

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: P157055

Luminaire Tested: **UTLD-F03-LED-E-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157055
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-F03-LED-E-U-SL2
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6552.5 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

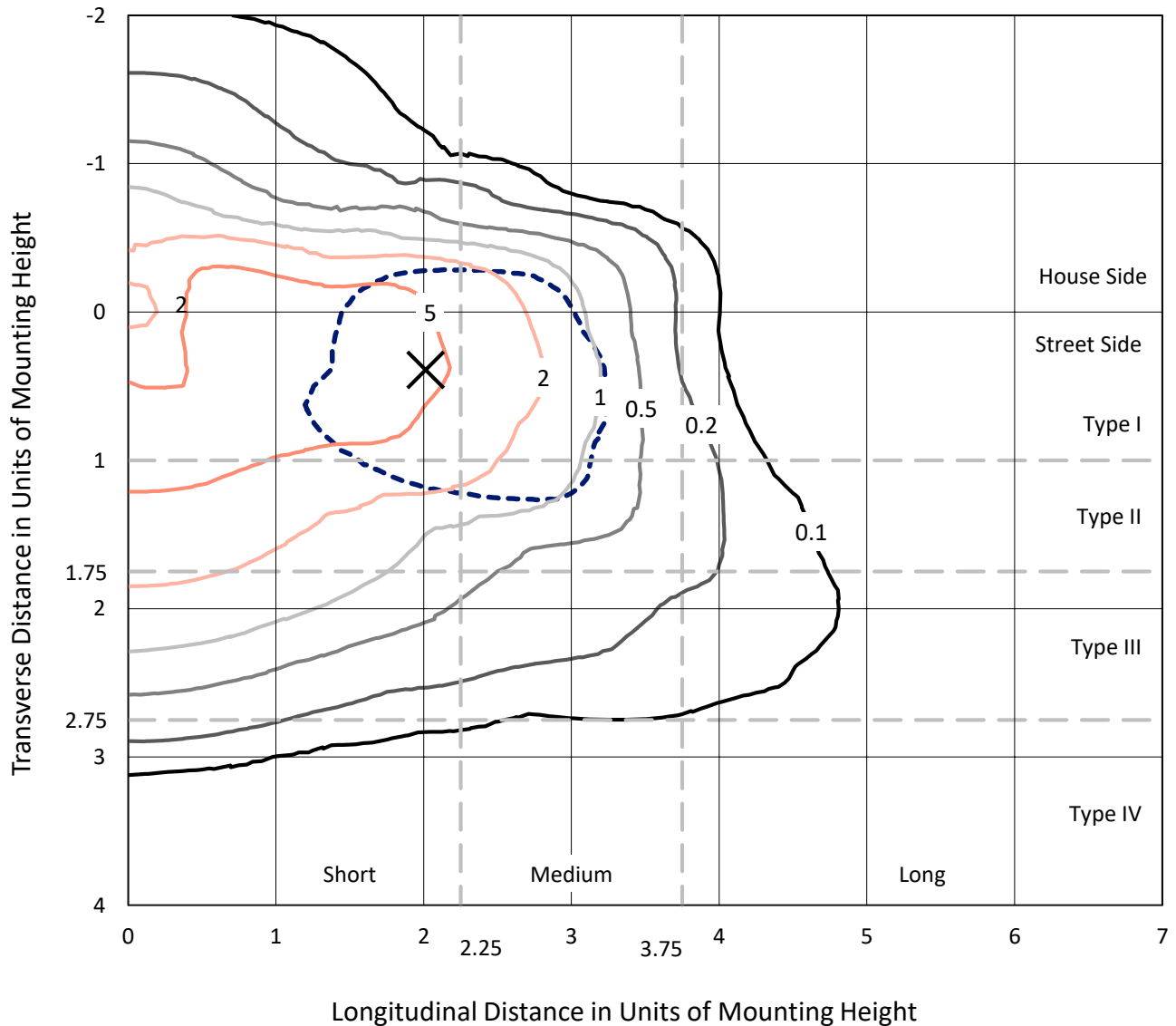
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

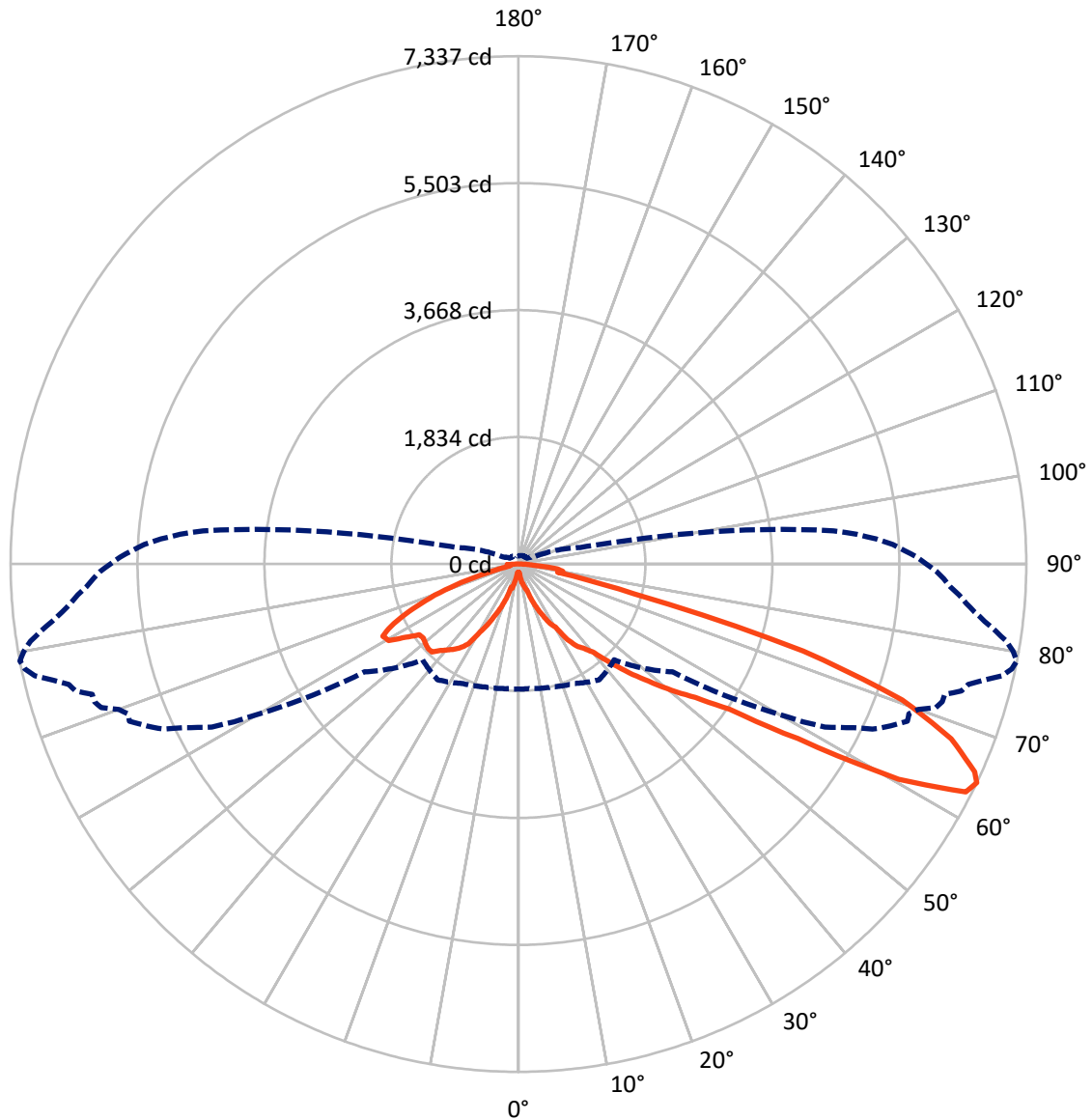


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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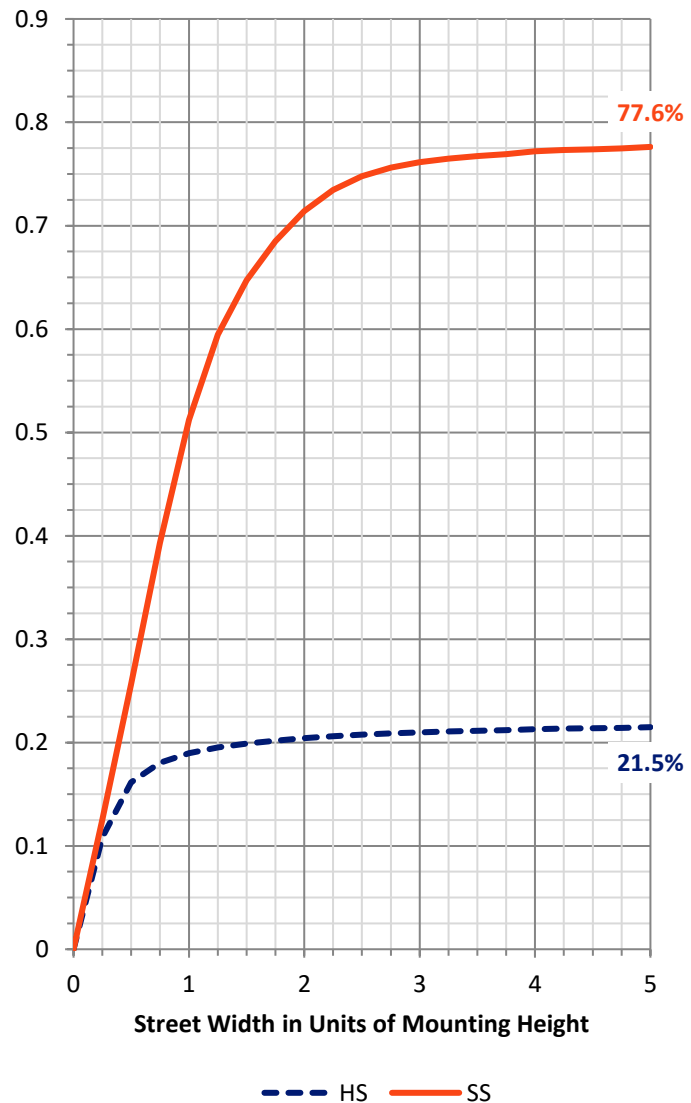
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.4	0.0	1439.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5113.0	0.0	5113.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	6552.5	0.0	6552.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	0.3
10°-20°	95.7	1.5
20°-30°	280.2	4.3
30°-40°	612.3	9.3
40°-50°	1113.6	17.0
50°-60°	1555.1	23.7
60°-70°	1955.5	29.8
70°-80°	758.1	11.6
80°-90°	165.5	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°	6552.5	100.0
0°-180°	6552.5	100.0



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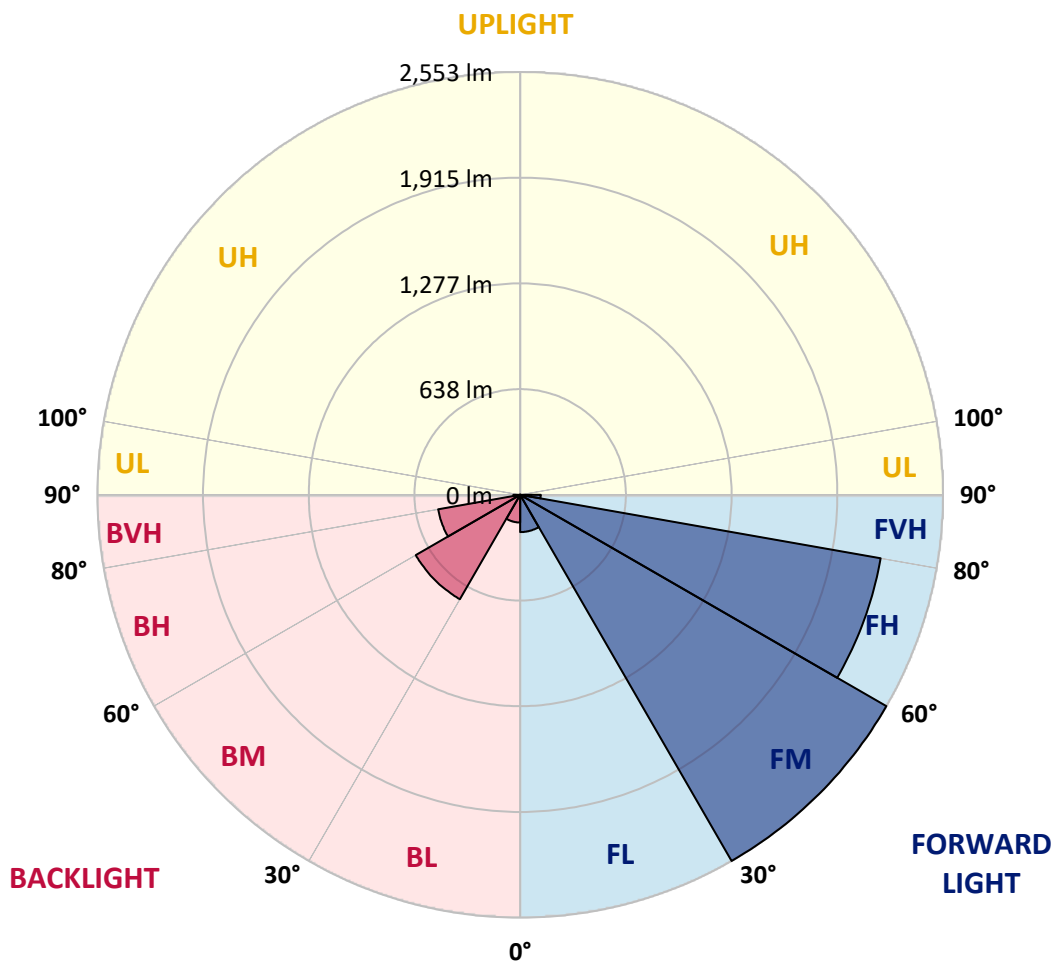
CATALOG NUMBER: UTLD-F03-LED-E-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.1	3.4			
FM (30°-60°)	2553.3	39.0			
FH (60°-80°)	2210.4	33.7			G2/5000
FVH (80°-90°)	124.2	1.9			G2/225
BL (0°-30°)	167.2	2.6	B1/500		
BM (30°-60°)	727.7	11.1	B1/1000		
BH (60°-80°)	503.2	7.7	B2/1000		G2/1000
BVH (80°-90°)	41.3	0.6			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°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	191.9	190.7	193.2	193.2	193.2	190.7	170.9	146.1	144.9	141.2	137.4
5°	158.5	158.5	158.5	159.7	161.0	163.5	173.4	185.7	191.9	193.2	194.4
7.5°	231.6	234.0	234.0	234.0	194.4	167.2	165.9	168.4	165.9	163.5	159.7
10°	237.8	239.0	239.0	241.5	242.7	239.0	204.3	231.6	231.6	232.8	234.0
12.5°	325.7	328.1	326.9	315.8	257.6	315.8	330.6	309.6	288.5	266.2	252.6
15°	345.5	350.4	340.5	330.6	393.8	370.2	349.2	402.4	402.4	406.2	417.3
17.5°	445.8	447.0	439.6	427.2	408.6	418.5	427.2	426.0	433.4	439.6	435.9
20°	534.9	523.8	460.6	494.1	487.9	484.2	485.4	528.7	532.5	534.9	546.1
22.5°	564.7	564.7	538.7	565.9	539.9	546.1	595.6	653.8	651.3	641.4	626.6
25°	688.5	691.0	631.5	585.7	598.1	613.0	642.7	731.8	720.7	733.1	739.3
27.5°	744.2	749.2	695.9	683.5	622.9	689.7	795.0	819.7	828.4	843.3	843.3
30°	894.0	896.5	861.8	764.0	743.0	751.6	859.4	895.3	907.7	923.8	984.4
32.5°	1120.7	1121.9	1038.9	876.7	835.8	868.0	995.6	1036.4	1060.0	1037.7	1063.7
35°	1482.2	1471.1	1316.3	1185.0	1083.5	1003.0	1129.3	1273.0	1258.1	1261.8	1274.2
37.5°	1722.5	1737.3	1689.0	1539.2	1468.6	1357.2	1432.7	1451.3	1422.8	1445.1	1452.5
40°	1913.2	1934.2	1914.4	1840.1	1772.0	1722.5	1814.1	1749.7	1708.8	1712.6	1684.1
42.5°	1985.0	2008.5	2028.3	2071.7	2054.3	2107.6	2235.1	2142.2	2134.8	2098.9	2029.6
45°	2034.5	2056.8	2121.2	2207.9	2235.1	2375.0	2595.5	2558.3	2585.5	2507.5	2465.4
47.5°	2044.4	2065.5	2138.5	2274.7	2350.3	2553.3	2893.9	2931.0	2952.1	2910.0	2900.1
50°	1957.7	1975.1	2053.1	2215.3	2325.5	2631.4	3092.0	3228.2	3246.8	3257.9	3266.6
52.5°	1822.8	1843.8	1916.9	2054.3	2194.2	2595.5	3199.7	3462.3	3484.5	3532.8	3591.0
55°	1769.5	1786.8	1832.7	1944.1	2050.6	2448.1	3254.2	3660.4	3696.3	3780.5	3880.8
57.5°	1762.1	1779.4	1820.3	1857.4	1975.1	2276.0	3277.7	3884.5	3996.0	4132.2	4294.4
60°	1826.5	1833.9	1852.5	1853.7	1908.2	2144.7	3205.9	4160.6	4383.5	4582.9	4838.0
62.5°	1869.8	1876.0	1904.5	1956.5	1941.6	2013.5	2963.2	4340.2	4672.1	4966.8	5297.4
64°	1806.7	1806.7	1840.1	1904.5	2039.5	1957.7	2716.8	4334.0	4698.1	5013.8	5390.3
65°	1734.8	1733.6	1764.6	1816.6	2023.4	1949.1	2538.5	4230.0	4606.4	4923.4	5330.8
67.5°	1409.2	1360.9	1389.4	1455.0	1706.4	1968.9	2095.2	3558.8	3945.2	4327.8	4797.1
70°	729.4	755.4	770.2	879.2	1180.1	1694.0	1758.4	2515.0	2954.6	3335.9	3983.6
72.5°	308.3	288.5	324.4	401.2	620.4	1199.9	1617.2	1747.2	1976.3	2279.7	2966.9
75°	167.2	168.4	175.8	199.4	323.2	662.5	1490.9	1539.2	1560.2	1609.8	1976.3
77.5°	123.8	123.8	127.5	127.5	168.4	344.2	1188.8	1455.0	1458.7	1426.5	1510.7
80°	92.9	97.8	104.0	99.1	105.3	195.6	695.9	1321.3	1377.0	1388.1	1457.5
82.5°	76.8	79.3	92.9	89.2	83.0	117.6	326.9	1000.5	1156.6	1248.2	1419.1
85°	52.0	55.7	84.2	81.7	75.5	79.3	189.5	324.4	391.3	452.0	575.8
87.5°	21.1	27.2	54.5	49.5	52.0	44.6	116.4	170.9	188.2	214.2	266.2
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°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	135.0	132.5	131.3	128.8	127.5	126.3	127.5	125.1	123.8	125.1	122.6
5°	193.2	193.2	191.9	189.5	188.2	185.7	184.5	174.6	163.5	157.3	147.4
7.5°	161.0	161.0	163.5	169.6	175.8	182.0	185.7	187.0	185.7	187.0	187.0
10°	234.0	237.8	237.8	240.2	240.2	241.5	242.7	245.2	247.7	262.5	273.7
12.5°	251.4	252.6	252.6	253.8	258.8	263.8	263.8	267.5	265.0	263.8	261.3
15°	411.1	404.9	376.4	372.7	371.5	367.8	357.9	354.2	354.2	356.6	355.4
17.5°	439.6	443.3	438.4	432.2	426.0	412.3	388.8	391.3	388.8	391.3	396.3
20°	549.8	538.7	546.1	573.3	591.9	598.1	604.3	608.0	595.6	577.0	574.6
22.5°	620.4	614.2	629.0	634.0	635.2	647.6	650.1	658.8	692.2	686.0	692.2
25°	740.5	804.9	806.1	809.8	816.0	823.5	818.5	829.7	827.2	837.1	837.1
27.5°	861.8	856.9	861.8	866.8	860.6	856.9	869.3	869.3	892.8	879.2	881.7
30°	978.2	982.0	993.1	1003.0	1010.4	1006.7	1008.0	1025.3	1012.9	1022.8	1037.7
32.5°	1060.0	1074.8	1102.1	1109.5	1180.1	1168.9	1199.9	1214.8	1227.1	1247.0	1265.5
35°	1294.0	1305.2	1320.0	1320.0	1312.6	1331.2	1344.8	1354.7	1367.1	1398.0	1388.1
37.5°	1456.2	1457.5	1462.4	1430.2	1451.3	1459.9	1459.9	1481.0	1503.3	1504.5	1482.2
40°	1671.7	1642.0	1629.6	1601.1	1627.1	1591.2	1618.4	1613.5	1629.6	1609.8	1622.2
42.5°	1997.4	1952.8	1883.4	1873.5	1851.2	1831.4	1807.9	1827.7	1793.0	1807.9	1846.3
45°	2410.9	2292.1	2261.1	2228.9	2137.3	2122.4	2111.3	2065.5	2020.9	2069.2	2134.8
47.5°	2843.1	2711.8	2669.7	2609.1	2548.4	2470.4	2424.6	2329.2	2306.9	2367.6	2410.9
50°	3207.2	3106.9	3114.3	3028.9	2953.3	2902.5	2776.2	2680.9	2675.9	2697.0	2675.9
52.5°	3526.6	3505.6	3509.3	3456.1	3405.3	3342.1	3189.8	3132.9	3094.5	3062.3	2976.8
55°	3844.9	3914.2	3908.0	3948.9	3937.8	3891.9	3784.2	3796.6	3781.7	3676.5	3591.0
57.5°	4371.2	4477.6	4544.5	4604.0	4730.3	4716.6	4695.6	4885.0	4877.6	4777.3	4816.9
60°	5059.6	5174.8	5344.4	5496.8	5637.9	5676.3	5796.4	6056.5	6034.2	6045.3	6176.6
62.5°	5579.7	5724.6	5905.4	6083.7	6081.2	6181.5	6423.0	6554.3	6529.5	6707.8	6811.8
64°	5642.9	5796.4	5927.7	6061.4	6042.8	6144.4	6374.7	6437.9	6439.1	6655.8	6726.4
65°	5550.0	5713.5	5808.8	5926.4	5904.2	6015.6	6244.7	6242.2	6278.1	6498.5	6560.4
67.5°	4980.4	5202.0	5280.1	5323.4	5348.2	5515.3	5640.4	5588.4	5743.2	5833.6	5983.4
70°	4200.3	4447.9	4584.1	4602.7	4689.4	4857.8	4949.4	4851.6	5042.3	4981.6	5242.9
72.5°	3312.4	3544.0	3748.3	3770.6	3917.9	4004.6	3996.0	3997.2	4026.9	3931.6	4149.5
75°	2300.7	2477.8	2633.8	2653.6	2731.7	2654.9	2597.9	2485.2	2355.2	2245.0	2231.4
77.5°	1566.4	1624.6	1609.8	1551.6	1488.4	1388.1	1308.9	1286.6	1203.6	1168.9	1097.1
80°	1451.3	1471.1	1442.6	1438.9	1391.8	1280.4	1223.4	1129.3	1116.9	1076.1	1025.3
82.5°	1451.3	1461.2	1466.1	1494.6	1431.5	1346.0	1248.2	1108.3	1060.0	951.0	885.4
85°	688.5	730.6	801.2	863.1	860.6	837.1	729.4	672.4	570.9	489.1	414.8
87.5°	307.1	341.8	381.4	396.3	409.9	396.3	359.1	324.4	266.2	208.0	172.1
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	122.6	122.6	122.6	122.6	121.4	121.4	121.4	121.4	121.4	120.1	120.1
5°	137.4	135.0	130.0	130.0	127.5	126.3	126.3	125.1	125.1	123.8	123.8
7.5°	185.7	184.5	180.8	165.9	143.6	135.0	127.5	127.5	126.3	127.5	130.0
10°	278.6	278.6	276.1	272.4	271.2	266.2	241.5	220.4	206.8	204.3	201.8
12.5°	265.0	271.2	287.3	296.0	296.0	294.7	292.2	284.8	250.1	229.1	224.1
15°	356.6	359.1	360.3	365.3	380.2	382.6	380.2	382.6	380.2	356.6	324.4
17.5°	401.2	392.5	392.5	396.3	411.1	403.7	418.5	463.1	471.8	434.6	438.4
20°	569.6	569.6	572.1	563.4	569.6	580.8	582.0	586.9	596.9	594.4	579.5
22.5°	676.1	667.4	688.5	698.4	702.1	700.9	699.6	697.2	702.1	709.5	703.3
25°	822.2	829.7	830.9	825.9	814.8	809.8	818.5	827.2	853.2	869.3	858.1
27.5°	908.9	931.2	988.2	975.8	968.3	977.0	983.2	1004.3	995.6	989.4	1006.7
30°	1058.7	1055.0	1042.6	1053.8	1068.6	1087.2	1082.3	1067.4	1060.0	1077.3	1072.4
32.5°	1259.3	1244.5	1268.0	1301.4	1325.0	1305.2	1291.5	1308.9	1308.9	1290.3	1311.3
35°	1370.8	1398.0	1433.9	1456.2	1440.1	1440.1	1453.7	1445.1	1451.3	1472.3	1484.7
37.5°	1505.8	1550.3	1572.6	1550.3	1555.3	1585.0	1586.2	1598.6	1611.0	1634.5	1669.2
40°	1677.9	1700.2	1684.1	1682.8	1720.0	1729.9	1752.2	1795.5	1814.1	1847.5	1862.4
42.5°	1890.9	1897.1	1899.5	1944.1	1950.3	1961.4	2018.4	2058.0	2106.3	2119.9	2101.4
45°	2154.6	2150.9	2206.6	2237.6	2245.0	2323.0	2345.3	2375.0	2407.2	2378.8	2425.8
47.5°	2394.8	2455.5	2527.3	2529.8	2593.0	2643.7	2663.6	2690.8	2664.8	2694.5	2659.8
50°	2678.4	2787.4	2776.2	2866.6	2916.2	2926.1	2966.9	2927.3	2932.3	2903.8	2893.9
52.5°	3032.6	3078.4	3073.4	3199.7	3208.4	3243.1	3213.4	3189.8	3186.1	3149.0	3121.7
55°	3648.0	3587.3	3651.7	3698.8	3723.5	3737.2	3643.0	3683.9	3589.8	3588.6	3524.2
57.5°	4782.3	4771.1	4812.0	4760.0	4826.8	4721.6	4715.4	4632.4	4574.2	4573.0	4535.8
60°	6148.1	6321.5	6361.1	6311.6	6184.0	6134.5	6054.0	5983.4	5880.6	5889.3	5812.5
62.5°	6918.3	7157.3	7220.5	7252.6	7088.0	7013.7	6829.2	6711.5	6553.0	6502.2	6378.4
64°	6931.9	7170.9	7287.3	7336.9	7253.9	7137.5	6962.9	6785.8	6624.8	6492.3	6379.7
65°	6829.2	7034.7	7193.2	7242.7	7236.6	7083.0	6938.1	6728.9	6580.3	6397.0	6281.8
67.5°	6275.6	6457.7	6664.5	6746.2	6830.4	6777.1	6653.3	6450.2	6271.9	6051.5	5890.5
70°	5418.7	5577.2	5761.8	5880.6	5972.3	6016.8	5910.3	5754.3	5619.3	5360.5	5171.1
72.5°	4232.5	4258.5	4295.6	4300.6	4264.7	4247.3	4152.0	4163.1	3915.5	3758.2	3649.2
75°	2102.6	2015.9	1805.4	1727.4	1549.1	1443.8	1322.5	1274.2	1147.9	1112.0	1015.4
77.5°	963.4	843.3	695.9	579.5	484.2	418.5	356.6	313.3	277.4	263.8	243.9
80°	943.6	848.2	734.3	648.9	548.6	458.2	372.7	292.2	235.3	200.6	178.3
82.5°	803.6	692.2	615.4	564.7	501.5	438.4	359.1	289.8	222.9	172.1	139.9
85°	329.4	268.7	227.8	206.8	184.5	162.2	139.9	120.1	107.7	91.6	83.0
87.5°	141.2	123.8	113.9	112.7	107.7	104.0	100.3	95.3	84.2	78.0	70.6
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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CATALOG NUMBER: UTLD-F03-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
5°	123.8	123.8	122.6	122.6	122.6	122.6	123.8	122.6	122.6	122.6	122.6
7.5°	131.3	131.3	131.3	131.3	131.3	131.3	131.3	132.5	131.3	131.3	132.5
10°	200.6	199.4	194.4	193.2	190.7	190.7	190.7	191.9	196.9	199.4	201.8
12.5°	219.2	221.7	224.1	219.2	221.7	215.5	219.2	221.7	220.4	221.7	219.2
15°	326.9	326.9	325.7	324.4	320.7	317.0	315.8	315.8	313.3	310.8	313.3
17.5°	433.4	433.4	427.2	422.3	422.3	396.3	414.8	408.6	412.3	395.0	442.1
20°	543.6	541.1	544.8	553.5	557.2	551.0	542.4	532.5	530.0	546.1	565.9
22.5°	702.1	697.2	683.5	666.2	663.7	662.5	678.6	678.6	679.8	687.2	699.6
25°	840.8	813.6	802.4	814.8	818.5	801.2	801.2	807.4	840.8	853.2	854.4
27.5°	1010.4	1001.8	994.3	979.5	973.3	998.1	1011.7	996.8	991.9	1010.4	1010.4
30°	1079.8	1099.6	1098.4	1113.2	1124.4	1093.4	1077.3	1116.9	1113.2	1084.7	1100.8
32.5°	1333.6	1343.5	1357.2	1375.7	1362.1	1381.9	1360.9	1344.8	1370.8	1365.8	1347.3
35°	1483.5	1510.7	1510.7	1511.9	1549.1	1541.7	1533.0	1528.0	1508.2	1521.9	1530.5
37.5°	1666.7	1649.4	1664.3	1682.8	1690.3	1698.9	1701.4	1707.6	1681.6	1664.3	1639.5
40°	1846.3	1867.3	1848.8	1853.7	1868.6	1866.1	1876.0	1889.6	1852.5	1826.5	1791.8
42.5°	2116.2	2108.8	2103.9	2096.4	2079.1	2096.4	2079.1	2039.5	2048.1	2009.7	1960.2
45°	2399.8	2384.9	2386.2	2362.7	2345.3	2298.3	2284.6	2273.5	2226.4	2198.0	2119.9
47.5°	2662.3	2651.2	2611.5	2620.2	2567.0	2511.2	2476.6	2459.2	2394.8	2318.1	2271.0
50°	2887.7	2858.0	2859.2	2802.2	2763.9	2720.5	2666.0	2599.2	2528.6	2456.8	2355.2
52.5°	3092.0	3089.5	3053.6	3014.0	2957.0	2933.5	2840.6	2745.3	2659.8	2574.4	2460.5
55°	3566.3	3522.9	3447.4	3427.6	3400.3	3257.9	3188.6	3072.2	2939.7	2835.7	2683.4
57.5°	4547.0	4490.0	4400.9	4392.2	4225.0	4111.1	3951.4	3815.2	3634.4	3457.3	3233.2
60°	5717.2	5633.0	5639.2	5510.4	5368.0	5231.8	5032.4	4839.2	4589.1	4285.7	3910.5
62.5°	6267.0	6185.2	6114.7	5968.5	5817.5	5667.6	5502.9	5244.1	5002.7	4648.5	4182.9
64°	6248.4	6148.1	6040.4	5893.0	5756.8	5582.2	5415.0	5179.8	4907.3	4579.2	4087.6
65°	6158.0	6046.6	5907.9	5766.7	5603.3	5441.0	5276.3	5063.4	4762.5	4444.2	3948.9
67.5°	5732.0	5588.4	5439.8	5303.6	5131.5	4970.5	4823.1	4631.2	4319.1	3977.4	3532.8
70°	5031.2	4854.1	4690.6	4602.7	4477.6	4334.0	4155.7	3994.7	3706.2	3366.9	2963.2
72.5°	3454.8	3250.5	3136.6	3173.7	3048.7	3004.1	2962.0	2835.7	2583.1	2339.1	2080.3
75°	1081.0	999.3	944.8	1011.7	965.9	1040.2	1016.6	994.3	927.5	899.0	808.6
77.5°	245.2	234.0	229.1	226.6	227.8	226.6	222.9	221.7	217.9	220.4	214.2
80°	169.6	162.2	159.7	156.0	153.5	149.8	146.1	144.9	143.6	141.2	139.9
82.5°	122.6	112.7	111.4	109.0	107.7	105.3	104.0	106.5	105.3	109.0	109.0
85°	79.3	74.3	71.8	73.1	71.8	74.3	75.5	78.0	81.7	85.4	91.6
87.5°	65.6	61.9	61.9	63.2	65.6	68.1	74.3	81.7	87.9	97.8	109.0
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-F03-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1
2.5°	120.1	120.1	120.1	120.1	120.1	120.1	120.1	120.1	122.6	123.8	130.0
5°	122.6	123.8	122.6	123.8	123.8	123.8	125.1	125.1	157.3	190.7	133.7
7.5°	131.3	132.5	131.3	130.0	128.8	127.5	133.7	139.9	175.8	125.1	122.6
10°	203.1	204.3	205.6	217.9	236.5	262.5	267.5	267.5	194.4	169.6	190.7
12.5°	219.2	227.8	265.0	278.6	278.6	278.6	276.1	261.3	205.6	268.7	267.5
15°	335.6	362.8	364.1	365.3	364.1	340.5	318.2	312.0	320.7	288.5	274.9
17.5°	429.7	380.2	414.8	346.7	326.9	331.9	336.8	344.2	391.3	365.3	338.1
20°	575.8	577.0	542.4	530.0	521.3	520.1	522.6	527.5	497.8	409.9	377.7
22.5°	687.2	668.7	674.9	683.5	676.1	658.8	651.3	642.7	589.4	541.1	398.7
25°	825.9	822.2	813.6	812.3	830.9	842.0	833.4	821.0	736.8	543.6	426.0
27.5°	1008.0	1015.4	1012.9	986.9	974.5	991.9	974.5	937.4	825.9	674.9	439.6
30°	1102.1	1119.4	1128.1	1126.8	1097.1	1097.1	1088.5	1113.2	908.9	657.5	450.7
32.5°	1357.2	1358.4	1354.7	1355.9	1351.0	1308.9	1265.5	1242.0	896.5	672.4	429.7
35°	1497.1	1485.9	1488.4	1463.7	1433.9	1403.0	1357.2	1300.2	959.7	616.7	378.9
37.5°	1648.2	1607.3	1564.0	1542.9	1499.6	1462.4	1427.7	1359.6	928.7	570.9	324.4
40°	1753.4	1741.0	1659.3	1606.1	1576.3	1518.1	1458.7	1415.4	870.5	474.3	274.9
42.5°	1878.5	1825.2	1786.8	1682.8	1616.0	1570.1	1485.9	1406.7	778.9	383.9	239.0
45°	2034.5	1931.7	1848.8	1781.9	1642.0	1555.3	1476.0	1380.7	662.5	313.3	216.7
47.5°	2159.6	2048.1	1905.7	1788.1	1672.9	1502.0	1411.6	1301.4	552.3	269.9	201.8
50°	2266.1	2108.8	1947.8	1765.8	1617.2	1440.1	1295.2	1207.3	455.7	235.3	184.5
52.5°	2330.5	2155.9	1957.7	1739.8	1530.5	1367.1	1207.3	1082.3	382.6	210.5	167.2
55°	2467.9	2274.7	2019.6	1758.4	1507.0	1307.6	1161.5	1008.0	339.3	188.2	153.5
57.5°	2931.0	2602.9	2285.9	1939.2	1633.3	1377.0	1201.1	1035.2	315.8	172.1	142.4
60°	3519.2	3073.4	2621.5	2175.7	1798.0	1489.7	1249.4	1076.1	291.0	162.2	136.2
62.5°	3709.9	3193.5	2674.7	2219.0	1786.8	1456.2	1207.3	1016.6	255.1	154.8	135.0
64°	3581.1	3059.8	2557.1	2093.9	1684.1	1357.2	1116.9	921.3	230.3	152.3	139.9
65°	3433.8	2919.9	2446.9	1994.9	1594.9	1270.5	1034.0	851.9	214.2	151.1	144.9
67.5°	3007.8	2533.5	2079.1	1655.6	1307.6	1027.8	801.2	640.2	179.6	154.8	162.2
70°	2526.1	2045.7	1666.7	1290.3	993.1	755.4	567.1	438.4	156.0	164.7	175.8
72.5°	1791.8	1393.1	1147.9	866.8	655.1	478.0	361.6	276.1	137.4	159.7	163.5
75°	709.5	594.4	475.5	370.2	302.1	247.7	208.0	169.6	123.8	142.4	128.8
77.5°	199.4	187.0	173.4	156.0	146.1	137.4	128.8	122.6	111.4	120.1	96.6
80°	133.7	128.8	125.1	121.4	118.9	115.2	112.7	111.4	102.8	100.3	71.8
82.5°	107.7	107.7	109.0	109.0	110.2	111.4	111.4	111.4	100.3	89.2	59.4
85°	97.8	104.0	111.4	120.1	126.3	128.8	130.0	127.5	95.3	76.8	47.1
87.5°	121.4	135.0	148.6	161.0	163.5	168.4	161.0	157.3	76.8	61.9	29.7
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: P157055

CATALOG NUMBER: UTLD-F03-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	120.1	120.1	120.1	120.1	120.1
2.5°	144.9	184.5	193.2	193.2	189.5
5°	123.8	122.6	118.9	118.9	118.9
7.5°	123.8	167.2	188.2	191.9	189.5
10°	189.5	195.6	194.4	190.7	189.5
12.5°	196.9	214.2	252.6	248.9	250.1
15°	322.0	243.9	240.2	232.8	232.8
17.5°	307.1	262.5	274.9	269.9	269.9
20°	339.3	305.9	258.8	257.6	251.4
22.5°	351.7	322.0	281.1	269.9	269.9
25°	361.6	297.2	260.0	276.1	276.1
27.5°	333.1	299.7	252.6	241.5	240.2
30°	340.5	271.2	251.4	237.8	236.5
32.5°	310.8	250.1	226.6	235.3	235.3
35°	277.4	236.5	221.7	224.1	224.1
37.5°	250.1	221.7	222.9	226.6	226.6
40°	225.4	214.2	225.4	230.3	229.1
42.5°	209.3	205.6	210.5	215.5	214.2
45°	194.4	191.9	196.9	199.4	198.1
47.5°	182.0	182.0	183.3	184.5	184.5
50°	169.6	172.1	172.1	172.1	170.9
52.5°	158.5	158.5	161.0	159.7	159.7
55°	147.4	148.6	152.3	149.8	148.6
57.5°	137.4	142.4	142.4	139.9	138.7
60°	132.5	137.4	135.0	130.0	128.8
62.5°	135.0	133.7	128.8	122.6	121.4
64°	138.7	133.7	126.3	118.9	118.9
65°	142.4	133.7	125.1	116.4	116.4
67.5°	157.3	141.2	132.5	115.2	112.7
70°	165.9	152.3	142.4	115.2	110.2
72.5°	151.1	143.6	142.4	112.7	106.5
75°	116.4	121.4	127.5	105.3	100.3
77.5°	89.2	102.8	118.9	91.6	84.2
80°	71.8	97.8	123.8	76.8	64.4
82.5°	61.9	117.6	127.5	63.2	53.2
85°	50.8	132.5	125.1	54.5	38.4
87.5°	37.1	63.2	84.2	49.5	31.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)