

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: P157054

Luminaire Tested: **UTLD-F03-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157054
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-F03-LED-E-U-SL2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5984.7 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - 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



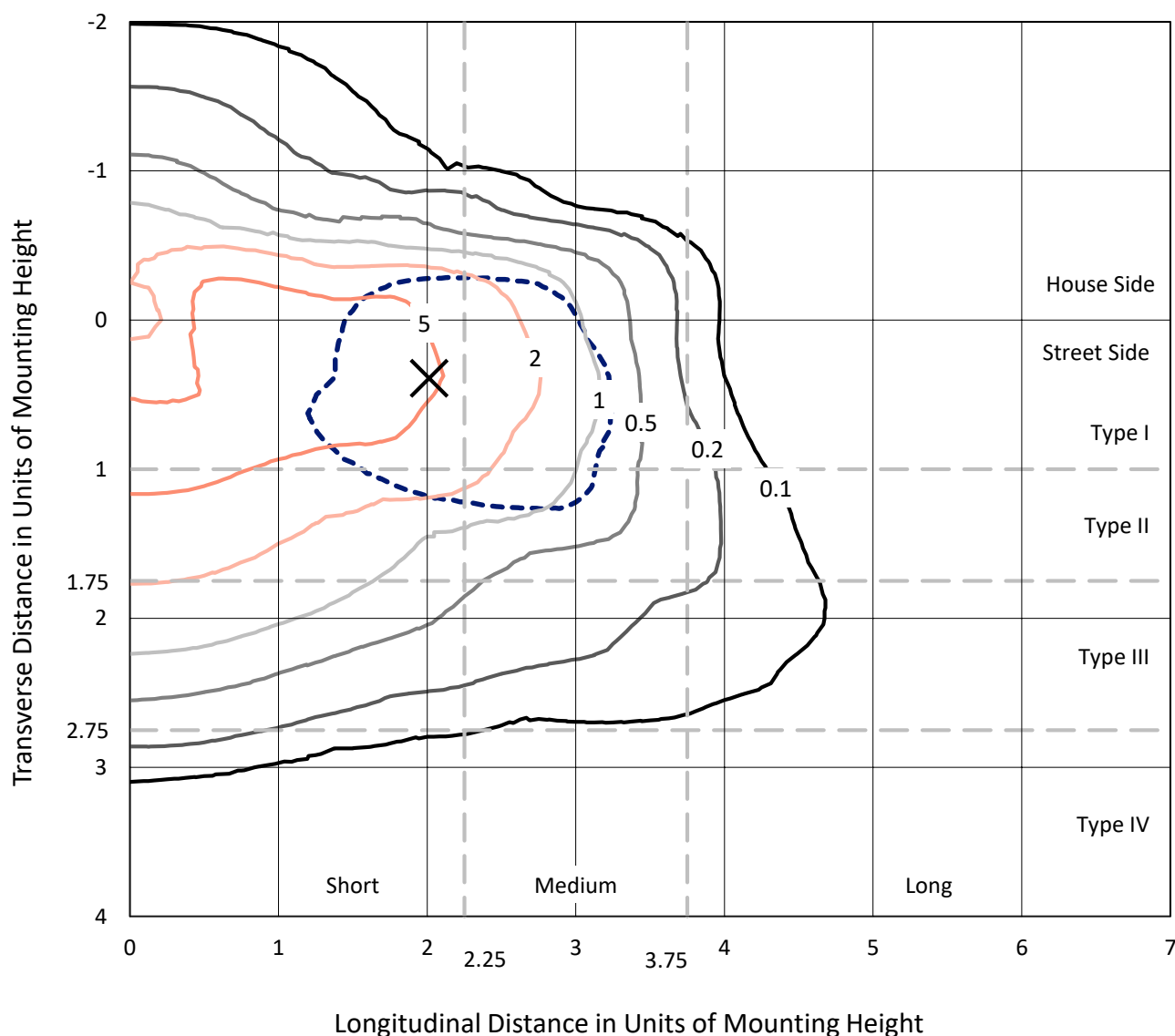
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

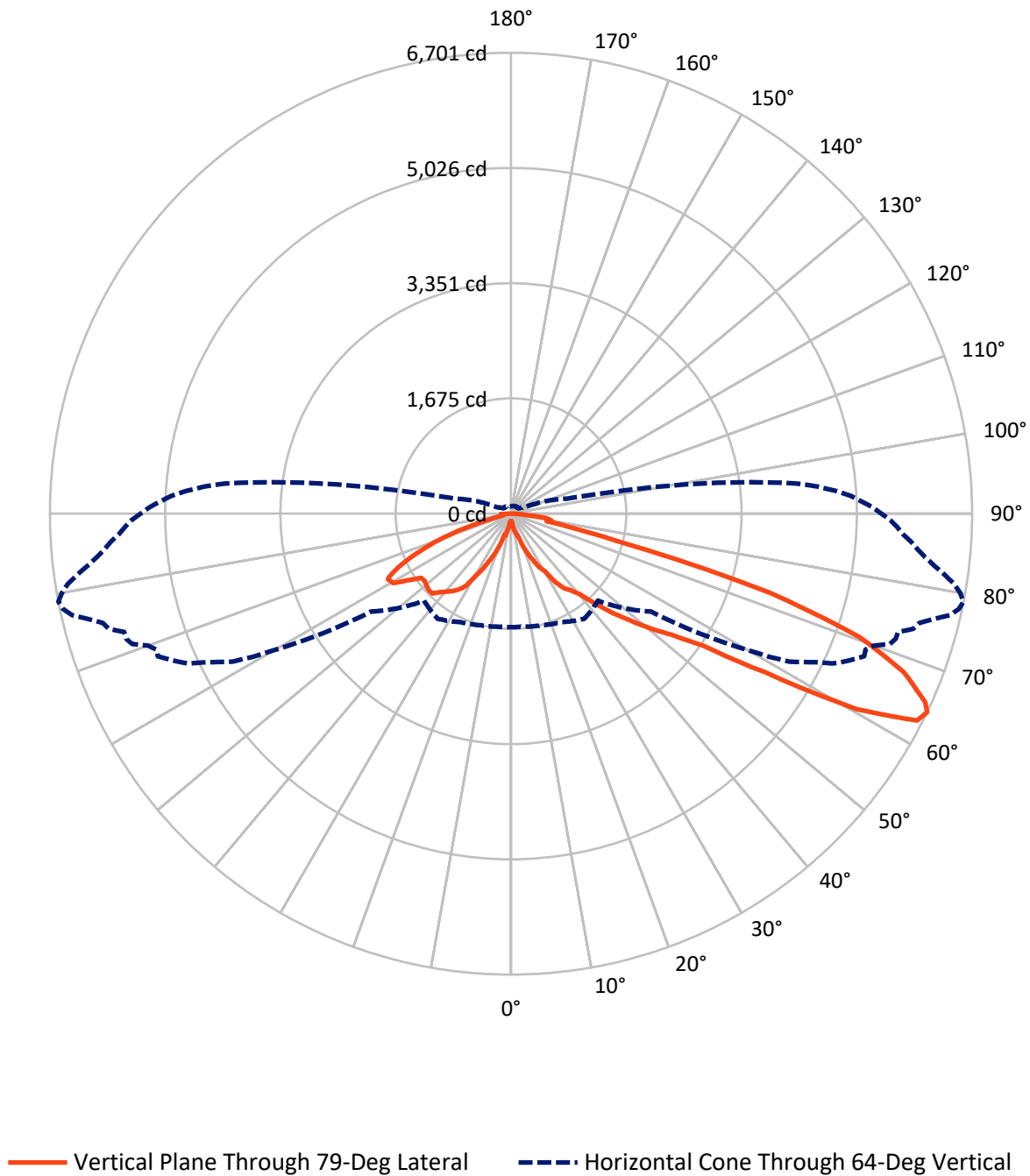


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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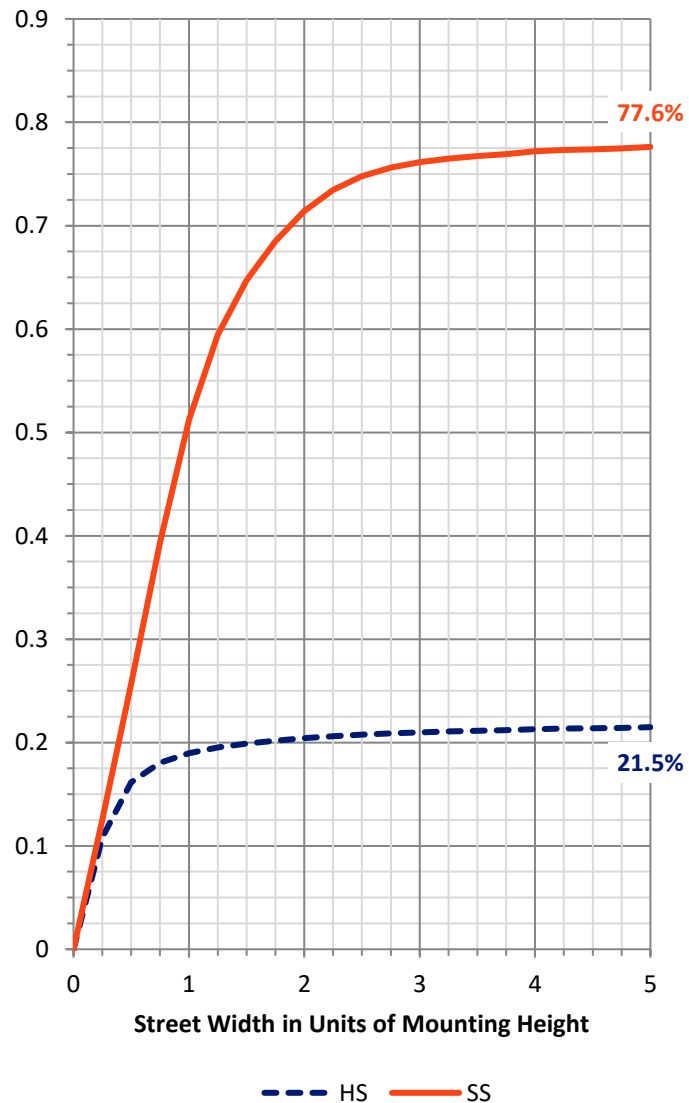
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1314.7	0.0	1314.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4670.0	0.0	4670.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	5984.7	0.0	5984.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.3
10°-20°	87.4	1.5
20°-30°	255.9	4.3
30°-40°	559.2	9.3
40°-50°	1017.2	17.0
50°-60°	1420.4	23.7
60°-70°	1786.0	29.8
70°-80°	692.4	11.6
80°-90°	151.1	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°	5984.7	100.0
0°-180°	5984.7	100.0

Coefficient of Utilization



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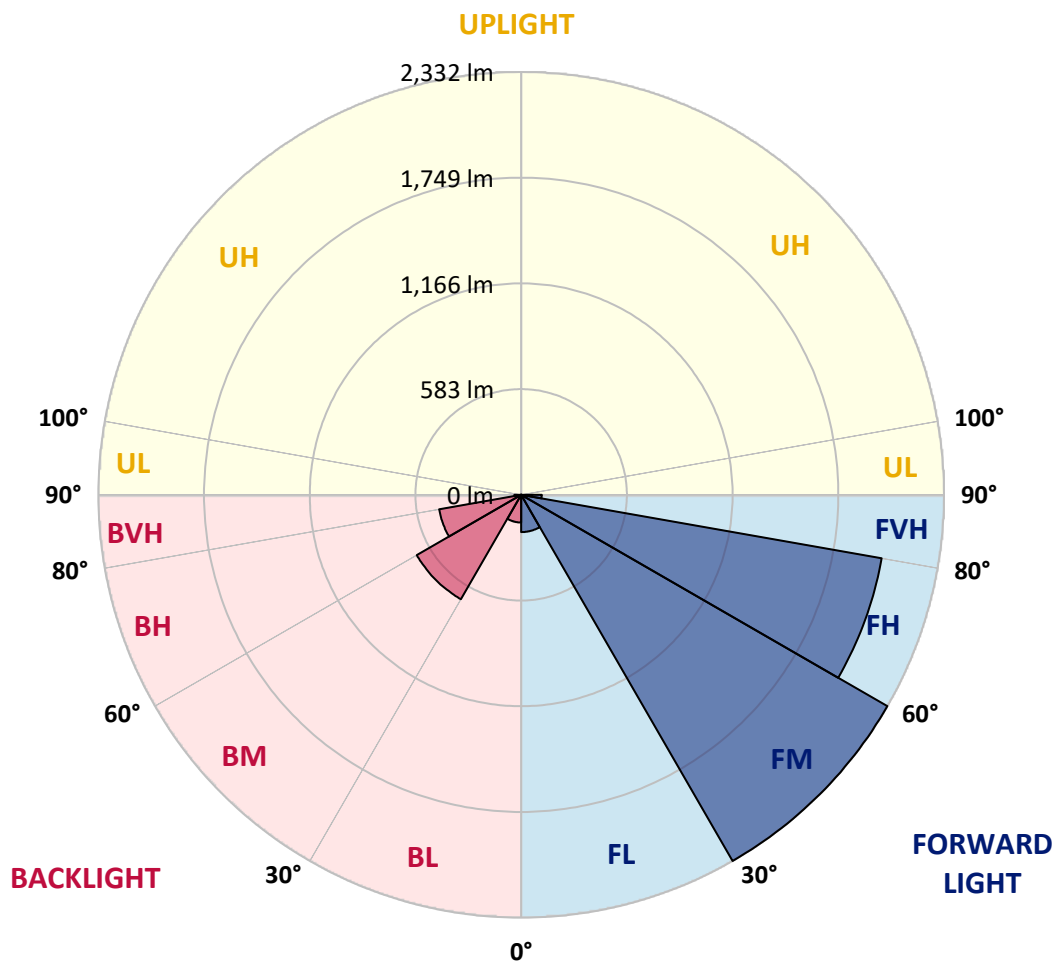
CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.6	3.4			
FM	(30°-60°)	2332.1	39.0			
FH	(60°-80°)	2018.8	33.7			G2/5000
FVH	(80°-90°)	113.4	1.9			G2/225
BL	(0°-30°)	152.7	2.6	B1/500		
BM	(30°-60°)	664.7	11.1	B1/1000		
BH	(60°-80°)	459.6	7.7	B1/500		G1/500
BVH	(80°-90°)	37.7	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°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
2.5°	175.3	174.2	176.4	176.4	176.4	174.2	156.1	133.5	132.3	128.9	125.5
5°	144.8	144.8	144.8	145.9	147.0	149.3	158.3	169.6	175.3	176.4	177.6
7.5°	211.5	213.8	213.8	213.8	177.6	152.7	151.6	153.8	151.6	149.3	145.9
10°	217.2	218.3	218.3	220.5	221.7	218.3	186.6	211.5	211.5	212.6	213.8
12.5°	297.5	299.7	298.6	288.4	235.2	288.4	302.0	282.7	263.5	243.2	230.7
15°	315.5	320.1	311.0	302.0	359.7	338.2	318.9	367.6	367.6	371.0	381.1
17.5°	407.2	408.3	401.5	390.2	373.2	382.3	390.2	389.1	395.8	401.5	398.1
20°	488.6	478.4	420.7	451.3	445.6	442.2	443.3	482.9	486.3	488.6	498.8
22.5°	515.7	515.7	492.0	516.9	493.1	498.8	544.0	597.2	594.9	585.9	572.3
25°	628.8	631.1	576.8	535.0	546.3	559.8	587.0	668.4	658.2	669.5	675.2
27.5°	679.7	684.2	635.6	624.3	568.9	630.0	726.1	748.7	756.6	770.2	770.2
30°	816.6	818.8	787.2	697.8	678.6	686.5	784.9	817.7	829.0	843.7	899.1
32.5°	1023.5	1024.7	948.9	800.7	763.4	792.8	909.3	946.6	968.1	947.8	971.5
35°	1353.8	1343.6	1202.2	1082.4	989.6	916.1	1031.5	1162.7	1149.1	1152.5	1163.8
37.5°	1573.2	1586.8	1542.7	1405.8	1341.4	1239.6	1308.6	1325.5	1299.5	1319.9	1326.7
40°	1747.4	1766.6	1748.5	1680.7	1618.4	1573.2	1656.9	1598.1	1560.8	1564.2	1538.1
42.5°	1813.0	1834.5	1852.6	1892.1	1876.3	1924.9	2041.4	1956.6	1949.8	1917.0	1853.7
45°	1858.2	1878.6	1937.4	2016.6	2041.4	2169.2	2370.6	2336.6	2361.5	2290.3	2251.8
47.5°	1867.3	1886.5	1953.2	2077.6	2146.6	2332.1	2643.1	2677.1	2696.3	2657.8	2648.8
50°	1788.1	1803.9	1875.2	2023.3	2124.0	2403.4	2824.1	2948.5	2965.5	2975.6	2983.6
52.5°	1664.8	1684.0	1750.8	1876.3	2004.1	2370.6	2922.5	3162.2	3182.6	3226.7	3279.9
55°	1616.2	1632.0	1673.9	1775.7	1872.9	2236.0	2972.2	3343.2	3376.0	3452.9	3544.5
57.5°	1609.4	1625.2	1662.6	1696.5	1803.9	2078.8	2993.7	3547.9	3649.7	3774.1	3922.3
60°	1668.2	1675.0	1692.0	1693.1	1742.9	1958.9	2928.1	3800.1	4003.7	4185.8	4418.8
62.5°	1707.8	1713.5	1739.5	1787.0	1773.4	1839.0	2706.5	3964.1	4267.2	4536.4	4838.4
64°	1650.1	1650.1	1680.7	1739.5	1862.7	1788.1	2481.4	3958.5	4291.0	4579.4	4923.2
65°	1584.5	1583.4	1611.7	1659.2	1848.0	1780.2	2318.5	3863.5	4207.3	4496.8	4868.9
67.5°	1287.1	1243.0	1269.0	1328.9	1558.5	1798.3	1913.6	3250.5	3603.3	3952.8	4381.5
70°	666.2	689.9	703.5	803.0	1077.8	1547.2	1606.0	2297.0	2698.5	3046.9	3638.4
72.5°	281.6	263.5	296.3	366.4	566.6	1095.9	1477.1	1595.8	1805.1	2082.2	2709.9
75°	152.7	153.8	160.6	182.1	295.2	605.1	1361.7	1405.8	1425.0	1470.3	1805.1
77.5°	113.1	113.1	116.5	116.5	153.8	314.4	1085.8	1328.9	1332.3	1302.9	1379.8
80°	84.8	89.3	95.0	90.5	96.1	178.7	635.6	1206.8	1257.7	1267.8	1331.2
82.5°	70.1	72.4	84.8	81.4	75.8	107.4	298.6	913.8	1056.3	1140.0	1296.1
85°	47.5	50.9	76.9	74.6	69.0	72.4	173.0	296.3	357.4	412.8	525.9
87.5°	19.2	24.9	49.8	45.2	47.5	40.7	106.3	156.1	171.9	195.7	243.2
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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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
2.5°	123.3	121.0	119.9	117.6	116.5	115.4	116.5	114.2	113.1	114.2	112.0
5°	176.4	176.4	175.3	173.0	171.9	169.6	168.5	159.5	149.3	143.6	134.6
7.5°	147.0	147.0	149.3	154.9	160.6	166.3	169.6	170.8	169.6	170.8	170.8
10°	213.8	217.2	217.2	219.4	219.4	220.5	221.7	223.9	226.2	239.8	249.9
12.5°	229.6	230.7	230.7	231.9	236.4	240.9	240.9	244.3	242.0	240.9	238.6
15°	375.5	369.8	343.8	340.4	339.3	335.9	326.9	323.5	323.5	325.7	324.6
17.5°	401.5	404.9	400.4	394.7	389.1	376.6	355.1	357.4	355.1	357.4	361.9
20°	502.2	492.0	498.8	523.6	540.6	546.3	551.9	555.3	544.0	527.0	524.8
22.5°	566.6	561.0	574.5	579.1	580.2	591.5	593.8	601.7	632.2	626.6	632.2
25°	676.3	735.1	736.3	739.7	745.3	752.1	747.6	757.8	755.5	764.5	764.5
27.5°	787.2	782.6	787.2	791.7	786.0	782.6	794.0	794.0	815.4	803.0	805.3
30°	893.5	896.9	907.1	916.1	922.9	919.5	920.6	936.5	925.1	934.2	947.8
32.5°	968.1	981.7	1006.6	1013.4	1077.8	1067.7	1095.9	1109.5	1120.8	1138.9	1155.9
35°	1181.9	1192.1	1205.6	1205.6	1198.8	1215.8	1228.3	1237.3	1248.6	1276.9	1267.8
37.5°	1330.0	1331.2	1335.7	1306.3	1325.5	1333.4	1333.4	1352.7	1373.0	1374.2	1353.8
40°	1526.8	1499.7	1488.4	1462.4	1486.1	1453.3	1478.2	1473.7	1488.4	1470.3	1481.6
42.5°	1824.3	1783.6	1720.2	1711.2	1690.8	1672.7	1651.2	1669.3	1637.7	1651.2	1686.3
45°	2202.0	2093.5	2065.2	2035.8	1952.1	1938.5	1928.3	1886.5	1845.8	1889.9	1949.8
47.5°	2596.8	2476.9	2438.4	2383.0	2327.6	2256.3	2214.5	2127.4	2107.0	2162.5	2202.0
50°	2929.3	2837.7	2844.4	2766.4	2697.4	2651.0	2535.7	2448.6	2444.1	2463.3	2444.1
52.5°	3221.1	3201.8	3205.2	3156.6	3110.2	3052.5	2913.4	2861.4	2826.3	2796.9	2718.9
55°	3511.7	3575.1	3569.4	3606.7	3596.5	3554.7	3456.3	3467.6	3454.0	3357.9	3279.9
57.5°	3992.4	4089.7	4150.7	4205.0	4320.4	4307.9	4288.7	4461.8	4455.0	4363.4	4399.6
60°	4621.2	4726.4	4881.4	5020.5	5149.4	5184.5	5294.2	5531.7	5511.3	5521.5	5641.4
62.5°	5096.2	5228.6	5393.7	5556.6	5554.3	5645.9	5866.4	5986.3	5963.7	6126.6	6221.6
64°	5153.9	5294.2	5414.1	5536.2	5519.2	5612.0	5822.3	5880.0	5881.1	6079.1	6143.5
65°	5069.1	5218.4	5305.5	5412.9	5392.6	5494.4	5703.6	5701.3	5734.1	5935.4	5992.0
67.5°	4548.8	4751.3	4822.5	4862.1	4884.7	5037.4	5151.7	5104.2	5245.5	5328.1	5464.9
70°	3836.3	4062.5	4186.9	4203.9	4283.1	4436.9	4520.6	4431.2	4605.4	4550.0	4788.6
72.5°	3025.4	3236.9	3423.5	3443.9	3578.5	3657.6	3649.7	3650.8	3678.0	3590.9	3789.9
75°	2101.4	2263.1	2405.6	2423.7	2495.0	2424.8	2372.8	2269.9	2151.1	2050.5	2038.0
77.5°	1430.7	1483.9	1470.3	1417.1	1359.5	1267.8	1195.5	1175.1	1099.3	1067.7	1002.1
80°	1325.5	1343.6	1317.6	1314.2	1271.2	1169.4	1117.4	1031.5	1020.2	982.8	936.5
82.5°	1325.5	1334.6	1339.1	1365.1	1307.4	1229.4	1140.0	1012.2	968.1	868.6	808.7
85°	628.8	667.3	731.8	788.3	786.0	764.5	666.2	614.1	521.4	446.7	378.9
87.5°	280.5	312.2	348.3	361.9	374.4	361.9	328.0	296.3	243.2	190.0	157.2
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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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
2.5°	112.0	112.0	112.0	112.0	110.8	110.8	110.8	110.8	110.8	109.7	109.7
5°	125.5	123.3	118.8	118.8	116.5	115.4	115.4	114.2	114.2	113.1	113.1
7.5°	169.6	168.5	165.1	151.6	131.2	123.3	116.5	116.5	115.4	116.5	118.8
10°	254.5	254.5	252.2	248.8	247.7	243.2	220.5	201.3	188.9	186.6	184.4
12.5°	242.0	247.7	262.4	270.3	270.3	269.2	266.9	260.1	228.5	209.2	204.7
15°	325.7	328.0	329.1	333.6	347.2	349.5	347.2	349.5	347.2	325.7	296.3
17.5°	366.4	358.5	358.5	361.9	375.5	368.7	382.3	423.0	430.9	397.0	400.4
20°	520.3	520.3	522.5	514.6	520.3	530.4	531.6	536.1	545.1	542.9	529.3
22.5°	617.5	609.6	628.8	637.9	641.3	640.1	639.0	636.7	641.3	648.1	642.4
25°	751.0	757.8	758.9	754.4	744.2	739.7	747.6	755.5	779.3	794.0	783.8
27.5°	830.1	850.5	902.5	891.2	884.4	892.4	898.0	917.2	909.3	903.7	919.5
30°	967.0	963.6	952.3	962.5	976.0	993.0	988.5	974.9	968.1	984.0	979.4
32.5°	1150.2	1136.6	1158.1	1188.7	1210.2	1192.1	1179.6	1195.5	1195.5	1178.5	1197.7
35°	1252.0	1276.9	1309.7	1330.0	1315.3	1315.3	1327.8	1319.9	1325.5	1344.7	1356.1
37.5°	1375.3	1416.0	1436.4	1416.0	1420.5	1447.7	1448.8	1460.1	1471.4	1492.9	1524.6
40°	1532.5	1552.8	1538.1	1537.0	1570.9	1580.0	1600.4	1639.9	1656.9	1687.4	1701.0
42.5°	1727.0	1732.7	1734.9	1775.7	1781.3	1791.5	1843.5	1879.7	1923.8	1936.3	1919.3
45°	1967.9	1964.5	2015.4	2043.7	2050.5	2121.7	2142.1	2169.2	2198.6	2172.6	2215.6
47.5°	2187.3	2242.8	2308.4	2310.6	2368.3	2414.7	2432.8	2457.6	2433.9	2461.0	2429.4
50°	2446.3	2545.9	2535.7	2618.2	2663.5	2672.5	2709.9	2673.7	2678.2	2652.2	2643.1
52.5°	2769.8	2811.6	2807.1	2922.5	2930.4	2962.1	2934.9	2913.4	2910.0	2876.1	2851.2
55°	3331.9	3276.5	3335.3	3378.3	3400.9	3413.3	3327.4	3364.7	3278.7	3277.6	3218.8
57.5°	4367.9	4357.7	4395.0	4347.5	4408.6	4312.5	4306.8	4231.0	4177.9	4176.7	4142.8
60°	5615.4	5773.7	5809.9	5764.7	5648.2	5602.9	5529.4	5464.9	5371.1	5379.0	5308.9
62.5°	6318.8	6537.1	6594.8	6624.2	6473.8	6405.9	6237.4	6130.0	5985.2	5938.8	5825.7
64°	6331.3	6549.6	6655.9	6701.1	6625.3	6519.0	6359.6	6197.8	6050.8	5929.8	5826.9
65°	6237.4	6425.2	6569.9	6615.2	6609.5	6469.3	6336.9	6145.8	6010.1	5842.7	5737.5
67.5°	5731.9	5898.1	6087.0	6161.6	6238.5	6189.9	6076.8	5891.3	5728.5	5527.1	5380.1
70°	4949.2	5094.0	5262.5	5371.1	5454.8	5495.5	5398.2	5255.7	5132.4	4896.1	4723.0
72.5°	3865.7	3889.5	3923.4	3927.9	3895.1	3879.3	3792.2	3802.4	3576.2	3432.6	3333.0
75°	1920.4	1841.3	1649.0	1577.7	1414.9	1318.7	1207.9	1163.8	1048.4	1015.6	927.4
77.5°	879.9	770.2	635.6	529.3	442.2	382.3	325.7	286.1	253.3	240.9	222.8
80°	861.8	774.7	670.7	592.6	501.0	418.5	340.4	266.9	214.9	183.2	162.9
82.5°	734.0	632.2	562.1	515.7	458.1	400.4	328.0	264.7	203.6	157.2	127.8
85°	300.8	245.4	208.1	188.9	168.5	148.2	127.8	109.7	98.4	83.7	75.8
87.5°	128.9	113.1	104.1	102.9	98.4	95.0	91.6	87.1	76.9	71.3	64.5
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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CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
2.5°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
5°	113.1	113.1	112.0	112.0	112.0	112.0	113.1	112.0	112.0	112.0	112.0
7.5°	119.9	119.9	119.9	119.9	119.9	119.9	119.9	121.0	119.9	119.9	121.0
10°	183.2	182.1	177.6	176.4	174.2	174.2	174.2	175.3	179.8	182.1	184.4
12.5°	200.2	202.4	204.7	200.2	202.4	196.8	200.2	202.4	201.3	202.4	200.2
15°	298.6	298.6	297.5	296.3	292.9	289.5	288.4	288.4	286.1	283.9	286.1
17.5°	395.8	395.8	390.2	385.7	385.7	361.9	378.9	373.2	376.6	360.8	403.8
20°	496.5	494.2	497.6	505.6	508.9	503.3	495.4	486.3	484.1	498.8	516.9
22.5°	641.3	636.7	624.3	608.5	606.2	605.1	619.8	619.8	620.9	627.7	639.0
25°	767.9	743.1	732.9	744.2	747.6	731.8	731.8	737.4	767.9	779.3	780.4
27.5°	922.9	915.0	908.2	894.6	889.0	911.6	924.0	910.4	905.9	922.9	922.9
30°	986.2	1004.3	1003.2	1016.8	1026.9	998.7	984.0	1020.2	1016.8	990.7	1005.5
32.5°	1218.1	1227.1	1239.6	1256.5	1244.1	1262.2	1243.0	1228.3	1252.0	1247.5	1230.5
35°	1354.9	1379.8	1379.8	1380.9	1414.9	1408.1	1400.2	1395.6	1377.5	1390.0	1397.9
37.5°	1522.3	1506.5	1520.1	1537.0	1543.8	1551.7	1554.0	1559.6	1535.9	1520.1	1497.4
40°	1686.3	1705.5	1688.6	1693.1	1706.7	1704.4	1713.5	1725.9	1692.0	1668.2	1636.5
42.5°	1932.9	1926.1	1921.6	1914.8	1898.9	1914.8	1898.9	1862.7	1870.7	1835.6	1790.4
45°	2191.9	2178.3	2179.4	2157.9	2142.1	2099.1	2086.7	2076.5	2033.5	2007.5	1936.3
47.5°	2431.6	2421.5	2385.3	2393.2	2344.5	2293.6	2262.0	2246.1	2187.3	2117.2	2074.2
50°	2637.5	2610.3	2611.5	2559.4	2524.4	2484.8	2435.0	2373.9	2309.5	2243.9	2151.1
52.5°	2824.1	2821.8	2789.0	2752.8	2700.8	2679.3	2594.5	2507.4	2429.4	2351.3	2247.3
55°	3257.3	3217.7	3148.7	3130.6	3105.7	2975.6	2912.3	2806.0	2685.0	2590.0	2450.9
57.5°	4153.0	4101.0	4019.5	4011.6	3858.9	3754.9	3609.0	3484.6	3319.5	3157.7	2953.0
60°	5221.8	5144.9	5150.5	5032.9	4902.8	4778.4	4596.3	4419.9	4191.4	3914.4	3571.7
62.5°	5723.9	5649.3	5584.8	5451.4	5313.4	5176.5	5026.1	4789.7	4569.2	4245.7	3820.5
64°	5707.0	5615.4	5517.0	5382.4	5258.0	5098.5	4945.8	4730.9	4482.1	4182.4	3733.4
65°	5624.4	5522.6	5396.0	5267.0	5117.7	4969.6	4819.1	4624.6	4349.8	4059.1	3606.7
67.5°	5235.4	5104.2	4968.4	4844.0	4686.8	4539.8	4405.2	4229.9	3944.9	3632.7	3226.7
70°	4595.2	4433.5	4284.2	4203.9	4089.7	3958.5	3795.6	3648.6	3385.1	3075.2	2706.5
72.5°	3155.5	2968.8	2864.8	2898.7	2784.5	2743.8	2705.3	2590.0	2359.2	2136.4	1900.1
75°	987.4	912.7	862.9	924.0	882.2	950.0	928.5	908.2	847.1	821.1	738.5
77.5°	223.9	213.8	209.2	207.0	208.1	207.0	203.6	202.4	199.1	201.3	195.7
80°	154.9	148.2	145.9	142.5	140.2	136.8	133.5	132.3	131.2	128.9	127.8
82.5°	112.0	102.9	101.8	99.5	98.4	96.1	95.0	97.3	96.1	99.5	99.5
85°	72.4	67.9	65.6	66.7	65.6	67.9	69.0	71.3	74.6	78.0	83.7
87.5°	59.9	56.5	56.5	57.7	59.9	62.2	67.9	74.6	80.3	89.3	99.5
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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CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7
2.5°	109.7	109.7	109.7	109.7	109.7	109.7	109.7	109.7	112.0	113.1	118.8
5°	112.0	113.1	112.0	113.1	113.1	113.1	114.2	114.2	143.6	174.2	122.1
7.5°	119.9	121.0	119.9	118.8	117.6	116.5	122.1	127.8	160.6	114.2	112.0
10°	185.5	186.6	187.7	199.1	216.0	239.8	244.3	244.3	177.6	154.9	174.2
12.5°	200.2	208.1	242.0	254.5	254.5	254.5	252.2	238.6	187.7	245.4	244.3
15°	306.5	331.4	332.5	333.6	332.5	311.0	290.7	285.0	292.9	263.5	251.1
17.5°	392.5	347.2	378.9	316.7	298.6	303.1	307.6	314.4	357.4	333.6	308.8
20°	525.9	527.0	495.4	484.1	476.1	475.0	477.3	481.8	454.7	374.4	345.0
22.5°	627.7	610.7	616.4	624.3	617.5	601.7	594.9	587.0	538.4	494.2	364.2
25°	754.4	751.0	743.1	741.9	758.9	769.1	761.2	749.8	672.9	496.5	389.1
27.5°	920.6	927.4	925.1	901.4	890.1	905.9	890.1	856.2	754.4	616.4	401.5
30°	1006.6	1022.4	1030.3	1029.2	1002.1	1002.1	994.1	1016.8	830.1	600.6	411.7
32.5°	1239.6	1240.7	1237.3	1238.4	1233.9	1195.5	1155.9	1134.4	818.8	614.1	392.5
35°	1367.4	1357.2	1359.5	1336.8	1309.7	1281.4	1239.6	1187.5	876.5	563.2	346.1
37.5°	1505.3	1468.0	1428.4	1409.2	1369.6	1335.7	1304.0	1241.8	848.2	521.4	296.3
40°	1601.5	1590.2	1515.5	1466.9	1439.8	1386.6	1332.3	1292.7	795.1	433.2	251.1
42.5°	1715.7	1667.1	1632.0	1537.0	1475.9	1434.1	1357.2	1284.8	711.4	350.6	218.3
45°	1858.2	1764.3	1688.6	1627.5	1499.7	1420.5	1348.1	1261.1	605.1	286.1	197.9
47.5°	1972.4	1870.7	1740.6	1633.1	1528.0	1371.9	1289.3	1188.7	504.4	246.6	184.4
50°	2069.7	1926.1	1779.0	1612.8	1477.1	1315.3	1183.0	1102.7	416.2	214.9	168.5
52.5°	2128.5	1969.1	1788.1	1589.0	1397.9	1248.6	1102.7	988.5	349.5	192.3	152.7
55°	2254.1	2077.6	1844.6	1606.0	1376.4	1194.3	1060.9	920.6	309.9	171.9	140.2
57.5°	2677.1	2377.3	2087.8	1771.1	1491.8	1257.7	1097.1	945.5	288.4	157.2	130.1
60°	3214.3	2807.1	2394.3	1987.1	1642.2	1360.6	1141.2	982.8	265.8	148.2	124.4
62.5°	3388.4	2916.8	2442.9	2026.7	1632.0	1330.0	1102.7	928.5	233.0	141.4	123.3
64°	3270.8	2794.7	2335.5	1912.5	1538.1	1239.6	1020.2	841.5	210.4	139.1	127.8
65°	3136.2	2666.9	2234.8	1822.0	1456.7	1160.4	944.4	778.1	195.7	138.0	132.3
67.5°	2747.2	2314.0	1898.9	1512.1	1194.3	938.7	731.8	584.7	164.0	141.4	148.2
70°	2307.2	1868.4	1522.3	1178.5	907.1	689.9	518.0	400.4	142.5	150.4	160.6
72.5°	1636.5	1272.4	1048.4	791.7	598.3	436.6	330.2	252.2	125.5	145.9	149.3
75°	648.1	542.9	434.3	338.2	276.0	226.2	190.0	154.9	113.1	130.1	117.6
77.5°	182.1	170.8	158.3	142.5	133.5	125.5	117.6	112.0	101.8	109.7	88.2
80°	122.1	117.6	114.2	110.8	108.6	105.2	102.9	101.8	93.9	91.6	65.6
82.5°	98.4	98.4	99.5	99.5	100.7	101.8	101.8	101.8	91.6	81.4	54.3
85°	89.3	95.0	101.8	109.7	115.4	117.6	118.8	116.5	87.1	70.1	43.0
87.5°	110.8	123.3	135.7	147.0	149.3	153.8	147.0	143.6	70.1	56.5	27.1
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: P157054

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	109.7	109.7	109.7	109.7	109.7
2.5°	132.3	168.5	176.4	176.4	173.0
5°	113.1	112.0	108.6	108.6	108.6
7.5°	113.1	152.7	171.9	175.3	173.0
10°	173.0	178.7	177.6	174.2	173.0
12.5°	179.8	195.7	230.7	227.3	228.5
15°	294.1	222.8	219.4	212.6	212.6
17.5°	280.5	239.8	251.1	246.6	246.6
20°	309.9	279.4	236.4	235.2	229.6
22.5°	321.2	294.1	256.7	246.6	246.6
25°	330.2	271.4	237.5	252.2	252.2
27.5°	304.2	273.7	230.7	220.5	219.4
30°	311.0	247.7	229.6	217.2	216.0
32.5°	283.9	228.5	207.0	214.9	214.9
35°	253.3	216.0	202.4	204.7	204.7
37.5°	228.5	202.4	203.6	207.0	207.0
40°	205.8	195.7	205.8	210.4	209.2
42.5°	191.1	187.7	192.3	196.8	195.7
45°	177.6	175.3	179.8	182.1	181.0
47.5°	166.3	166.3	167.4	168.5	168.5
50°	154.9	157.2	157.2	157.2	156.1
52.5°	144.8	144.8	147.0	145.9	145.9
55°	134.6	135.7	139.1	136.8	135.7
57.5°	125.5	130.1	130.1	127.8	126.7
60°	121.0	125.5	123.3	118.8	117.6
62.5°	123.3	122.1	117.6	112.0	110.8
64°	126.7	122.1	115.4	108.6	108.6
65°	130.1	122.1	114.2	106.3	106.3
67.5°	143.6	128.9	121.0	105.2	102.9
70°	151.6	139.1	130.1	105.2	100.7
72.5°	138.0	131.2	130.1	102.9	97.3
75°	106.3	110.8	116.5	96.1	91.6
77.5°	81.4	93.9	108.6	83.7	76.9
80°	65.6	89.3	113.1	70.1	58.8
82.5°	56.5	107.4	116.5	57.7	48.6
85°	46.4	121.0	114.2	49.8	35.1
87.5°	33.9	57.7	76.9	45.2	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)