

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: P157044

Luminaire Tested: **UTLD-F02-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157044
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-F02-LED-E-U-SL2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3989.8 lumens
Efficiency: N/A
Efficacy: 72.5 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): 55
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

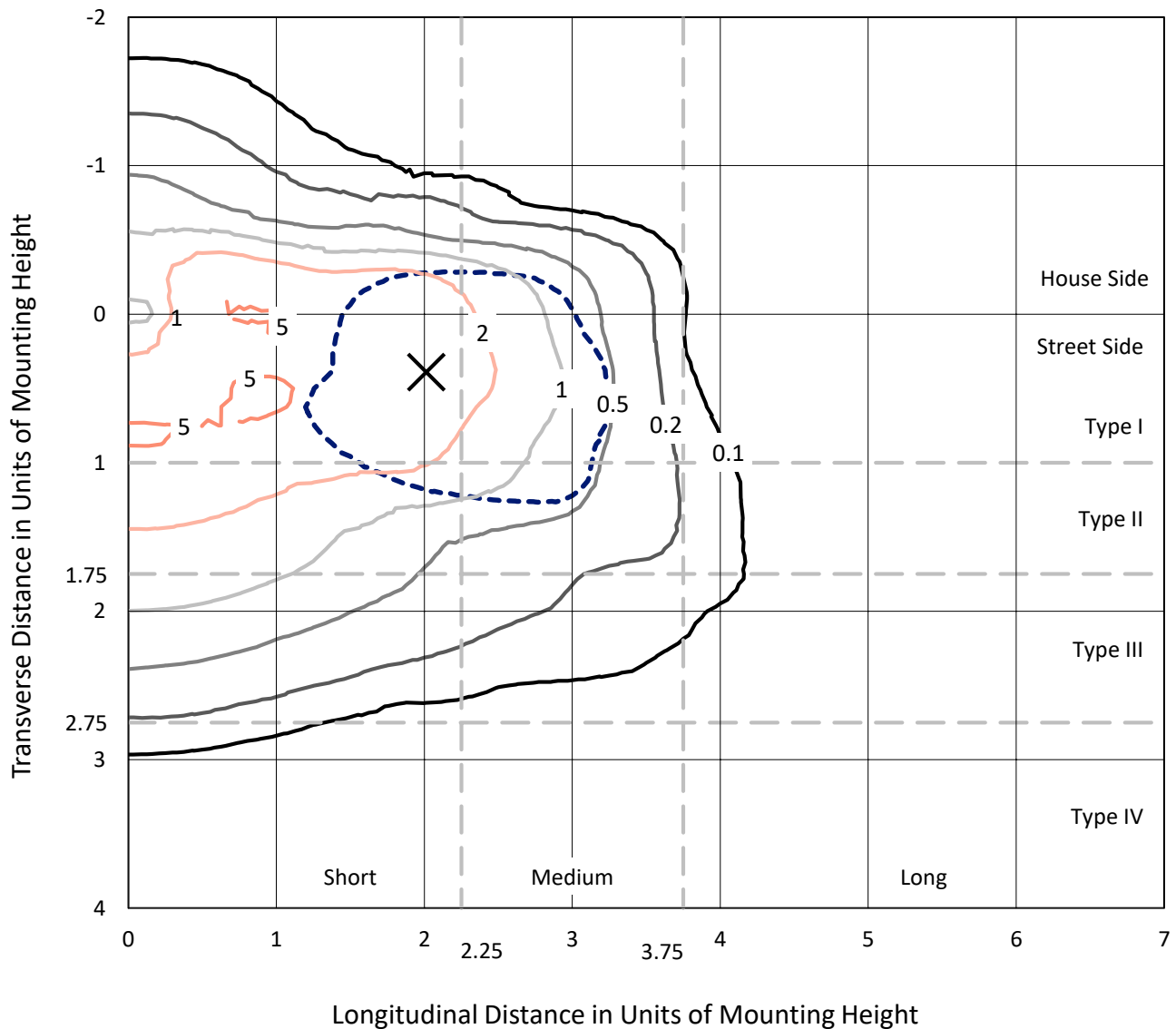


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

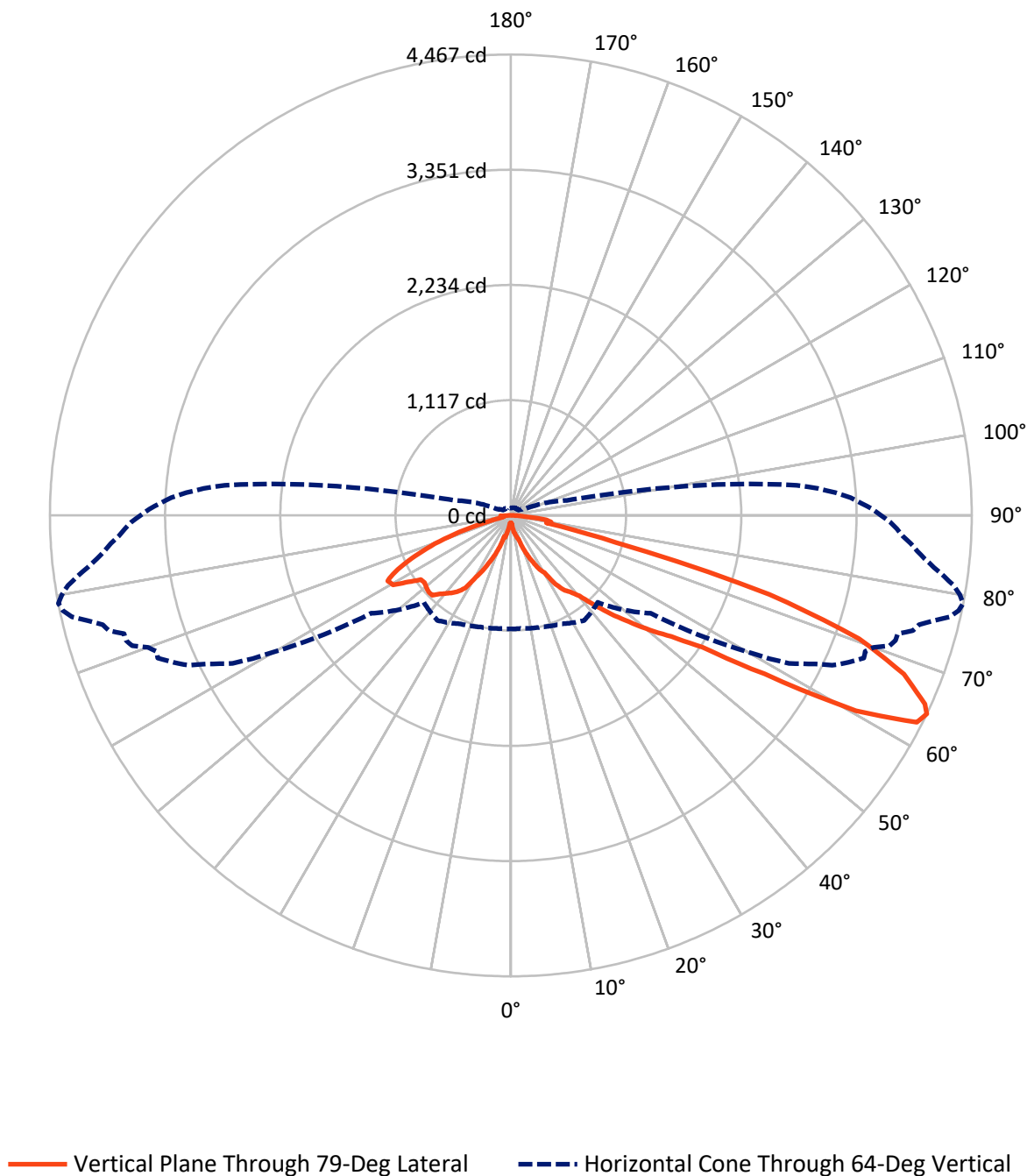


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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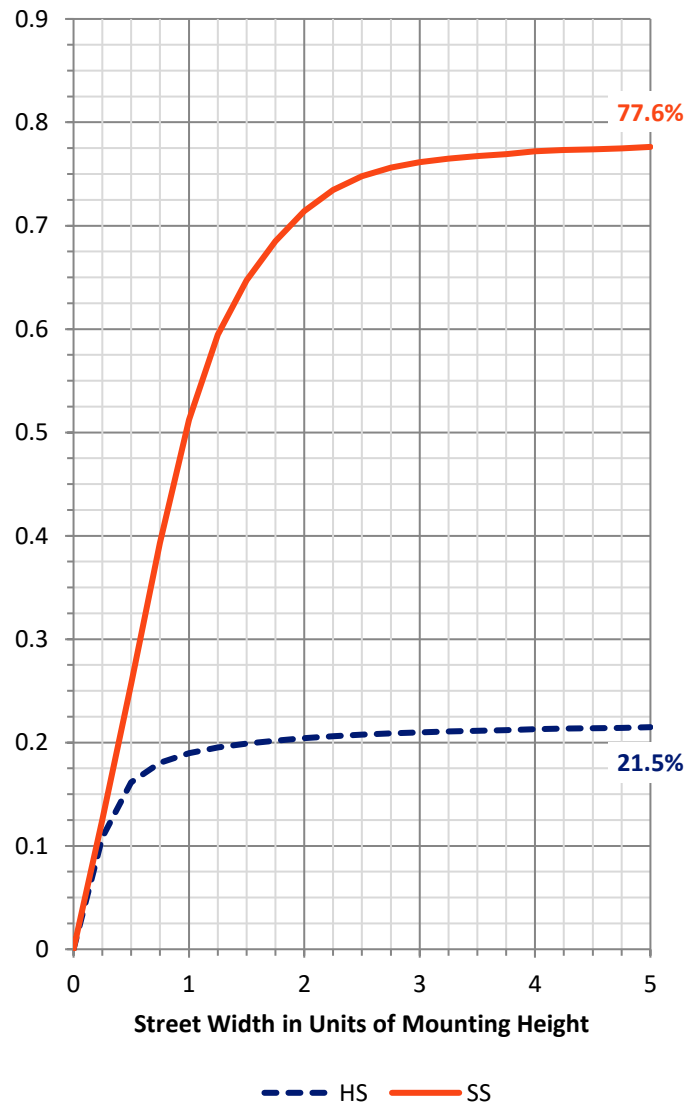
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.5	0.0	876.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3113.3	0.0	3113.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	3989.8	0.0	3989.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.3
10°-20°	58.3	1.5
20°-30°	170.6	4.3
30°-40°	372.8	9.3
40°-50°	678.1	17.0
50°-60°	946.9	23.7
60°-70°	1190.7	29.8
70°-80°	461.6	11.6
80°-90°	100.8	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°	3989.8	100.0
0°-180°	3989.8	100.0

Coefficient of Utilization



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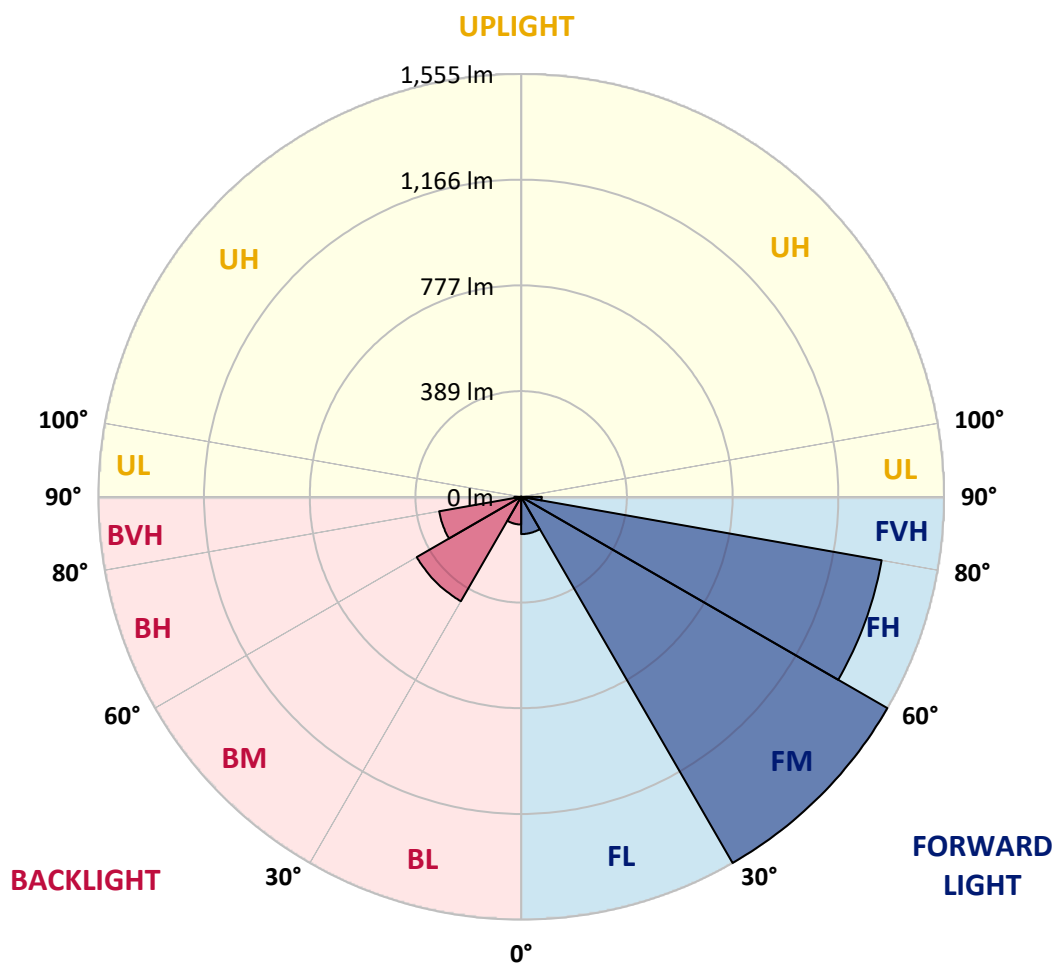
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.1	3.4			
FM	(30°-60°)	1554.7	39.0			
FH	(60°-80°)	1345.9	33.7			G1/1800
FVH	(80°-90°)	75.6	1.9			G1/100
BL	(0°-30°)	101.8	2.6	B0/110		
BM	(30°-60°)	443.1	11.1	B1/1000		
BH	(60°-80°)	306.4	7.7	B1/500		G1/500
BVH	(80°-90°)	25.1	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°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	116.9	116.1	117.6	117.6	117.6	116.1	104.1	89.0	88.2	86.0	83.7
5°	96.5	96.5	96.5	97.3	98.0	99.5	105.6	113.1	116.9	117.6	118.4
7.5°	141.0	142.5	142.5	142.5	118.4	101.8	101.0	102.5	101.0	99.5	97.3
10°	144.8	145.5	145.5	147.0	147.8	145.5	124.4	141.0	141.0	141.8	142.5
12.5°	198.3	199.8	199.1	192.3	156.8	192.3	201.3	188.5	175.7	162.1	153.8
15°	210.4	213.4	207.3	201.3	239.8	225.4	212.6	245.0	245.0	247.3	254.1
17.5°	271.4	272.2	267.7	260.1	248.8	254.8	260.1	259.4	263.9	267.7	265.4
20°	325.7	318.9	280.5	300.8	297.1	294.8	295.6	322.0	324.2	325.7	332.5
22.5°	343.8	343.8	328.0	344.6	328.7	332.5	362.7	398.1	396.6	390.6	381.5
25°	419.2	420.7	384.5	356.6	364.2	373.2	391.3	445.6	438.8	446.4	450.1
27.5°	453.2	456.2	423.7	416.2	379.3	420.0	484.1	499.1	504.4	513.5	513.5
30°	544.4	545.9	524.8	465.2	452.4	457.7	523.3	545.1	552.7	562.5	599.4
32.5°	682.4	683.1	632.6	533.8	508.9	528.5	606.2	631.1	645.4	631.8	647.7
35°	902.5	895.7	801.5	721.6	659.7	610.7	687.6	775.1	766.1	768.3	775.9
37.5°	1048.8	1057.9	1028.4	937.2	894.2	826.4	872.4	883.7	866.3	879.9	884.4
40°	1164.9	1177.7	1165.7	1120.4	1079.0	1048.8	1104.6	1065.4	1040.5	1042.8	1025.4
42.5°	1208.7	1223.0	1235.0	1261.4	1250.9	1283.3	1361.0	1304.4	1299.9	1278.0	1235.8
45°	1238.8	1252.4	1291.6	1344.4	1361.0	1446.2	1580.4	1557.8	1574.3	1526.8	1501.2
47.5°	1244.8	1257.7	1302.1	1385.1	1431.1	1554.7	1762.1	1784.7	1797.5	1771.9	1765.9
50°	1192.1	1202.6	1250.1	1348.9	1416.0	1602.2	1882.7	1965.7	1977.0	1983.8	1989.0
52.5°	1109.9	1122.7	1167.2	1250.9	1336.1	1580.4	1948.3	2108.2	2121.7	2151.1	2186.6
55°	1077.5	1088.0	1115.9	1183.8	1248.6	1490.6	1981.5	2228.8	2250.7	2301.9	2363.0
57.5°	1072.9	1083.5	1108.4	1131.0	1202.6	1385.8	1995.8	2365.3	2433.1	2516.1	2614.8
60°	1112.1	1116.7	1128.0	1128.7	1161.9	1305.9	1952.1	2533.4	2669.1	2790.5	2945.9
62.5°	1138.5	1142.3	1159.6	1191.3	1182.3	1226.0	1804.3	2642.7	2844.8	3024.3	3225.6
64°	1100.1	1100.1	1120.4	1159.6	1241.8	1192.1	1654.3	2639.0	2860.7	3052.9	3282.1
65°	1056.3	1055.6	1074.4	1106.1	1232.0	1186.8	1545.7	2575.6	2804.9	2997.9	3245.9
67.5°	858.0	828.6	846.0	885.9	1039.0	1198.8	1275.8	2167.0	2402.2	2635.2	2921.0
70°	444.1	459.9	469.0	535.3	718.6	1031.5	1070.7	1531.4	1799.0	2031.3	2425.6
72.5°	187.7	175.7	197.5	244.3	377.8	730.6	984.7	1063.9	1203.4	1388.1	1806.6
75°	101.8	102.5	107.1	121.4	196.8	403.4	907.8	937.2	950.0	980.2	1203.4
77.5°	75.4	75.4	77.7	77.7	102.5	209.6	723.8	885.9	888.2	868.6	919.9
80°	56.5	59.6	63.3	60.3	64.1	119.1	423.7	804.5	838.4	845.2	887.5
82.5°	46.7	48.3	56.5	54.3	50.5	71.6	199.1	609.2	704.2	760.0	864.1
85°	31.7	33.9	51.3	49.8	46.0	48.3	115.4	197.5	238.3	275.2	350.6
87.5°	12.8	16.6	33.2	30.2	31.7	27.1	70.9	104.1	114.6	130.4	162.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	82.2	80.7	79.9	78.4	77.7	76.9	77.7	76.2	75.4	76.2	74.6
5°	117.6	117.6	116.9	115.4	114.6	113.1	112.3	106.3	99.5	95.8	89.7
7.5°	98.0	98.0	99.5	103.3	107.1	110.8	113.1	113.9	113.1	113.9	113.9
10°	142.5	144.8	144.8	146.3	146.3	147.0	147.8	149.3	150.8	159.8	166.6
12.5°	153.1	153.8	153.8	154.6	157.6	160.6	160.6	162.9	161.4	160.6	159.1
15°	250.3	246.6	229.2	227.0	226.2	223.9	217.9	215.6	215.6	217.2	216.4
17.5°	267.7	269.9	266.9	263.1	259.4	251.1	236.8	238.3	236.8	238.3	241.3
20°	334.8	328.0	332.5	349.1	360.4	364.2	367.9	370.2	362.7	351.4	349.9
22.5°	377.8	374.0	383.0	386.0	386.8	394.3	395.8	401.1	421.5	417.7	421.5
25°	450.9	490.1	490.8	493.1	496.9	501.4	498.4	505.2	503.7	509.7	509.7
27.5°	524.8	521.8	524.8	527.8	524.0	521.8	529.3	529.3	543.6	535.3	536.8
30°	595.7	597.9	604.7	610.7	615.3	613.0	613.8	624.3	616.8	622.8	631.8
32.5°	645.4	654.5	671.1	675.6	718.6	711.8	730.6	739.7	747.2	759.3	770.6
35°	787.9	794.7	803.8	803.8	799.2	810.5	818.8	824.9	832.4	851.3	845.2
37.5°	886.7	887.5	890.5	870.9	883.7	889.0	889.0	901.8	915.3	916.1	902.5
40°	1017.9	999.8	992.3	974.9	990.7	968.9	985.5	982.5	992.3	980.2	987.7
42.5°	1216.2	1189.0	1146.8	1140.8	1127.2	1115.2	1100.8	1112.9	1091.8	1100.8	1124.2
45°	1468.0	1395.6	1376.8	1357.2	1301.4	1292.3	1285.6	1257.7	1230.5	1259.9	1299.9
47.5°	1731.2	1651.2	1625.6	1588.7	1551.7	1504.2	1476.3	1418.3	1404.7	1441.6	1468.0
50°	1952.8	1891.8	1896.3	1844.3	1798.3	1767.4	1690.5	1632.4	1629.4	1642.2	1629.4
52.5°	2147.4	2134.6	2136.8	2104.4	2073.5	2035.0	1942.3	1907.6	1884.2	1864.6	1812.6
55°	2341.1	2383.4	2379.6	2404.5	2397.7	2369.8	2304.2	2311.7	2302.7	2238.6	2186.6
57.5°	2661.6	2726.4	2767.2	2803.3	2880.3	2872.0	2859.1	2974.5	2970.0	2908.9	2933.0
60°	3080.8	3150.9	3254.2	3347.0	3432.9	3456.3	3529.4	3687.8	3674.2	3681.0	3760.9
62.5°	3397.5	3485.7	3595.8	3704.4	3702.9	3763.9	3911.0	3990.9	3975.8	4084.4	4147.7
64°	3435.9	3529.4	3609.4	3690.8	3679.5	3741.3	3881.6	3920.0	3920.8	4052.7	4095.7
65°	3379.4	3478.9	3537.0	3608.6	3595.0	3662.9	3802.4	3800.9	3822.7	3957.0	3994.7
67.5°	3032.6	3167.5	3215.0	3241.4	3256.5	3358.3	3434.4	3402.8	3497.0	3552.1	3643.3
70°	2557.5	2708.3	2791.3	2802.6	2855.4	2957.9	3013.7	2954.1	3070.3	3033.3	3192.4
72.5°	2016.9	2157.9	2282.3	2295.9	2385.6	2438.4	2433.1	2433.9	2452.0	2393.9	2526.6
75°	1400.9	1508.7	1603.7	1615.8	1663.3	1616.6	1581.9	1513.3	1434.1	1367.0	1358.7
77.5°	953.8	989.2	980.2	944.8	906.3	845.2	797.0	783.4	732.9	711.8	668.0
80°	883.7	895.7	878.4	876.1	847.5	779.6	744.9	687.6	680.1	655.2	624.3
82.5°	883.7	889.7	892.7	910.1	871.6	819.6	760.0	674.8	645.4	579.1	539.1
85°	419.2	444.9	487.8	525.5	524.0	509.7	444.1	409.4	347.6	297.8	252.6
87.5°	187.0	208.1	232.2	241.3	249.6	241.3	218.7	197.5	162.1	126.7	104.8
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°	83°	84°	85°	86°
0°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	74.6	74.6	74.6	74.6	73.9	73.9	73.9	73.9	73.9	73.1	73.1
5°	83.7	82.2	79.2	79.2	77.7	76.9	76.9	76.2	76.2	75.4	75.4
7.5°	113.1	112.3	110.1	101.0	87.5	82.2	77.7	77.7	76.9	77.7	79.2
10°	169.6	169.6	168.1	165.9	165.1	162.1	147.0	134.2	125.9	124.4	122.9
12.5°	161.4	165.1	174.9	180.2	180.2	179.5	177.9	173.4	152.3	139.5	136.5
15°	217.2	218.7	219.4	222.4	231.5	233.0	231.5	233.0	231.5	217.2	197.5
17.5°	244.3	239.0	239.0	241.3	250.3	245.8	254.8	282.0	287.3	264.7	266.9
20°	346.8	346.8	348.3	343.1	346.8	353.6	354.4	357.4	363.4	361.9	352.9
22.5°	411.7	406.4	419.2	425.3	427.5	426.8	426.0	424.5	427.5	432.0	428.3
25°	500.7	505.2	505.9	502.9	496.1	493.1	498.4	503.7	519.5	529.3	522.5
27.5°	553.4	567.0	601.7	594.1	589.6	594.9	598.7	611.5	606.2	602.4	613.0
30°	644.7	642.4	634.9	641.6	650.7	662.0	659.0	649.9	645.4	656.0	653.0
32.5°	766.8	757.8	772.1	792.4	806.8	794.7	786.4	797.0	797.0	785.7	798.5
35°	834.7	851.3	873.1	886.7	876.9	876.9	885.2	879.9	883.7	896.5	904.0
37.5°	916.9	944.0	957.6	944.0	947.0	965.1	965.9	973.4	980.9	995.3	1016.4
40°	1021.7	1035.2	1025.4	1024.7	1047.3	1053.3	1066.9	1093.3	1104.6	1125.0	1134.0
42.5°	1151.3	1155.1	1156.6	1183.8	1187.5	1194.3	1229.0	1253.1	1282.5	1290.8	1279.5
45°	1311.9	1309.7	1343.6	1362.5	1367.0	1414.5	1428.1	1446.2	1465.8	1448.4	1477.1
47.5°	1458.2	1495.2	1538.9	1540.4	1578.9	1609.8	1621.8	1638.4	1622.6	1640.7	1619.6
50°	1630.9	1697.2	1690.5	1745.5	1775.7	1781.7	1806.6	1782.4	1785.5	1768.1	1762.1
52.5°	1846.5	1874.4	1871.4	1948.3	1953.6	1974.7	1956.6	1942.3	1940.0	1917.4	1900.8
55°	2221.3	2184.3	2223.5	2252.2	2267.3	2275.6	2218.2	2243.1	2185.8	2185.1	2145.9
57.5°	2911.9	2905.1	2930.0	2898.4	2939.1	2875.0	2871.2	2820.7	2785.3	2784.5	2761.9
60°	3743.6	3849.1	3873.3	3843.1	3765.4	3735.3	3686.3	3643.3	3580.7	3586.0	3539.2
62.5°	4212.6	4358.1	4396.5	4416.1	4315.9	4270.6	4158.3	4086.6	3990.1	3959.2	3883.8
64°	4220.9	4366.4	4437.3	4467.4	4416.9	4346.0	4239.7	4131.9	4033.9	3953.2	3884.6
65°	4158.3	4283.4	4379.9	4410.1	4406.3	4312.8	4224.6	4097.2	4006.7	3895.1	3825.0
67.5°	3821.2	3932.1	4058.0	4107.8	4159.0	4126.6	4051.2	3927.6	3819.0	3684.8	3586.7
70°	3299.5	3396.0	3508.3	3580.7	3636.5	3663.7	3598.8	3503.8	3421.6	3264.0	3148.7
72.5°	2577.1	2593.0	2615.6	2618.6	2596.8	2586.2	2528.1	2534.9	2384.1	2288.4	2222.0
75°	1280.3	1227.5	1099.3	1051.8	943.2	879.2	805.3	775.9	699.0	677.1	618.3
77.5°	586.6	513.5	423.7	352.9	294.8	254.8	217.2	190.8	168.9	160.6	148.5
80°	574.5	516.5	447.1	395.1	334.0	279.0	227.0	177.9	143.3	122.1	108.6
82.5°	489.3	421.5	374.7	343.8	305.4	266.9	218.7	176.4	135.7	104.8	85.2
85°	200.6	163.6	138.7	125.9	112.3	98.8	85.2	73.1	65.6	55.8	50.5
87.5°	86.0	75.4	69.4	68.6	65.6	63.3	61.1	58.1	51.3	47.5	43.0
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-F02-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
5°	75.4	75.4	74.6	74.6	74.6	74.6	75.4	74.6	74.6	74.6	74.6
7.5°	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.7	79.9	79.9	80.7
10°	122.1	121.4	118.4	117.6	116.1	116.1	116.1	116.9	119.9	121.4	122.9
12.5°	133.5	135.0	136.5	133.5	135.0	131.2	133.5	135.0	134.2	135.0	133.5
15°	199.1	199.1	198.3	197.5	195.3	193.0	192.3	192.3	190.8	189.3	190.8
17.5°	263.9	263.9	260.1	257.1	257.1	241.3	252.6	248.8	251.1	240.5	269.2
20°	331.0	329.5	331.8	337.0	339.3	335.5	330.2	324.2	322.7	332.5	344.6
22.5°	427.5	424.5	416.2	405.6	404.1	403.4	413.2	413.2	413.9	418.5	426.0
25°	512.0	495.4	488.6	496.1	498.4	487.8	487.8	491.6	512.0	519.5	520.3
27.5°	615.3	610.0	605.5	596.4	592.6	607.7	616.0	607.0	603.9	615.3	615.3
30°	657.5	669.5	668.8	677.8	684.6	665.8	656.0	680.1	677.8	660.5	670.3
32.5°	812.1	818.1	826.4	837.7	829.4	841.5	828.6	818.8	834.7	831.7	820.3
35°	903.3	919.9	919.9	920.6	943.2	938.7	933.4	930.4	918.4	926.7	931.9
37.5°	1014.9	1004.3	1013.4	1024.7	1029.2	1034.5	1036.0	1039.8	1023.9	1013.4	998.3
40°	1124.2	1137.0	1125.7	1128.7	1137.8	1136.3	1142.3	1150.6	1128.0	1112.1	1091.0
42.5°	1288.6	1284.1	1281.0	1276.5	1266.0	1276.5	1266.0	1241.8	1247.1	1223.7	1193.6
45°	1461.2	1452.2	1452.9	1438.6	1428.1	1399.4	1391.1	1384.3	1355.7	1338.3	1290.8
47.5°	1621.1	1614.3	1590.2	1595.5	1563.0	1529.1	1508.0	1497.4	1458.2	1411.5	1382.8
50°	1758.3	1740.2	1741.0	1706.3	1682.9	1656.5	1623.3	1582.6	1539.7	1495.9	1434.1
52.5°	1882.7	1881.2	1859.3	1835.2	1800.5	1786.2	1729.7	1671.6	1619.6	1567.6	1498.2
55°	2171.5	2145.1	2099.1	2087.1	2070.5	1983.8	1941.5	1870.7	1790.0	1726.6	1633.9
57.5°	2768.7	2734.0	2679.7	2674.4	2572.6	2503.3	2406.0	2323.1	2213.0	2105.1	1968.7
60°	3481.2	3429.9	3433.7	3355.3	3268.6	3185.6	3064.2	2946.6	2794.3	2609.6	2381.1
62.5°	3816.0	3766.2	3723.2	3634.2	3542.3	3451.0	3350.7	3193.2	3046.1	2830.5	2547.0
64°	3804.7	3743.6	3678.0	3588.3	3505.3	3399.0	3297.2	3154.0	2988.1	2788.3	2488.9
65°	3749.6	3681.8	3597.3	3511.3	3411.8	3313.0	3212.8	3083.1	2899.9	2706.1	2404.5
67.5°	3490.2	3402.8	3312.3	3229.4	3124.5	3026.5	2936.8	2819.9	2629.9	2421.8	2151.1
70°	3063.5	2955.7	2856.1	2802.6	2726.4	2639.0	2530.4	2432.4	2256.7	2050.1	1804.3
72.5°	2103.6	1979.2	1909.9	1932.5	1856.3	1829.2	1803.6	1726.6	1572.8	1424.3	1266.7
75°	658.2	608.5	575.3	616.0	588.1	633.4	619.0	605.5	564.7	547.4	492.4
77.5°	149.3	142.5	139.5	138.0	138.7	138.0	135.7	135.0	132.7	134.2	130.4
80°	103.3	98.8	97.3	95.0	93.5	91.2	89.0	88.2	87.5	86.0	85.2
82.5°	74.6	68.6	67.9	66.4	65.6	64.1	63.3	64.8	64.1	66.4	66.4
85°	48.3	45.2	43.7	44.5	43.7	45.2	46.0	47.5	49.8	52.0	55.8
87.5°	40.0	37.7	37.7	38.5	40.0	41.5	45.2	49.8	53.5	59.6	66.4
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-F02-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	74.6	75.4	79.2
5°	74.6	75.4	74.6	75.4	75.4	75.4	76.2	76.2	95.8	116.1	81.4
7.5°	79.9	80.7	79.9	79.2	78.4	77.7	81.4	85.2	107.1	76.2	74.6
10°	123.7	124.4	125.2	132.7	144.0	159.8	162.9	162.9	118.4	103.3	116.1
12.5°	133.5	138.7	161.4	169.6	169.6	169.6	168.1	159.1	125.2	163.6	162.9
15°	204.3	220.9	221.7	222.4	221.7	207.3	193.8	190.0	195.3	175.7	167.4
17.5°	261.6	231.5	252.6	211.1	199.1	202.1	205.1	209.6	238.3	222.4	205.8
20°	350.6	351.4	330.2	322.7	317.4	316.7	318.2	321.2	303.1	249.6	230.0
22.5°	418.5	407.2	410.9	416.2	411.7	401.1	396.6	391.3	358.9	329.5	242.8
25°	502.9	500.7	495.4	494.6	505.9	512.7	507.4	499.9	448.6	331.0	259.4
27.5°	613.8	618.3	616.8	600.9	593.4	603.9	593.4	570.8	502.9	410.9	267.7
30°	671.1	681.6	686.9	686.1	668.0	668.0	662.8	677.8	553.4	400.4	274.5
32.5°	826.4	827.1	824.9	825.6	822.6	797.0	770.6	756.3	545.9	409.4	261.6
35°	911.6	904.8	906.3	891.2	873.1	854.3	826.4	791.7	584.3	375.5	230.7
37.5°	1003.6	978.7	952.3	939.5	913.1	890.5	869.4	827.9	565.5	347.6	197.5
40°	1067.7	1060.1	1010.4	977.9	959.8	924.4	888.2	861.8	530.1	288.8	167.4
42.5°	1143.8	1111.4	1088.0	1024.7	984.0	956.1	904.8	856.5	474.3	233.7	145.5
45°	1238.8	1176.2	1125.7	1085.0	999.8	947.0	898.8	840.7	403.4	190.8	131.9
47.5°	1315.0	1247.1	1160.4	1088.8	1018.6	914.6	859.6	792.4	336.3	164.4	122.9
50°	1379.8	1284.1	1186.0	1075.2	984.7	876.9	788.7	735.1	277.5	143.3	112.3
52.5°	1419.0	1312.7	1192.1	1059.4	931.9	832.4	735.1	659.0	233.0	128.2	101.8
55°	1502.7	1385.1	1229.8	1070.7	917.6	796.2	707.2	613.8	206.6	114.6	93.5
57.5°	1784.7	1584.9	1391.9	1180.8	994.5	838.4	731.4	630.3	192.3	104.8	86.7
60°	2142.8	1871.4	1596.2	1324.8	1094.8	907.1	760.8	655.2	177.2	98.8	82.9
62.5°	2259.0	1944.5	1628.6	1351.2	1088.0	886.7	735.1	619.0	155.3	94.2	82.2
64°	2180.5	1863.1	1557.0	1275.0	1025.4	826.4	680.1	561.0	140.2	92.7	85.2
65°	2090.8	1777.9	1489.9	1214.7	971.1	773.6	629.6	518.7	130.4	92.0	88.2
67.5°	1831.5	1542.7	1266.0	1008.1	796.2	625.8	487.8	389.8	109.3	94.2	98.8
70°	1538.1	1245.6	1014.9	785.7	604.7	459.9	345.3	266.9	95.0	100.3	107.1
72.5°	1091.0	848.2	699.0	527.8	398.9	291.0	220.2	168.1	83.7	97.3	99.5
75°	432.0	361.9	289.5	225.4	184.0	150.8	126.7	103.3	75.4	86.7	78.4
77.5°	121.4	113.9	105.6	95.0	89.0	83.7	78.4	74.6	67.9	73.1	58.8
80°	81.4	78.4	76.2	73.9	72.4	70.1	68.6	67.9	62.6	61.1	43.7
82.5°	65.6	65.6	66.4	66.4	67.1	67.9	67.9	67.9	61.1	54.3	36.2
85°	59.6	63.3	67.9	73.1	76.9	78.4	79.2	77.7	58.1	46.7	28.7
87.5°	73.9	82.2	90.5	98.0	99.5	102.5	98.0	95.8	46.7	37.7	18.1
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: P157044

CATALOG NUMBER: UTLD-F02-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	73.1	73.1	73.1	73.1	73.1
2.5°	88.2	112.3	117.6	117.6	115.4
5°	75.4	74.6	72.4	72.4	72.4
7.5°	75.4	101.8	114.6	116.9	115.4
10°	115.4	119.1	118.4	116.1	115.4
12.5°	119.9	130.4	153.8	151.6	152.3
15°	196.0	148.5	146.3	141.8	141.8
17.5°	187.0	159.8	167.4	164.4	164.4
20°	206.6	186.2	157.6	156.8	153.1
22.5°	214.1	196.0	171.2	164.4	164.4
25°	220.2	181.0	158.3	168.1	168.1
27.5°	202.8	182.5	153.8	147.0	146.3
30°	207.3	165.1	153.1	144.8	144.0
32.5°	189.3	152.3	138.0	143.3	143.3
35°	168.9	144.0	135.0	136.5	136.5
37.5°	152.3	135.0	135.7	138.0	138.0
40°	137.2	130.4	137.2	140.2	139.5
42.5°	127.4	125.2	128.2	131.2	130.4
45°	118.4	116.9	119.9	121.4	120.6
47.5°	110.8	110.8	111.6	112.3	112.3
50°	103.3	104.8	104.8	104.8	104.1
52.5°	96.5	96.5	98.0	97.3	97.3
55°	89.7	90.5	92.7	91.2	90.5
57.5°	83.7	86.7	86.7	85.2	84.4
60°	80.7	83.7	82.2	79.2	78.4
62.5°	82.2	81.4	78.4	74.6	73.9
64°	84.4	81.4	76.9	72.4	72.4
65°	86.7	81.4	76.2	70.9	70.9
67.5°	95.8	86.0	80.7	70.1	68.6
70°	101.0	92.7	86.7	70.1	67.1
72.5°	92.0	87.5	86.7	68.6	64.8
75°	70.9	73.9	77.7	64.1	61.1
77.5°	54.3	62.6	72.4	55.8	51.3
80°	43.7	59.6	75.4	46.7	39.2
82.5°	37.7	71.6	77.7	38.5	32.4
85°	30.9	80.7	76.2	33.2	23.4
87.5°	22.6	38.5	51.3	30.2	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)