.2	1245.7	1246.7	1228.2
40°	1385.2	1360.6	1350.4	1326.8	1348.3	1318.5	1341.1	1337.0	1350.4	1333.9	1344.2
42.5°	1655.1	1618.2	1560.7	1552.5	1534.0	1517.6	1498.1	1514.5	1485.8	1498.1	1529.9
45°	1997.8	1899.3	1873.7	1847.0	1771.1	1758.7	1749.5	1711.5	1674.6	1714.6	1769.0
47.5°	2355.9	2247.2	2212.3	2162.0	2111.7	2047.1	2009.1	1930.1	1911.6	1961.9	1997.8
50°	2657.6	2574.5	2580.7	2509.9	2447.3	2405.2	2300.5	2221.5	2217.4	2234.9	2217.4
52.5°	2922.3	2904.9	2908.0	2863.9	2821.8	2769.5	2643.2	2596.0	2564.2	2537.6	2466.8
55°	3186.1	3243.5	3238.4	3272.3	3263.0	3225.0	3135.8	3146.0	3133.7	3046.5	2975.7
57.5°	3622.2	3710.4	3765.8	3815.1	3919.7	3908.4	3891.0	4048.0	4041.8	3958.7	3991.6
60°	4192.7	4288.1	4428.7	4554.9	4671.9	4703.7	4803.2	5018.7	5000.2	5009.4	5118.2
62.5°	4623.6	4743.7	4893.5	5041.3	5039.2	5122.3	5322.4	5431.2	5410.7	5558.4	5644.6
64°	4676.0	4803.2	4912.0	5022.8	5007.4	5091.5	5282.4	5334.7	5335.7	5515.3	5573.8
65°	4599.0	4734.5	4813.5	4910.9	4892.5	4984.8	5174.6	5172.6	5202.4	5385.0	5436.3
67.5°	4127.0	4310.7	4375.3	4411.2	4431.7	4570.3	4673.9	4630.8	4759.1	4834.0	4958.1
70°	3480.5	3685.8	3798.6	3814.0	3885.9	4025.4	4101.3	4020.3	4178.3	4128.0	4344.5
72.5°	2744.8	2936.7	3106.0	3124.5	3246.6	3318.4	3311.2	3312.3	3336.9	3257.9	3438.5
75°	1906.5	2053.2	2182.5	2198.9	2263.6	2200.0	2152.8	2059.4	1951.7	1860.3	1849.0
77.5°	1298.0	1346.3	1333.9	1285.7	1233.4	1150.3	1084.6	1066.1	997.4	968.6	909.1
80°	1202.6	1219.0	1195.4	1192.3	1153.3	1061.0	1013.8	935.8	925.5	891.7	849.6
82.5°	1202.6	1210.8	1214.9	1238.5	1186.2	1115.4	1034.3	918.4	878.3	788.0	733.7
85°	570.5	605.4	663.9	715.2	713.1	693.6	604.4	557.2	473.0	405.3	343.7
87.5°	254.5	283.2	316.0	328.4	339.6	328.4	297.6	268.8	220.6	172.4	142.6
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°	83°	84°	85°	86°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	101.6	101.6	101.6	101.6	100.6	100.6	100.6	100.6	100.6	99.5	99.5
5°	113.9	111.8	107.7	107.7	105.7	104.7	104.7	103.6	103.6	102.6	102.6
7.5°	153.9	152.9	149.8	137.5	119.0	111.8	105.7	105.7	104.7	105.7	107.7
10°	230.9	230.9	228.8	225.7	224.7	220.6	200.1	182.6	171.4	169.3	167.3
12.5°	219.6	224.7	238.1	245.2	245.2	244.2	242.2	236.0	207.3	189.8	185.7
15°	295.5	297.6	298.6	302.7	315.0	317.1	315.0	317.1	315.0	295.5	268.8
17.5°	332.5	325.3	325.3	328.4	340.7	334.5	346.8	383.8	390.9	360.2	363.2
20°	472.0	472.0	474.1	466.9	472.0	481.2	482.3	486.4	494.6	492.5	480.2
22.5°	560.3	553.1	570.5	578.7	581.8	580.8	579.7	577.7	581.8	588.0	582.8
25°	681.3	687.5	688.5	684.4	675.2	671.1	678.3	685.4	707.0	720.3	711.1
27.5°	753.2	771.6	818.8	808.6	802.4	809.6	814.7	832.2	825.0	819.9	834.2
30°	877.3	874.2	864.0	873.2	885.5	900.9	896.8	884.5	878.3	892.7	888.6
32.5°	1043.5	1031.2	1050.7	1078.4	1097.9	1081.5	1070.2	1084.6	1084.6	1069.2	1086.6
35°	1135.9	1158.5	1188.2	1206.7	1193.4	1193.4	1204.6	1197.5	1202.6	1220.0	1230.3
37.5°	1247.7	1284.7	1303.2	1284.7	1288.8	1313.4	1314.4	1324.7	1335.0	1354.5	1383.2
40°	1390.4	1408.8	1395.5	1394.5	1425.3	1433.5	1451.9	1487.9	1503.2	1530.9	1543.3
42.5°	1566.9	1572.0	1574.0	1611.0	1616.1	1625.4	1672.6	1705.4	1745.4	1756.7	1741.3
45°	1785.4	1782.3	1828.5	1854.2	1860.3	1925.0	1943.4	1968.1	1994.7	1971.1	2010.1
47.5°	1984.5	2034.8	2094.3	2096.3	2148.7	2190.7	2207.2	2229.7	2208.2	2232.8	2204.1
50°	2219.5	2309.8	2300.5	2375.4	2416.5	2424.7	2458.5	2425.7	2429.8	2406.2	2398.0
52.5°	2512.9	2550.9	2546.8	2651.5	2658.6	2687.4	2662.7	2643.2	2640.2	2609.4	2586.8
55°	3022.9	2972.6	3026.0	3065.0	3085.5	3096.8	3018.8	3052.7	2974.7	2973.7	2920.3
57.5°	3962.8	3953.6	3987.4	3944.3	3999.8	3912.5	3907.4	3838.7	3790.4	3789.4	3758.6
60°	5094.6	5238.3	5271.1	5230.1	5124.4	5083.3	5016.6	4958.1	4873.0	4880.2	4816.5
62.5°	5732.9	5930.9	5983.2	6009.9	5873.4	5811.9	5659.0	5561.5	5430.2	5388.1	5285.5
64°	5744.1	5942.2	6038.6	6079.7	6010.9	5914.5	5769.8	5623.1	5489.7	5379.9	5286.5
65°	5659.0	5829.3	5960.6	6001.7	5996.6	5869.3	5749.3	5575.9	5452.7	5300.9	5205.4
67.5°	5200.3	5351.1	5522.5	5590.2	5660.0	5615.9	5513.3	5345.0	5197.2	5014.6	4881.2
70°	4490.2	4621.6	4774.5	4873.0	4948.9	4985.8	4897.6	4768.3	4656.5	4442.0	4285.0
72.5°	3507.2	3528.8	3559.6	3563.7	3533.9	3519.5	3440.5	3449.8	3244.5	3114.2	3023.9
75°	1742.3	1670.5	1496.1	1431.4	1283.7	1196.4	1095.9	1055.9	951.2	921.4	841.4
77.5°	798.3	698.8	576.7	480.2	401.2	346.8	295.5	259.6	229.8	218.6	202.1
80°	781.9	702.9	608.5	537.7	454.6	379.7	308.9	242.2	195.0	166.2	147.8
82.5°	665.9	573.6	510.0	467.9	415.6	363.2	297.6	240.1	184.7	142.6	115.9
85°	272.9	222.7	188.8	171.4	152.9	134.4	115.9	99.5	89.3	75.9	68.7
87.5°	117.0	102.6	94.4	93.4	89.3	86.2	83.1	79.0	69.8	64.6	58.5
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
5°	102.6	102.6	101.6	101.6	101.6	101.6	102.6	101.6	101.6	101.6	101.6
7.5°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	109.8	108.8	108.8	109.8
10°	166.2	165.2	161.1	160.1	158.0	158.0	158.0	159.0	163.2	165.2	167.3
12.5°	181.6	183.7	185.7	181.6	183.7	178.5	181.6	183.7	182.6	183.7	181.6
15°	270.9	270.9	269.9	268.8	265.8	262.7	261.7	261.7	259.6	257.6	259.6
17.5°	359.1	359.1	354.0	349.9	349.9	328.4	343.7	338.6	341.7	327.3	366.3
20°	450.5	448.4	451.5	458.7	461.7	456.6	449.4	441.2	439.2	452.5	468.9
22.5°	581.8	577.7	566.4	552.0	550.0	549.0	562.3	562.3	563.3	569.5	579.7
25°	696.7	674.2	664.9	675.2	678.3	663.9	663.9	669.0	696.7	707.0	708.0
27.5°	837.3	830.1	824.0	811.6	806.5	827.0	838.3	826.0	821.9	837.3	837.3
30°	894.8	911.2	910.2	922.5	931.7	906.1	892.7	925.5	922.5	898.9	912.2
32.5°	1105.1	1113.3	1124.6	1140.0	1128.7	1145.1	1127.7	1114.4	1135.9	1131.8	1116.4
35°	1229.3	1251.8	1251.8	1252.9	1283.7	1277.5	1270.3	1266.2	1249.8	1261.1	1268.3
37.5°	1381.1	1366.8	1379.1	1394.5	1400.6	1407.8	1409.9	1415.0	1393.5	1379.1	1358.6
40°	1529.9	1547.4	1532.0	1536.1	1548.4	1546.3	1554.5	1565.8	1535.1	1513.5	1484.8
42.5°	1753.6	1747.5	1743.4	1737.2	1722.8	1737.2	1722.8	1690.0	1697.2	1665.4	1624.3
45°	1988.6	1976.3	1977.3	1957.8	1943.4	1904.5	1893.2	1883.9	1844.9	1821.3	1756.7
47.5°	2206.1	2196.9	2164.1	2171.2	2127.1	2080.9	2052.2	2037.8	1984.5	1920.9	1881.9
50°	2392.9	2368.3	2369.3	2322.1	2290.3	2254.4	2209.2	2153.8	2095.3	2035.8	1951.7
52.5°	2562.2	2560.1	2530.4	2497.5	2450.3	2430.8	2353.9	2274.9	2204.1	2133.3	2038.9
55°	2955.2	2919.3	2856.7	2840.3	2817.7	2699.7	2642.2	2545.8	2436.0	2349.8	2223.6
57.5°	3767.9	3720.7	3646.8	3639.6	3501.1	3406.7	3274.3	3161.4	3011.6	2864.9	2679.2
60°	4737.5	4667.8	4672.9	4566.2	4448.2	4335.3	4170.1	4010.0	3802.7	3551.4	3240.4
62.5°	5193.1	5125.4	5066.9	4945.8	4820.6	4696.5	4560.0	4345.6	4145.5	3852.0	3466.2
64°	5177.7	5094.6	5005.3	4883.2	4770.4	4625.7	4487.2	4292.2	4066.5	3794.5	3387.2
65°	5102.8	5010.5	4895.5	4778.6	4643.1	4508.7	4372.2	4195.7	3946.4	3682.7	3272.3
67.5°	4749.8	4630.8	4507.7	4394.8	4252.2	4118.8	3996.7	3837.6	3579.1	3295.9	2927.5
70°	4169.1	4022.3	3886.9	3814.0	3710.4	3591.4	3443.6	3310.2	3071.1	2790.0	2455.5
72.5°	2862.8	2693.5	2599.1	2629.9	2526.3	2489.3	2454.4	2349.8	2140.5	1938.3	1723.9
75°	895.8	828.1	782.9	838.3	800.4	861.9	842.4	824.0	768.6	745.0	670.0
77.5°	203.2	193.9	189.8	187.8	188.8	187.8	184.7	183.7	180.6	182.6	177.5
80°	140.6	134.4	132.4	129.3	127.2	124.2	121.1	120.1	119.0	117.0	115.9
82.5°	101.6	93.4	92.3	90.3	89.3	87.2	86.2	88.2	87.2	90.3	90.3
85°	65.7	61.6	59.5	60.5	59.5	61.6	62.6	64.6	67.7	70.8	75.9
87.5°	54.4	51.3	51.3	52.3	54.4	56.4	61.6	67.7	72.9	81.1	90.3
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-SL2-7050

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2.5°	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	101.6	102.6	107.7
5°	101.6	102.6	101.6	102.6	102.6	102.6	103.6	103.6	130.3	158.0	110.8
7.5°	108.8	109.8	108.8	107.7	106.7	105.7	110.8	115.9	145.7	103.6	101.6
10°	168.3	169.3	170.3	180.6	196.0	217.5	221.6	221.6	161.1	140.6	158.0
12.5°	181.6	188.8	219.6	230.9	230.9	230.9	228.8	216.5	170.3	222.7	221.6
15°	278.1	300.6	301.7	302.7	301.7	282.2	263.7	258.6	265.8	239.1	227.8
17.5°	356.1	315.0	343.7	287.3	270.9	275.0	279.1	285.3	324.2	302.7	280.1
20°	477.1	478.2	449.4	439.2	432.0	431.0	433.0	437.1	412.5	339.6	313.0
22.5°	569.5	554.1	559.2	566.4	560.3	545.9	539.7	532.5	488.4	448.4	330.4
25°	684.4	681.3	674.2	673.1	688.5	697.8	690.6	680.3	610.5	450.5	353.0
27.5°	835.2	841.4	839.4	817.8	807.5	821.9	807.5	776.8	684.4	559.2	364.3
30°	913.2	927.6	934.8	933.8	909.1	909.1	901.9	922.5	753.2	544.9	373.5
32.5°	1124.6	1125.6	1122.6	1123.6	1119.5	1084.6	1048.7	1029.2	742.9	557.2	356.1
35°	1240.6	1231.3	1233.4	1212.9	1188.2	1162.6	1124.6	1077.4	795.2	511.0	314.0
37.5°	1365.7	1331.9	1296.0	1278.5	1242.6	1211.8	1183.1	1126.7	769.6	473.0	268.8
40°	1453.0	1442.7	1375.0	1330.9	1306.2	1258.0	1208.8	1172.8	721.4	393.0	227.8
42.5°	1556.6	1512.5	1480.7	1394.5	1339.1	1301.1	1231.3	1165.7	645.4	318.1	198.0
45°	1685.9	1600.7	1532.0	1476.6	1360.6	1288.8	1223.1	1144.1	549.0	259.6	179.6
47.5°	1789.5	1697.2	1579.2	1481.7	1386.3	1244.7	1169.8	1078.4	457.6	223.7	167.3
50°	1877.8	1747.5	1614.1	1463.2	1340.1	1193.4	1073.3	1000.5	377.6	195.0	152.9
52.5°	1931.1	1786.4	1622.3	1441.7	1268.3	1132.8	1000.5	896.8	317.1	174.4	138.5
55°	2045.0	1885.0	1673.6	1457.1	1248.8	1083.6	962.5	835.2	281.2	156.0	127.2
57.5°	2428.8	2156.9	1894.2	1606.9	1353.4	1141.0	995.3	857.8	261.7	142.6	118.0
60°	2916.2	2546.8	2172.3	1802.9	1489.9	1234.4	1035.3	891.7	241.1	134.4	112.9
62.5°	3074.2	2646.3	2216.4	1838.8	1480.7	1206.7	1000.5	842.4	211.4	128.3	111.8
64°	2967.5	2535.5	2118.9	1735.1	1395.5	1124.6	925.5	763.4	190.9	126.2	115.9
65°	2845.4	2419.6	2027.6	1653.1	1321.6	1052.8	856.8	706.0	177.5	125.2	120.1
67.5°	2492.4	2099.4	1722.8	1371.9	1083.6	851.7	663.9	530.5	148.8	128.3	134.4
70°	2093.3	1695.1	1381.1	1069.2	822.9	625.9	470.0	363.2	129.3	136.5	145.7
72.5°	1484.8	1154.4	951.2	718.3	542.8	396.1	299.6	228.8	113.9	132.4	135.4
75°	588.0	492.5	394.0	306.8	250.4	205.2	172.4	140.6	102.6	118.0	106.7
77.5°	165.2	154.9	143.7	129.3	121.1	113.9	106.7	101.6	92.3	99.5	80.0
80°	110.8	106.7	103.6	100.6	98.5	95.4	93.4	92.3	85.2	83.1	59.5
82.5°	89.3	89.3	90.3	90.3	91.3	92.3	92.3	92.3	83.1	73.9	49.3
85°	81.1	86.2	92.3	99.5	104.7	106.7	107.7	105.7	79.0	63.6	39.0
87.5°	100.6	111.8	123.1	133.4	135.4	139.6	133.4	130.3	63.6	51.3	24.6
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):

	145°	155°	165°	175°	180°
0°	99.5	99.5	99.5	99.5	99.5
2.5°	120.1	152.9	160.1	160.1	157.0
5°	102.6	101.6	98.5	98.5	98.5
7.5°	102.6	138.5	156.0	159.0	157.0
10°	157.0	162.1	161.1	158.0	157.0
12.5°	163.2	177.5	209.3	206.2	207.3
15°	266.8	202.1	199.1	192.9	192.9
17.5°	254.5	217.5	227.8	223.7	223.7
20°	281.2	253.4	214.5	213.4	208.3
22.5°	291.4	266.8	232.9	223.7	223.7
25°	299.6	246.3	215.5	228.8	228.8
27.5°	276.0	248.3	209.3	200.1	199.1
30°	282.2	224.7	208.3	197.0	196.0
32.5°	257.6	207.3	187.8	195.0	195.0
35°	229.8	196.0	183.7	185.7	185.7
37.5°	207.3	183.7	184.7	187.8	187.8
40°	186.8	177.5	186.8	190.9	189.8
42.5°	173.4	170.3	174.4	178.5	177.5
45°	161.1	159.0	163.2	165.2	164.2
47.5°	150.8	150.8	151.9	152.9	152.9
50°	140.6	142.6	142.6	142.6	141.6
52.5°	131.3	131.3	133.4	132.4	132.4
55°	122.1	123.1	126.2	124.2	123.1
57.5°	113.9	118.0	118.0	115.9	114.9
60°	109.8	113.9	111.8	107.7	106.7
62.5°	111.8	110.8	106.7	101.6	100.6
64°	114.9	110.8	104.7	98.5	98.5
65°	118.0	110.8	103.6	96.5	96.5
67.5°	130.3	117.0	109.8	95.4	93.4
70°	137.5	126.2	118.0	95.4	91.3
72.5°	125.2	119.0	118.0	93.4	88.2
75°	96.5	100.6	105.7	87.2	83.1
77.5°	73.9	85.2	98.5	75.9	69.8
80°	59.5	81.1	102.6	63.6	53.4
82.5°	51.3	97.5	105.7	52.3	44.1
85°	42.1	109.8	103.6	45.1	31.8
87.5°	30.8	52.3	69.8	41.0	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)