

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: P157129

Luminaire Tested: **UTLD-E02-LED-E-U-T2-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157129  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33661)  
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-T2-7030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4891.5 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

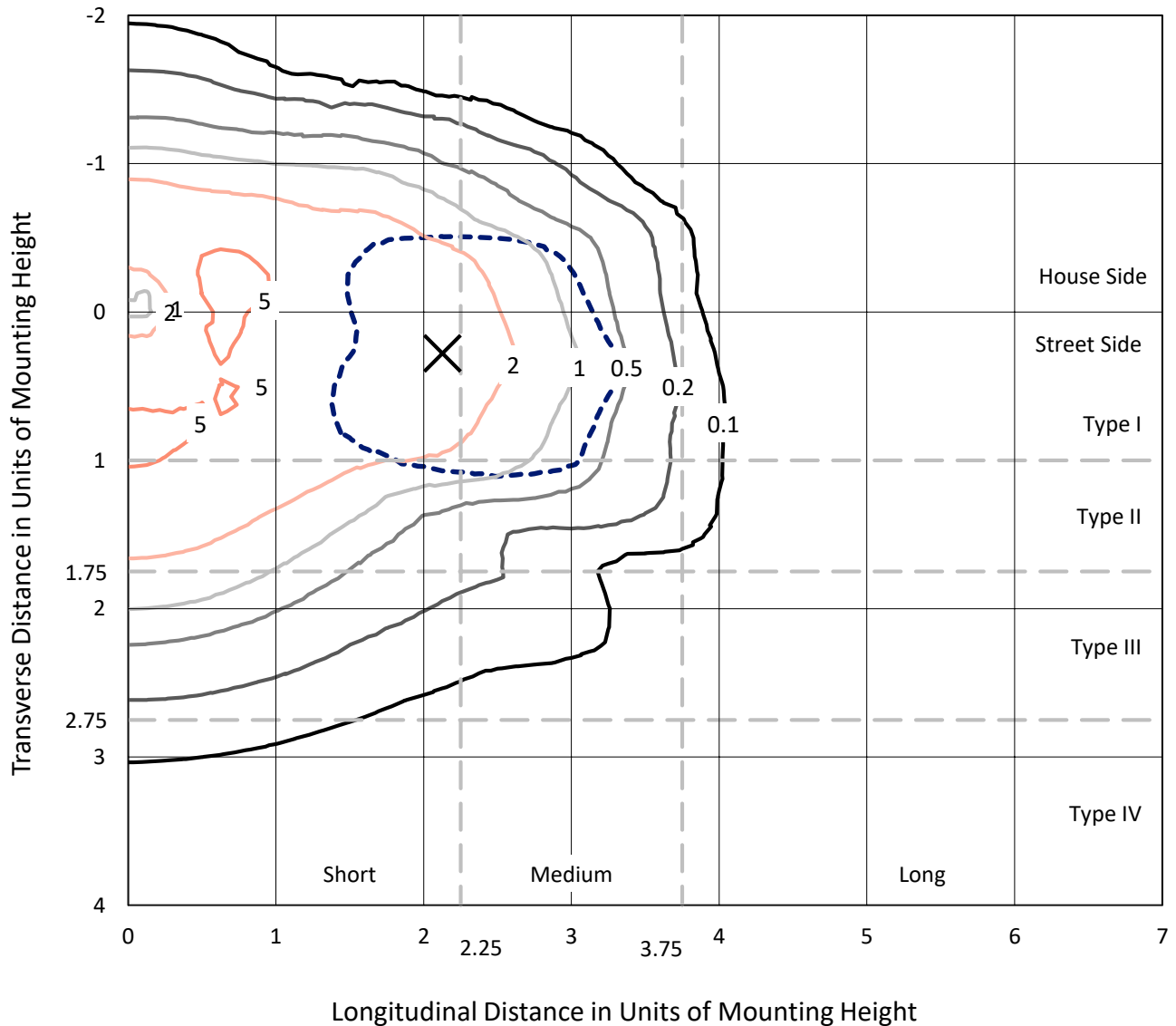
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

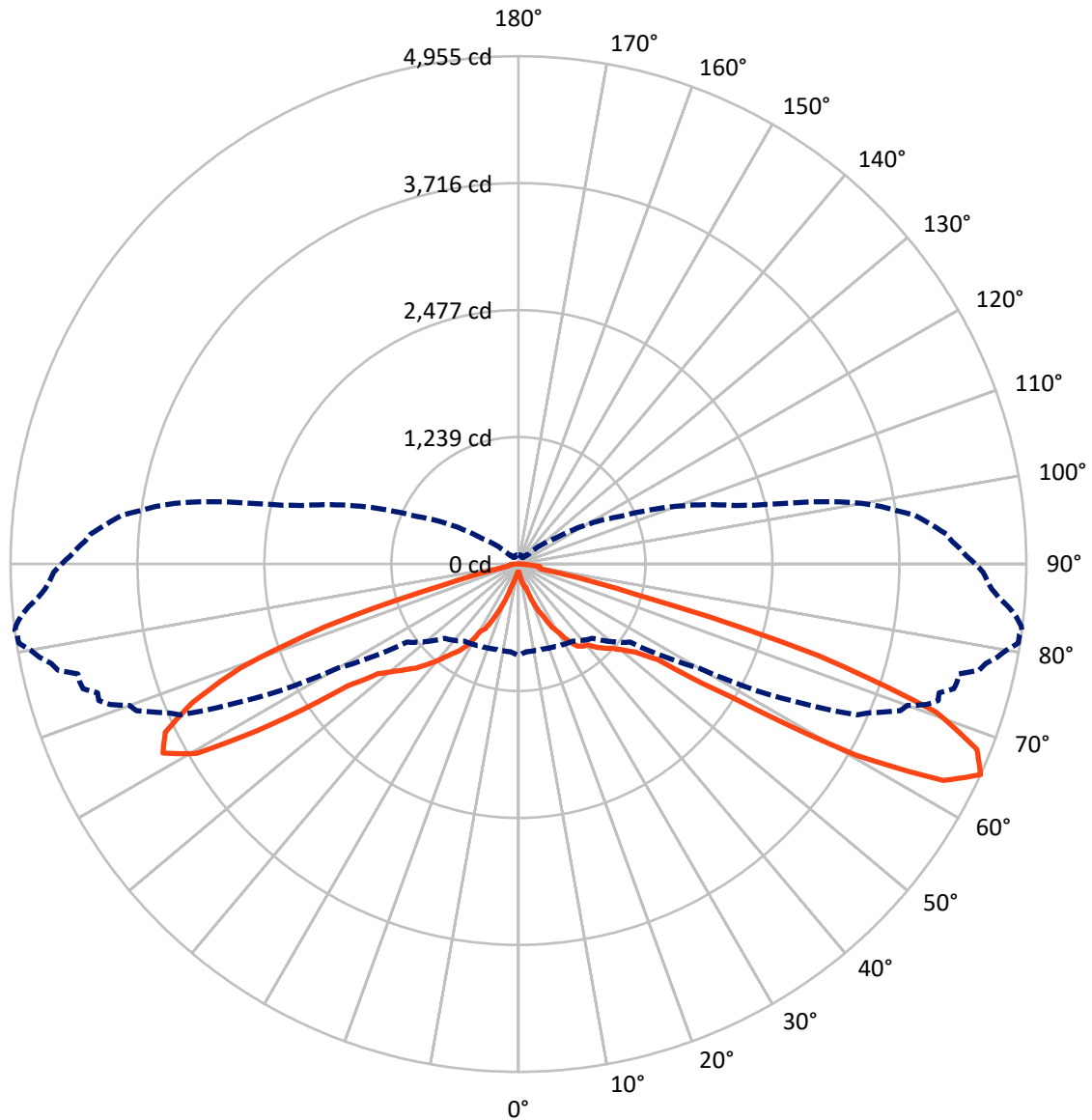


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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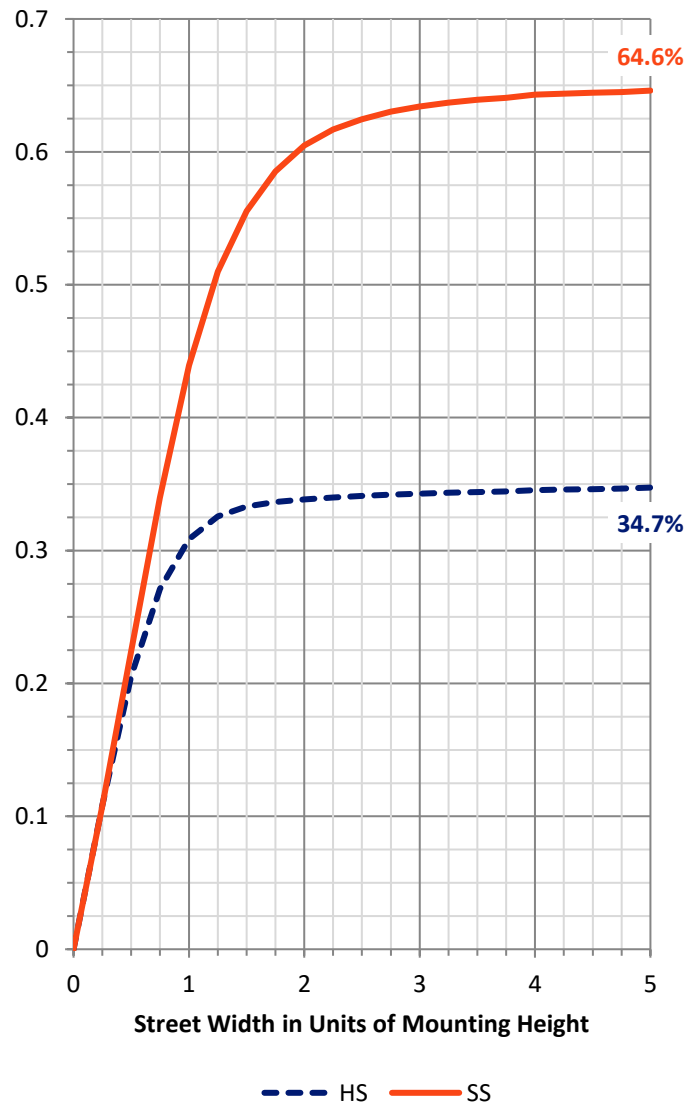
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1723.8	0.0	1723.8
	% Fixture	35.2	0.0	35.2
<b>Street Side</b>	Lumens	3167.7	0.0	3167.7
	% Fixture	64.8	0.0	64.8
<b>Total</b>	Lumens	4891.5	0.0	4891.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.1	0.2
10°-20°	72.2	1.5
20°-30°	241.8	4.9
30°-40°	533.5	10.9
40°-50°	843.2	17.2
50°-60°	1196.2	24.5
60°-70°	1423.1	29.1
70°-80°	481.2	9.8
80°-90°	89.2	1.8
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°	4891.5	100.0
0°-180°	4891.5	100.0

**Coefficient of Utilization**



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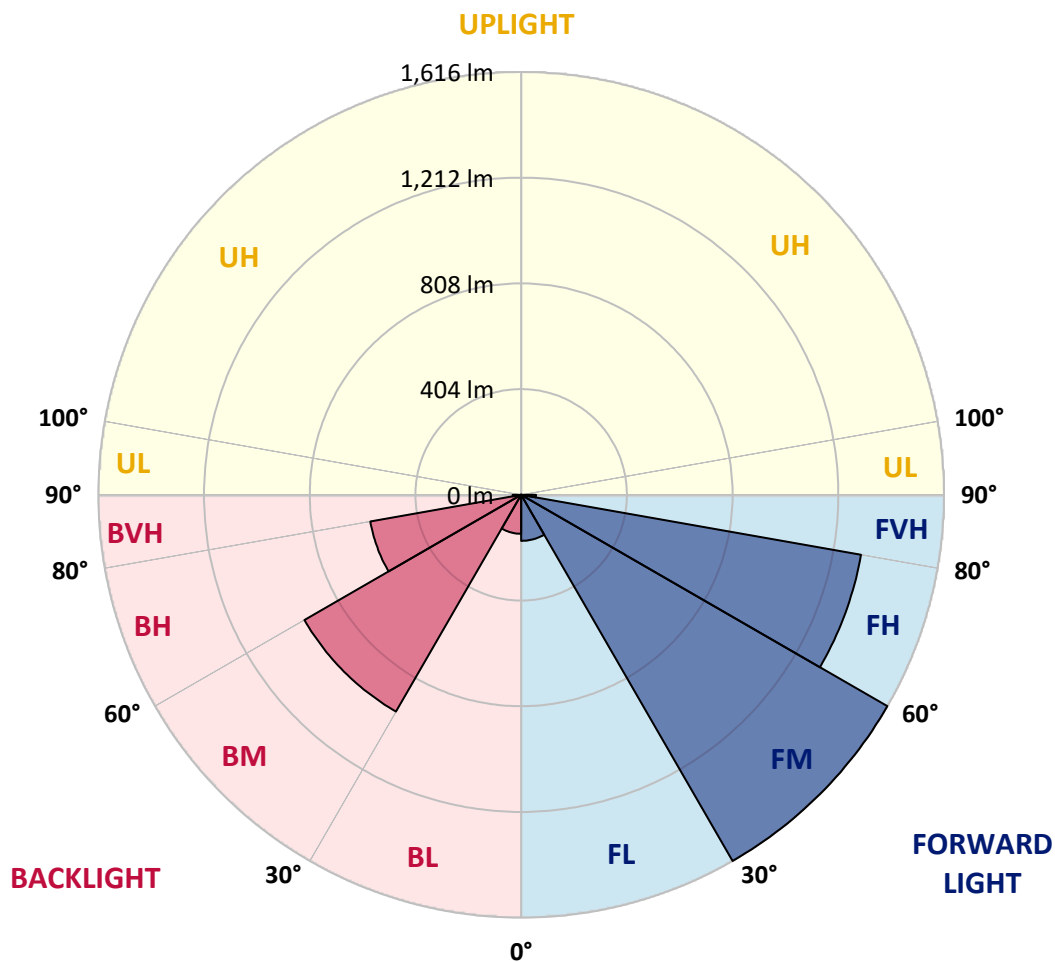
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.0	3.6			
FM	(30°-60°)	1616.2	33.0			
FH	(60°-80°)	1318.9	27.0			G1/1800
FVH	(80°-90°)	56.6	1.2			G1/100
BL	(0°-30°)	149.1	3.0	B1/500		
BM	(30°-60°)	956.6	19.6	B1/1000		
BH	(60°-80°)	585.5	12.0	B2/1000		G2/1000
BVH	(80°-90°)	32.6	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	111.4	111.4	111.4	116.9	130.6	130.6	129.7	130.6	128.8	127.0	124.2
5°	116.0	118.7	116.9	116.0	114.2	113.3	112.3	111.4	111.4	113.3	117.8
7.5°	177.2	178.1	177.2	179.0	173.5	125.1	116.9	116.0	118.7	119.6	117.8
10°	211.0	197.3	192.7	189.1	184.5	176.3	175.4	170.8	169.0	168.1	163.5
12.5°	269.4	269.4	267.6	255.7	243.9	237.5	243.0	230.2	228.3	222.9	206.4
15°	355.3	354.4	294.1	280.4	315.1	299.6	253.0	267.6	282.2	280.4	281.3
17.5°	380.0	380.0	375.4	360.8	339.8	318.8	342.5	299.6	298.7	299.6	304.1
20°	471.3	471.3	453.0	421.1	401.9	380.9	367.2	401.0	390.0	381.8	375.4
22.5°	474.9	474.9	462.2	486.8	453.0	432.9	469.5	476.8	485.9	486.8	476.8
25°	548.9	549.8	537.0	500.5	506.0	495.9	516.0	565.4	565.4	557.1	580.9
27.5°	626.6	627.5	548.0	563.5	545.3	581.8	635.7	660.4	642.1	648.5	650.3
30°	663.1	664.0	659.4	654.0	632.0	646.7	674.1	696.9	708.8	752.6	738.9
32.5°	818.4	819.3	790.0	722.5	735.2	762.6	774.5	780.0	793.7	801.0	801.0
35°	1002.9	1000.1	947.1	887.8	849.4	843.9	858.5	905.1	928.9	906.0	916.1
37.5°	1150.8	1138.0	1078.7	1040.3	999.2	988.2	1000.1	993.7	995.6	966.3	966.3
40°	1253.1	1254.0	1221.1	1188.3	1126.2	1145.3	1112.5	1103.3	1078.7	1073.2	1049.4
42.5°	1360.9	1365.5	1323.4	1282.3	1223.9	1276.0	1246.7	1233.0	1178.2	1193.7	1163.6
45°	1473.2	1476.9	1428.5	1371.9	1320.7	1400.2	1393.8	1370.9	1342.6	1345.4	1313.4
47.5°	1556.3	1563.7	1508.9	1442.2	1407.5	1501.5	1533.5	1531.7	1528.0	1502.5	1489.7
50°	1604.8	1609.3	1549.0	1499.7	1456.8	1577.4	1677.8	1694.3	1723.5	1673.3	1707.1
52.5°	1620.3	1623.0	1562.7	1508.9	1467.8	1619.4	1787.4	1877.8	1898.9	1889.7	1942.7
55°	1577.4	1581.0	1536.3	1487.8	1451.3	1625.8	1875.1	2051.4	2064.2	2090.7	2196.6
57.5°	1507.0	1505.2	1496.1	1444.9	1441.3	1620.3	1948.2	2272.4	2279.7	2408.5	2598.5
60°	1416.6	1420.3	1415.7	1389.2	1405.6	1561.8	1932.6	2396.6	2481.6	2679.8	2980.3
62.5°	1275.0	1281.4	1262.3	1225.7	1238.5	1360.0	1750.0	2339.1	2537.3	2794.9	3160.2
65°	891.4	859.5	861.3	883.2	920.7	1024.8	1329.8	2025.8	2338.2	2638.7	3120.0
67.5°	513.3	522.4	521.5	543.4	589.1	671.3	850.3	1356.3	1638.6	1987.5	2592.1
70°	394.6	394.6	407.4	436.6	464.9	559.9	611.0	734.3	864.0	1098.8	1659.6
72.5°	296.8	295.9	307.8	335.2	391.8	512.4	715.2	507.8	525.2	570.8	897.8
75°	172.6	168.1	172.6	191.8	239.3	382.7	723.4	565.4	539.8	506.9	564.5
77.5°	89.5	89.5	94.1	98.6	122.4	196.4	521.5	690.5	668.6	612.9	575.4
80°	51.1	53.0	56.6	56.6	59.4	81.3	226.5	675.9	746.2	763.6	748.9
82.5°	25.6	29.2	40.2	40.2	39.3	41.1	84.9	396.4	539.8	669.5	902.4
85°	14.6	15.5	26.5	29.2	28.3	24.7	39.3	177.2	237.5	345.2	516.0
87.5°	5.5	8.2	12.8	14.6	16.4	12.8	22.8	50.2	67.6	93.2	114.2
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°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	124.2	119.6	121.5	116.9	108.7	105.0	104.1	103.2	102.3	96.8	96.8
5°	121.5	122.4	125.1	126.0	126.0	127.0	128.8	127.9	128.8	127.0	126.0
7.5°	116.0	113.3	110.5	108.7	108.7	108.7	108.7	109.6	113.3	118.7	121.5
10°	162.6	162.6	163.5	161.7	164.4	163.5	163.5	162.6	162.6	163.5	163.5
12.5°	180.8	175.4	174.4	172.6	173.5	172.6	173.5	178.1	177.2	178.1	176.3
15°	286.8	285.9	285.0	280.4	265.8	253.0	250.3	248.4	238.4	234.7	232.9
17.5°	303.2	298.7	303.2	301.4	296.8	292.3	288.6	281.3	260.3	260.3	257.6
20°	381.8	392.7	396.4	416.5	413.7	421.1	421.1	418.3	419.2	416.5	405.5
22.5°	464.0	453.0	446.6	456.7	458.5	453.9	464.0	462.2	485.0	474.0	505.1
25°	583.6	607.4	622.0	608.3	601.9	604.6	612.9	602.8	608.3	604.6	606.5
27.5°	651.2	663.1	654.9	654.0	657.6	660.4	648.5	648.5	647.6	670.4	692.3
30°	758.1	748.0	748.0	753.5	761.7	761.7	751.7	748.9	759.0	749.9	760.8
32.5°	798.3	792.8	812.0	875.0	877.7	864.9	865.9	877.7	878.6	891.4	893.3
35°	905.1	920.7	931.6	934.4	923.4	922.5	934.4	940.8	953.5	954.5	965.4
37.5°	977.3	983.7	984.6	980.9	964.5	975.5	981.9	990.1	990.1	999.2	994.6
40°	1057.7	1060.4	1059.5	1030.3	1025.7	1038.5	1042.1	1039.4	1038.5	1040.3	1036.7
42.5°	1162.7	1157.2	1129.8	1107.9	1112.5	1112.5	1107.0	1094.2	1100.6	1086.9	1080.5
45°	1299.7	1286.0	1242.2	1223.0	1223.9	1206.5	1185.5	1182.8	1165.4	1149.0	1164.5
47.5°	1485.1	1442.2	1399.3	1381.9	1363.6	1336.2	1300.6	1286.9	1260.4	1245.8	1247.6
50°	1707.1	1643.1	1614.8	1618.5	1581.9	1530.8	1501.5	1459.5	1411.1	1406.6	1386.5
52.5°	1925.3	1890.6	1898.9	1896.1	1851.4	1803.9	1778.3	1745.4	1692.4	1668.7	1612.1
55°	2150.9	2168.3	2216.7	2214.9	2193.0	2186.6	2173.8	2145.5	2153.7	2093.4	2023.1
57.5°	2582.0	2668.8	2784.8	2829.6	2825.0	2843.3	2888.0	2936.4	2973.9	2926.4	2933.7
60°	3098.1	3280.8	3453.4	3530.1	3659.8	3720.1	3820.5	3951.2	4039.7	3974.0	4087.2
62.5°	3361.1	3623.3	3754.8	3844.3	4016.0	4101.9	4233.4	4381.3	4417.9	4468.1	4594.2
65°	3388.5	3618.7	3713.7	3853.4	3990.4	4037.0	4211.5	4306.4	4292.7	4417.9	4431.6
67.5°	2977.5	3173.9	3324.6	3530.1	3634.2	3742.0	3886.3	3904.6	3962.1	4063.5	3992.3
70°	2115.3	2433.2	2636.8	2874.3	3038.7	3212.3	3349.3	3361.1	3454.3	3486.3	3449.7
72.5°	1144.4	1455.0	1699.7	1992.0	2184.7	2382.9	2507.1	2579.3	2615.8	2567.4	2658.8
75°	644.8	771.8	929.8	1081.4	1233.9	1309.7	1367.3	1394.7	1334.4	1316.1	1314.3
77.5°	545.3	538.9	551.7	524.3	531.6	512.4	516.0	469.5	437.5	460.3	458.5
80°	669.5	609.2	538.9	443.9	380.0	323.3	291.4	282.2	294.1	325.2	347.1
82.5°	889.6	878.6	762.6	641.2	538.9	431.1	348.9	301.4	306.9	327.9	368.1
85°	611.0	637.5	565.4	529.7	435.7	365.3	301.4	242.0	221.9	211.9	201.9
87.5°	123.3	107.8	96.8	91.3	79.5	70.3	63.0	57.5	58.5	54.8	53.9
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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**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	91.3	86.8	87.7	84.9	83.1	82.2	84.9	84.9	84.0	83.1	79.5
5°	124.2	123.3	119.6	115.1	109.6	99.6	94.1	89.5	86.8	85.9	84.0
7.5°	123.3	122.4	121.5	121.5	121.5	120.6	120.6	117.8	115.1	106.9	88.6
10°	163.5	168.1	178.1	183.6	183.6	182.7	177.2	176.3	175.4	174.4	167.1
12.5°	176.3	171.7	171.7	172.6	179.0	185.4	189.1	187.2	187.2	187.2	184.5
15°	232.0	232.0	231.1	231.1	231.1	232.9	232.0	237.5	241.1	239.3	240.2
17.5°	257.6	261.2	259.4	259.4	253.9	243.9	263.0	240.2	239.3	269.4	295.0
20°	390.0	389.1	383.6	381.8	378.1	376.3	379.0	380.0	380.9	380.0	385.4
22.5°	502.3	486.8	474.9	472.2	484.1	488.6	483.2	484.1	480.4	481.3	473.1
25°	611.0	597.3	611.0	596.4	586.4	576.3	575.4	569.9	577.2	580.9	591.9
27.5°	707.8	715.2	714.2	722.5	709.7	698.7	699.6	695.1	703.3	712.4	702.4
30°	762.6	769.0	765.4	755.3	759.9	762.6	780.0	777.3	773.6	753.5	744.4
32.5°	900.6	897.8	890.5	896.9	917.9	928.9	901.5	895.1	896.0	907.9	900.6
35°	959.9	959.9	961.8	990.1	997.4	977.3	976.4	981.9	993.7	971.8	959.0
37.5°	990.1	996.5	1021.1	1028.4	1006.5	1006.5	1023.0	1018.4	1008.3	1005.6	1017.5
40°	1034.8	1061.3	1069.5	1047.6	1048.5	1064.1	1047.6	1035.7	1044.0	1071.4	1072.3
42.5°	1105.2	1116.1	1093.3	1089.6	1111.5	1092.4	1092.4	1108.8	1118.9	1117.0	1127.1
45°	1173.7	1153.6	1139.9	1160.0	1146.3	1130.7	1167.3	1170.9	1170.9	1181.0	1195.6
47.5°	1238.5	1205.6	1219.3	1211.1	1181.0	1223.0	1231.2	1230.3	1235.8	1253.1	1248.5
50°	1334.4	1311.6	1307.0	1265.0	1290.6	1307.0	1306.1	1317.1	1327.1	1321.6	1361.8
52.5°	1530.8	1522.6	1445.8	1420.3	1433.0	1418.4	1433.0	1425.7	1424.8	1458.6	1461.4
55°	1956.4	1909.8	1775.6	1770.1	1700.7	1643.1	1662.3	1644.0	1652.3	1674.2	1689.7
57.5°	2930.9	2793.0	2755.6	2736.4	2600.3	2445.0	2428.6	2450.5	2447.8	2413.1	2470.6
60°	4089.1	3992.3	4095.5	4020.6	3914.6	3863.5	3788.6	3785.8	3753.9	3727.4	3667.1
62.5°	4512.9	4635.3	4732.1	4735.7	4759.5	4733.0	4695.5	4650.8	4657.2	4583.2	4559.4
65°	4430.7	4611.5	4661.7	4760.4	4834.4	4936.7	4938.5	4954.9	4940.3	4881.9	4799.7
67.5°	4156.7	4243.4	4299.1	4416.0	4563.1	4698.3	4808.8	4825.2	4835.3	4801.5	4680.0
70°	3609.6	3646.1	3724.6	3842.5	4020.6	4154.8	4305.5	4321.1	4353.0	4317.4	4232.5
72.5°	2672.5	2661.5	2702.6	2783.9	2867.9	2961.1	3057.0	3063.4	3133.7	3063.4	2965.6
75°	1242.2	1210.2	1183.7	1179.1	1189.2	1216.6	1213.8	1177.3	1167.3	1084.1	1024.8
77.5°	425.6	414.7	392.7	358.9	320.6	274.0	240.2	223.8	208.2	185.4	177.2
80°	375.4	400.0	397.3	370.8	326.1	273.1	222.9	198.2	177.2	142.5	128.8
82.5°	432.9	487.7	528.8	500.5	430.2	349.8	253.9	211.9	173.5	117.8	95.9
85°	207.3	204.6	224.7	190.9	180.8	132.4	99.6	84.0	76.7	63.0	58.5
87.5°	54.8	55.7	57.5	57.5	55.7	52.1	51.1	49.3	48.4	44.8	42.0
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-E02-LED-E-U-T2-7030

**CANDELA DISTRIBUTION (continued):**

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	79.5	78.5	78.5	77.6	77.6	77.6	77.6	77.6	76.7	76.7	76.7
5°	84.9	84.9	84.0	81.3	79.5	79.5	78.5	78.5	77.6	77.6	77.6
7.5°	81.3	80.4	79.5	80.4	82.2	83.1	83.1	82.2	81.3	82.2	82.2
10°	141.6	131.5	128.8	127.9	126.0	126.0	125.1	123.3	120.6	119.6	119.6
12.5°	179.9	146.1	141.6	140.7	138.8	137.9	137.0	132.4	130.6	132.4	133.3
15°	239.3	226.5	199.1	200.0	200.9	200.0	200.0	198.2	195.5	192.7	192.7
17.5°	276.7	286.8	253.9	264.0	256.7	264.9	260.3	256.7	262.1	241.1	247.5
20°	382.7	382.7	368.1	346.2	348.9	352.6	357.1	356.2	351.6	343.4	339.8
22.5°	480.4	474.9	480.4	466.7	462.2	468.5	440.2	454.8	450.3	455.8	456.7
25°	596.4	598.2	579.1	562.6	548.9	550.8	561.7	559.0	545.3	549.8	563.5
27.5°	692.3	699.6	713.3	694.1	682.3	678.6	675.0	677.7	696.9	695.1	678.6
30°	753.5	743.5	740.7	749.9	765.4	753.5	769.0	745.3	738.0	760.8	759.9
32.5°	872.2	886.9	900.6	897.8	899.7	916.1	907.0	908.8	902.4	896.0	908.8
35°	974.5	975.5	966.3	979.1	975.5	980.0	991.9	992.8	996.5	994.6	995.6
37.5°	1016.6	1023.9	1027.5	1004.7	1029.3	1031.2	1042.1	1051.3	1069.5	1083.2	1089.6
40°	1084.1	1079.6	1071.4	1096.0	1073.2	1087.8	1114.3	1131.6	1151.7	1179.1	1188.3
42.5°	1138.0	1138.0	1152.6	1146.3	1174.6	1169.1	1199.2	1228.5	1254.0	1260.4	1309.7
45°	1196.5	1223.9	1226.6	1241.2	1259.5	1293.3	1296.0	1319.8	1348.1	1383.7	1400.2
47.5°	1285.1	1287.8	1321.6	1340.8	1366.4	1395.6	1412.0	1420.3	1455.9	1485.1	1503.4
50°	1359.1	1405.6	1425.7	1456.8	1490.6	1505.2	1530.8	1550.9	1564.6	1583.7	1595.6
52.5°	1497.0	1528.0	1572.8	1602.9	1636.7	1661.4	1683.3	1719.8	1720.8	1718.9	1731.7
55°	1727.1	1791.1	1861.4	1884.2	1949.1	1980.1	2018.5	2040.4	2073.3	2040.4	2048.6
57.5°	2511.7	2614.0	2670.6	2746.4	2805.8	2850.6	2861.5	2888.0	2935.5	2930.0	2899.9
60°	3734.7	3746.6	3791.3	3848.9	3845.2	3897.3	3864.4	3904.6	3833.3	3825.1	3751.1
62.5°	4516.5	4492.8	4488.2	4481.8	4460.8	4422.4	4373.1	4333.8	4270.8	4179.5	4116.5
65°	4698.3	4624.3	4574.1	4534.8	4457.1	4374.9	4309.2	4236.1	4184.1	4089.1	3994.1
67.5°	4556.7	4466.3	4375.9	4258.0	4173.1	4071.7	3974.0	3910.1	3814.2	3761.2	3606.8
70°	4133.8	3971.2	3819.6	3667.1	3593.1	3457.0	3365.7	3319.1	3223.2	3164.8	3050.6
72.5°	2888.0	2756.5	2535.5	2419.5	2394.8	2296.2	2256.0	2234.1	2187.5	2134.5	2075.1
75°	975.5	930.7	875.0	762.6	793.7	749.9	721.5	762.6	747.1	748.0	718.8
77.5°	170.8	165.3	158.0	149.8	147.0	149.8	146.1	151.6	152.5	155.3	152.5
80°	122.4	116.0	111.4	107.8	105.0	105.9	103.2	104.1	103.2	104.1	103.2
82.5°	87.7	84.0	79.5	76.7	75.8	76.7	74.9	77.6	79.5	82.2	84.9
85°	54.8	53.9	51.1	50.2	50.2	49.3	50.2	53.9	57.5	62.1	64.8
87.5°	39.3	39.3	37.4	39.3	39.3	41.1	43.8	48.4	53.0	57.5	63.0
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):**

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	75.8	75.8	76.7	76.7
5°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	80.4	120.6
7.5°	81.3	81.3	81.3	80.4	80.4	80.4	81.3	82.2	81.3	115.1	78.5
10°	121.5	123.3	125.1	124.2	125.1	126.0	127.0	127.0	138.8	122.4	84.0
12.5°	134.3	134.3	135.2	134.3	133.3	146.1	172.6	172.6	173.5	135.2	134.3
15°	190.0	187.2	190.0	198.2	223.8	227.4	228.3	227.4	216.5	201.9	193.6
17.5°	228.3	217.4	229.3	250.3	227.4	226.5	212.8	202.8	206.4	252.1	261.2
20°	345.2	358.0	364.4	375.4	367.2	345.2	337.0	337.9	336.1	344.3	291.4
22.5°	451.2	467.6	465.8	461.2	448.5	462.2	467.6	432.9	426.5	453.9	470.4
25°	586.4	578.2	580.0	570.8	566.3	568.1	573.6	600.1	599.2	649.4	523.3
27.5°	700.5	711.5	704.2	705.1	721.5	710.6	728.9	728.9	766.3	709.7	701.5
30°	748.0	759.0	780.0	785.5	801.9	812.0	810.1	816.5	819.3	857.6	765.4
32.5°	933.4	922.5	938.9	963.6	972.7	980.9	1006.5	1003.8	989.2	949.9	874.1
35°	1018.4	1042.1	1042.1	1044.9	1085.1	1087.8	1085.1	1100.6	1088.7	1063.1	921.6
37.5°	1102.4	1111.5	1140.8	1145.3	1138.9	1169.1	1170.0	1161.8	1173.7	1127.1	1009.3
40°	1202.0	1214.8	1219.3	1244.9	1232.1	1228.5	1263.2	1250.4	1242.2	1185.5	1035.7
42.5°	1315.2	1311.6	1318.9	1320.7	1334.4	1319.8	1318.9	1347.2	1325.3	1233.9	1033.0
45°	1429.4	1413.9	1406.6	1407.5	1405.6	1413.0	1390.1	1405.6	1408.4	1259.5	1009.3
47.5°	1501.5	1521.6	1503.4	1487.8	1477.8	1478.7	1471.4	1435.8	1464.1	1267.7	971.8
50°	1613.9	1612.1	1610.2	1575.5	1565.5	1546.3	1537.2	1511.6	1491.5	1241.2	930.7
52.5°	1739.9	1736.3	1740.8	1710.7	1672.3	1648.6	1621.2	1597.4	1550.9	1214.8	885.0
55°	2051.4	2043.2	2018.5	2010.3	1940.0	1879.7	1804.8	1759.1	1718.0	1212.9	832.1
57.5°	2890.8	2853.3	2789.4	2740.1	2607.6	2480.7	2363.8	2230.4	2138.2	1314.3	791.9
60°	3665.3	3617.8	3535.6	3376.7	3238.7	3015.9	2804.0	2628.6	2467.9	1421.2	746.2
62.5°	3977.6	3878.1	3756.6	3599.5	3364.8	3149.2	2859.7	2656.9	2454.2	1358.2	630.2
65°	3900.0	3732.9	3584.0	3407.7	3183.0	2913.6	2618.6	2374.7	2198.4	1096.9	437.5
67.5°	3530.1	3376.7	3227.8	3020.4	2772.0	2471.5	2218.5	1966.4	1808.4	780.9	243.9
70°	2954.7	2837.8	2656.9	2456.0	2230.4	1957.3	1699.7	1480.5	1323.4	476.8	118.7
72.5°	2031.3	1931.7	1855.9	1685.1	1456.8	1210.2	1065.0	894.2	800.1	243.9	78.5
75°	734.3	742.6	684.1	654.0	579.1	466.7	411.0	346.2	302.3	110.5	77.6
77.5°	170.8	168.1	177.2	181.8	169.0	154.4	138.8	127.9	119.6	86.8	82.2
80°	104.1	103.2	102.3	101.4	100.5	99.6	98.6	96.8	95.0	84.9	83.1
82.5°	86.8	87.7	87.7	87.7	88.6	88.6	89.5	89.5	88.6	84.9	84.0
85°	67.6	70.3	73.1	75.8	79.5	83.1	84.9	85.9	85.9	83.1	83.1
87.5°	67.6	71.2	75.8	81.3	86.8	91.3	95.0	96.8	96.8	84.0	82.2
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):**

	135°	145°	155°	165°	175°	180°
0°	78.5	78.5	78.5	78.5	78.5	78.5
2.5°	81.3	79.5	80.4	86.8	83.1	81.3
5°	122.4	95.0	79.5	78.5	77.6	76.7
7.5°	81.3	81.3	83.1	103.2	114.2	120.6
10°	91.3	130.6	137.0	134.3	135.2	133.3
12.5°	184.5	138.8	145.2	163.5	190.0	190.0
15°	200.0	243.9	198.2	200.0	197.3	197.3
17.5°	262.1	260.3	211.0	254.8	258.5	258.5
20°	331.5	300.5	312.4	274.0	269.4	268.5
22.5°	358.0	370.8	330.6	336.1	336.1	334.3
25°	476.8	417.4	390.0	347.1	385.4	377.2
27.5°	555.3	462.2	456.7	410.1	404.6	401.0
30°	658.5	579.1	487.7	466.7	465.8	462.2
32.5°	715.2	603.7	527.9	481.3	515.1	513.3
35°	779.1	629.3	559.0	524.3	500.5	496.9
37.5°	782.7	640.3	541.6	532.5	525.2	522.4
40°	792.8	618.3	539.8	531.6	524.3	521.5
42.5°	763.6	588.2	513.3	483.2	469.5	465.8
45°	723.4	541.6	458.5	424.7	408.3	404.6
47.5°	675.9	499.6	400.0	369.0	346.2	339.8
50°	626.6	444.8	342.5	305.1	283.1	275.8
52.5°	572.7	375.4	278.6	246.6	223.8	219.2
55°	507.8	302.3	217.4	195.5	181.8	178.1
57.5°	423.8	227.4	166.2	156.2	149.8	148.0
60°	325.2	159.8	125.1	127.9	125.1	127.0
62.5°	222.9	105.9	95.9	104.1	105.0	105.0
65°	129.7	76.7	77.6	87.7	88.6	89.5
67.5°	79.5	63.9	67.6	77.6	78.5	78.5
70°	66.7	59.4	63.0	73.1	74.0	74.0
72.5°	64.8	59.4	61.2	71.2	72.2	73.1
75°	65.8	58.5	61.2	71.2	70.3	69.4
77.5°	67.6	58.5	60.3	71.2	72.2	67.6
80°	66.7	56.6	57.5	75.8	73.1	62.1
82.5°	63.9	53.0	51.1	80.4	64.8	55.7
85°	59.4	47.5	42.0	87.7	63.9	40.2
87.5°	33.8	39.3	31.1	76.7	58.5	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)