

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: P157043

Luminaire Tested: **UTLD-F02-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157043
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-SL2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3686.8 lumens
Efficiency: N/A
Efficacy: 67.0 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

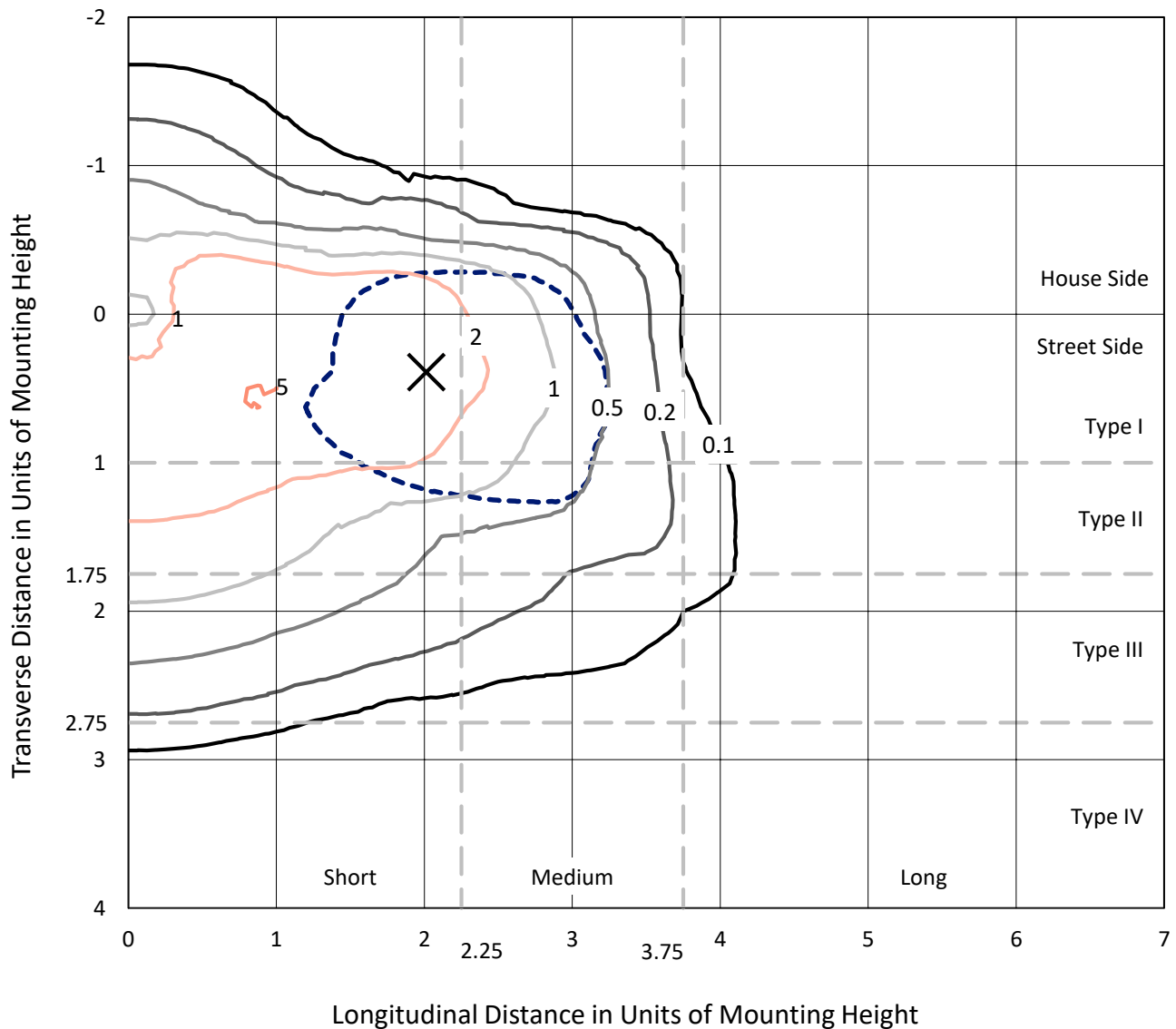


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

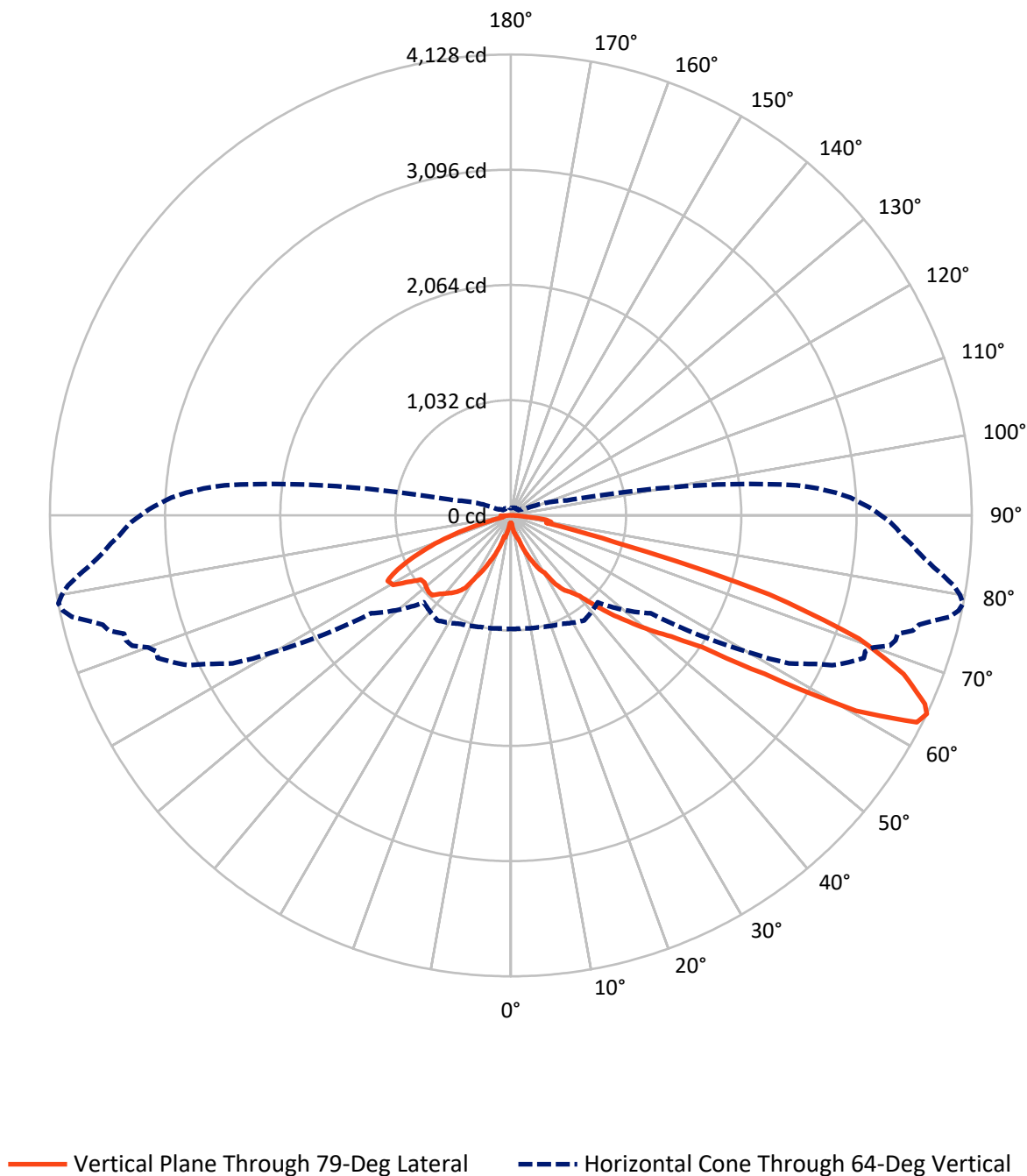


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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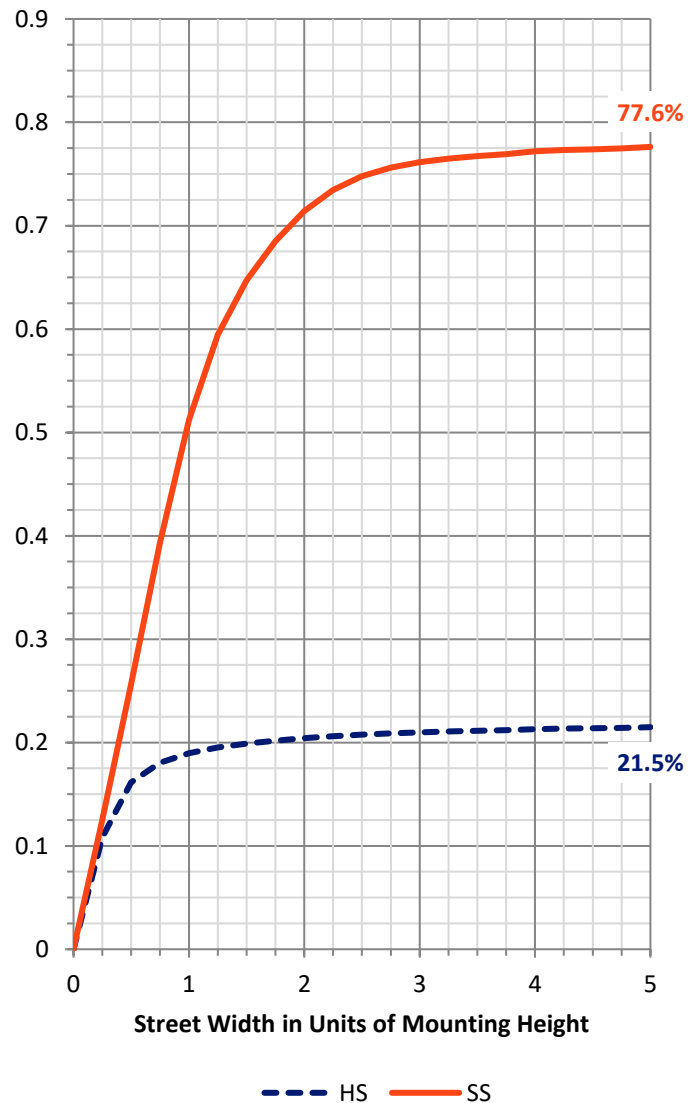
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.9	0.0	809.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2876.9	0.0	2876.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	3686.8	0.0	3686.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.3
10°-20°	53.9	1.5
20°-30°	157.7	4.3
30°-40°	344.5	9.3
40°-50°	626.6	17.0
50°-60°	875.0	23.7
60°-70°	1100.3	29.8
70°-80°	426.6	11.6
80°-90°	93.1	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°	3686.8	100.0
0°-180°	3686.8	100.0

Coefficient of Utilization



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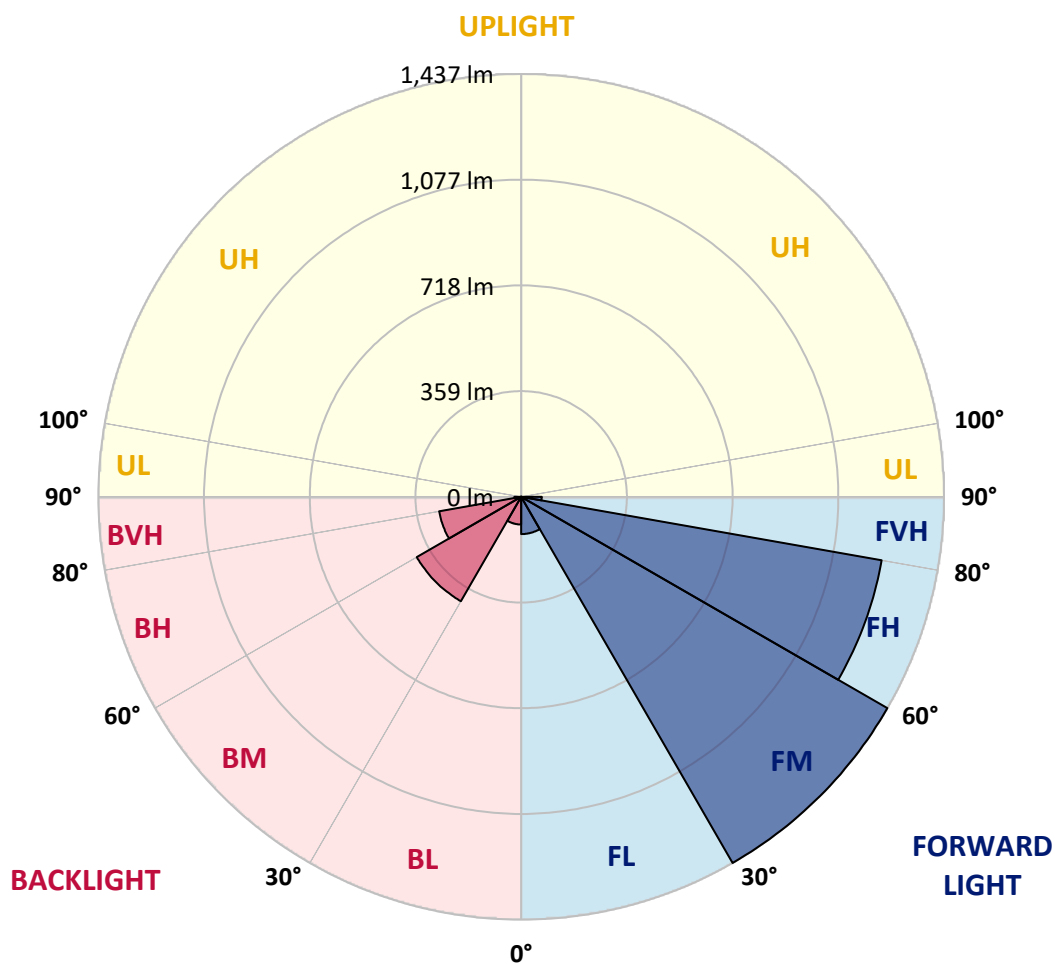
CATALOG NUMBER: UTLD-F02-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.7	3.4			
FM	(30°-60°)	1436.6	39.0			
FH	(60°-80°)	1243.7	33.7			G1/1800
FVH	(80°-90°)	69.9	1.9			G1/100
BL	(0°-30°)	94.1	2.6	B0/110		
BM	(30°-60°)	409.5	11.1	B1/1000		
BH	(60°-80°)	283.1	7.7	B1/500		G1/500
BVH	(80°-90°)	23.2	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°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	108.0	107.3	108.7	108.7	108.7	107.3	96.1	82.2	81.5	79.4	77.3
5°	89.2	89.2	89.2	89.9	90.6	92.0	97.5	104.5	108.0	108.7	109.4
7.5°	130.3	131.7	131.7	131.7	109.4	94.1	93.4	94.8	93.4	92.0	89.9
10°	133.8	134.5	134.5	135.9	136.6	134.5	115.0	130.3	130.3	131.0	131.7
12.5°	183.2	184.6	183.9	177.7	144.9	177.7	186.0	174.2	162.3	149.8	142.1
15°	194.4	197.2	191.6	186.0	221.6	208.3	196.5	226.4	226.4	228.5	234.8
17.5°	250.8	251.5	247.3	240.4	229.9	235.5	240.4	239.7	243.9	247.3	245.3
20°	301.0	294.7	259.2	278.0	274.5	272.4	273.1	297.5	299.6	301.0	307.3
22.5°	317.7	317.7	303.1	318.4	303.8	307.3	335.1	367.9	366.5	360.9	352.5
25°	387.4	388.8	355.3	329.6	336.5	344.9	361.6	411.8	405.5	412.5	416.0
27.5°	418.7	421.5	391.6	384.6	350.5	388.1	447.3	461.2	466.1	474.5	474.5
30°	503.0	504.4	484.9	429.9	418.0	422.9	483.5	503.7	510.7	519.8	553.9
32.5°	630.5	631.2	584.6	493.3	470.3	488.4	560.2	583.2	596.4	583.9	598.5
35°	834.0	827.7	740.6	666.8	609.6	564.4	635.4	716.2	707.9	710.0	716.9
37.5°	969.2	977.5	950.3	866.0	826.3	763.6	806.1	816.6	800.5	813.1	817.3
40°	1076.5	1088.3	1077.2	1035.3	997.0	969.2	1020.7	984.5	961.5	963.6	947.6
42.5°	1116.9	1130.1	1141.3	1165.6	1155.9	1185.8	1257.6	1205.4	1201.2	1181.0	1141.9
45°	1144.7	1157.3	1193.5	1242.3	1257.6	1336.3	1460.4	1439.5	1454.8	1410.9	1387.2
47.5°	1150.3	1162.2	1203.3	1279.9	1322.4	1436.7	1628.3	1649.2	1661.0	1637.3	1631.8
50°	1101.5	1111.3	1155.2	1246.5	1308.5	1480.6	1739.7	1816.4	1826.8	1833.1	1838.0
52.5°	1025.6	1037.4	1078.5	1155.9	1234.6	1460.4	1800.4	1948.1	1960.6	1987.8	2020.5
55°	995.6	1005.4	1031.2	1093.9	1153.8	1377.4	1831.0	2059.6	2079.8	2127.1	2183.6
57.5°	991.5	1001.2	1024.2	1045.1	1111.3	1280.6	1844.3	2185.7	2248.4	2325.0	2416.3
60°	1027.7	1031.9	1042.3	1043.0	1073.7	1206.7	1803.8	2341.0	2466.4	2578.6	2722.1
62.5°	1052.1	1055.6	1071.6	1100.8	1092.5	1132.9	1667.3	2442.1	2628.8	2794.6	2980.6
64°	1016.5	1016.5	1035.3	1071.6	1147.5	1101.5	1528.6	2438.6	2643.4	2821.1	3032.9
65°	976.1	975.4	992.8	1022.1	1138.5	1096.7	1428.3	2380.0	2591.9	2770.2	2999.4
67.5°	792.9	765.7	781.7	818.7	960.1	1107.8	1178.9	2002.4	2219.8	2435.1	2699.2
70°	410.4	425.0	433.4	494.7	664.0	953.1	989.4	1415.1	1662.4	1877.0	2241.4
72.5°	173.5	162.3	182.5	225.7	349.1	675.1	909.9	983.1	1112.0	1282.7	1669.4
75°	94.1	94.8	98.9	112.2	181.8	372.8	838.9	866.0	877.9	905.8	1112.0
77.5°	69.7	69.7	71.8	71.8	94.8	193.7	668.9	818.7	820.8	802.6	850.0
80°	52.3	55.0	58.5	55.7	59.2	110.1	391.6	743.4	774.8	781.0	820.1
82.5°	43.2	44.6	52.3	50.2	46.7	66.2	183.9	563.0	650.8	702.3	798.5
85°	29.3	31.4	47.4	46.0	42.5	44.6	106.6	182.5	220.2	254.3	324.0
87.5°	11.8	15.3	30.7	27.9	29.3	25.1	65.5	96.1	105.9	120.5	149.8
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	75.9	74.6	73.9	72.5	71.8	71.1	71.8	70.4	69.7	70.4	69.0
5°	108.7	108.7	108.0	106.6	105.9	104.5	103.8	98.2	92.0	88.5	82.9
7.5°	90.6	90.6	92.0	95.5	98.9	102.4	104.5	105.2	104.5	105.2	105.2
10°	131.7	133.8	133.8	135.2	135.2	135.9	136.6	138.0	139.3	147.7	154.0
12.5°	141.4	142.1	142.1	142.8	145.6	148.4	148.4	150.5	149.1	148.4	147.0
15°	231.3	227.8	211.8	209.7	209.0	206.9	201.4	199.3	199.3	200.7	200.0
17.5°	247.3	249.4	246.6	243.2	239.7	232.0	218.8	220.2	218.8	220.2	223.0
20°	309.4	303.1	307.3	322.6	333.0	336.5	340.0	342.1	335.1	324.7	323.3
22.5°	349.1	345.6	353.9	356.7	357.4	364.4	365.8	370.7	389.5	386.0	389.5
25°	416.6	452.9	453.6	455.7	459.1	463.3	460.5	466.8	465.4	471.0	471.0
27.5°	484.9	482.1	484.9	487.7	484.2	482.1	489.1	489.1	502.3	494.7	496.1
30°	550.4	552.5	558.8	564.4	568.5	566.4	567.1	576.9	569.9	575.5	583.9
32.5°	596.4	604.8	620.1	624.3	664.0	657.7	675.1	683.5	690.5	701.6	712.1
35°	728.1	734.4	742.7	742.7	738.5	749.0	756.7	762.2	769.2	786.6	781.0
37.5°	819.4	820.1	822.8	804.7	816.6	821.5	821.5	833.3	845.8	846.5	834.0
40°	940.6	923.9	916.9	900.9	915.5	895.3	910.6	907.8	916.9	905.8	912.7
42.5°	1123.8	1098.8	1059.7	1054.2	1041.6	1030.5	1017.2	1028.4	1008.9	1017.2	1038.8
45°	1356.5	1289.7	1272.2	1254.1	1202.6	1194.2	1187.9	1162.2	1137.1	1164.2	1201.2
47.5°	1599.7	1525.9	1502.2	1468.0	1433.9	1390.0	1364.2	1310.6	1298.0	1332.2	1356.5
50°	1804.5	1748.1	1752.3	1704.2	1661.7	1633.1	1562.1	1508.4	1505.6	1517.5	1505.6
52.5°	1984.3	1972.5	1974.5	1944.6	1916.0	1880.5	1794.8	1762.7	1741.1	1723.0	1675.0
55°	2163.4	2202.4	2198.9	2221.9	2215.6	2189.8	2129.2	2136.2	2127.8	2068.6	2020.5
57.5°	2459.5	2519.4	2557.0	2590.5	2661.5	2653.9	2642.0	2748.6	2744.4	2688.0	2710.3
60°	2846.9	2911.7	3007.1	3092.8	3172.2	3193.8	3261.4	3407.7	3395.2	3401.5	3475.3
62.5°	3139.5	3221.0	3322.7	3423.1	3421.7	3478.1	3614.0	3687.8	3673.9	3774.2	3832.7
64°	3175.0	3261.4	3335.3	3410.5	3400.1	3457.2	3586.8	3622.3	3623.0	3745.0	3784.7
65°	3122.8	3214.7	3268.4	3334.6	3322.0	3384.7	3513.6	3512.2	3532.4	3656.5	3691.3
67.5°	2802.3	2927.0	2970.9	2995.3	3009.2	3103.3	3173.6	3144.4	3231.5	3282.3	3366.6
70°	2363.3	2502.7	2579.3	2589.8	2638.5	2733.3	2784.9	2729.8	2837.1	2803.0	2950.0
72.5°	1863.8	1994.1	2109.0	2121.6	2204.5	2253.2	2248.4	2249.1	2265.8	2212.1	2334.8
75°	1294.5	1394.2	1482.0	1493.1	1537.0	1493.8	1461.8	1398.3	1325.2	1263.2	1255.5
77.5°	881.4	914.1	905.8	873.0	837.5	781.0	736.4	723.9	677.2	657.7	617.3
80°	816.6	827.7	811.7	809.6	783.1	720.4	688.4	635.4	628.5	605.5	576.9
82.5°	816.6	822.1	824.9	841.0	805.4	757.4	702.3	623.6	596.4	535.1	498.2
85°	387.4	411.1	450.8	485.6	484.2	471.0	410.4	378.3	321.2	275.2	233.4
87.5°	172.8	192.3	214.6	223.0	230.6	223.0	202.1	182.5	149.8	117.1	96.8
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°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	69.0	69.0	69.0	69.0	68.3	68.3	68.3	68.3	68.3	67.6	67.6
5°	77.3	75.9	73.2	73.2	71.8	71.1	71.1	70.4	70.4	69.7	69.7
7.5°	104.5	103.8	101.7	93.4	80.8	75.9	71.8	71.8	71.1	71.8	73.2
10°	156.8	156.8	155.4	153.3	152.6	149.8	135.9	124.0	116.4	115.0	113.6
12.5°	149.1	152.6	161.6	166.5	166.5	165.8	164.4	160.2	140.7	128.9	126.1
15°	200.7	202.1	202.8	205.5	213.9	215.3	213.9	215.3	213.9	200.7	182.5
17.5°	225.7	220.9	220.9	223.0	231.3	227.1	235.5	260.6	265.5	244.6	246.6
20°	320.5	320.5	321.9	317.0	320.5	326.8	327.5	330.3	335.8	334.4	326.1
22.5°	380.4	375.5	387.4	393.0	395.0	394.4	393.7	392.3	395.0	399.2	395.7
25°	462.6	466.8	467.5	464.7	458.5	455.7	460.5	465.4	480.1	489.1	482.8
27.5°	511.4	523.9	556.0	549.0	544.8	549.7	553.2	565.1	560.2	556.7	566.4
30°	595.7	593.6	586.7	592.9	601.3	611.7	608.9	600.6	596.4	606.2	603.4
32.5°	708.6	700.2	713.5	732.3	745.5	734.4	726.7	736.4	736.4	726.0	737.8
35°	771.3	786.6	806.8	819.4	810.3	810.3	818.0	813.1	816.6	828.4	835.4
37.5°	847.2	872.3	884.9	872.3	875.1	891.8	892.5	899.5	906.5	919.7	939.2
40°	944.1	956.6	947.6	946.9	967.8	973.3	985.9	1010.3	1020.7	1039.5	1047.9
42.5°	1063.9	1067.4	1068.8	1093.9	1097.4	1103.6	1135.7	1158.0	1185.1	1192.8	1182.4
45°	1212.3	1210.2	1241.6	1259.0	1263.2	1307.1	1319.6	1336.3	1354.5	1338.4	1364.9
47.5°	1347.5	1381.6	1422.0	1423.4	1459.0	1487.5	1498.7	1514.0	1499.4	1516.1	1496.6
50°	1507.0	1568.4	1562.1	1612.9	1640.8	1646.4	1669.4	1647.1	1649.9	1633.8	1628.3
52.5°	1706.3	1732.1	1729.3	1800.4	1805.2	1824.8	1808.0	1794.8	1792.7	1771.8	1756.5
55°	2052.6	2018.4	2054.7	2081.1	2095.1	2102.7	2049.8	2072.8	2019.8	2019.1	1982.9
57.5°	2690.8	2684.5	2707.5	2678.3	2715.9	2656.7	2653.2	2606.5	2573.7	2573.0	2552.1
60°	3459.3	3556.8	3579.1	3551.3	3479.5	3451.6	3406.3	3366.6	3308.8	3313.7	3270.5
62.5°	3892.7	4027.1	4062.7	4080.8	3988.1	3946.3	3842.5	3776.3	3687.1	3658.6	3588.9
64°	3900.3	4034.8	4100.3	4128.2	4081.5	4016.0	3917.7	3818.1	3727.5	3653.0	3589.6
65°	3842.5	3958.2	4047.3	4075.2	4071.7	3985.3	3903.8	3786.1	3702.5	3599.3	3534.5
67.5°	3531.1	3633.5	3749.8	3795.8	3843.2	3813.2	3743.6	3629.3	3529.0	3404.9	3314.4
70°	3048.9	3138.1	3241.9	3308.8	3360.4	3385.4	3325.5	3237.7	3161.8	3016.2	2909.6
72.5°	2381.4	2396.1	2417.0	2419.8	2399.6	2389.8	2336.2	2342.4	2203.1	2114.6	2053.3
75°	1183.1	1134.3	1015.8	971.9	871.6	812.4	744.1	716.9	645.9	625.7	571.3
77.5°	542.1	474.5	391.6	326.1	272.4	235.5	200.7	176.3	156.1	148.4	137.3
80°	530.9	477.3	413.2	365.1	308.7	257.8	209.7	164.4	132.4	112.9	100.3
82.5°	452.2	389.5	346.3	317.7	282.2	246.6	202.1	163.0	125.4	96.8	78.7
85°	185.3	151.2	128.2	116.4	103.8	91.3	78.7	67.6	60.6	51.6	46.7
87.5°	79.4	69.7	64.1	63.4	60.6	58.5	56.4	53.6	47.4	43.9	39.7
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
5°	69.7	69.7	69.0	69.0	69.0	69.0	69.7	69.0	69.0	69.0	69.0
7.5°	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.6	73.9	73.9	74.6
10°	112.9	112.2	109.4	108.7	107.3	107.3	107.3	108.0	110.8	112.2	113.6
12.5°	123.3	124.7	126.1	123.3	124.7	121.2	123.3	124.7	124.0	124.7	123.3
15°	183.9	183.9	183.2	182.5	180.5	178.4	177.7	177.7	176.3	174.9	176.3
17.5°	243.9	243.9	240.4	237.6	237.6	223.0	233.4	229.9	232.0	222.3	248.7
20°	305.9	304.5	306.6	311.4	313.5	310.0	305.2	299.6	298.2	307.3	318.4
22.5°	395.0	392.3	384.6	374.8	373.5	372.8	381.8	381.8	382.5	386.7	393.7
25°	473.1	457.8	451.5	458.5	460.5	450.8	450.8	454.3	473.1	480.1	480.7
27.5°	568.5	563.7	559.5	551.1	547.6	561.6	569.2	560.9	558.1	568.5	568.5
30°	607.6	618.7	618.0	626.4	632.6	615.2	606.2	628.5	626.4	610.3	619.4
32.5°	750.4	756.0	763.6	774.1	766.4	777.6	765.7	756.7	771.3	768.5	758.0
35°	834.7	850.0	850.0	850.7	871.6	867.4	862.6	859.8	848.6	856.3	861.2
37.5°	937.8	928.1	936.4	946.9	951.0	955.9	957.3	960.8	946.2	936.4	922.5
40°	1038.8	1050.7	1040.2	1043.0	1051.4	1050.0	1055.6	1063.2	1042.3	1027.7	1008.2
42.5°	1190.7	1186.5	1183.8	1179.6	1169.8	1179.6	1169.8	1147.5	1152.4	1130.8	1102.9
45°	1350.3	1341.9	1342.6	1329.4	1319.6	1293.1	1285.5	1279.2	1252.7	1236.7	1192.8
47.5°	1498.0	1491.7	1469.4	1474.3	1444.3	1413.0	1393.5	1383.7	1347.5	1304.3	1277.8
50°	1624.8	1608.1	1608.8	1576.7	1555.1	1530.7	1500.1	1462.4	1422.7	1382.3	1325.2
52.5°	1739.7	1738.4	1718.1	1695.9	1663.8	1650.6	1598.3	1544.7	1496.6	1448.5	1384.4
55°	2006.6	1982.2	1939.7	1928.6	1913.2	1833.1	1794.1	1728.6	1654.1	1595.5	1509.8
57.5°	2558.4	2526.4	2476.2	2471.3	2377.3	2313.2	2223.3	2146.6	2044.9	1945.3	1819.2
60°	3216.8	3169.5	3172.9	3100.5	3020.3	2943.7	2831.5	2722.8	2582.1	2411.4	2200.3
62.5°	3526.2	3480.2	3440.5	3358.3	3273.3	3189.0	3096.3	2950.7	2814.8	2615.5	2353.6
64°	3515.7	3459.3	3398.7	3315.8	3239.1	3140.9	3046.8	2914.4	2761.2	2576.5	2299.9
65°	3464.9	3402.2	3324.1	3244.7	3152.7	3061.5	2968.8	2849.0	2679.6	2500.6	2221.9
67.5°	3225.2	3144.4	3060.8	2984.1	2887.3	2796.7	2713.8	2605.8	2430.2	2237.9	1987.8
70°	2830.8	2731.2	2639.2	2589.8	2519.4	2438.6	2338.2	2247.7	2085.3	1894.4	1667.3
72.5°	1943.9	1828.9	1764.8	1785.7	1715.4	1690.3	1666.6	1595.5	1453.4	1316.1	1170.5
75°	608.3	562.3	531.6	569.2	543.5	585.3	572.0	559.5	521.9	505.8	455.0
77.5°	138.0	131.7	128.9	127.5	128.2	127.5	125.4	124.7	122.6	124.0	120.5
80°	95.5	91.3	89.9	87.8	86.4	84.3	82.2	81.5	80.8	79.4	78.7
82.5°	69.0	63.4	62.7	61.3	60.6	59.2	58.5	59.9	59.2	61.3	61.3
85°	44.6	41.8	40.4	41.1	40.4	41.8	42.5	43.9	46.0	48.1	51.6
87.5°	36.9	34.8	34.8	35.5	36.9	38.3	41.8	46.0	49.5	55.0	61.3
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	69.0	69.7	73.2
5°	69.0	69.7	69.0	69.7	69.7	69.7	70.4	70.4	88.5	107.3	75.2
7.5°	73.9	74.6	73.9	73.2	72.5	71.8	75.2	78.7	98.9	70.4	69.0
10°	114.3	115.0	115.7	122.6	133.1	147.7	150.5	150.5	109.4	95.5	107.3
12.5°	123.3	128.2	149.1	156.8	156.8	156.8	155.4	147.0	115.7	151.2	150.5
15°	188.8	204.1	204.8	205.5	204.8	191.6	179.1	175.6	180.5	162.3	154.7
17.5°	241.8	213.9	233.4	195.1	183.9	186.7	189.5	193.7	220.2	205.5	190.2
20°	324.0	324.7	305.2	298.2	293.3	292.6	294.0	296.8	280.1	230.6	212.5
22.5°	386.7	376.2	379.7	384.6	380.4	370.7	366.5	361.6	331.6	304.5	224.3
25°	464.7	462.6	457.8	457.1	467.5	473.8	468.9	461.9	414.6	305.9	239.7
27.5°	567.1	571.3	569.9	555.3	548.3	558.1	548.3	527.4	464.7	379.7	247.3
30°	620.1	629.8	634.7	634.0	617.3	617.3	612.4	626.4	511.4	370.0	253.6
32.5°	763.6	764.3	762.2	762.9	760.1	736.4	712.1	698.8	504.4	378.3	241.8
35°	842.4	836.1	837.5	823.5	806.8	789.4	763.6	731.6	540.0	347.0	213.2
37.5°	927.4	904.4	880.0	868.1	843.7	822.8	803.3	765.0	522.6	321.2	182.5
40°	986.6	979.6	933.6	903.7	886.9	854.2	820.8	796.4	489.8	266.8	154.7
42.5°	1056.9	1027.0	1005.4	946.9	909.2	883.5	836.1	791.5	438.2	216.0	134.5
45°	1144.7	1086.9	1040.2	1002.6	923.9	875.1	830.5	776.9	372.8	176.3	121.9
47.5°	1215.1	1152.4	1072.3	1006.1	941.3	845.1	794.3	732.3	310.7	151.9	113.6
50°	1275.0	1186.5	1096.0	993.5	909.9	810.3	728.8	679.3	256.4	132.4	103.8
52.5°	1311.3	1213.0	1101.5	978.9	861.2	769.2	679.3	608.9	215.3	118.4	94.1
55°	1388.6	1279.9	1136.4	989.4	847.9	735.8	653.5	567.1	190.9	105.9	86.4
57.5°	1649.2	1464.5	1286.2	1091.1	919.0	774.8	675.8	582.5	177.7	96.8	80.1
60°	1980.1	1729.3	1475.0	1224.2	1011.7	838.2	703.0	605.5	163.7	91.3	76.6
62.5°	2087.4	1796.9	1504.9	1248.6	1005.4	819.4	679.3	572.0	143.5	87.1	75.9
64°	2015.0	1721.6	1438.8	1178.2	947.6	763.6	628.5	518.4	129.6	85.7	78.7
65°	1932.0	1642.9	1376.7	1122.4	897.4	714.9	581.8	479.4	120.5	85.0	81.5
67.5°	1692.4	1425.5	1169.8	931.5	735.8	578.3	450.8	360.2	101.0	87.1	91.3
70°	1421.3	1151.0	937.8	726.0	558.8	425.0	319.1	246.6	87.8	92.7	98.9
72.5°	1008.2	783.8	645.9	487.7	368.6	268.9	203.4	155.4	77.3	89.9	92.0
75°	399.2	334.4	267.5	208.3	170.0	139.3	117.1	95.5	69.7	80.1	72.5
77.5°	112.2	105.2	97.5	87.8	82.2	77.3	72.5	69.0	62.7	67.6	54.3
80°	75.2	72.5	70.4	68.3	66.9	64.8	63.4	62.7	57.8	56.4	40.4
82.5°	60.6	60.6	61.3	61.3	62.0	62.7	62.7	62.7	56.4	50.2	33.4
85°	55.0	58.5	62.7	67.6	71.1	72.5	73.2	71.8	53.6	43.2	26.5
87.5°	68.3	75.9	83.6	90.6	92.0	94.8	90.6	88.5	43.2	34.8	16.7
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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CATALOG NUMBER: UTLD-F02-LED-E-U-SL2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	67.6	67.6	67.6	67.6	67.6
2.5°	81.5	103.8	108.7	108.7	106.6
5°	69.7	69.0	66.9	66.9	66.9
7.5°	69.7	94.1	105.9	108.0	106.6
10°	106.6	110.1	109.4	107.3	106.6
12.5°	110.8	120.5	142.1	140.0	140.7
15°	181.2	137.3	135.2	131.0	131.0
17.5°	172.8	147.7	154.7	151.9	151.9
20°	190.9	172.1	145.6	144.9	141.4
22.5°	197.9	181.2	158.2	151.9	151.9
25°	203.4	167.2	146.3	155.4	155.4
27.5°	187.4	168.6	142.1	135.9	135.2
30°	191.6	152.6	141.4	133.8	133.1
32.5°	174.9	140.7	127.5	132.4	132.4
35°	156.1	133.1	124.7	126.1	126.1
37.5°	140.7	124.7	125.4	127.5	127.5
40°	126.8	120.5	126.8	129.6	128.9
42.5°	117.7	115.7	118.4	121.2	120.5
45°	109.4	108.0	110.8	112.2	111.5
47.5°	102.4	102.4	103.1	103.8	103.8
50°	95.5	96.8	96.8	96.8	96.1
52.5°	89.2	89.2	90.6	89.9	89.9
55°	82.9	83.6	85.7	84.3	83.6
57.5°	77.3	80.1	80.1	78.7	78.0
60°	74.6	77.3	75.9	73.2	72.5
62.5°	75.9	75.2	72.5	69.0	68.3
64°	78.0	75.2	71.1	66.9	66.9
65°	80.1	75.2	70.4	65.5	65.5
67.5°	88.5	79.4	74.6	64.8	63.4
70°	93.4	85.7	80.1	64.8	62.0
72.5°	85.0	80.8	80.1	63.4	59.9
75°	65.5	68.3	71.8	59.2	56.4
77.5°	50.2	57.8	66.9	51.6	47.4
80°	40.4	55.0	69.7	43.2	36.2
82.5°	34.8	66.2	71.8	35.5	30.0
85°	28.6	74.6	70.4	30.7	21.6
87.5°	20.9	35.5	47.4	27.9	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)