

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: P239558

Luminaire Tested: **UTLD-AF24-90-D-U-SL3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P239558  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-12-U0)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UTLD-AF24-90-D-U-SL3-7030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN  
UPPER HEMISPHERE NOT REPORTED.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

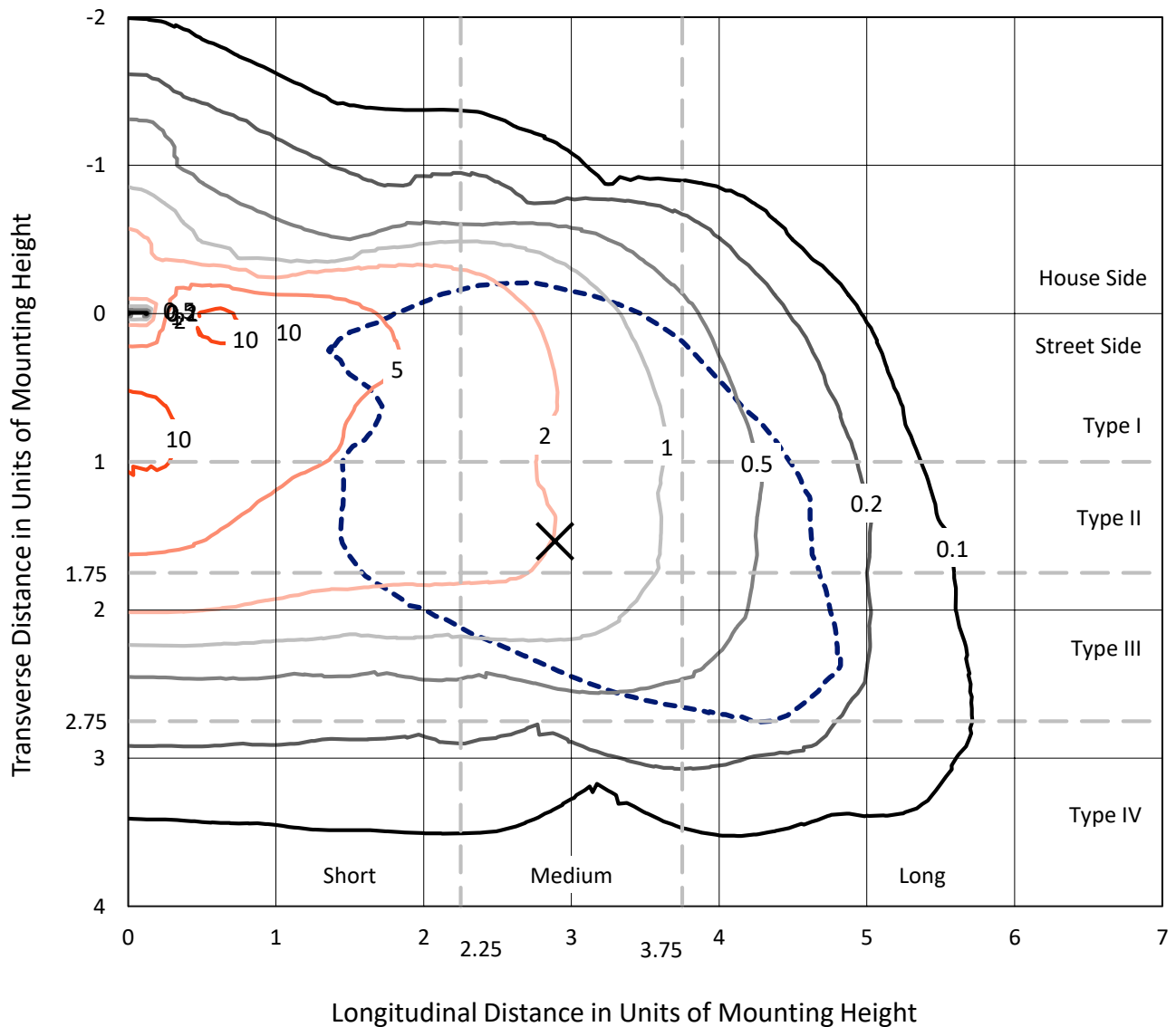
Lumens per Lamp: N/A  
Luminaire Lumens: 8167.1 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 94  
Input Voltage (V): 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



REPORT NUMBER: P239558  
 CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

### Iso-Footcandle Lines of Horizontal Illumination

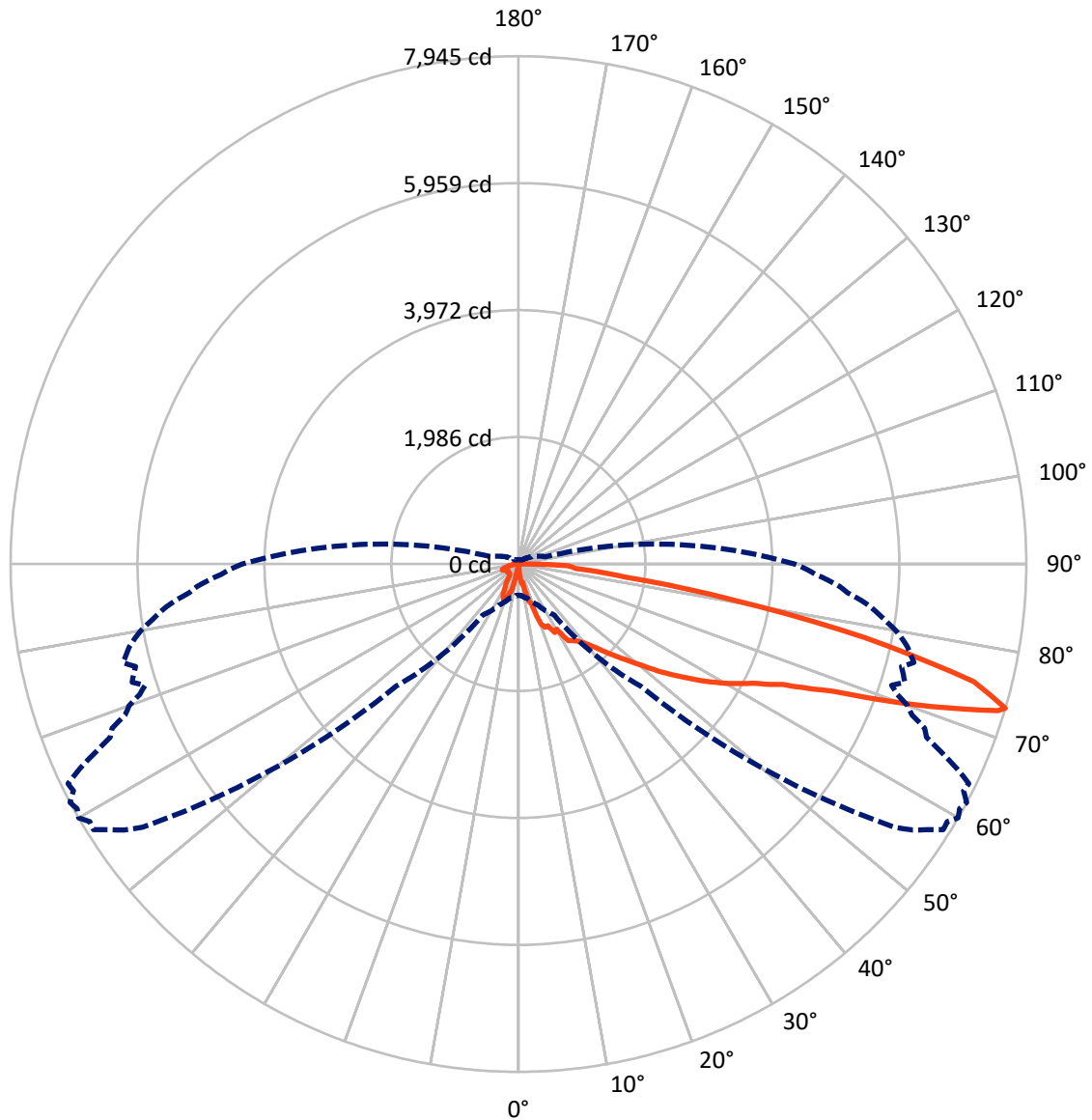
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P239558  
CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 62-Deg Lateral    - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P239558

CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

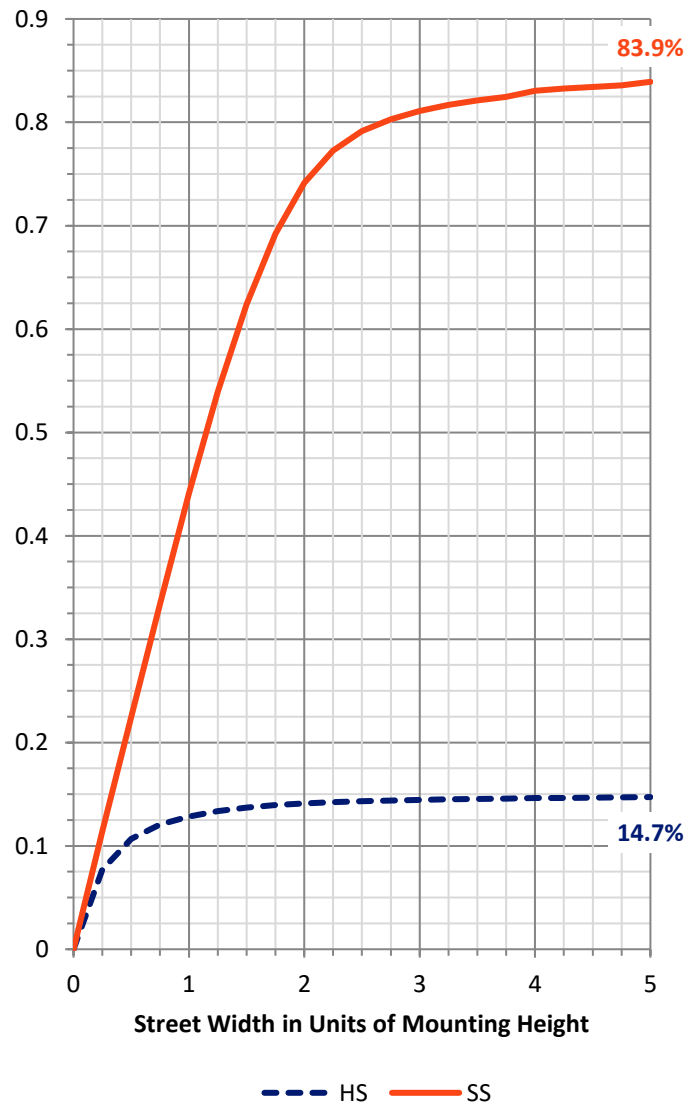
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1221.7	0.0	1221.7
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	6945.4	0.0	6945.4
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	8167.1	0.0	8167.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	0.2
10°-20°	143.1	1.8
20°-30°	381.7	4.7
30°-40°	689.1	8.4
40°-50°	1114.3	13.6
50°-60°	1709.3	20.9
60°-70°	2110.3	25.8
70°-80°	1701.6	20.8
80°-90°	304.6	3.7
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°	8167.1	100.0
0°-180°	8167.1	100.0



REPORT NUMBER: P239558

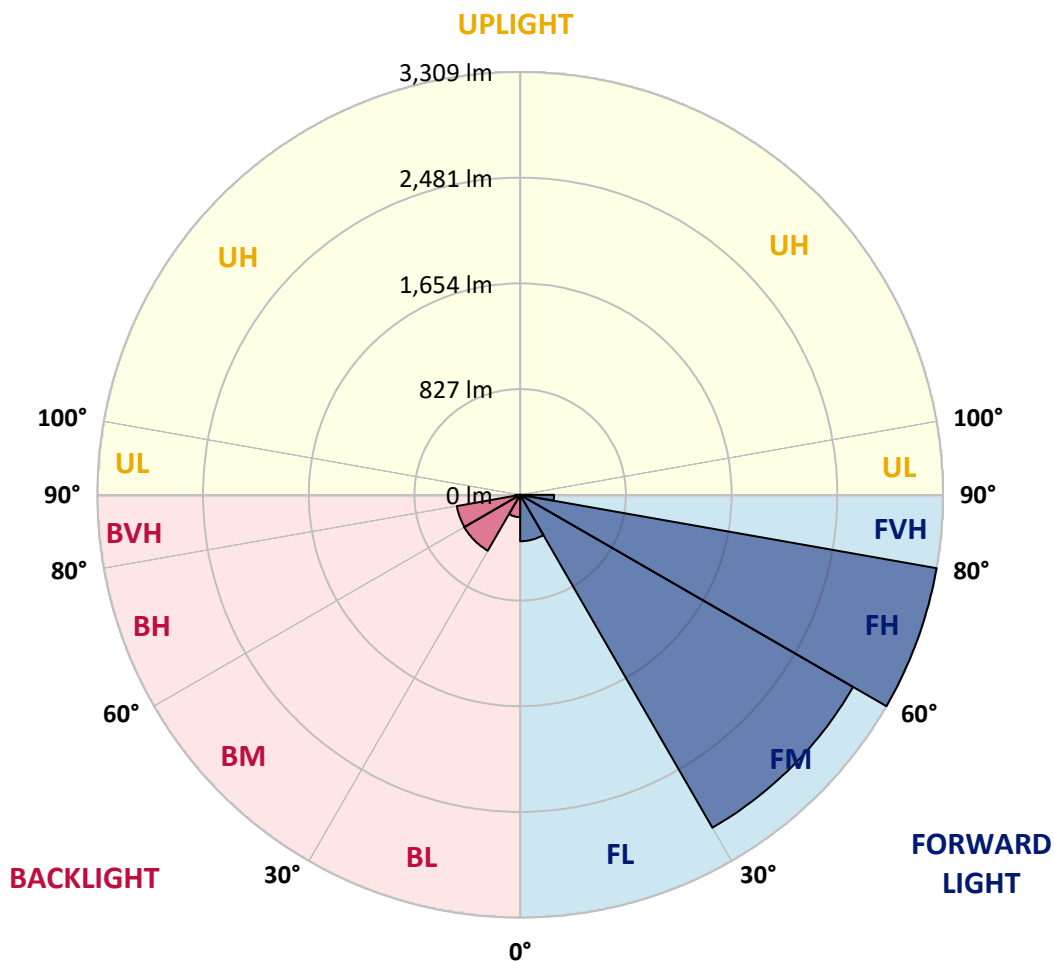
CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	363.3	4.4			
FM	(30°-60°)	3007.7	36.8			
FH	(60°-80°)	3308.5	40.5			G2/5000
FVH	(80°-90°)	265.9	3.3			G3/500
BL	(0°-30°)	174.6	2.1	B1/500		
BM	(30°-60°)	505.0	6.2	B1/1000		
BH	(60°-80°)	503.5	6.2	B2/1000		G2/1000
BVH	(80°-90°)	38.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





REPORT NUMBER: P239558

CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	34.0	27.2	25.2	19.4	12.6	4.8	1.9	1.9	1.9	1.9	1.9
5°	338.3	338.3	338.3	341.3	341.3	313.2	38.8	37.8	36.8	34.0	29.1
7.5°	324.8	323.9	324.8	326.8	328.8	331.6	337.5	337.5	336.5	336.5	338.3
10°	610.9	612.8	495.5	354.9	325.8	325.8	330.6	331.6	330.6	330.6	330.6
12.5°	594.5	592.5	594.5	598.3	609.0	344.2	332.5	336.5	339.4	342.3	342.3
15°	614.8	608.0	588.6	582.8	591.5	544.0	639.0	641.1	633.2	623.6	585.7
17.5°	816.5	813.6	819.5	793.2	589.6	791.2	768.9	766.1	721.4	603.1	585.7
20°	802.9	802.0	802.9	807.8	932.8	774.7	762.2	764.2	729.2	747.7	841.8
22.5°	1051.2	1050.2	1047.2	820.4	913.5	879.5	950.3	958.1	962.9	972.6	1026.9
25°	1091.9	1084.2	1065.8	989.2	906.7	1021.1	933.8	943.6	949.4	987.1	1033.7
27.5°	1461.4	1440.0	1261.6	1074.4	1022.1	1007.5	1098.7	1163.6	1181.1	1195.7	1208.3
30°	1662.1	1614.6	1494.3	1346.9	1117.0	1089.0	1148.1	1159.8	1199.5	1231.6	1189.9
32.5°	2224.5	2135.3	1834.7	1483.6	1307.2	1234.4	1157.8	1178.3	1304.2	1325.7	1336.2
35°	2352.6	2275.9	2061.6	1796.9	1434.2	1324.7	1335.2	1358.5	1402.3	1355.7	1424.5
37.5°	2359.4	2337.9	2231.3	1977.3	1668.0	1495.3	1428.3	1473.1	1478.9	1439.1	1503.1
40°	2384.5	2394.2	2461.2	2181.0	1860.9	1716.4	1570.9	1624.2	1566.1	1612.6	1624.2
42.5°	2512.5	2540.6	2664.8	2434.0	2077.1	1923.9	1788.1	1833.7	1746.4	1808.6	1767.9
45°	2850.9	2870.3	2920.8	2629.9	2333.1	2124.6	2059.6	2086.9	1996.6	2056.8	1969.5
47.5°	3273.7	3247.6	3205.8	2813.1	2562.0	2346.7	2332.1	2278.8	2273.0	2287.6	2220.7
50°	3599.5	3561.8	3401.8	2995.5	2753.0	2567.8	2623.1	2522.2	2591.1	2532.0	2532.0
52.5°	3730.4	3690.8	3519.1	3116.6	2902.4	2791.8	2934.3	2809.3	2901.4	2779.2	2854.8
55°	3713.0	3692.6	3567.6	3181.6	3017.7	3015.8	3241.7	3142.9	3217.4	3073.0	3189.4
57.5°	3594.7	3593.7	3553.9	3242.7	3122.5	3218.4	3561.8	3516.2	3545.3	3471.6	3538.5
60°	3278.7	3286.4	3376.5	3245.6	3270.9	3427.9	3876.9	3921.6	3883.7	3866.2	3916.6
62.5°	2670.7	2686.1	2927.6	3050.7	3360.0	3726.7	4188.2	4312.4	4188.2	4286.1	4277.4
65°	1759.1	1819.1	2200.3	2647.4	3263.1	4136.8	4738.0	4845.6	4649.7	4772.0	4735.1
67.5°	926.1	950.3	1217.9	1844.4	2870.3	4369.5	5859.0	5902.6	5641.8	5761.0	5628.2
70°	642.9	649.6	714.7	982.4	1939.5	4128.1	6947.0	7169.0	7063.4	7136.2	6939.3
72.5°	508.2	517.8	582.8	723.4	1026.0	3088.5	7238.9	7531.8	7665.6	7876.1	7847.9
73°	488.7	494.5	558.6	704.9	972.6	2700.7	7174.0	7441.5	7625.9	7838.2	7824.6
75°	358.8	381.1	475.2	648.8	884.4	1463.3	6258.5	6570.8	6879.2	7109.9	7147.7
77.5°	184.2	184.2	217.2	520.7	831.0	937.7	4208.5	4536.3	5005.7	5185.0	5264.5
80°	152.2	153.2	162.9	228.9	761.2	922.1	2254.6	2651.1	3000.3	3211.6	3308.7
82.5°	115.4	128.1	142.6	158.1	354.9	941.6	1115.2	1335.2	1523.4	1628.2	1706.7
85°	87.3	94.1	125.1	132.9	182.4	1127.8	924.2	934.8	940.6	941.6	966.8
87.5°	50.5	54.3	97.0	109.6	128.9	944.5	1033.7	971.7	913.5	873.7	819.5
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: P239558

CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.9	1.9	1.9	1.0	1.9	1.9	1.9	1.9	1.0	1.0	1.0
5°	26.2	21.3	21.3	16.5	14.5	11.7	7.7	6.8	4.8	4.0	2.9
7.5°	338.3	330.6	266.7	216.3	140.6	52.3	41.7	38.8	35.8	32.0	27.2
10°	330.6	330.6	316.1	280.2	263.8	264.7	263.8	263.8	263.8	252.2	197.9
12.5°	318.1	285.0	293.8	383.1	402.4	415.0	490.7	500.4	650.6	654.6	658.4
15°	574.0	578.0	603.1	647.8	650.6	653.6	654.6	657.4	663.3	667.1	671.1
17.5°	590.5	626.4	646.9	645.8	648.8	652.6	659.4	666.2	671.1	678.8	684.6
20°	985.2	1048.3	999.7	943.6	955.2	961.9	967.8	974.6	981.3	988.1	962.9
22.5°	1054.1	1063.7	1074.4	1081.2	1040.4	1036.7	1002.7	989.2	986.2	948.4	1000.7
25°	1047.2	1058.9	1070.5	1035.7	1043.4	1167.6	1298.4	1311.0	1294.6	1304.2	1317.8
27.5°	1217.0	1229.6	1212.1	1229.6	1282.9	1294.6	1298.4	1286.8	1344.0	1338.2	1313.0
30°	1200.5	1205.3	1182.0	1250.9	1269.4	1282.9	1262.6	1357.5	1471.0	1489.5	1602.0
32.5°	1395.5	1369.2	1429.3	1456.5	1471.0	1447.8	1510.8	1525.4	1546.7	1579.7	1608.8
35°	1423.5	1408.1	1472.0	1481.8	1479.8	1495.3	1524.3	1515.7	1571.9	1600.9	1634.0
37.5°	1462.3	1521.4	1532.2	1538.9	1503.1	1564.1	1550.6	1604.9	1628.2	1654.3	1729.0
40°	1575.7	1635.9	1641.7	1623.3	1644.7	1662.1	1675.7	1699.0	1719.3	1762.9	1873.5
42.5°	1773.6	1802.7	1793.9	1743.6	1809.5	1771.6	1828.9	1843.4	1866.7	1967.5	2006.3
45°	2032.5	2026.6	2002.5	1980.1	2008.3	2001.5	2018.9	2030.6	2096.4	2195.4	2202.2
47.5°	2289.5	2280.8	2222.6	2267.2	2215.8	2261.3	2259.5	2268.1	2396.2	2412.7	2439.8
50°	2558.1	2545.5	2484.4	2537.8	2490.2	2529.1	2528.0	2577.5	2677.4	2675.4	2701.7
52.5°	2841.3	2808.3	2807.3	2786.0	2804.3	2786.0	2793.8	2914.0	2927.6	2943.1	2972.2
55°	3148.7	3063.3	3117.6	3032.3	3084.6	3065.3	3087.5	3202.0	3186.4	3184.6	3203.9
57.5°	3503.6	3402.8	3464.8	3405.6	3394.0	3358.1	3457.9	3484.2	3459.9	3462.9	3473.5
60°	3851.7	3816.8	3794.5	3781.9	3738.2	3708.2	3842.0	3769.2	3738.2	3737.3	3811.9
62.5°	4180.5	4192.1	4106.7	4112.5	4071.9	4077.7	4168.8	4080.5	4025.3	3991.3	4067.9
65°	4612.0	4670.2	4547.0	4524.7	4448.1	4546.1	4501.4	4412.2	4337.5	4369.5	4334.7
67.5°	5450.7	5423.6	5307.3	5207.4	5088.1	5202.5	5085.2	4961.0	4876.7	4953.3	4935.8
70°	6860.7	6732.7	6600.8	6435.1	6248.9	6242.1	5987.0	5830.0	5621.4	5614.7	5619.5
72.5°	7930.4	7837.1	7845.9	7698.5	7620.0	7440.5	7097.4	6756.9	6653.3	6479.6	6365.2
73°	7943.9	7893.4	7944.9	7813.9	7839.2	7568.6	7239.8	6937.3	6856.9	6593.0	6479.6
75°	7288.3	7299.1	7359.1	7387.2	7646.2	7493.0	7238.0	6990.6	6868.5	6670.6	6389.5
77.5°	5407.1	5566.1	5546.8	5591.4	5750.5	5598.1	5491.5	5431.4	5264.5	5223.8	4966.8
80°	3306.7	3380.4	3370.7	3483.1	3449.4	3275.7	3222.4	3010.9	2943.1	2729.8	2540.6
82.5°	1732.9	1742.5	1696.0	1679.6	1617.5	1501.1	1350.8	1196.6	1081.2	938.6	808.7
85°	953.2	912.6	898.8	859.3	806.8	732.1	672.1	581.8	507.2	417.9	345.3
87.5°	808.7	787.4	784.5	753.5	706.0	644.8	570.3	500.4	413.1	324.8	258.0
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: P239558

CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

	71°	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	2.9	2.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	21.3	15.6	12.6	8.7	5.8	4.0	4.0	4.0	2.9	2.9	1.9
10°	124.1	56.3	35.8	31.0	26.2	21.3	15.6	13.5	11.7	8.7	8.7
12.5°	660.4	663.3	665.2	605.1	516.9	463.5	460.6	455.7	453.9	452.9	452.9
15°	675.9	678.8	682.7	672.1	628.4	612.8	557.6	486.7	478.1	475.2	469.4
17.5°	687.6	658.4	629.4	637.1	639.0	644.8	648.8	731.2	679.8	624.5	687.6
20°	966.8	1018.2	1028.9	1037.6	1046.2	1057.0	1065.8	1079.3	1117.0	1089.0	1015.2
22.5°	1019.2	1029.9	1041.5	1056.0	1065.8	1084.2	1134.5	1112.3	1100.7	1104.5	1101.6
25°	1334.3	1352.7	1371.2	1391.5	1435.2	1491.4	1495.3	1503.1	1511.8	1514.7	1511.8
27.5°	1333.4	1351.7	1379.0	1446.8	1482.6	1493.3	1508.9	1520.6	1525.4	1524.3	1472.0
30°	1628.2	1669.8	1759.1	1790.1	1815.4	1840.5	1858.0	1869.7	1920.0	1893.9	1935.5
32.5°	1646.5	1737.8	1770.6	1801.6	1836.6	1862.9	1891.0	1936.5	1946.2	1969.5	1954.9
35°	1729.0	1771.6	1809.5	1850.2	1882.2	1918.0	1973.3	2002.5	2025.7	2012.1	1996.6
37.5°	1801.6	1830.8	1873.5	1921.0	1961.7	2043.1	2078.1	2118.9	2112.0	2105.2	2082.9
40°	1885.2	1928.8	1981.1	2036.4	2148.9	2175.1	2239.0	2253.6	2249.7	2232.2	2269.1
42.5°	2042.2	2090.6	2147.0	2263.3	2298.3	2394.2	2425.2	2434.0	2430.2	2469.8	2471.8
45°	2245.9	2295.3	2382.6	2452.5	2571.6	2628.9	2650.2	2673.5	2707.5	2757.8	2721.9
47.5°	2485.3	2536.8	2660.9	2744.3	2835.4	2898.4	2940.1	2985.7	3068.2	3047.8	3009.0
50°	2743.3	2851.8	2889.8	3043.0	3112.8	3183.6	3243.7	3372.7	3377.5	3358.1	3419.2
52.5°	2998.4	3103.1	3229.1	3311.5	3394.0	3454.1	3612.2	3696.6	3709.2	3725.6	3781.9
55°	3328.0	3353.2	3484.2	3576.3	3654.8	3756.7	3936.1	3969.1	3997.1	4117.4	4077.7
57.5°	3570.5	3687.8	3740.2	3821.7	3893.4	4112.5	4191.0	4225.0	4371.5	4373.4	4336.6
60°	3812.9	3927.4	3980.7	4044.7	4166.8	4358.9	4404.5	4474.2	4606.2	4590.6	4571.2
62.5°	4131.0	4160.0	4198.9	4263.9	4490.8	4569.3	4619.7	4799.1	4809.8	4806.9	4777.8
65°	4453.9	4454.8	4487.9	4604.1	4793.3	4848.6	4981.4	5095.9	5127.9	5122.9	5108.4
67.5°	4924.2	4927.1	4957.2	5201.5	5259.7	5305.3	5521.5	5559.3	5562.3	5572.0	5547.7
70°	5546.8	5509.0	5605.9	5778.5	5775.7	5883.3	6013.2	6033.6	6016.2	5995.7	5944.4
72.5°	6194.6	6087.8	6259.5	6231.4	6191.6	6375.9	6319.7	6250.7	6179.0	6067.5	5965.7
73°	6265.4	6139.3	6319.7	6262.4	6203.3	6374.8	6296.4	6220.6	6117.0	5998.7	5842.5
75°	6143.1	6019.0	6055.8	5939.5	5954.1	5962.8	5818.3	5678.6	5490.5	5369.3	5138.5
77.5°	4840.8	4772.9	4717.7	4668.2	4633.2	4458.8	4196.8	4078.6	3834.2	3683.0	3398.8
80°	2440.8	2403.9	2254.6	2208.0	2090.6	1822.1	1705.7	1556.4	1401.2	1262.6	1093.8
82.5°	714.7	634.1	572.1	540.2	500.4	448.9	407.3	385.9	354.9	345.3	323.9
85°	295.8	268.6	259.0	256.0	244.4	236.6	219.2	213.4	206.5	196.8	187.2
87.5°	216.3	192.0	177.4	166.8	159.1	153.2	144.4	138.6	131.8	127.1	123.1
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: P239558

CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

	82°	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
5°	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
7.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	9.8	9.8	10.7	9.8	8.7	10.7	8.7	9.8	10.7	7.7	5.8
12.5°	452.9	451.9	453.9	455.7	453.9	455.7	456.7	459.7	473.2	529.5	447.1
15°	467.4	466.4	469.4	497.4	533.3	541.1	541.1	540.2	540.2	533.3	494.5
17.5°	759.3	846.5	774.7	860.1	915.4	817.5	901.8	922.1	843.7	830.1	514.9
20°	1004.6	999.7	992.9	990.1	986.2	983.4	995.0	1028.9	1033.7	984.2	786.4
22.5°	1052.1	1035.7	1026.9	1026.0	1062.8	1092.9	1064.7	1055.0	1044.4	981.3	755.4
25°	1480.8	1441.0	1477.8	1470.1	1453.5	1441.0	1423.5	1407.0	1442.0	1337.3	1019.2
27.5°	1493.3	1502.1	1486.6	1472.0	1455.6	1446.8	1478.9	1463.3	1441.0	1311.0	931.9
30°	1918.0	1899.7	1880.3	1858.9	1887.0	1874.5	1844.4	1815.4	1827.9	1654.3	1075.4
32.5°	1937.5	1916.2	1911.3	1929.7	1893.9	1864.7	1852.2	1856.0	1819.1	1602.0	956.1
35°	1971.5	1994.7	1991.8	1959.8	1927.8	1953.0	1917.2	1878.3	1831.8	1576.7	839.7
37.5°	2116.0	2105.2	2069.4	2037.3	2059.6	2017.0	1967.5	1917.2	1865.7	1566.1	723.4
40°	2258.5	2223.5	2185.7	2212.0	2161.4	2110.2	2057.7	1996.6	1932.7	1581.6	613.8
42.5°	2431.0	2412.7	2436.9	2379.6	2313.8	2256.5	2185.7	2119.7	2046.1	1625.2	513.9
45°	2688.0	2725.9	2664.8	2602.7	2520.3	2451.4	2377.7	2298.3	2214.8	1715.4	426.6
47.5°	3051.7	3012.0	2952.7	2869.3	2802.5	2723.0	2639.6	2542.6	2440.8	1861.9	366.6
50°	3413.4	3345.5	3288.2	3194.2	3108.9	3022.5	2915.9	2825.8	2713.2	2043.1	336.5
52.5°	3734.4	3667.5	3595.7	3519.1	3431.9	3333.8	3237.9	3123.4	3010.9	2267.2	328.8
55°	4028.2	3964.2	3876.9	3807.1	3721.8	3622.8	3511.4	3407.6	3290.3	2513.5	340.4
57.5°	4293.9	4234.8	4154.2	4075.7	3979.7	3893.4	3783.8	3669.4	3542.4	2736.5	377.3
60°	4515.0	4458.8	4391.7	4310.4	4215.3	4128.1	4026.2	3920.6	3805.2	2979.9	482.0
62.5°	4739.0	4690.5	4643.9	4587.7	4494.6	4427.7	4332.6	4240.6	4150.3	3320.3	635.2
65°	5070.6	5056.1	4995.0	4959.1	4895.2	4846.6	4777.8	4672.0	4583.9	3720.9	728.2
67.5°	5517.7	5488.5	5445.9	5361.6	5299.5	5229.7	5139.4	5034.7	4915.5	3951.6	680.6
70°	5880.4	5814.4	5721.4	5625.3	5508.0	5382.8	5252.0	5118.1	4961.0	3818.7	550.7
72.5°	5822.2	5679.7	5498.3	5348.9	5183.2	5033.8	4843.7	4647.9	4469.4	3203.9	455.7
73°	5706.7	5555.5	5384.9	5168.6	5040.5	4855.4	4653.7	4505.3	4315.2	3013.9	436.4
75°	4949.5	4769.0	4628.4	4381.2	4199.8	4036.9	3848.7	3659.7	3486.1	2233.3	383.1
77.5°	3225.3	3064.2	2780.2	2675.4	2459.2	2338.9	2153.7	2070.4	1838.7	1107.5	322.0
80°	971.7	972.6	864.0	782.6	752.5	708.9	654.6	628.4	601.3	449.9	251.2
82.5°	321.0	308.3	295.8	291.8	292.9	296.7	298.8	296.7	306.5	258.0	162.9
85°	176.5	172.6	168.7	163.9	160.9	159.9	159.1	158.1	161.9	154.2	104.8
87.5°	118.3	115.4	113.4	112.5	112.5	110.6	112.5	110.6	113.4	101.8	75.6
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: P239558

CATALOG NUMBER: UTLD-AF24-90-D-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	1.9	159.9	289.0	293.8	298.8
10°	4.0	4.0	263.8	300.6	299.6	295.8	290.0	290.0
12.5°	208.4	211.4	280.2	271.5	258.0	251.2	248.2	245.3
15°	383.1	528.5	263.8	231.7	362.6	360.8	348.1	347.1
17.5°	479.9	481.0	410.2	291.8	285.0	265.7	257.0	258.0
20°	708.9	433.4	425.7	296.7	214.2	288.0	319.0	322.0
22.5°	645.8	533.3	330.6	249.2	239.5	286.0	310.3	314.2
25°	636.1	418.9	288.0	246.3	225.9	266.7	361.7	368.5
27.5°	598.3	339.4	253.1	222.1	259.9	290.9	316.1	318.1
30°	481.0	261.7	209.4	217.2	232.7	248.2	293.8	298.8
32.5°	431.6	210.5	188.2	192.0	216.3	244.4	271.5	275.5
35°	326.8	201.7	174.6	178.4	199.7	225.0	279.2	285.0
37.5°	258.0	190.1	169.7	173.6	193.9	218.2	243.4	248.2
40°	225.0	184.2	168.7	164.9	181.4	193.0	213.4	216.3
42.5°	214.2	180.4	164.9	156.1	163.9	171.6	222.1	225.9
45°	211.4	179.4	159.9	143.5	148.4	154.2	267.6	279.2
47.5°	213.4	178.4	150.3	130.9	135.8	154.2	302.5	311.3
50°	217.2	177.4	139.7	123.1	140.6	176.5	294.8	295.8
52.5°	224.0	176.5	129.9	132.9	159.1	162.9	224.0	222.1
55°	229.8	170.7	133.9	133.9	128.1	126.0	155.1	153.2
57.5°	221.1	159.9	132.9	113.4	107.6	109.6	132.9	133.9
60°	208.4	154.2	120.3	105.7	101.8	105.7	139.7	140.6
62.5°	210.5	152.2	112.5	100.8	96.0	100.8	118.3	120.3
65°	241.5	158.1	109.6	92.1	91.1	94.1	93.1	93.1
67.5°	280.2	174.6	106.6	89.3	86.4	85.3	84.3	85.3
70°	306.5	184.2	104.8	86.4	80.6	78.5	77.6	78.5
72.5°	289.0	170.7	98.9	81.5	73.8	71.8	69.8	69.8
73°	281.3	166.8	97.0	78.5	72.7	69.8	68.9	69.8
75°	249.2	145.5	86.4	71.8	66.8	65.0	63.1	63.1
77.5°	198.8	115.4	72.7	63.1	59.1	58.2	56.3	56.3
80°	149.3	91.1	59.1	56.3	53.3	52.3	49.5	47.5
82.5°	108.6	75.6	48.5	51.4	47.5	44.6	42.7	38.8
85°	78.5	65.0	42.7	49.5	43.6	39.8	34.0	28.1
87.5°	56.3	56.3	39.8	52.3	38.8	30.0	19.4	11.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)