

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: P157039

Luminaire Tested: **UTLD-E02-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157039
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-SL2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4833 lumens
Efficiency: N/A
Efficacy: 92.8 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 - G1

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

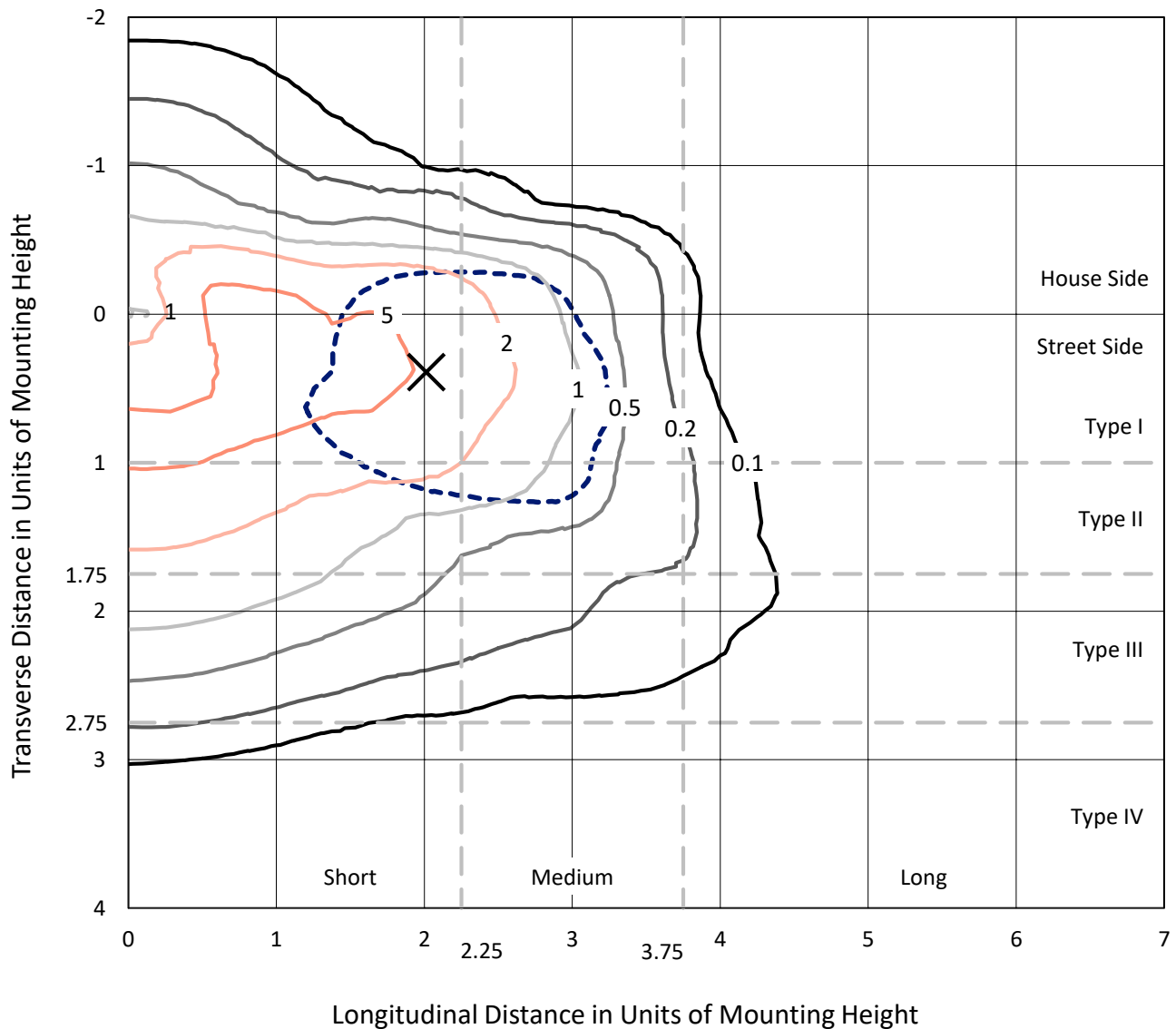


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

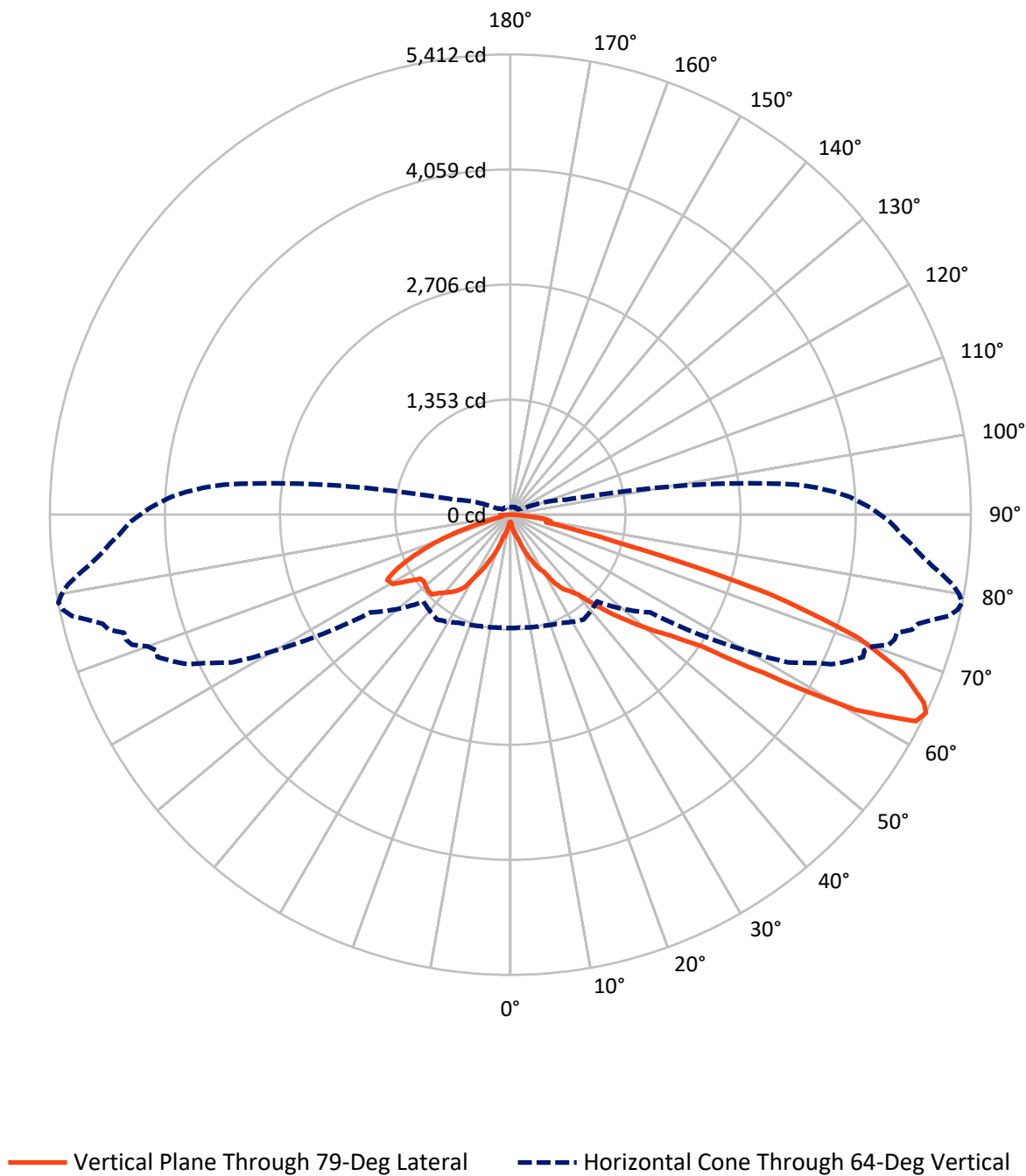


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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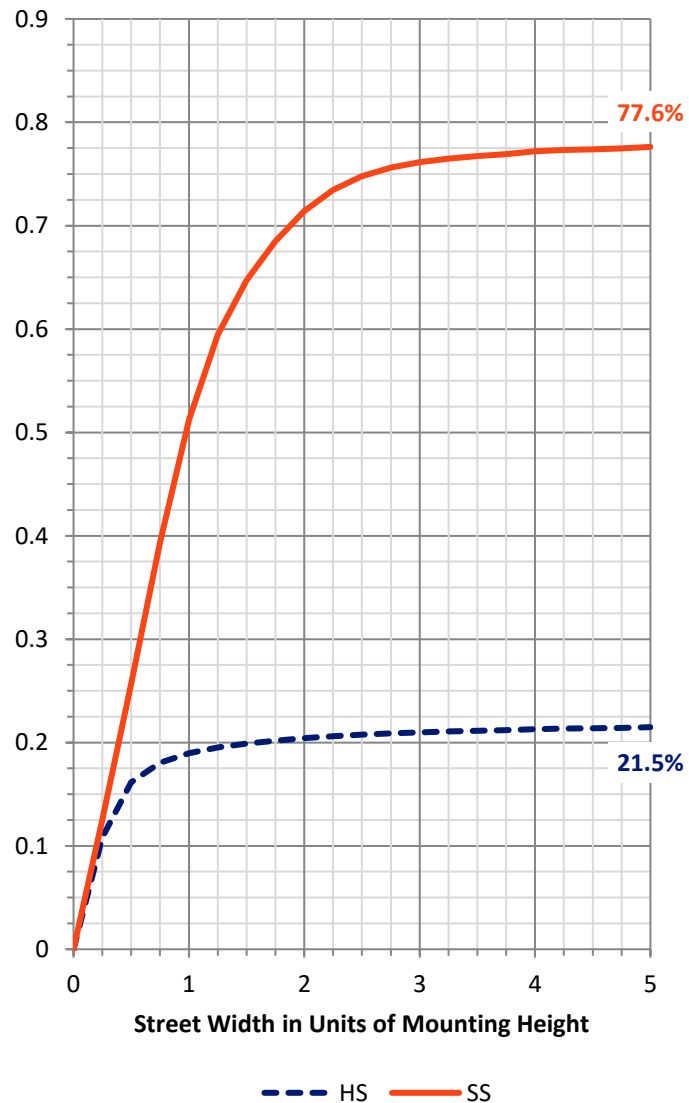
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1061.7	0.0	1061.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3771.3	0.0	3771.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	4833.0	0.0	4833.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.3
10°-20°	70.6	1.5
20°-30°	206.7	4.3
30°-40°	451.6	9.3
40°-50°	821.4	17.0
50°-60°	1147.1	23.7
60°-70°	1442.3	29.8
70°-80°	559.2	11.6
80°-90°	122.0	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°	4833.0	100.0
0°-180°	4833.0	100.0

Coefficient of Utilization



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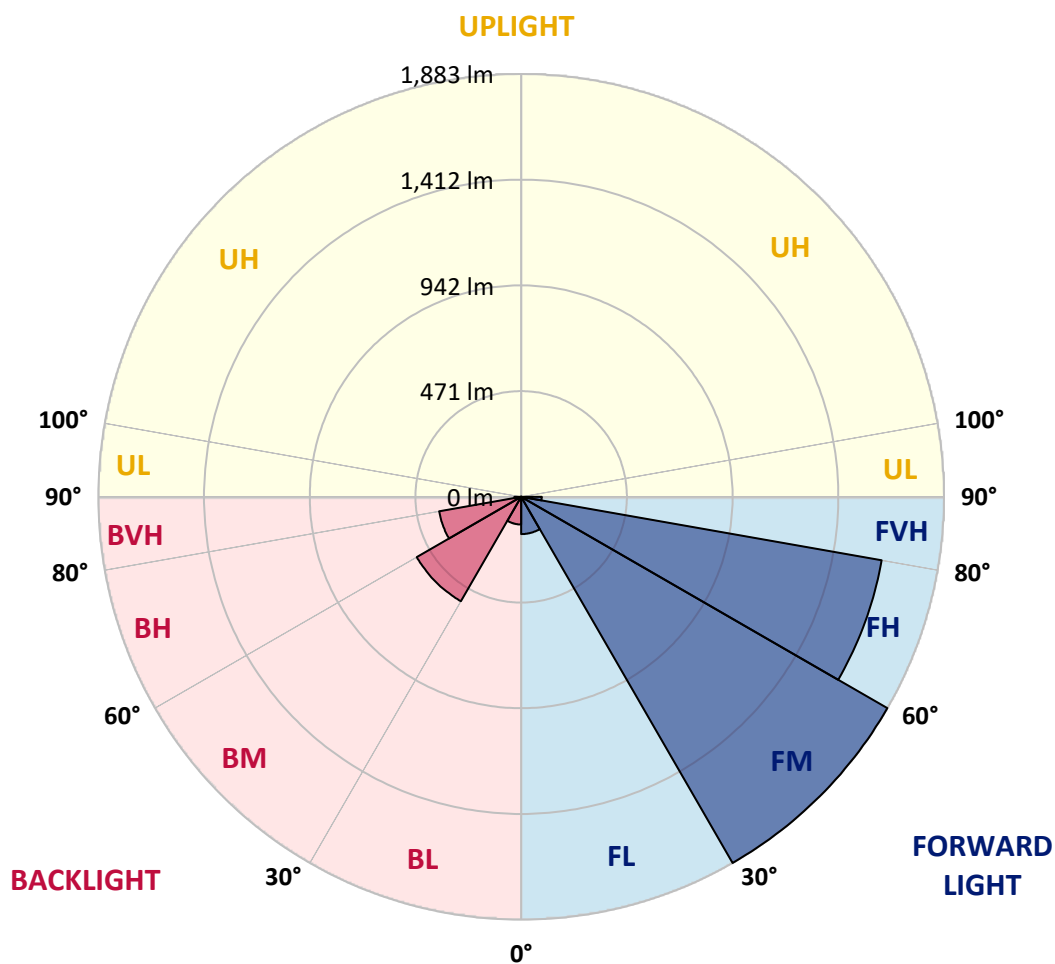
CATALOG NUMBER: UTLD-E02-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.1	3.4			
FM	(30°-60°)	1883.3	39.0			
FH	(60°-80°)	1630.3	33.7			G1/1800
FVH	(80°-90°)	91.6	1.9			G1/100
BL	(0°-30°)	123.3	2.6	B1/500		
BM	(30°-60°)	536.8	11.1	B1/1000		
BH	(60°-80°)	371.2	7.7	B1/500		G1/500
BVH	(80°-90°)	30.4	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2.5°	141.6	140.7	142.5	142.5	142.5	140.7	126.0	107.8	106.9	104.1	101.4
5°	116.9	116.9	116.9	117.8	118.7	120.6	127.9	137.0	141.6	142.5	143.4
7.5°	170.8	172.6	172.6	172.6	143.4	123.3	122.4	124.2	122.4	120.6	117.8
10°	175.4	176.3	176.3	178.1	179.0	176.3	150.7	170.8	170.8	171.7	172.6
12.5°	240.2	242.0	241.1	232.9	190.0	232.9	243.9	228.3	212.8	196.4	186.3
15°	254.8	258.5	251.2	243.9	290.4	273.1	257.6	296.8	296.8	299.6	307.8
17.5°	328.8	329.7	324.2	315.1	301.4	308.7	315.1	314.2	319.7	324.2	321.5
20°	394.6	386.3	339.8	364.4	359.9	357.1	358.0	390.0	392.7	394.6	402.8
22.5°	416.5	416.5	397.3	417.4	398.2	402.8	439.3	482.2	480.4	473.1	462.2
25°	507.8	509.6	465.8	432.0	441.1	452.1	474.0	539.8	531.6	540.7	545.3
27.5°	548.9	552.6	513.3	504.2	459.4	508.7	586.4	604.6	611.0	622.0	622.0
30°	659.4	661.3	635.7	563.5	548.0	554.4	633.9	660.4	669.5	681.4	726.1
32.5°	826.6	827.5	766.3	646.7	616.5	640.3	734.3	764.5	781.8	765.4	784.6
35°	1093.3	1085.1	970.9	874.1	799.2	739.8	833.0	938.9	928.0	930.7	939.8
37.5°	1270.5	1281.4	1245.8	1135.3	1083.2	1001.0	1056.7	1070.4	1049.4	1065.9	1071.4
40°	1411.1	1426.7	1412.0	1357.2	1307.0	1270.5	1338.1	1290.6	1260.4	1263.2	1242.2
42.5°	1464.1	1481.5	1496.1	1528.0	1515.2	1554.5	1648.6	1580.1	1574.6	1548.1	1497.0
45°	1500.6	1517.1	1564.6	1628.5	1648.6	1751.8	1914.4	1887.0	1907.1	1849.5	1818.5
47.5°	1507.9	1523.5	1577.4	1677.8	1733.5	1883.3	2134.5	2161.9	2177.4	2146.4	2139.1
50°	1444.0	1456.8	1514.3	1634.0	1715.3	1940.9	2280.6	2381.1	2394.8	2403.0	2409.4
52.5°	1344.5	1360.0	1413.9	1515.2	1618.5	1914.4	2360.1	2553.7	2570.2	2605.8	2648.7
55°	1305.2	1318.0	1351.8	1434.0	1512.5	1805.7	2400.3	2699.9	2726.4	2788.5	2862.4
57.5°	1299.7	1312.5	1342.6	1370.0	1456.8	1678.7	2417.6	2865.2	2947.4	3047.9	3167.5
60°	1347.2	1352.7	1366.4	1367.3	1407.5	1581.9	2364.7	3068.9	3233.3	3380.3	3568.5
62.5°	1379.2	1383.7	1404.7	1443.1	1432.1	1485.1	2185.6	3201.3	3446.1	3663.4	3907.3
64°	1332.6	1332.6	1357.2	1404.7	1504.3	1444.0	2003.9	3196.7	3465.3	3698.2	3975.8
65°	1279.6	1278.7	1301.5	1339.9	1492.4	1437.6	1872.4	3120.0	3397.7	3631.5	3932.0
67.5°	1039.4	1003.8	1024.8	1073.2	1258.6	1452.2	1545.4	2625.0	2909.9	3192.2	3538.3
70°	538.0	557.1	568.1	648.5	870.4	1249.5	1297.0	1855.0	2179.3	2460.6	2938.2
72.5°	227.4	212.8	239.3	295.9	457.6	885.0	1192.8	1288.7	1457.7	1681.5	2188.4
75°	123.3	124.2	129.7	147.0	238.4	488.6	1099.7	1135.3	1150.8	1187.4	1457.7
77.5°	91.3	91.3	94.1	94.1	124.2	253.9	876.8	1073.2	1075.9	1052.2	1114.3
80°	68.5	72.2	76.7	73.1	77.6	144.3	513.3	974.5	1015.6	1023.9	1075.0
82.5°	56.6	58.5	68.5	65.8	61.2	86.8	241.1	738.0	853.1	920.7	1046.7
85°	38.4	41.1	62.1	60.3	55.7	58.5	139.7	239.3	288.6	333.4	424.7
87.5°	15.5	20.1	40.2	36.5	38.4	32.9	85.9	126.0	138.8	158.0	196.4
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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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2.5°	99.6	97.7	96.8	95.0	94.1	93.2	94.1	92.2	91.3	92.2	90.4
5°	142.5	142.5	141.6	139.7	138.8	137.0	136.1	128.8	120.6	116.0	108.7
7.5°	118.7	118.7	120.6	125.1	129.7	134.3	137.0	137.9	137.0	137.9	137.9
10°	172.6	175.4	175.4	177.2	177.2	178.1	179.0	180.8	182.7	193.6	201.9
12.5°	185.4	186.3	186.3	187.2	190.9	194.5	194.5	197.3	195.5	194.5	192.7
15°	303.2	298.7	277.7	274.9	274.0	271.3	264.0	261.2	261.2	263.0	262.1
17.5°	324.2	327.0	323.3	318.8	314.2	304.1	286.8	288.6	286.8	288.6	292.3
20°	405.5	397.3	402.8	422.9	436.6	441.1	445.7	448.5	439.3	425.6	423.8
22.5°	457.6	453.0	464.0	467.6	468.5	477.7	479.5	485.9	510.6	506.0	510.6
25°	546.2	593.7	594.6	597.3	601.9	607.4	603.7	611.9	610.1	617.4	617.4
27.5°	635.7	632.0	635.7	639.3	634.8	632.0	641.2	641.2	658.5	648.5	650.3
30°	721.5	724.3	732.5	739.8	745.3	742.6	743.5	756.3	747.1	754.4	765.4
32.5°	781.8	792.8	812.9	818.4	870.4	862.2	885.0	896.0	905.1	919.7	933.4
35°	954.5	962.7	973.6	973.6	968.2	981.9	991.9	999.2	1008.3	1031.2	1023.9
37.5°	1074.1	1075.0	1078.7	1054.9	1070.4	1076.8	1076.8	1092.4	1108.8	1109.7	1093.3
40°	1233.0	1211.1	1202.0	1181.0	1200.1	1173.7	1193.7	1190.1	1202.0	1187.4	1196.5
42.5°	1473.2	1440.4	1389.2	1381.9	1365.5	1350.8	1333.5	1348.1	1322.5	1333.5	1361.8
45°	1778.3	1690.6	1667.8	1644.0	1576.4	1565.5	1557.3	1523.5	1490.6	1526.2	1574.6
47.5°	2097.1	2000.2	1969.2	1924.4	1879.7	1822.1	1788.3	1718.0	1701.6	1746.3	1778.3
50°	2365.6	2291.6	2297.1	2234.1	2178.3	2140.9	2047.7	1977.4	1973.8	1989.3	1973.8
52.5°	2601.2	2585.7	2588.4	2549.2	2511.7	2465.1	2352.8	2310.8	2282.5	2258.7	2195.7
55°	2836.0	2887.1	2882.5	2912.7	2904.5	2870.7	2791.2	2800.3	2789.4	2711.7	2648.7
57.5°	3224.1	3302.7	3352.0	3395.8	3489.0	3479.0	3463.4	3603.2	3597.7	3523.7	3552.9
60°	3731.9	3816.9	3942.0	4054.4	4158.5	4186.8	4275.4	4467.2	4450.8	4459.0	4555.8
62.5°	4115.6	4222.4	4355.8	4487.3	4485.5	4559.4	4737.5	4834.4	4816.1	4947.6	5024.3
64°	4162.1	4275.4	4372.2	4470.8	4457.1	4532.0	4701.9	4748.5	4749.4	4909.3	4961.3
65°	4093.6	4214.2	4284.5	4371.3	4354.9	4437.1	4606.0	4604.2	4630.7	4793.3	4838.9
67.5°	3673.5	3837.0	3894.5	3926.5	3944.8	4068.1	4160.3	4122.0	4236.1	4302.8	4413.3
70°	3098.1	3280.8	3381.2	3394.9	3458.9	3583.1	3650.7	3578.5	3719.2	3674.4	3867.1
72.5°	2443.2	2614.0	2764.7	2781.2	2889.8	2953.8	2947.4	2948.3	2970.2	2899.9	3060.6
75°	1697.0	1827.6	1942.7	1957.3	2014.9	1958.2	1916.2	1833.1	1737.2	1655.9	1645.9
77.5°	1155.4	1198.3	1187.4	1144.4	1097.8	1023.9	965.4	949.0	887.8	862.2	809.2
80°	1070.4	1085.1	1064.1	1061.3	1026.6	944.4	902.4	833.0	823.8	793.7	756.3
82.5°	1070.4	1077.8	1081.4	1102.4	1055.8	992.8	920.7	817.4	781.8	701.5	653.0
85°	507.8	538.9	590.9	636.6	634.8	617.4	538.0	495.9	421.1	360.8	306.0
87.5°	226.5	252.1	281.3	292.3	302.3	292.3	264.9	239.3	196.4	153.4	127.0
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°	83°	84°	85°	86°
0°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2.5°	90.4	90.4	90.4	90.4	89.5	89.5	89.5	89.5	89.5	88.6	88.6
5°	101.4	99.6	95.9	95.9	94.1	93.2	93.2	92.2	92.2	91.3	91.3
7.5°	137.0	136.1	133.3	122.4	105.9	99.6	94.1	94.1	93.2	94.1	95.9
10°	205.5	205.5	203.7	200.9	200.0	196.4	178.1	162.6	152.5	150.7	148.9
12.5°	195.5	200.0	211.9	218.3	218.3	217.4	215.6	210.1	184.5	169.0	165.3
15°	263.0	264.9	265.8	269.4	280.4	282.2	280.4	282.2	280.4	263.0	239.3
17.5°	295.9	289.5	289.5	292.3	303.2	297.8	308.7	341.6	348.0	320.6	323.3
20°	420.1	420.1	422.0	415.6	420.1	428.4	429.3	432.9	440.2	438.4	427.4
22.5°	498.7	492.3	507.8	515.1	517.9	517.0	516.0	514.2	517.9	523.3	518.8
25°	606.5	611.9	612.9	609.2	601.0	597.3	603.7	610.1	629.3	641.2	633.0
27.5°	670.4	686.8	728.9	719.7	714.2	720.6	725.2	740.7	734.3	729.8	742.6
30°	780.9	778.2	769.0	777.3	788.2	801.9	798.3	787.3	781.8	794.6	791.0
32.5°	928.9	917.9	935.3	959.9	977.3	962.7	952.6	965.4	965.4	951.7	967.2
35°	1011.1	1031.2	1057.7	1074.1	1062.2	1062.2	1072.3	1065.9	1070.4	1086.0	1095.1
37.5°	1110.6	1143.5	1160.0	1143.5	1147.2	1169.1	1170.0	1179.1	1188.3	1205.6	1231.2
40°	1237.6	1254.0	1242.2	1241.2	1268.6	1276.0	1292.4	1324.4	1338.1	1362.7	1373.7
42.5°	1394.7	1399.3	1401.1	1434.0	1438.5	1446.7	1488.8	1518.0	1553.6	1563.7	1550.0
45°	1589.2	1586.5	1627.6	1650.4	1655.9	1713.4	1729.9	1751.8	1775.6	1754.5	1789.3
47.5°	1766.4	1811.2	1864.1	1866.0	1912.6	1950.0	1964.6	1984.7	1965.5	1987.5	1961.9
50°	1975.6	2056.0	2047.7	2114.4	2150.9	2158.2	2188.4	2159.2	2162.8	2141.8	2134.5
52.5°	2236.8	2270.6	2266.9	2360.1	2366.5	2392.1	2370.1	2352.8	2350.1	2322.6	2302.6
55°	2690.7	2646.0	2693.5	2728.2	2746.4	2756.5	2687.1	2717.2	2647.8	2646.9	2599.4
57.5°	3527.4	3519.1	3549.3	3510.9	3560.2	3482.6	3478.0	3416.8	3373.9	3373.0	3345.6
60°	4534.8	4662.7	4691.9	4655.3	4561.3	4524.7	4465.4	4413.3	4337.5	4343.9	4287.3
62.5°	5102.9	5279.2	5325.7	5349.5	5228.0	5173.2	5037.1	4950.4	4833.4	4796.0	4704.7
64°	5112.9	5289.2	5375.1	5411.6	5350.4	5264.6	5135.8	5005.2	4886.4	4788.7	4705.6
65°	5037.1	5188.7	5305.7	5342.2	5337.6	5224.4	5117.5	4963.1	4853.5	4718.4	4633.4
67.5°	4628.9	4763.1	4915.7	4975.9	5038.0	4998.8	4907.4	4757.6	4626.1	4463.5	4344.8
70°	3996.8	4113.7	4249.8	4337.5	4405.1	4438.0	4359.4	4244.3	4144.8	3953.9	3814.2
72.5°	3121.8	3141.0	3168.4	3172.1	3145.6	3132.8	3062.5	3070.7	2888.0	2772.0	2691.6
75°	1550.9	1486.9	1331.7	1274.1	1142.6	1065.0	975.5	939.8	846.7	820.2	748.9
77.5°	710.6	622.0	513.3	427.4	357.1	308.7	263.0	231.1	204.6	194.5	179.9
80°	696.0	625.6	541.6	478.6	404.6	337.9	274.9	215.6	173.5	148.0	131.5
82.5°	592.8	510.6	453.9	416.5	369.9	323.3	264.9	213.7	164.4	127.0	103.2
85°	243.0	198.2	168.1	152.5	136.1	119.6	103.2	88.6	79.5	67.6	61.2
87.5°	104.1	91.3	84.0	83.1	79.5	76.7	74.0	70.3	62.1	57.5	52.1
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°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2.5°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
5°	91.3	91.3	90.4	90.4	90.4	90.4	91.3	90.4	90.4	90.4	90.4
7.5°	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.7	96.8	96.8	97.7
10°	148.0	147.0	143.4	142.5	140.7	140.7	140.7	141.6	145.2	147.0	148.9
12.5°	161.7	163.5	165.3	161.7	163.5	158.9	161.7	163.5	162.6	163.5	161.7
15°	241.1	241.1	240.2	239.3	236.6	233.8	232.9	232.9	231.1	229.3	231.1
17.5°	319.7	319.7	315.1	311.5	311.5	292.3	306.0	301.4	304.1	291.4	326.1
20°	401.0	399.1	401.9	408.3	411.0	406.4	400.0	392.7	390.9	402.8	417.4
22.5°	517.9	514.2	504.2	491.4	489.6	488.6	500.5	500.5	501.4	506.9	516.0
25°	620.2	600.1	591.9	601.0	603.7	590.9	590.9	595.5	620.2	629.3	630.2
27.5°	745.3	738.9	733.4	722.5	717.9	736.2	746.2	735.2	731.6	745.3	745.3
30°	796.4	811.1	810.1	821.1	829.3	806.5	794.6	823.8	821.1	800.1	812.0
32.5°	983.7	991.0	1001.0	1014.7	1004.7	1019.3	1003.8	991.9	1011.1	1007.4	993.7
35°	1094.2	1114.3	1114.3	1115.2	1142.6	1137.1	1130.7	1127.1	1112.5	1122.5	1128.9
37.5°	1229.4	1216.6	1227.5	1241.2	1246.7	1253.1	1254.9	1259.5	1240.3	1227.5	1209.3
40°	1361.8	1377.3	1363.6	1367.3	1378.2	1376.4	1383.7	1393.8	1366.4	1347.2	1321.6
42.5°	1560.9	1555.4	1551.8	1546.3	1533.5	1546.3	1533.5	1504.3	1510.7	1482.4	1445.8
45°	1770.1	1759.1	1760.0	1742.7	1729.9	1695.2	1685.1	1676.9	1642.2	1621.2	1563.7
47.5°	1963.7	1955.5	1926.3	1932.6	1893.4	1852.3	1826.7	1813.9	1766.4	1709.8	1675.1
50°	2129.9	2108.0	2108.9	2066.9	2038.6	2006.6	1966.4	1917.1	1865.1	1812.1	1737.2
52.5°	2280.6	2278.8	2252.3	2223.1	2181.1	2163.7	2095.2	2024.9	1961.9	1898.9	1814.8
55°	2630.4	2598.5	2542.8	2528.2	2508.1	2403.0	2351.9	2266.0	2168.3	2091.6	1979.2
57.5°	3353.8	3311.8	3246.0	3239.7	3116.4	3032.3	2914.5	2814.0	2680.7	2550.1	2384.8
60°	4216.9	4154.8	4159.4	4064.4	3959.4	3858.9	3711.9	3569.4	3384.9	3161.1	2884.4
62.5°	4622.5	4562.2	4510.1	4402.3	4290.9	4180.4	4058.9	3868.0	3689.9	3428.7	3085.3
64°	4608.8	4534.8	4455.3	4346.6	4246.2	4117.4	3994.1	3820.5	3619.6	3377.6	3015.0
65°	4542.1	4459.9	4357.6	4253.5	4132.9	4013.3	3891.8	3734.7	3512.7	3278.0	2912.7
67.5°	4227.9	4122.0	4012.3	3911.9	3784.9	3666.2	3557.5	3415.9	3185.8	2933.7	2605.8
70°	3710.9	3580.3	3459.8	3394.9	3302.7	3196.7	3065.2	2946.5	2733.7	2483.4	2185.6
72.5°	2548.2	2397.5	2313.5	2340.9	2248.7	2215.8	2184.7	2091.6	1905.2	1725.3	1534.4
75°	797.4	737.1	696.9	746.2	712.4	767.2	749.9	733.4	684.1	663.1	596.4
77.5°	180.8	172.6	169.0	167.1	168.1	167.1	164.4	163.5	160.7	162.6	158.0
80°	125.1	119.6	117.8	115.1	113.3	110.5	107.8	106.9	105.9	104.1	103.2
82.5°	90.4	83.1	82.2	80.4	79.5	77.6	76.7	78.5	77.6	80.4	80.4
85°	58.5	54.8	53.0	53.9	53.0	54.8	55.7	57.5	60.3	63.0	67.6
87.5°	48.4	45.7	45.7	46.6	48.4	50.2	54.8	60.3	64.8	72.2	80.4
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-E02-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2.5°	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	90.4	91.3	95.9
5°	90.4	91.3	90.4	91.3	91.3	91.3	92.2	92.2	116.0	140.7	98.6
7.5°	96.8	97.7	96.8	95.9	95.0	94.1	98.6	103.2	129.7	92.2	90.4
10°	149.8	150.7	151.6	160.7	174.4	193.6	197.3	197.3	143.4	125.1	140.7
12.5°	161.7	168.1	195.5	205.5	205.5	205.5	203.7	192.7	151.6	198.2	197.3
15°	247.5	267.6	268.5	269.4	268.5	251.2	234.7	230.2	236.6	212.8	202.8
17.5°	316.9	280.4	306.0	255.7	241.1	244.8	248.4	253.9	288.6	269.4	249.3
20°	424.7	425.6	400.0	390.9	384.5	383.6	385.4	389.1	367.2	302.3	278.6
22.5°	506.9	493.2	497.8	504.2	498.7	485.9	480.4	474.0	434.8	399.1	294.1
25°	609.2	606.5	600.1	599.2	612.9	621.1	614.7	605.6	543.4	401.0	314.2
27.5°	743.5	748.9	747.1	727.9	718.8	731.6	718.8	691.4	609.2	497.8	324.2
30°	812.9	825.7	832.1	831.1	809.2	809.2	802.8	821.1	670.4	485.0	332.5
32.5°	1001.0	1001.9	999.2	1000.1	996.5	965.4	933.4	916.1	661.3	495.9	316.9
35°	1104.2	1096.0	1097.8	1079.6	1057.7	1034.8	1001.0	959.0	707.8	454.8	279.5
37.5°	1215.7	1185.5	1153.6	1138.0	1106.1	1078.7	1053.1	1002.9	685.0	421.1	239.3
40°	1293.3	1284.2	1223.9	1184.6	1162.7	1119.8	1075.9	1044.0	642.1	349.8	202.8
42.5°	1385.6	1346.3	1318.0	1241.2	1191.9	1158.1	1096.0	1037.6	574.5	283.1	176.3
45°	1500.6	1424.8	1363.6	1314.3	1211.1	1147.2	1088.7	1018.4	488.6	231.1	159.8
47.5°	1592.9	1510.7	1405.6	1318.9	1233.9	1107.9	1041.2	959.9	407.4	199.1	148.9
50°	1671.4	1555.4	1436.7	1302.4	1192.8	1062.2	955.4	890.5	336.1	173.5	136.1
52.5°	1718.9	1590.1	1444.0	1283.3	1128.9	1008.3	890.5	798.3	282.2	155.3	123.3
55°	1820.3	1677.8	1489.7	1297.0	1111.5	964.5	856.7	743.5	250.3	138.8	113.3
57.5°	2161.9	1919.9	1686.0	1430.3	1204.7	1015.6	885.9	763.6	232.9	127.0	105.0
60°	2595.7	2266.9	1933.6	1604.8	1326.2	1098.8	921.6	793.7	214.6	119.6	100.5
62.5°	2736.4	2355.5	1972.8	1636.7	1318.0	1074.1	890.5	749.9	188.2	114.2	99.6
64°	2641.4	2256.9	1886.1	1544.5	1242.2	1001.0	823.8	679.5	169.9	112.3	103.2
65°	2532.7	2153.7	1804.8	1471.4	1176.4	937.1	762.6	628.4	158.0	111.4	106.9
67.5°	2218.5	1868.7	1533.5	1221.1	964.5	758.1	590.9	472.2	132.4	114.2	119.6
70°	1863.2	1508.9	1229.4	951.7	732.5	557.1	418.3	323.3	115.1	121.5	129.7
72.5°	1321.6	1027.5	846.7	639.3	483.2	352.6	266.7	203.7	101.4	117.8	120.6
75°	523.3	438.4	350.7	273.1	222.9	182.7	153.4	125.1	91.3	105.0	95.0
77.5°	147.0	137.9	127.9	115.1	107.8	101.4	95.0	90.4	82.2	88.6	71.2
80°	98.6	95.0	92.2	89.5	87.7	84.9	83.1	82.2	75.8	74.0	53.0
82.5°	79.5	79.5	80.4	80.4	81.3	82.2	82.2	82.2	74.0	65.8	43.8
85°	72.2	76.7	82.2	88.6	93.2	95.0	95.9	94.1	70.3	56.6	34.7
87.5°	89.5	99.6	109.6	118.7	120.6	124.2	118.7	116.0	56.6	45.7	21.9
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-SL2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	88.6	88.6	88.6	88.6	88.6
2.5°	106.9	136.1	142.5	142.5	139.7
5°	91.3	90.4	87.7	87.7	87.7
7.5°	91.3	123.3	138.8	141.6	139.7
10°	139.7	144.3	143.4	140.7	139.7
12.5°	145.2	158.0	186.3	183.6	184.5
15°	237.5	179.9	177.2	171.7	171.7
17.5°	226.5	193.6	202.8	199.1	199.1
20°	250.3	225.6	190.9	190.0	185.4
22.5°	259.4	237.5	207.3	199.1	199.1
25°	266.7	219.2	191.8	203.7	203.7
27.5°	245.7	221.0	186.3	178.1	177.2
30°	251.2	200.0	185.4	175.4	174.4
32.5°	229.3	184.5	167.1	173.5	173.5
35°	204.6	174.4	163.5	165.3	165.3
37.5°	184.5	163.5	164.4	167.1	167.1
40°	166.2	158.0	166.2	169.9	169.0
42.5°	154.4	151.6	155.3	158.9	158.0
45°	143.4	141.6	145.2	147.0	146.1
47.5°	134.3	134.3	135.2	136.1	136.1
50°	125.1	127.0	127.0	127.0	126.0
52.5°	116.9	116.9	118.7	117.8	117.8
55°	108.7	109.6	112.3	110.5	109.6
57.5°	101.4	105.0	105.0	103.2	102.3
60°	97.7	101.4	99.6	95.9	95.0
62.5°	99.6	98.6	95.0	90.4	89.5
64°	102.3	98.6	93.2	87.7	87.7
65°	105.0	98.6	92.2	85.9	85.9
67.5°	116.0	104.1	97.7	84.9	83.1
70°	122.4	112.3	105.0	84.9	81.3
72.5°	111.4	105.9	105.0	83.1	78.5
75°	85.9	89.5	94.1	77.6	74.0
77.5°	65.8	75.8	87.7	67.6	62.1
80°	53.0	72.2	91.3	56.6	47.5
82.5°	45.7	86.8	94.1	46.6	39.3
85°	37.4	97.7	92.2	40.2	28.3
87.5°	27.4	46.6	62.1	36.5	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)