

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: P157046

Luminaire Tested: **UTLD-F02-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157046
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-SL2-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4482.3 lumens
Efficiency: N/A
Efficacy: 81.5 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



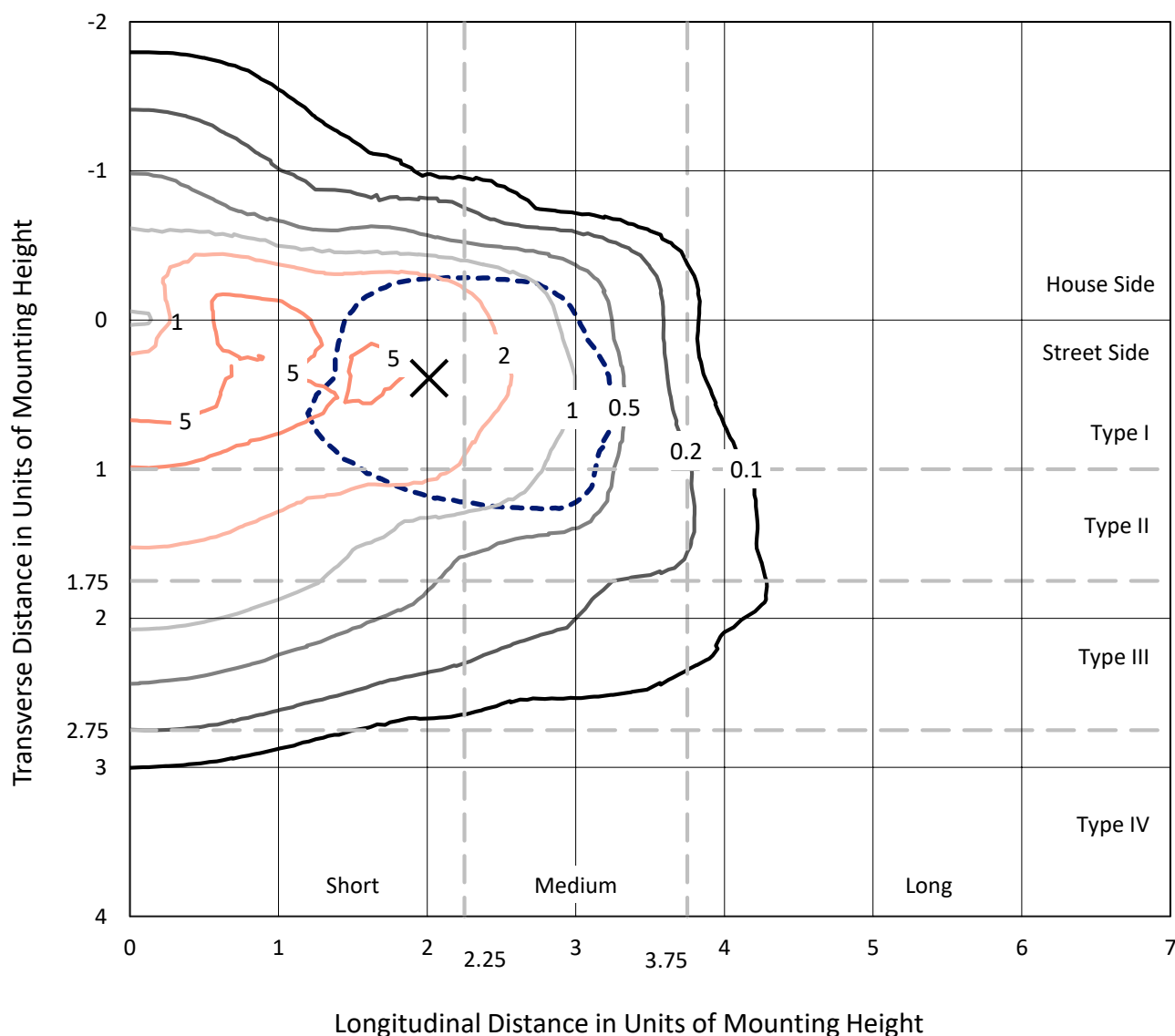
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

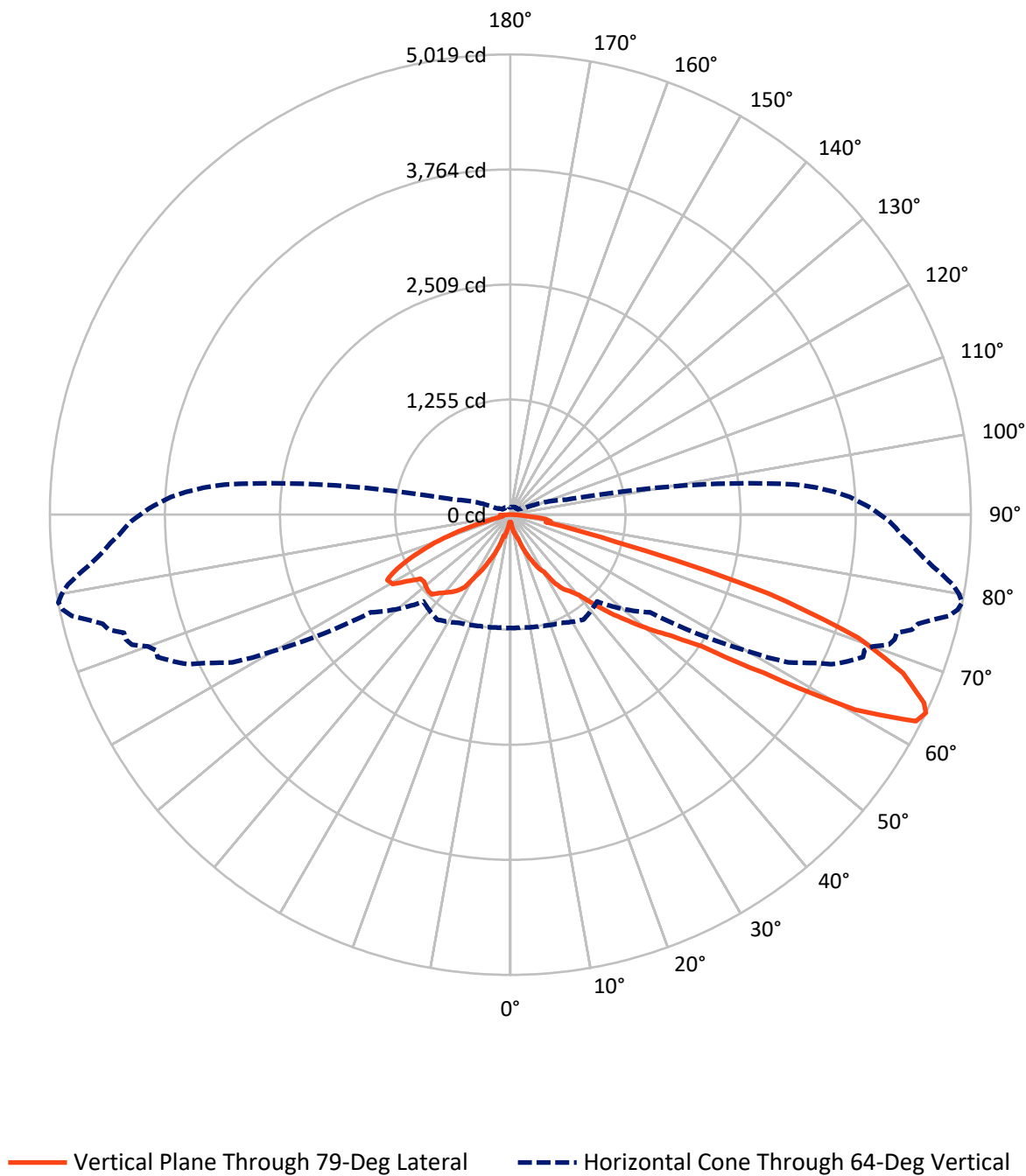


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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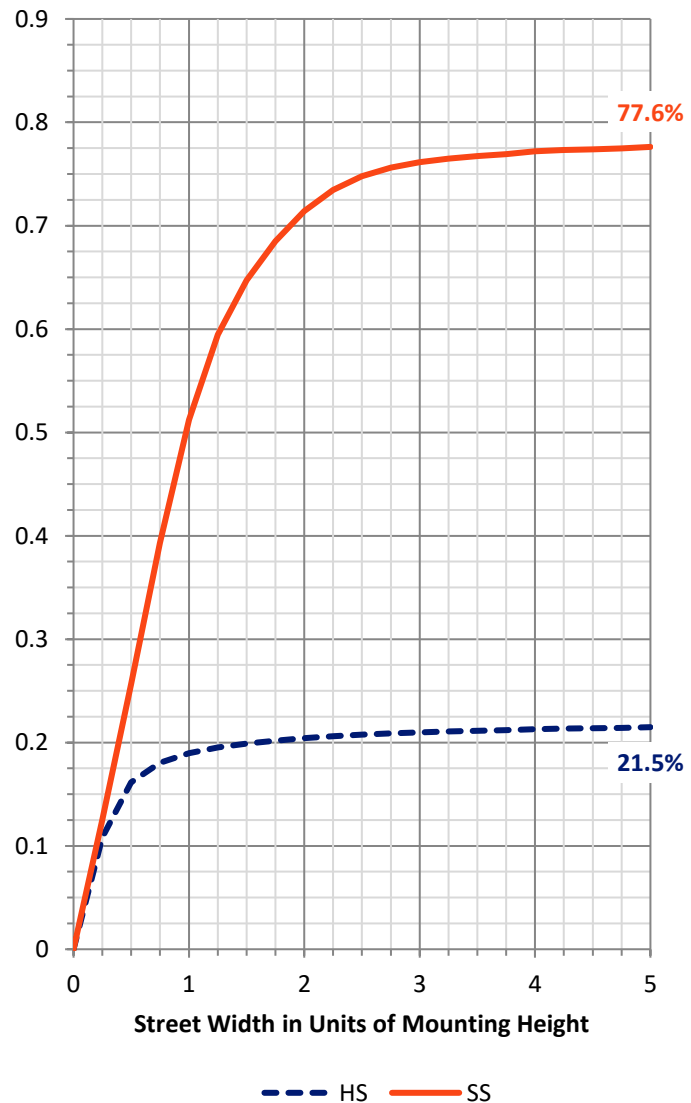
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	984.7	0.0	984.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3497.7	0.0	3497.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	4482.3	0.0	4482.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.3
10°-20°	65.5	1.5
20°-30°	191.7	4.3
30°-40°	418.8	9.3
40°-50°	761.8	17.0
50°-60°	1063.8	23.7
60°-70°	1337.7	29.8
70°-80°	518.6	11.6
80°-90°	113.2	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°	4482.3	100.0
0°-180°	4482.3	100.0

Coefficient of Utilization



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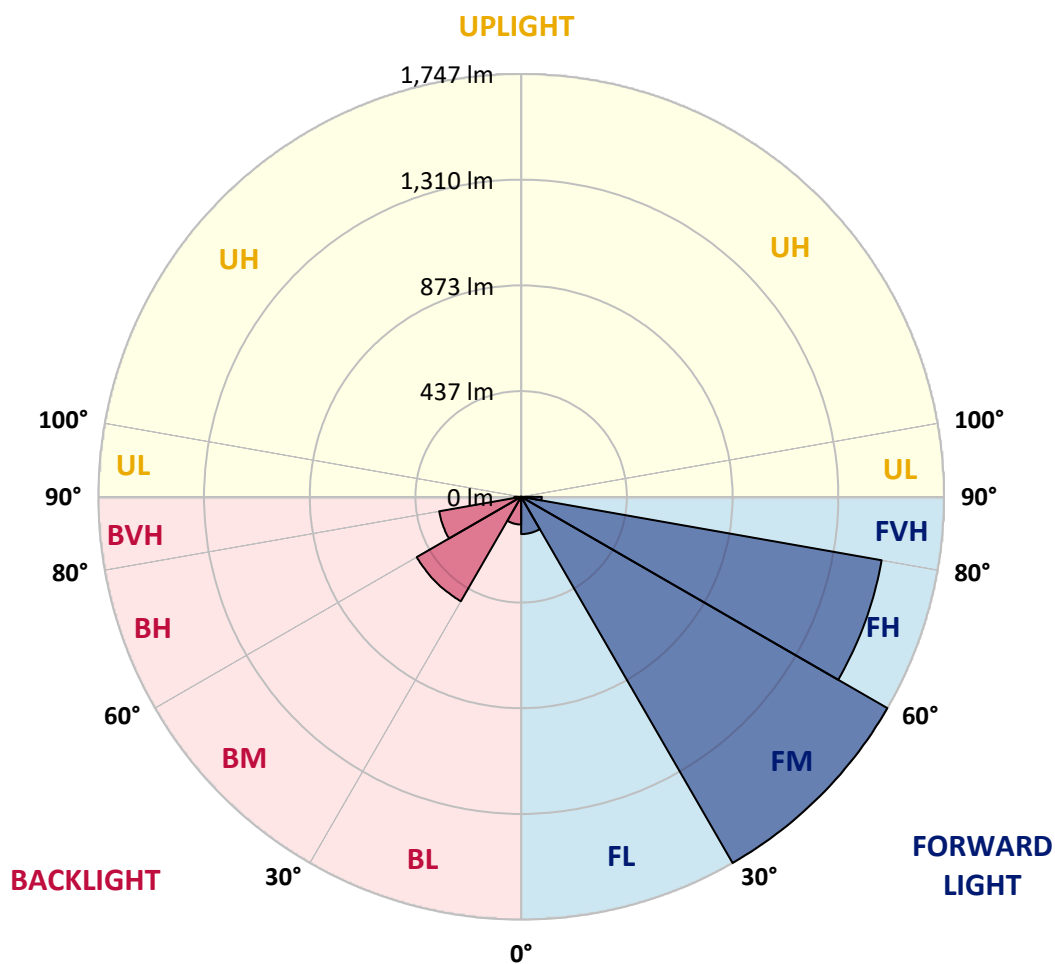
CATALOG NUMBER: UTLD-F02-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.0	3.4			
FM	(30°-60°)	1746.6	39.0			
FH	(60°-80°)	1512.0	33.7			G1/1800
FVH	(80°-90°)	85.0	1.9			G1/100
BL	(0°-30°)	114.4	2.6	B1/500		
BM	(30°-60°)	497.8	11.1	B1/1000		
BH	(60°-80°)	344.2	7.7	B1/500		G1/500
BVH	(80°-90°)	28.2	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	131.3	130.4	132.1	132.1	132.1	130.4	116.9	100.0	99.1	96.6	94.0
5°	108.4	108.4	108.4	109.3	110.1	111.8	118.6	127.1	131.3	132.1	133.0
7.5°	158.4	160.1	160.1	160.1	133.0	114.4	113.5	115.2	113.5	111.8	109.3
10°	162.6	163.5	163.5	165.2	166.0	163.5	139.8	158.4	158.4	159.3	160.1
12.5°	222.8	224.5	223.6	216.0	176.2	216.0	226.2	211.8	197.4	182.1	172.8
15°	236.3	239.7	232.9	226.2	269.4	253.3	238.9	275.3	275.3	277.8	285.5
17.5°	304.9	305.8	300.7	292.2	279.5	286.3	292.2	291.4	296.5	300.7	298.2
20°	365.9	358.3	315.1	338.0	333.7	331.2	332.1	361.7	364.2	365.9	373.6
22.5°	386.3	386.3	368.5	387.1	369.3	373.6	407.4	447.3	445.6	438.8	428.6
25°	471.0	472.7	432.0	400.7	409.1	419.3	439.6	500.6	493.0	501.5	505.7
27.5°	509.1	512.5	476.1	467.6	426.1	471.8	543.8	560.8	566.7	576.9	576.9
30°	611.6	613.3	589.6	522.6	508.2	514.2	587.9	612.4	620.9	631.9	673.4
32.5°	766.6	767.5	710.7	599.7	571.8	593.8	681.0	709.0	725.1	709.8	727.6
35°	1013.9	1006.3	900.4	810.7	741.2	686.1	772.5	870.8	860.6	863.2	871.6
37.5°	1178.3	1188.4	1155.4	1052.9	1004.6	928.4	980.1	992.8	973.3	988.5	993.6
40°	1308.7	1323.1	1309.6	1258.8	1212.2	1178.3	1241.0	1196.9	1169.0	1171.5	1152.0
42.5°	1357.9	1374.0	1387.5	1417.2	1405.3	1441.7	1529.0	1465.4	1460.4	1435.8	1388.4
45°	1391.7	1407.0	1451.0	1510.3	1529.0	1624.7	1775.5	1750.1	1768.7	1715.3	1686.5
47.5°	1398.5	1412.9	1462.9	1556.1	1607.7	1746.7	1979.6	2005.0	2019.4	1990.6	1983.9
50°	1339.2	1351.1	1404.5	1515.4	1590.8	1800.0	2115.1	2208.3	2221.0	2228.7	2234.6
52.5°	1246.9	1261.3	1311.3	1405.3	1501.0	1775.5	2188.8	2368.4	2383.7	2416.7	2456.5
55°	1210.5	1222.3	1253.7	1329.9	1402.8	1674.7	2226.1	2504.0	2528.5	2586.1	2654.7
57.5°	1205.4	1217.2	1245.2	1270.6	1351.1	1556.9	2242.2	2657.3	2733.5	2826.7	2937.7
60°	1249.4	1254.5	1267.2	1268.1	1305.3	1467.1	2193.1	2846.2	2998.6	3135.0	3309.5
62.5°	1279.1	1283.3	1302.8	1338.4	1328.2	1377.3	2027.1	2969.0	3196.0	3397.6	3623.8
64°	1235.9	1235.9	1258.8	1302.8	1395.1	1339.2	1858.5	2964.8	3213.8	3429.8	3687.3
65°	1186.8	1185.9	1207.1	1242.7	1384.1	1333.3	1736.5	2893.6	3151.1	3368.0	3646.7
67.5°	964.0	930.9	950.4	995.3	1167.3	1346.9	1433.3	2434.5	2698.8	2960.5	3281.6
70°	498.9	516.7	526.9	601.4	807.3	1158.8	1202.8	1720.4	2021.1	2282.0	2725.0
72.5°	210.9	197.4	221.9	274.5	424.4	820.8	1106.3	1195.2	1351.9	1559.5	2029.6
75°	114.4	115.2	120.3	136.4	221.1	453.2	1019.9	1052.9	1067.3	1101.2	1351.9
77.5°	84.7	84.7	87.2	87.2	115.2	235.5	813.2	995.3	997.9	975.8	1033.4
80°	63.5	66.9	71.2	67.8	72.0	133.8	476.1	903.8	941.9	949.6	997.0
82.5°	52.5	54.2	63.5	61.0	56.8	80.5	223.6	684.4	791.2	853.9	970.7
85°	35.6	38.1	57.6	55.9	51.7	54.2	129.6	221.9	267.7	309.2	393.9
87.5°	14.4	18.6	37.3	33.9	35.6	30.5	79.6	116.9	128.8	146.5	182.1
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°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	92.3	90.6	89.8	88.1	87.2	86.4	87.2	85.6	84.7	85.6	83.9
5°	132.1	132.1	131.3	129.6	128.8	127.1	126.2	119.4	111.8	107.6	100.8
7.5°	110.1	110.1	111.8	116.0	120.3	124.5	127.1	127.9	127.1	127.9	127.9
10°	160.1	162.6	162.6	164.3	164.3	165.2	166.0	167.7	169.4	179.6	187.2
12.5°	172.0	172.8	172.8	173.7	177.0	180.4	180.4	183.0	181.3	180.4	178.7
15°	281.2	277.0	257.5	255.0	254.1	251.6	244.8	242.3	242.3	244.0	243.1
17.5°	300.7	303.3	299.9	295.6	291.4	282.1	266.0	267.7	266.0	267.7	271.1
20°	376.1	368.5	373.6	392.2	404.9	409.1	413.4	415.9	407.4	394.7	393.0
22.5°	424.4	420.1	430.3	433.7	434.5	443.0	444.7	450.6	473.5	469.3	473.5
25°	506.6	550.6	551.4	554.0	558.2	563.3	559.9	567.5	565.8	572.6	572.6
27.5°	589.6	586.2	589.6	593.0	588.7	586.2	594.6	594.6	610.7	601.4	603.1
30°	669.2	671.7	679.4	686.1	691.2	688.7	689.5	701.4	692.9	699.7	709.8
32.5°	725.1	735.3	753.9	759.0	807.3	799.6	820.8	831.0	839.5	853.0	865.7
35°	885.2	892.8	903.0	903.0	897.9	910.6	919.9	926.7	935.2	956.3	949.6
37.5°	996.2	997.0	1000.4	978.4	992.8	998.7	998.7	1013.1	1028.3	1029.2	1013.9
40°	1143.6	1123.2	1114.8	1095.3	1113.1	1088.5	1107.1	1103.7	1114.8	1101.2	1109.7
42.5°	1366.3	1335.8	1288.4	1281.6	1266.4	1252.8	1236.7	1250.3	1226.6	1236.7	1263.0
45°	1649.3	1567.9	1546.8	1524.7	1462.1	1451.9	1444.3	1412.9	1382.4	1415.5	1460.4
47.5°	1944.9	1855.1	1826.3	1784.8	1743.3	1689.9	1658.6	1593.3	1578.1	1619.6	1649.3
50°	2193.9	2125.3	2130.4	2071.9	2020.3	1985.5	1899.1	1833.9	1830.5	1844.9	1830.5
52.5°	2412.5	2398.1	2400.6	2364.2	2329.5	2286.3	2182.1	2143.1	2116.8	2094.8	2036.4
55°	2630.2	2677.6	2673.4	2701.3	2693.7	2662.4	2588.7	2597.1	2587.0	2515.0	2456.5
57.5°	2990.2	3063.0	3108.8	3149.4	3235.8	3226.5	3212.1	3341.7	3336.6	3268.0	3295.1
60°	3461.2	3539.9	3656.0	3760.2	3856.7	3883.0	3965.2	4143.0	4127.8	4135.4	4225.2
62.5°	3816.9	3916.0	4039.7	4161.7	4160.0	4228.6	4393.8	4483.6	4466.6	4588.6	4659.8
64°	3860.1	3965.2	4055.0	4146.4	4133.7	4203.2	4360.7	4403.9	4404.8	4553.0	4601.3
65°	3796.6	3908.4	3973.6	4054.1	4038.9	4115.1	4271.8	4270.1	4294.7	4445.5	4487.8
67.5°	3406.9	3558.6	3611.9	3641.6	3658.5	3772.9	3858.4	3822.9	3928.7	3990.6	4093.1
70°	2873.3	3042.7	3135.9	3148.6	3207.9	3323.1	3385.8	3318.8	3449.3	3407.8	3586.5
72.5°	2265.9	2424.3	2564.1	2579.3	2680.1	2739.4	2733.5	2734.4	2754.7	2689.5	2838.6
75°	1573.9	1695.0	1801.7	1815.3	1868.6	1816.1	1777.2	1700.1	1611.1	1535.7	1526.4
77.5°	1071.6	1111.4	1101.2	1061.4	1018.2	949.6	895.4	880.1	823.4	799.6	750.5
80°	992.8	1006.3	986.8	984.3	952.1	875.9	836.9	772.5	764.1	736.1	701.4
82.5°	992.8	999.5	1002.9	1022.4	979.2	920.8	853.9	758.1	725.1	650.6	605.7
85°	471.0	499.8	548.1	590.4	588.7	572.6	498.9	460.0	390.5	334.6	283.8
87.5°	210.1	233.8	260.9	271.1	280.4	271.1	245.7	221.9	182.1	142.3	117.7
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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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	83.9	83.9	83.9	83.9	83.0	83.0	83.0	83.0	83.0	82.2	82.2
5°	94.0	92.3	88.9	88.9	87.2	86.4	86.4	85.6	85.6	84.7	84.7
7.5°	127.1	126.2	123.7	113.5	98.3	92.3	87.2	87.2	86.4	87.2	88.9
10°	190.6	190.6	188.9	186.4	185.5	182.1	165.2	150.8	141.5	139.8	138.1
12.5°	181.3	185.5	196.5	202.5	202.5	201.6	199.9	194.8	171.1	156.7	153.3
15°	244.0	245.7	246.5	249.9	260.1	261.7	260.1	261.7	260.1	244.0	221.9
17.5°	274.5	268.5	268.5	271.1	281.2	276.1	286.3	316.8	322.7	297.3	299.9
20°	389.7	389.7	391.3	385.4	389.7	397.3	398.1	401.5	408.3	406.6	396.4
22.5°	462.5	456.6	471.0	477.8	480.3	479.4	478.6	476.9	480.3	485.4	481.1
25°	562.5	567.5	568.4	565.0	557.4	554.0	559.9	565.8	583.6	594.6	587.0
27.5°	621.8	637.0	676.0	667.5	662.4	668.3	672.6	687.0	681.0	676.8	688.7
30°	724.2	721.7	713.2	720.9	731.0	743.7	740.3	730.2	725.1	737.0	733.6
32.5°	861.5	851.3	867.4	890.3	906.4	892.8	883.5	895.4	895.4	882.7	897.1
35°	937.7	956.3	980.9	996.2	985.1	985.1	994.5	988.5	992.8	1007.2	1015.6
37.5°	1030.0	1060.5	1075.8	1060.5	1063.9	1084.3	1085.1	1093.6	1102.0	1118.1	1141.9
40°	1147.8	1163.0	1152.0	1151.2	1176.6	1183.4	1198.6	1228.3	1241.0	1263.8	1274.0
42.5°	1293.5	1297.7	1299.4	1329.9	1334.1	1341.8	1380.7	1407.8	1440.9	1450.2	1437.5
45°	1473.9	1471.4	1509.5	1530.7	1535.7	1589.1	1604.4	1624.7	1646.7	1627.2	1659.4
47.5°	1638.2	1679.8	1728.9	1730.6	1773.8	1808.5	1822.1	1840.7	1822.9	1843.2	1819.5
50°	1832.2	1906.8	1899.1	1961.0	1994.9	2001.6	2029.6	2002.5	2005.9	1986.4	1979.6
52.5°	2074.5	2105.8	2102.4	2188.8	2194.8	2218.5	2198.2	2182.1	2179.5	2154.1	2135.5
55°	2495.5	2454.0	2498.0	2530.2	2547.2	2556.5	2492.1	2520.0	2455.7	2454.8	2410.8
57.5°	3271.4	3263.8	3291.7	3256.2	3301.9	3229.9	3225.7	3168.9	3129.1	3128.3	3102.8
60°	4205.7	4324.3	4351.4	4317.5	4230.3	4196.4	4141.4	4093.1	4022.8	4028.7	3976.2
62.5°	4732.6	4896.1	4939.3	4961.3	4848.7	4797.8	4671.6	4591.1	4482.7	4448.0	4363.3
64°	4741.9	4905.4	4985.0	5018.9	4962.2	4882.5	4763.1	4642.0	4531.9	4441.2	4364.1
65°	4671.6	4812.2	4920.7	4954.5	4950.3	4845.3	4746.2	4603.0	4501.4	4376.0	4297.2
67.5°	4293.0	4417.5	4559.0	4614.9	4672.5	4636.0	4551.3	4412.4	4290.4	4139.7	4029.5
70°	3706.8	3815.2	3941.4	4022.8	4085.4	4115.9	4043.1	3936.4	3844.0	3667.0	3537.4
72.5°	2895.3	2913.1	2938.5	2941.9	2917.3	2905.5	2840.2	2847.9	2678.5	2570.9	2496.3
75°	1438.3	1379.0	1235.0	1181.7	1059.7	987.7	904.7	871.6	785.2	760.7	694.6
77.5°	659.0	576.9	476.1	396.4	331.2	286.3	244.0	214.3	189.7	180.4	166.9
80°	645.5	580.2	502.3	443.9	375.3	313.4	255.0	199.9	160.9	137.2	122.0
82.5°	549.8	473.5	421.0	386.3	343.1	299.9	245.7	198.2	152.5	117.7	95.7
85°	225.3	183.8	155.9	141.5	126.2	111.0	95.7	82.2	73.7	62.7	56.8
87.5°	96.6	84.7	77.9	77.1	73.7	71.2	68.6	65.2	57.6	53.4	48.3
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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CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
5°	84.7	84.7	83.9	83.9	83.9	83.9	84.7	83.9	83.9	83.9	83.9
7.5°	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.6	89.8	89.8	90.6
10°	137.2	136.4	133.0	132.1	130.4	130.4	130.4	131.3	134.7	136.4	138.1
12.5°	149.9	151.6	153.3	149.9	151.6	147.4	149.9	151.6	150.8	151.6	149.9
15°	223.6	223.6	222.8	221.9	219.4	216.9	216.0	216.0	214.3	212.6	214.3
17.5°	296.5	296.5	292.2	288.9	288.9	271.1	283.8	279.5	282.1	270.2	302.4
20°	371.9	370.2	372.7	378.6	381.2	376.9	371.0	364.2	362.5	373.6	387.1
22.5°	480.3	476.9	467.6	455.7	454.0	453.2	464.2	464.2	465.0	470.1	478.6
25°	575.2	556.5	548.9	557.4	559.9	548.1	548.1	552.3	575.2	583.6	584.5
27.5°	691.2	685.3	680.2	670.0	665.8	682.7	692.1	681.9	678.5	691.2	691.2
30°	738.6	752.2	751.4	761.5	769.1	748.0	737.0	764.1	761.5	742.0	753.1
32.5°	912.3	919.1	928.4	941.1	931.8	945.3	930.9	919.9	937.7	934.3	921.6
35°	1014.8	1033.4	1033.4	1034.3	1059.7	1054.6	1048.7	1045.3	1031.7	1041.1	1047.0
37.5°	1140.2	1128.3	1138.5	1151.2	1156.3	1162.2	1163.9	1168.1	1150.3	1138.5	1121.5
40°	1263.0	1277.4	1264.7	1268.1	1278.2	1276.5	1283.3	1292.6	1267.2	1249.4	1225.7
42.5°	1447.7	1442.6	1439.2	1434.1	1422.2	1434.1	1422.2	1395.1	1401.1	1374.8	1340.9
45°	1641.6	1631.5	1632.3	1616.2	1604.4	1572.2	1562.9	1555.2	1523.0	1503.6	1450.2
47.5°	1821.2	1813.6	1786.5	1792.4	1756.0	1717.9	1694.2	1682.3	1638.2	1585.7	1553.5
50°	1975.4	1955.1	1955.9	1916.9	1890.7	1861.0	1823.8	1778.0	1729.7	1680.6	1611.1
52.5°	2115.1	2113.5	2088.9	2061.8	2022.8	2006.7	1943.2	1878.0	1819.5	1761.1	1683.1
55°	2439.6	2409.9	2358.3	2344.7	2326.1	2228.7	2181.2	2101.6	2011.0	1939.8	1835.6
57.5°	3110.5	3071.5	3010.5	3004.6	2890.2	2812.3	2703.0	2609.8	2486.2	2365.0	2211.7
60°	3910.9	3853.3	3857.6	3769.5	3672.1	3578.9	3442.5	3310.4	3139.3	2931.7	2675.1
62.5°	4287.0	4231.1	4182.9	4082.9	3979.6	3877.1	3764.4	3587.4	3422.2	3179.9	2861.4
64°	4274.3	4205.7	4132.0	4031.2	3938.1	3818.6	3704.3	3543.3	3357.0	3132.5	2796.2
65°	4212.5	4136.3	4041.4	3944.8	3833.0	3722.1	3609.4	3463.7	3257.9	3040.2	2701.3
67.5°	3921.1	3822.9	3721.2	3628.0	3510.3	3400.2	3299.4	3168.1	2954.6	2720.8	2416.7
70°	3441.7	3320.5	3208.7	3148.6	3063.0	2964.8	2842.8	2732.7	2535.3	2303.2	2027.1
72.5°	2363.3	2223.6	2145.6	2171.1	2085.5	2055.0	2026.2	1939.8	1767.0	1600.1	1423.1
75°	739.5	683.6	646.3	692.1	660.7	711.5	695.4	680.2	634.5	615.0	553.1
77.5°	167.7	160.1	156.7	155.0	155.9	155.0	152.5	151.6	149.1	150.8	146.5
80°	116.0	111.0	109.3	106.7	105.0	102.5	100.0	99.1	98.3	96.6	95.7
82.5°	83.9	77.1	76.2	74.5	73.7	72.0	71.2	72.8	72.0	74.5	74.5
85°	54.2	50.8	49.1	50.0	49.1	50.8	51.7	53.4	55.9	58.4	62.7
87.5°	44.9	42.4	42.4	43.2	44.9	46.6	50.8	55.9	60.1	66.9	74.5
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2.5°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	83.9	84.7	88.9
5°	83.9	84.7	83.9	84.7	84.7	84.7	85.6	85.6	107.6	130.4	91.5
7.5°	89.8	90.6	89.8	88.9	88.1	87.2	91.5	95.7	120.3	85.6	83.9
10°	138.9	139.8	140.6	149.1	161.8	179.6	183.0	183.0	133.0	116.0	130.4
12.5°	149.9	155.9	181.3	190.6	190.6	190.6	188.9	178.7	140.6	183.8	183.0
15°	229.6	248.2	249.0	249.9	249.0	232.9	217.7	213.5	219.4	197.4	188.1
17.5°	293.9	260.1	283.8	237.2	223.6	227.0	230.4	235.5	267.7	249.9	231.3
20°	393.9	394.7	371.0	362.5	356.6	355.8	357.5	360.9	340.5	280.4	258.4
22.5°	470.1	457.4	461.7	467.6	462.5	450.6	445.6	439.6	403.2	370.2	272.8
25°	565.0	562.5	556.5	555.7	568.4	576.0	570.1	561.6	504.0	371.9	291.4
27.5°	689.5	694.6	692.9	675.1	666.6	678.5	666.6	641.2	565.0	461.7	300.7
30°	753.9	765.8	771.7	770.8	750.5	750.5	744.6	761.5	621.8	449.8	308.3
32.5°	928.4	929.2	926.7	927.5	924.2	895.4	865.7	849.6	613.3	460.0	293.9
35°	1024.1	1016.5	1018.2	1001.2	980.9	959.7	928.4	889.4	656.5	421.8	259.2
37.5°	1127.5	1099.5	1069.9	1055.5	1025.8	1000.4	976.7	930.1	635.3	390.5	221.9
40°	1199.5	1191.0	1135.1	1098.7	1078.3	1038.5	997.9	968.2	595.5	324.4	188.1
42.5°	1285.0	1248.6	1222.3	1151.2	1105.4	1074.1	1016.5	962.3	532.8	262.6	163.5
45°	1391.7	1321.4	1264.7	1218.9	1123.2	1063.9	1009.7	944.5	453.2	214.3	148.2
47.5°	1477.3	1401.1	1303.6	1223.2	1144.4	1027.5	965.7	890.3	377.8	184.7	138.1
50°	1550.1	1442.6	1332.4	1207.9	1106.3	985.1	886.0	825.9	311.7	160.9	126.2
52.5°	1594.2	1474.8	1339.2	1190.1	1047.0	935.2	825.9	740.3	261.7	144.0	114.4
55°	1688.2	1556.1	1381.6	1202.8	1030.9	894.5	794.6	689.5	232.1	128.8	105.0
57.5°	2005.0	1780.6	1563.7	1326.5	1117.3	941.9	821.7	708.2	216.0	117.7	97.4
60°	2407.4	2102.4	1793.3	1488.3	1230.0	1019.0	854.7	736.1	199.1	111.0	93.2
62.5°	2537.8	2184.6	1829.7	1518.0	1222.3	996.2	825.9	695.4	174.5	105.9	92.3
64°	2449.7	2093.1	1749.2	1432.4	1152.0	928.4	764.1	630.2	157.6	104.2	95.7
65°	2348.9	1997.4	1673.8	1364.6	1091.0	869.1	707.3	582.8	146.5	103.3	99.1
67.5°	2057.5	1733.1	1422.2	1132.5	894.5	703.1	548.1	437.9	122.8	105.9	111.0
70°	1728.0	1399.4	1140.2	882.7	679.4	516.7	388.0	299.9	106.7	112.7	120.3
72.5°	1225.7	953.0	785.2	593.0	448.1	327.0	247.3	188.9	94.0	109.3	111.8
75°	485.4	406.6	325.3	253.3	206.7	169.4	142.3	116.0	84.7	97.4	88.1
77.5°	136.4	127.9	118.6	106.7	100.0	94.0	88.1	83.9	76.2	82.2	66.1
80°	91.5	88.1	85.6	83.0	81.3	78.8	77.1	76.2	70.3	68.6	49.1
82.5°	73.7	73.7	74.5	74.5	75.4	76.2	76.2	76.2	68.6	61.0	40.7
85°	66.9	71.2	76.2	82.2	86.4	88.1	88.9	87.2	65.2	52.5	32.2
87.5°	83.0	92.3	101.6	110.1	111.8	115.2	110.1	107.6	52.5	42.4	20.3
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-F02-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	82.2	82.2	82.2	82.2	82.2
2.5°	99.1	126.2	132.1	132.1	129.6
5°	84.7	83.9	81.3	81.3	81.3
7.5°	84.7	114.4	128.8	131.3	129.6
10°	129.6	133.8	133.0	130.4	129.6
12.5°	134.7	146.5	172.8	170.3	171.1
15°	220.2	166.9	164.3	159.3	159.3
17.5°	210.1	179.6	188.1	184.7	184.7
20°	232.1	209.2	177.0	176.2	172.0
22.5°	240.6	220.2	192.3	184.7	184.7
25°	247.3	203.3	177.9	188.9	188.9
27.5°	227.9	205.0	172.8	165.2	164.3
30°	232.9	185.5	172.0	162.6	161.8
32.5°	212.6	171.1	155.0	160.9	160.9
35°	189.7	161.8	151.6	153.3	153.3
37.5°	171.1	151.6	152.5	155.0	155.0
40°	154.2	146.5	154.2	157.6	156.7
42.5°	143.2	140.6	144.0	147.4	146.5
45°	133.0	131.3	134.7	136.4	135.5
47.5°	124.5	124.5	125.4	126.2	126.2
50°	116.0	117.7	117.7	117.7	116.9
52.5°	108.4	108.4	110.1	109.3	109.3
55°	100.8	101.6	104.2	102.5	101.6
57.5°	94.0	97.4	97.4	95.7	94.9
60°	90.6	94.0	92.3	88.9	88.1
62.5°	92.3	91.5	88.1	83.9	83.0
64°	94.9	91.5	86.4	81.3	81.3
65°	97.4	91.5	85.6	79.6	79.6
67.5°	107.6	96.6	90.6	78.8	77.1
70°	113.5	104.2	97.4	78.8	75.4
72.5°	103.3	98.3	97.4	77.1	72.8
75°	79.6	83.0	87.2	72.0	68.6
77.5°	61.0	70.3	81.3	62.7	57.6
80°	49.1	66.9	84.7	52.5	44.0
82.5°	42.4	80.5	87.2	43.2	36.4
85°	34.7	90.6	85.6	37.3	26.3
87.5°	25.4	43.2	57.6	33.9	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)