

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: P157045

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157045
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4368.3 lumens
Efficiency: N/A
Efficacy: 79.4 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

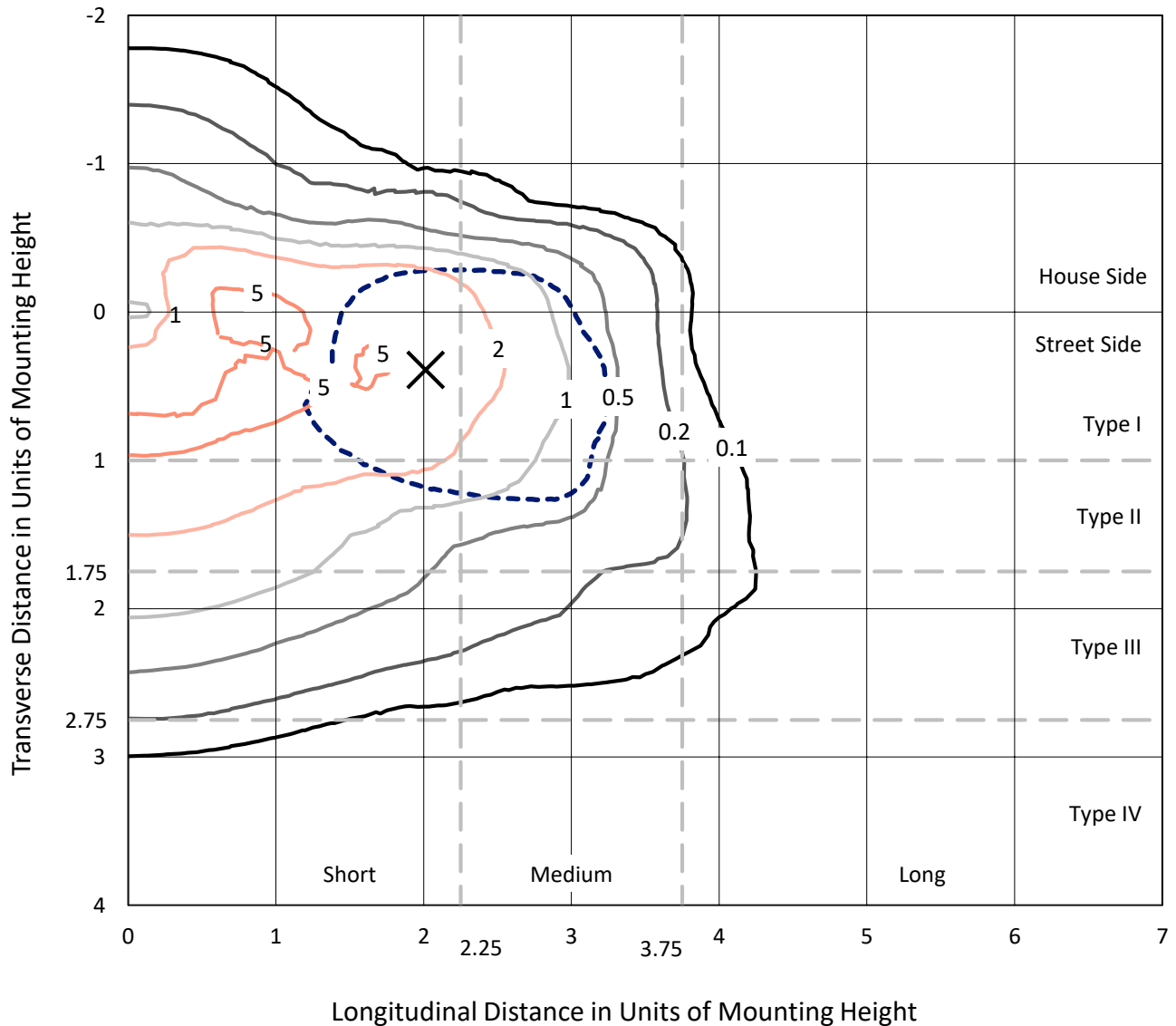
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

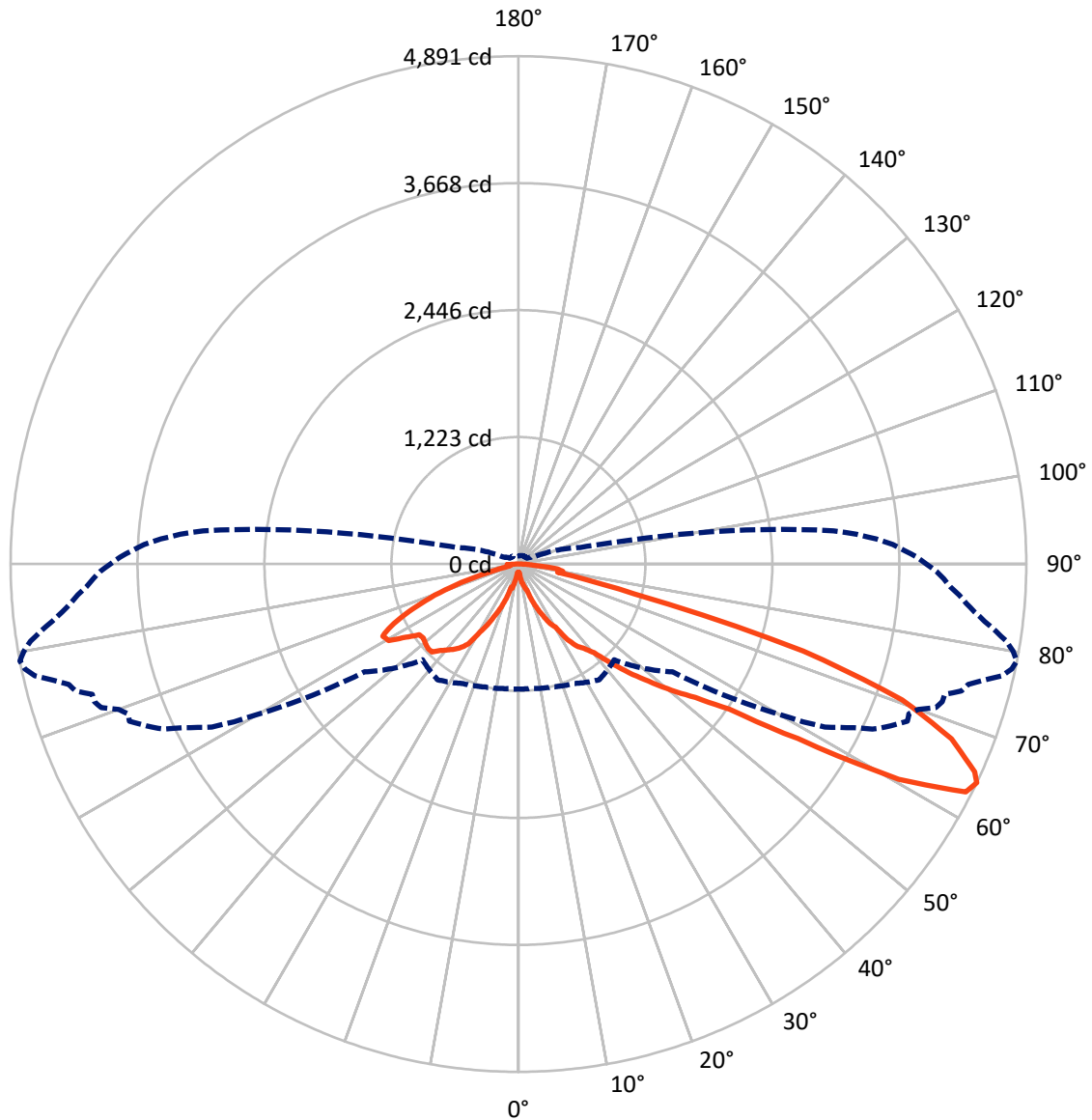


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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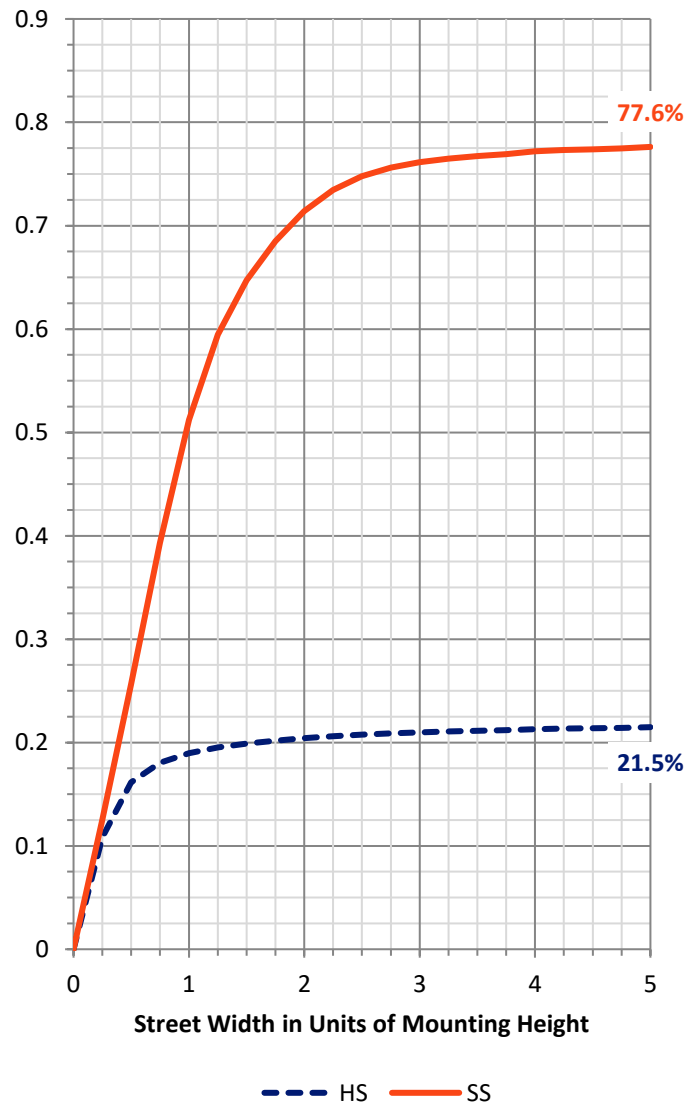
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.6	0.0	959.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3408.7	0.0	3408.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	4368.3	0.0	4368.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.3
10°-20°	63.8	1.5
20°-30°	186.8	4.3
30°-40°	408.2	9.3
40°-50°	742.4	17.0
50°-60°	1036.8	23.7
60°-70°	1303.6	29.8
70°-80°	505.4	11.6
80°-90°	110.3	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°	4368.3	100.0
0°-180°	4368.3	100.0



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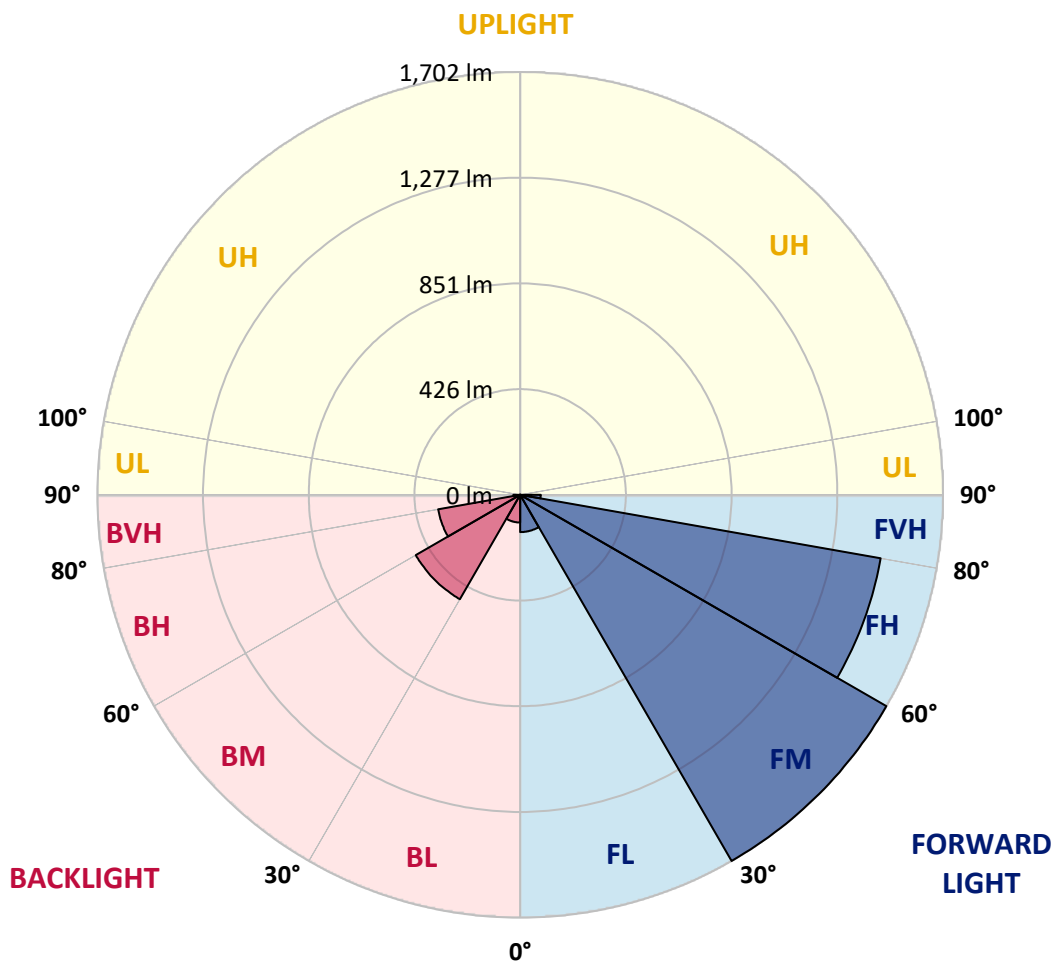
CATALOG NUMBER: UTLD-F02-LED-E-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.1	3.4			
FM	(30°-60°)	1702.2	39.0			
FH	(60°-80°)	1473.6	33.7			G1/1800
FVH	(80°-90°)	82.8	1.9			G1/100
BL	(0°-30°)	111.5	2.6	B1/500		
BM	(30°-60°)	485.2	11.1	B1/1000		
BH	(60°-80°)	335.5	7.7	B1/500		G1/500
BVH	(80°-90°)	27.5	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°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2.5°	128.0	127.1	128.8	128.8	128.8	127.1	113.9	97.4	96.6	94.1	91.6
5°	105.7	105.7	105.7	106.5	107.3	109.0	115.6	123.8	128.0	128.8	129.6
7.5°	154.4	156.0	156.0	156.0	129.6	111.4	110.6	112.3	110.6	109.0	106.5
10°	158.5	159.3	159.3	161.0	161.8	159.3	136.2	154.4	154.4	155.2	156.0
12.5°	217.1	218.8	217.9	210.5	171.7	210.5	220.4	206.4	192.3	177.5	168.4
15°	230.3	233.6	227.0	220.4	262.5	246.8	232.8	268.3	268.3	270.8	278.2
17.5°	297.2	298.0	293.1	284.8	272.4	279.0	284.8	284.0	288.9	293.1	290.6
20°	356.6	349.2	307.1	329.4	325.3	322.8	323.6	352.5	355.0	356.6	364.1
22.5°	376.4	376.4	359.1	377.3	359.9	364.1	397.1	435.9	434.2	427.6	417.7
25°	459.0	460.6	421.0	390.5	398.7	408.6	428.4	487.9	480.5	488.7	492.8
27.5°	496.1	499.4	463.9	455.7	415.2	459.8	530.0	546.5	552.3	562.2	562.2
30°	596.0	597.7	574.6	509.3	495.3	501.1	572.9	596.9	605.1	615.8	656.3
32.5°	747.1	747.9	692.6	584.5	557.2	578.7	663.7	691.0	706.6	691.8	709.1
35°	988.2	980.7	877.5	790.0	722.3	668.7	752.9	848.6	838.7	841.2	849.5
37.5°	1148.3	1158.2	1126.0	1026.1	979.1	904.8	955.1	967.5	948.5	963.4	968.3
40°	1275.4	1289.5	1276.3	1226.7	1181.3	1148.3	1209.4	1166.5	1139.2	1141.7	1122.7
42.5°	1323.3	1339.0	1352.2	1381.1	1369.5	1405.0	1490.1	1428.2	1423.2	1399.3	1353.0
45°	1356.3	1371.2	1414.1	1471.9	1490.1	1583.4	1730.3	1705.5	1723.7	1671.7	1643.6
47.5°	1362.9	1377.0	1425.7	1516.5	1566.8	1702.2	1929.3	1954.0	1968.1	1940.0	1933.4
50°	1305.2	1316.7	1368.7	1476.9	1550.3	1754.2	2061.3	2152.1	2164.5	2172.0	2177.7
52.5°	1215.2	1229.2	1277.9	1369.5	1462.8	1730.3	2133.2	2308.2	2323.0	2355.2	2394.0
55°	1179.7	1191.2	1221.8	1296.1	1367.1	1632.1	2169.5	2440.3	2464.2	2520.3	2587.2
57.5°	1174.7	1186.3	1213.5	1238.3	1316.7	1517.3	2185.2	2589.7	2664.0	2754.8	2862.9
60°	1217.6	1222.6	1235.0	1235.8	1272.1	1429.8	2137.3	2773.8	2922.4	3055.3	3225.3
62.5°	1246.5	1250.7	1269.7	1304.3	1294.4	1342.3	1975.5	2893.5	3114.7	3311.2	3531.6
64°	1204.4	1204.4	1226.7	1269.7	1359.6	1305.2	1811.2	2889.3	3132.0	3342.6	3593.5
65°	1156.6	1155.7	1176.4	1211.0	1348.9	1299.4	1692.3	2820.0	3071.0	3282.3	3553.9
67.5°	939.4	907.3	926.2	970.0	1137.6	1312.6	1396.8	2372.6	2630.1	2885.2	3198.1
70°	486.2	503.6	513.5	586.1	786.7	1129.3	1172.2	1676.6	1969.7	2224.0	2655.7
72.5°	205.6	192.3	216.3	267.5	413.6	799.9	1078.1	1164.8	1317.5	1519.8	1978.0
75°	111.4	112.3	117.2	132.9	215.5	441.7	993.9	1026.1	1040.2	1073.2	1317.5
77.5°	82.6	82.6	85.0	85.0	112.3	229.5	792.5	970.0	972.5	951.0	1007.1
80°	61.9	65.2	69.3	66.0	70.2	130.4	463.9	880.8	918.0	925.4	971.6
82.5°	51.2	52.8	61.9	59.4	55.3	78.4	217.9	667.0	771.0	832.1	946.1
85°	34.7	37.1	56.1	54.5	50.4	52.8	126.3	216.3	260.9	301.3	383.9
87.5°	14.0	18.2	36.3	33.0	34.7	29.7	77.6	113.9	125.5	142.8	177.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2.5°	90.0	88.3	87.5	85.9	85.0	84.2	85.0	83.4	82.6	83.4	81.7
5°	128.8	128.8	128.0	126.3	125.5	123.8	123.0	116.4	109.0	104.8	98.2
7.5°	107.3	107.3	109.0	113.1	117.2	121.4	123.8	124.7	123.8	124.7	124.7
10°	156.0	158.5	158.5	160.2	160.2	161.0	161.8	163.5	165.1	175.0	182.4
12.5°	167.6	168.4	168.4	169.2	172.5	175.8	175.8	178.3	176.7	175.8	174.2
15°	274.1	269.9	251.0	248.5	247.7	245.2	238.6	236.1	236.1	237.8	236.9
17.5°	293.1	295.5	292.2	288.1	284.0	274.9	259.2	260.9	259.2	260.9	264.2
20°	366.5	359.1	364.1	382.2	394.6	398.7	402.9	405.3	397.1	384.7	383.0
22.5°	413.6	409.5	419.4	422.7	423.5	431.7	433.4	439.2	461.5	457.3	461.5
25°	493.7	536.6	537.4	539.9	544.0	549.0	545.7	553.1	551.5	558.1	558.1
27.5°	574.6	571.3	574.6	577.9	573.7	571.3	579.5	579.5	595.2	586.1	587.8
30°	652.2	654.6	662.1	668.7	673.6	671.2	672.0	683.5	675.3	681.9	691.8
32.5°	706.6	716.6	734.7	739.7	786.7	779.3	799.9	809.8	818.1	831.3	843.7
35°	862.7	870.1	880.0	880.0	875.1	887.4	896.5	903.1	911.4	932.0	925.4
37.5°	970.8	971.6	974.9	953.5	967.5	973.3	973.3	987.3	1002.2	1003.0	988.2
40°	1114.5	1094.6	1086.4	1067.4	1084.7	1060.8	1079.0	1075.7	1086.4	1073.2	1081.4
42.5°	1331.6	1301.9	1255.6	1249.0	1234.2	1221.0	1205.3	1218.5	1195.4	1205.3	1230.9
45°	1607.3	1528.0	1507.4	1485.9	1424.9	1414.9	1407.5	1377.0	1347.3	1379.5	1423.2
47.5°	1895.4	1807.9	1779.8	1739.4	1698.9	1646.9	1616.4	1552.8	1538.0	1578.4	1607.3
50°	2138.1	2071.2	2076.2	2019.2	1968.9	1935.0	1850.8	1787.3	1784.0	1798.0	1784.0
52.5°	2351.1	2337.1	2339.5	2304.0	2270.2	2228.1	2126.6	2088.6	2063.0	2041.5	1984.6
55°	2563.3	2609.5	2605.4	2632.6	2625.2	2594.6	2522.8	2531.1	2521.2	2451.0	2394.0
57.5°	2914.1	2985.1	3029.7	3069.3	3153.5	3144.4	3130.4	3256.7	3251.7	3184.9	3211.3
60°	3373.1	3449.9	3563.0	3664.5	3758.6	3784.2	3864.3	4037.6	4022.8	4030.2	4117.7
62.5°	3719.8	3816.4	3936.9	4055.8	4054.2	4121.0	4282.0	4369.5	4353.0	4471.9	4541.2
64°	3761.9	3864.3	3951.8	4040.9	4028.6	4096.3	4249.8	4291.9	4292.7	4437.2	4484.3
65°	3700.0	3809.0	3872.5	3951.0	3936.1	4010.4	4163.1	4161.5	4185.4	4332.4	4373.6
67.5°	3320.3	3468.0	3520.0	3548.9	3565.4	3676.9	3760.3	3725.6	3828.8	3889.0	3988.9
70°	2800.2	2965.3	3056.1	3068.5	3126.3	3238.5	3299.6	3234.4	3361.5	3321.1	3495.3
72.5°	2208.3	2362.7	2498.9	2513.7	2612.0	2669.7	2664.0	2664.8	2684.6	2621.0	2766.3
75°	1533.8	1651.9	1755.9	1769.1	1821.1	1769.9	1732.0	1656.8	1570.1	1496.7	1487.6
77.5°	1044.3	1083.1	1073.2	1034.4	992.3	925.4	872.6	857.7	802.4	779.3	731.4
80°	967.5	980.7	961.7	959.3	927.9	853.6	815.6	752.9	744.6	717.4	683.5
82.5°	967.5	974.1	977.4	996.4	954.3	897.3	832.1	738.8	706.6	634.0	590.3
85°	459.0	487.1	534.1	575.4	573.7	558.1	486.2	448.3	380.6	326.1	276.6
87.5°	204.7	227.8	254.3	264.2	273.2	264.2	239.4	216.3	177.5	138.7	114.7
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°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2.5°	81.7	81.7	81.7	81.7	80.9	80.9	80.9	80.9	80.9	80.1	80.1
5°	91.6	90.0	86.7	86.7	85.0	84.2	84.2	83.4	83.4	82.6	82.6
7.5°	123.8	123.0	120.5	110.6	95.8	90.0	85.0	85.0	84.2	85.0	86.7
10°	185.7	185.7	184.1	181.6	180.8	177.5	161.0	146.9	137.9	136.2	134.6
12.5°	176.7	180.8	191.5	197.3	197.3	196.5	194.8	189.9	166.8	152.7	149.4
15°	237.8	239.4	240.2	243.5	253.4	255.1	253.4	255.1	253.4	237.8	216.3
17.5°	267.5	261.7	261.7	264.2	274.1	269.1	279.0	308.7	314.5	289.8	292.2
20°	379.7	379.7	381.4	375.6	379.7	387.2	388.0	391.3	397.9	396.3	386.3
22.5°	450.7	445.0	459.0	465.6	468.1	467.2	466.4	464.8	468.1	473.0	468.9
25°	548.1	553.1	553.9	550.6	543.2	539.9	545.7	551.5	568.8	579.5	572.1
27.5°	605.9	620.8	658.8	650.5	645.6	651.3	655.5	669.5	663.7	659.6	671.2
30°	705.8	703.3	695.1	702.5	712.4	724.8	721.5	711.6	706.6	718.2	714.9
32.5°	839.6	829.7	845.3	867.6	883.3	870.1	861.0	872.6	872.6	860.2	874.2
35°	913.9	932.0	956.0	970.8	960.1	960.1	969.2	963.4	967.5	981.5	989.8
37.5°	1003.8	1033.6	1048.4	1033.6	1036.9	1056.7	1057.5	1065.8	1074.0	1089.7	1112.8
40°	1118.6	1133.4	1122.7	1121.9	1146.7	1153.3	1168.1	1197.0	1209.4	1231.7	1241.6
42.5°	1260.6	1264.7	1266.4	1296.1	1300.2	1307.6	1345.6	1372.0	1404.2	1413.3	1400.9
45°	1436.4	1433.9	1471.1	1491.7	1496.7	1548.7	1563.5	1583.4	1604.8	1585.8	1617.2
47.5°	1596.6	1637.0	1684.9	1686.5	1728.6	1762.5	1775.7	1793.9	1776.5	1796.3	1773.2
50°	1785.6	1858.3	1850.8	1911.1	1944.1	1950.7	1978.0	1951.5	1954.8	1935.9	1929.3
52.5°	2021.7	2052.3	2049.0	2133.2	2138.9	2162.0	2142.2	2126.6	2124.1	2099.3	2081.1
55°	2432.0	2391.5	2434.5	2465.8	2482.4	2491.4	2428.7	2455.9	2393.2	2392.4	2349.4
57.5°	3188.2	3180.7	3208.0	3173.3	3217.9	3147.7	3143.6	3088.3	3049.5	3048.7	3023.9
60°	4098.7	4214.3	4240.7	4207.7	4122.7	4089.7	4036.0	3988.9	3920.4	3926.2	3875.0
62.5°	4612.2	4771.5	4813.6	4835.1	4725.3	4675.8	4552.8	4474.3	4368.7	4334.8	4252.3
64°	4621.3	4780.6	4858.2	4891.2	4835.9	4758.3	4641.9	4523.9	4416.6	4328.2	4253.1
65°	4552.8	4689.8	4795.5	4828.5	4824.4	4722.0	4625.4	4485.9	4386.8	4264.7	4187.9
67.5°	4183.8	4305.1	4443.0	4497.5	4553.6	4518.1	4435.5	4300.2	4181.3	4034.3	3927.0
70°	3612.5	3718.2	3841.2	3920.4	3981.5	4011.2	3940.2	3836.2	3746.2	3573.7	3447.4
72.5°	2821.6	2839.0	2863.7	2867.0	2843.1	2831.6	2768.0	2775.4	2610.3	2505.5	2432.8
75°	1401.7	1344.0	1203.6	1151.6	1032.7	962.6	881.7	849.5	765.3	741.3	676.9
77.5°	642.3	562.2	463.9	386.3	322.8	279.0	237.8	208.9	184.9	175.8	162.6
80°	629.0	565.5	489.5	432.6	365.7	305.4	248.5	194.8	156.8	133.7	118.9
82.5°	535.8	461.5	410.3	376.4	334.3	292.2	239.4	193.2	148.6	114.7	93.3
85°	219.6	179.1	151.9	137.9	123.0	108.1	93.3	80.1	71.8	61.1	55.3
87.5°	94.1	82.6	75.9	75.1	71.8	69.3	66.9	63.6	56.1	52.0	47.1
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°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2.5°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
5°	82.6	82.6	81.7	81.7	81.7	81.7	82.6	81.7	81.7	81.7	81.7
7.5°	87.5	87.5	87.5	87.5	87.5	87.5	87.5	88.3	87.5	87.5	88.3
10°	133.7	132.9	129.6	128.8	127.1	127.1	127.1	128.0	131.3	132.9	134.6
12.5°	146.1	147.8	149.4	146.1	147.8	143.6	146.1	147.8	146.9	147.8	146.1
15°	217.9	217.9	217.1	216.3	213.8	211.3	210.5	210.5	208.9	207.2	208.9
17.5°	288.9	288.9	284.8	281.5	281.5	264.2	276.6	272.4	274.9	263.3	294.7
20°	362.4	360.8	363.2	369.0	371.5	367.4	361.6	355.0	353.3	364.1	377.3
22.5°	468.1	464.8	455.7	444.1	442.5	441.7	452.4	452.4	453.2	458.2	466.4
25°	560.5	542.4	534.9	543.2	545.7	534.1	534.1	538.2	560.5	568.8	569.6
27.5°	673.6	667.8	662.9	653.0	648.9	665.4	674.5	664.5	661.2	673.6	673.6
30°	719.9	733.1	732.2	742.1	749.6	728.9	718.2	744.6	742.1	723.2	733.9
32.5°	889.1	895.7	904.8	917.2	908.1	921.3	907.3	896.5	913.9	910.6	898.2
35°	989.0	1007.1	1007.1	1008.0	1032.7	1027.8	1022.0	1018.7	1005.5	1014.6	1020.3
37.5°	1111.2	1099.6	1109.5	1121.9	1126.8	1132.6	1134.3	1138.4	1121.1	1109.5	1093.0
40°	1230.9	1244.9	1232.5	1235.8	1245.7	1244.1	1250.7	1259.8	1235.0	1217.6	1194.5
42.5°	1410.8	1405.9	1402.6	1397.6	1386.1	1397.6	1386.1	1359.6	1365.4	1339.8	1306.8
45°	1599.9	1590.0	1590.8	1575.1	1563.5	1532.2	1523.1	1515.7	1484.3	1465.3	1413.3
47.5°	1774.9	1767.4	1741.0	1746.8	1711.3	1674.2	1651.0	1639.5	1596.6	1545.4	1514.0
50°	1925.1	1905.3	1906.1	1868.2	1842.6	1813.7	1777.4	1732.8	1685.7	1637.8	1570.1
52.5°	2061.3	2059.7	2035.7	2009.3	1971.4	1955.7	1893.8	1830.2	1773.2	1716.3	1640.3
55°	2377.5	2348.6	2298.3	2285.1	2266.9	2172.0	2125.7	2048.1	1959.8	1890.5	1788.9
57.5°	3031.3	2993.4	2933.9	2928.1	2816.7	2740.7	2634.3	2543.4	2422.9	2304.9	2155.4
60°	3811.4	3755.3	3759.4	3673.6	3578.7	3487.8	3354.9	3226.2	3059.4	2857.1	2607.0
62.5°	4178.0	4123.5	4076.4	3979.0	3878.3	3778.4	3668.6	3496.1	3335.1	3099.0	2788.6
64°	4165.6	4098.7	4026.9	3928.7	3837.9	3721.5	3610.0	3453.2	3271.6	3052.8	2725.1
65°	4105.3	4031.0	3938.6	3844.5	3735.5	3627.4	3517.6	3375.6	3175.0	2962.8	2632.6
67.5°	3821.4	3725.6	3626.5	3535.7	3421.0	3313.7	3215.4	3087.5	2879.4	2651.6	2355.2
70°	3354.1	3236.1	3127.1	3068.5	2985.1	2889.3	2770.5	2663.1	2470.8	2244.6	1975.5
72.5°	2303.2	2167.0	2091.1	2115.8	2032.4	2002.7	1974.7	1890.5	1722.0	1559.4	1386.9
75°	720.7	666.2	629.9	674.5	643.9	693.4	677.8	662.9	618.3	599.3	539.1
77.5°	163.5	156.0	152.7	151.1	151.9	151.1	148.6	147.8	145.3	146.9	142.8
80°	113.1	108.1	106.5	104.0	102.4	99.9	97.4	96.6	95.8	94.1	93.3
82.5°	81.7	75.1	74.3	72.6	71.8	70.2	69.3	71.0	70.2	72.6	72.6
85°	52.8	49.5	47.9	48.7	47.9	49.5	50.4	52.0	54.5	57.0	61.1
87.5°	43.8	41.3	41.3	42.1	43.8	45.4	49.5	54.5	58.6	65.2	72.6
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°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2.5°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	81.7	82.6	86.7
5°	81.7	82.6	81.7	82.6	82.6	82.6	83.4	83.4	104.8	127.1	89.2
7.5°	87.5	88.3	87.5	86.7	85.9	85.0	89.2	93.3	117.2	83.4	81.7
10°	135.4	136.2	137.0	145.3	157.7	175.0	178.3	178.3	129.6	113.1	127.1
12.5°	146.1	151.9	176.7	185.7	185.7	185.7	184.1	174.2	137.0	179.1	178.3
15°	223.7	241.9	242.7	243.5	242.7	227.0	212.2	208.0	213.8	192.3	183.3
17.5°	286.5	253.4	276.6	231.1	217.9	221.2	224.5	229.5	260.9	243.5	225.4
20°	383.9	384.7	361.6	353.3	347.5	346.7	348.4	351.7	331.9	273.2	251.8
22.5°	458.2	445.8	449.9	455.7	450.7	439.2	434.2	428.4	392.9	360.8	265.8
25°	550.6	548.1	542.4	541.5	553.9	561.4	555.6	547.3	491.2	362.4	284.0
27.5°	672.0	676.9	675.3	657.9	649.7	661.2	649.7	624.9	550.6	449.9	293.1
30°	734.7	746.3	752.1	751.2	731.4	731.4	725.6	742.1	605.9	438.4	300.5
32.5°	904.8	905.6	903.1	903.9	900.6	872.6	843.7	828.0	597.7	448.3	286.5
35°	998.1	990.6	992.3	975.8	956.0	935.3	904.8	866.8	639.8	411.1	252.6
37.5°	1098.8	1071.5	1042.6	1028.6	999.7	974.9	951.8	906.4	619.1	380.6	216.3
40°	1168.9	1160.7	1106.2	1070.7	1050.9	1012.1	972.5	943.6	580.3	316.2	183.3
42.5°	1252.3	1216.8	1191.2	1121.9	1077.3	1046.8	990.6	937.8	519.3	255.9	159.3
45°	1356.3	1287.8	1232.5	1187.9	1094.6	1036.9	984.0	920.5	441.7	208.9	144.5
47.5°	1439.7	1365.4	1270.5	1192.1	1115.3	1001.4	941.1	867.6	368.2	180.0	134.6
50°	1510.7	1405.9	1298.6	1177.2	1078.1	960.1	863.5	804.9	303.8	156.8	123.0
52.5°	1553.6	1437.2	1305.2	1159.9	1020.3	911.4	804.9	721.5	255.1	140.3	111.4
55°	1645.3	1516.5	1346.4	1172.2	1004.7	871.8	774.3	672.0	226.2	125.5	102.4
57.5°	1954.0	1735.3	1523.9	1292.8	1088.9	918.0	800.8	690.1	210.5	114.7	94.9
60°	2346.1	2049.0	1747.6	1450.4	1198.7	993.1	833.0	717.4	194.0	108.1	90.8
62.5°	2473.3	2129.0	1783.1	1479.3	1191.2	970.8	804.9	677.8	170.1	103.2	90.0
64°	2387.4	2039.9	1704.7	1396.0	1122.7	904.8	744.6	614.2	153.5	101.5	93.3
65°	2289.2	1946.6	1631.2	1329.9	1063.3	847.0	689.3	568.0	142.8	100.7	96.6
67.5°	2005.2	1689.0	1386.1	1103.7	871.8	685.2	534.1	426.8	119.7	103.2	108.1
70°	1684.1	1363.8	1111.2	860.2	662.1	503.6	378.1	292.2	104.0	109.8	117.2
72.5°	1194.5	928.7	765.3	577.9	436.7	318.7	241.1	184.1	91.6	106.5	109.0
75°	473.0	396.3	317.0	246.8	201.4	165.1	138.7	113.1	82.6	94.9	85.9
77.5°	132.9	124.7	115.6	104.0	97.4	91.6	85.9	81.7	74.3	80.1	64.4
80°	89.2	85.9	83.4	80.9	79.3	76.8	75.1	74.3	68.5	66.9	47.9
82.5°	71.8	71.8	72.6	72.6	73.5	74.3	74.3	74.3	66.9	59.4	39.6
85°	65.2	69.3	74.3	80.1	84.2	85.9	86.7	85.0	63.6	51.2	31.4
87.5°	80.9	90.0	99.1	107.3	109.0	112.3	107.3	104.8	51.2	41.3	19.8
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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CATALOG NUMBER: UTLD-F02-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	80.1	80.1	80.1	80.1	80.1
2.5°	96.6	123.0	128.8	128.8	126.3
5°	82.6	81.7	79.3	79.3	79.3
7.5°	82.6	111.4	125.5	128.0	126.3
10°	126.3	130.4	129.6	127.1	126.3
12.5°	131.3	142.8	168.4	165.9	166.8
15°	214.6	162.6	160.2	155.2	155.2
17.5°	204.7	175.0	183.3	180.0	180.0
20°	226.2	203.9	172.5	171.7	167.6
22.5°	234.4	214.6	187.4	180.0	180.0
25°	241.1	198.1	173.4	184.1	184.1
27.5°	222.1	199.8	168.4	161.0	160.2
30°	227.0	180.8	167.6	158.5	157.7
32.5°	207.2	166.8	151.1	156.8	156.8
35°	184.9	157.7	147.8	149.4	149.4
37.5°	166.8	147.8	148.6	151.1	151.1
40°	150.2	142.8	150.2	153.5	152.7
42.5°	139.5	137.0	140.3	143.6	142.8
45°	129.6	128.0	131.3	132.9	132.1
47.5°	121.4	121.4	122.2	123.0	123.0
50°	113.1	114.7	114.7	114.7	113.9
52.5°	105.7	105.7	107.3	106.5	106.5
55°	98.2	99.1	101.5	99.9	99.1
57.5°	91.6	94.9	94.9	93.3	92.5
60°	88.3	91.6	90.0	86.7	85.9
62.5°	90.0	89.2	85.9	81.7	80.9
64°	92.5	89.2	84.2	79.3	79.3
65°	94.9	89.2	83.4	77.6	77.6
67.5°	104.8	94.1	88.3	76.8	75.1
70°	110.6	101.5	94.9	76.8	73.5
72.5°	100.7	95.8	94.9	75.1	71.0
75°	77.6	80.9	85.0	70.2	66.9
77.5°	59.4	68.5	79.3	61.1	56.1
80°	47.9	65.2	82.6	51.2	42.9
82.5°	41.3	78.4	85.0	42.1	35.5
85°	33.8	88.3	83.4	36.3	25.6
87.5°	24.8	42.1	56.1	33.0	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)