

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: P157056

Luminaire Tested: **UTLD-F03-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157056
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-SL2-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6723.5 lumens
Efficiency: N/A
Efficacy: 85.9 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 (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

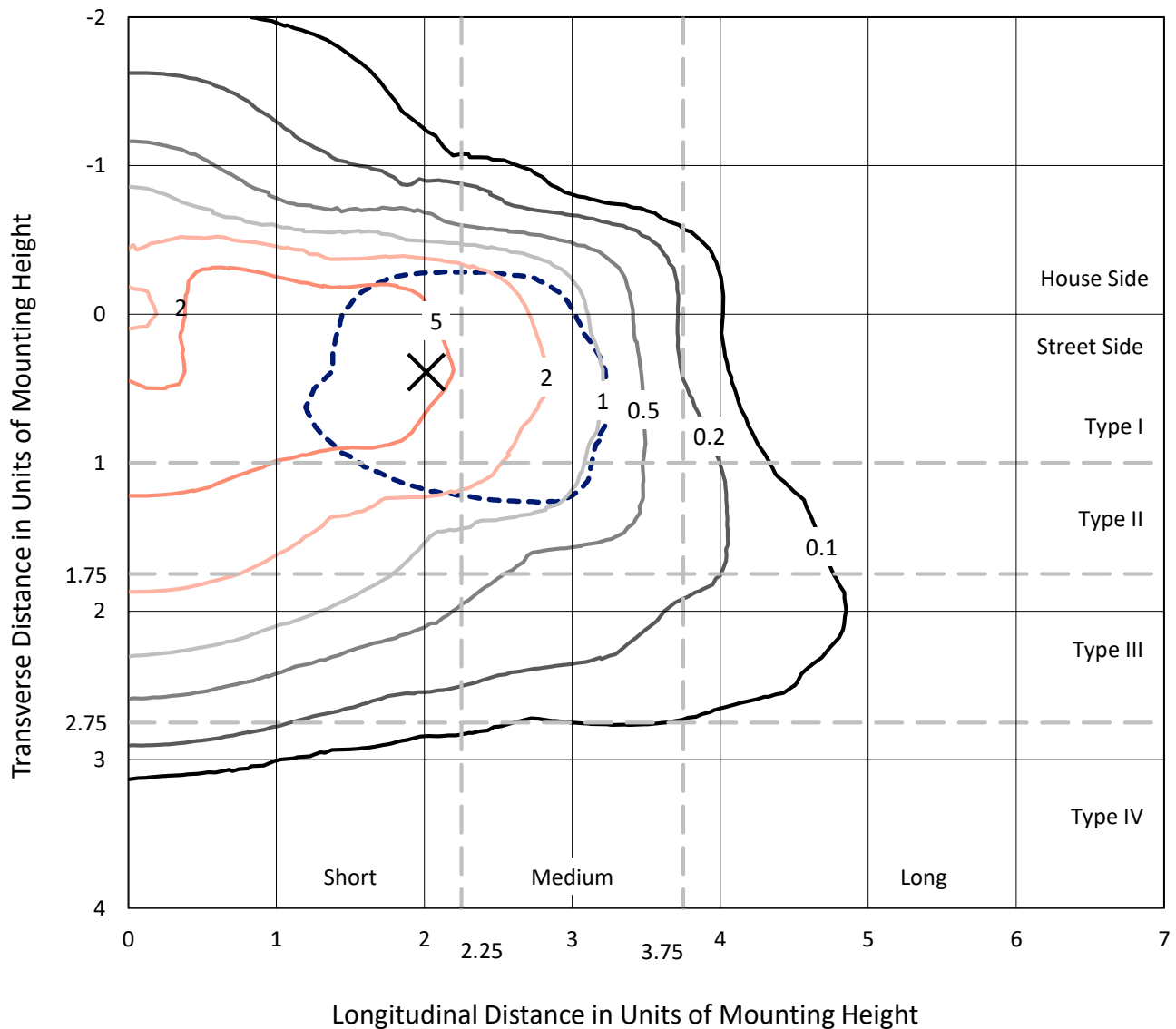


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

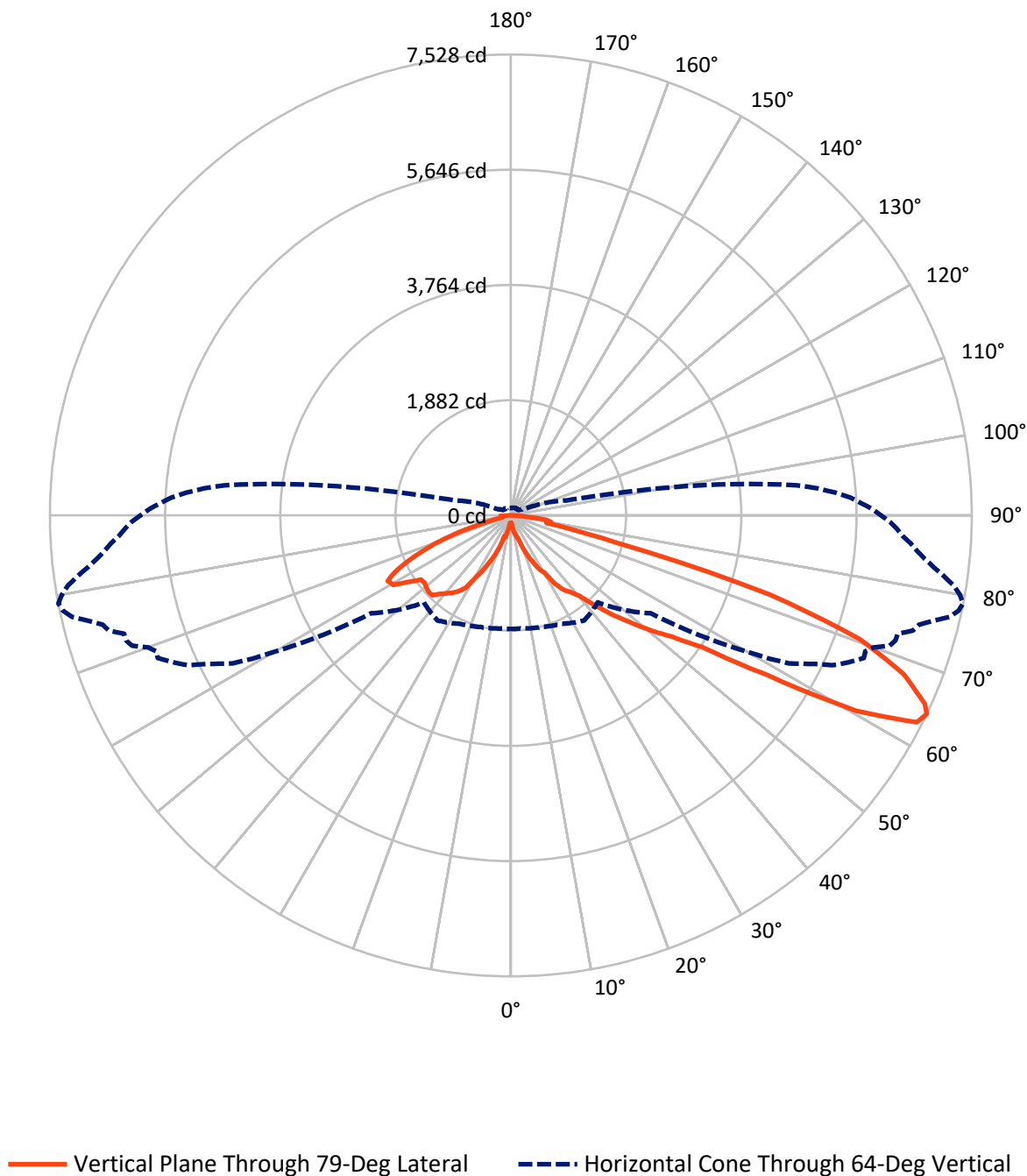


Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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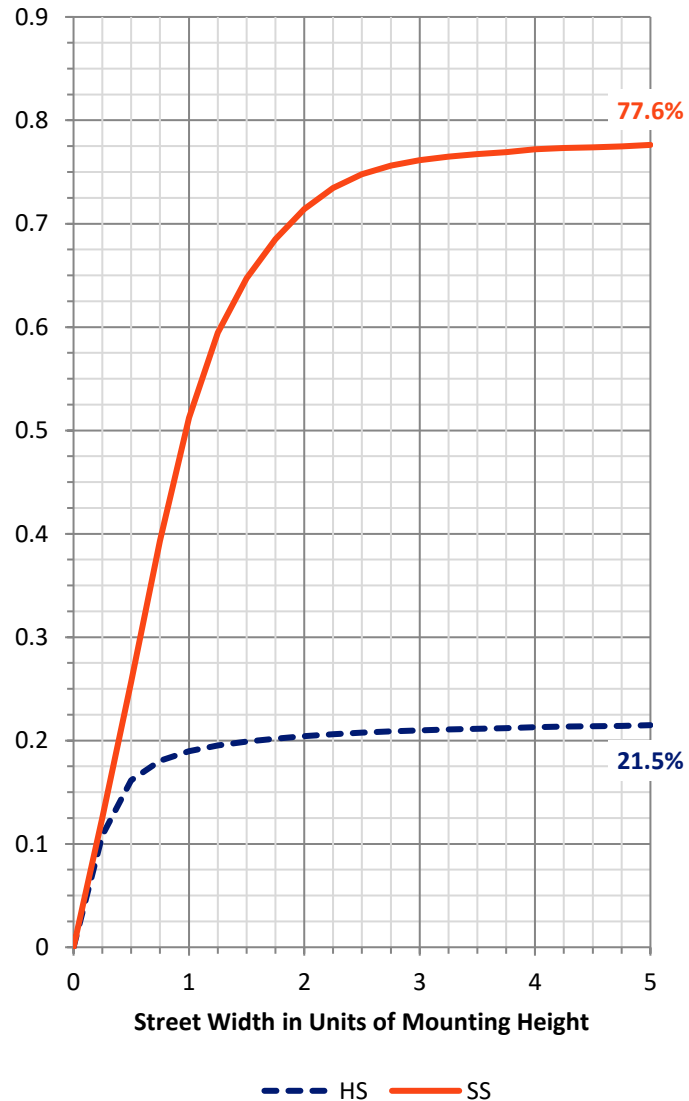
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1477.0	0.0	1477.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5246.5	0.0	5246.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	6723.5	0.0	6723.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.3
10°-20°	98.2	1.5
20°-30°	287.5	4.3
30°-40°	628.3	9.3
40°-50°	1142.7	17.0
50°-60°	1595.7	23.7
60°-70°	2006.5	29.8
70°-80°	777.9	11.6
80°-90°	169.8	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°	6723.5	100.0
0°-180°	6723.5	100.0

Coefficient of Utilization



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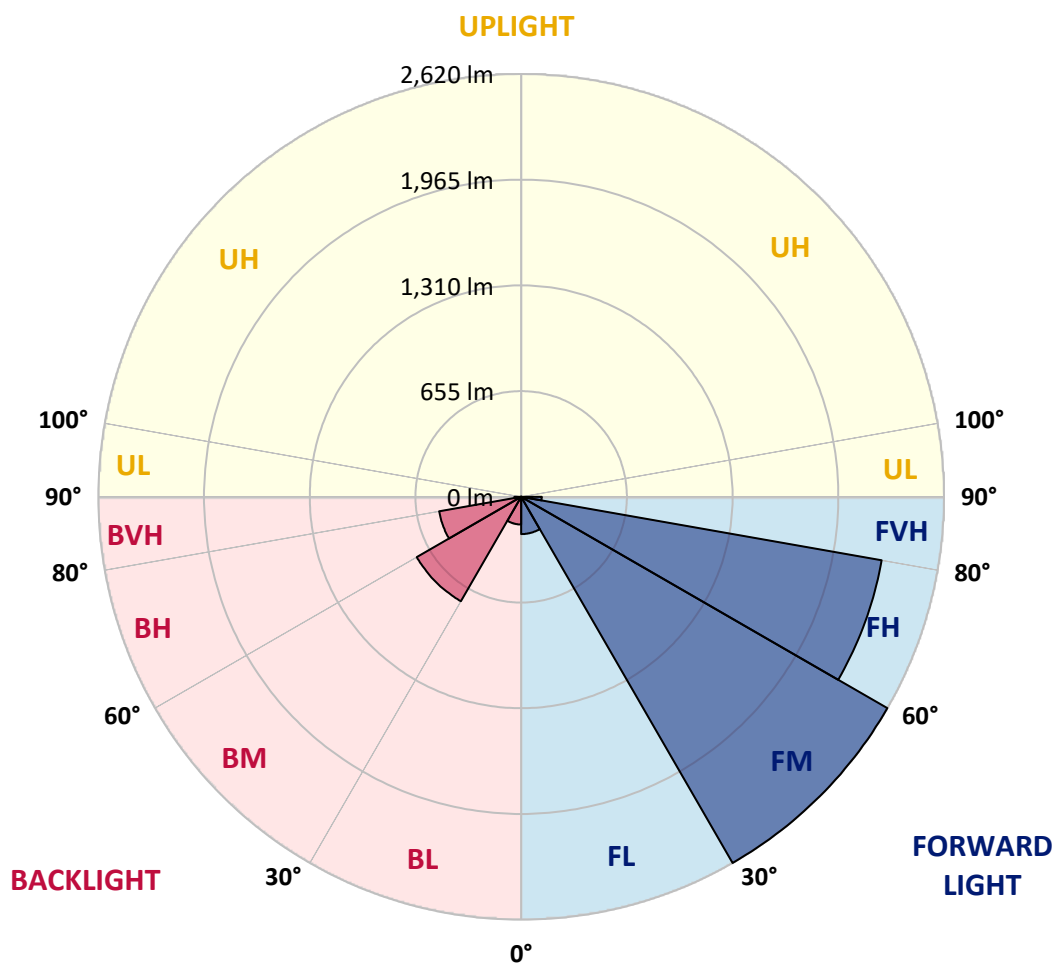
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.0	3.4			
FM	(30°-60°)	2620.0	39.0			
FH	(60°-80°)	2268.1	33.7			G2/5000
FVH	(80°-90°)	127.4	1.9			G2/225
BL	(0°-30°)	171.6	2.6	B1/500		
BM	(30°-60°)	746.7	11.1	B1/1000		
BH	(60°-80°)	516.4	7.7	B2/1000		G2/1000
BVH	(80°-90°)	42.3	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°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	196.9	195.7	198.2	198.2	198.2	195.7	175.3	149.9	148.7	144.8	141.0
5°	162.6	162.6	162.6	163.9	165.2	167.7	177.9	190.6	196.9	198.2	199.5
7.5°	237.6	240.1	240.1	240.1	199.5	171.5	170.3	172.8	170.3	167.7	163.9
10°	244.0	245.2	245.2	247.8	249.0	245.2	209.7	237.6	237.6	238.9	240.1
12.5°	334.2	336.7	335.4	324.0	264.3	324.0	339.3	317.7	296.1	273.2	259.2
15°	354.5	359.6	349.4	339.3	404.1	379.9	358.3	412.9	412.9	416.8	428.2
17.5°	457.4	458.7	451.1	438.4	419.3	429.5	438.4	437.1	444.7	451.1	447.3
20°	548.9	537.5	472.7	507.0	500.6	496.8	498.1	542.6	546.4	548.9	560.3
22.5°	579.4	579.4	552.7	580.7	554.0	560.3	611.2	670.9	668.3	658.2	642.9
25°	706.5	709.0	648.0	601.0	613.7	629.0	659.4	750.9	739.5	752.2	758.6
27.5°	763.6	768.7	714.1	701.4	639.1	707.7	815.7	841.1	850.0	865.3	865.3
30°	917.4	919.9	884.3	784.0	762.4	771.3	881.8	918.7	931.4	947.9	1010.1
32.5°	1149.9	1151.2	1066.0	899.6	857.7	890.7	1021.6	1063.5	1087.6	1064.8	1091.5
35°	1520.9	1509.5	1350.7	1216.0	1111.8	1029.2	1158.8	1306.2	1290.9	1294.8	1307.5
37.5°	1767.4	1782.7	1733.1	1579.4	1506.9	1392.6	1470.1	1489.2	1459.9	1482.8	1490.4
40°	1963.1	1984.7	1964.4	1888.1	1818.2	1767.4	1861.4	1795.4	1753.4	1757.3	1728.0
42.5°	2036.8	2060.9	2081.3	2125.7	2107.9	2162.6	2293.5	2198.2	2190.5	2153.7	2082.5
45°	2087.6	2110.5	2176.6	2265.5	2293.5	2437.0	2663.2	2625.1	2653.0	2573.0	2529.8
47.5°	2097.8	2119.4	2194.3	2334.1	2411.6	2620.0	2969.4	3007.5	3029.1	2985.9	2975.8
50°	2008.8	2026.6	2106.7	2273.1	2386.2	2700.1	3172.7	3312.5	3331.5	3343.0	3351.9
52.5°	1870.3	1891.9	1966.9	2107.9	2251.5	2663.2	3283.3	3552.6	3575.5	3625.1	3684.8
55°	1815.7	1833.5	1880.5	1994.9	2104.1	2512.0	3339.2	3755.9	3792.8	3879.2	3982.1
57.5°	1808.1	1825.9	1867.8	1905.9	2026.6	2335.4	3363.3	3985.9	4100.3	4240.0	4406.5
60°	1874.2	1881.8	1900.8	1902.1	1958.0	2200.7	3289.6	4269.3	4498.0	4702.5	4964.3
62.5°	1918.6	1925.0	1954.2	2007.6	1992.3	2066.0	3040.6	4453.5	4794.0	5096.4	5435.7
64°	1853.8	1853.8	1888.1	1954.2	2092.7	2008.8	2787.7	4447.1	4820.7	5144.7	5531.0
65°	1780.1	1778.9	1810.6	1864.0	2076.2	1999.9	2604.8	4340.4	4726.7	5052.0	5470.0
67.5°	1446.0	1396.4	1425.6	1493.0	1750.9	2020.3	2149.9	3651.7	4048.2	4440.8	4922.4
70°	748.4	775.1	790.3	902.1	1210.9	1738.2	1804.3	2580.6	3031.7	3423.0	4087.6
72.5°	316.4	296.1	332.9	411.7	636.6	1231.2	1659.4	1792.8	2027.9	2339.2	3044.4
75°	171.5	172.8	180.4	204.6	331.6	679.8	1529.8	1579.4	1601.0	1651.8	2027.9
77.5°	127.1	127.1	130.9	130.9	172.8	353.2	1219.8	1493.0	1496.8	1463.7	1550.1
80°	95.3	100.4	106.7	101.6	108.0	200.8	714.1	1355.7	1412.9	1424.4	1495.5
82.5°	78.8	81.3	95.3	91.5	85.1	120.7	335.4	1026.7	1186.8	1280.8	1456.1
85°	53.4	57.2	86.4	83.9	77.5	81.3	194.4	332.9	401.5	463.8	590.8
87.5°	21.6	28.0	55.9	50.8	53.4	45.7	119.4	175.3	193.1	219.8	273.2
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°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	138.5	136.0	134.7	132.1	130.9	129.6	130.9	128.3	127.1	128.3	125.8
5°	198.2	198.2	196.9	194.4	193.1	190.6	189.3	179.2	167.7	161.4	151.2
7.5°	165.2	165.2	167.7	174.1	180.4	186.8	190.6	191.9	190.6	191.9	191.9
10°	240.1	244.0	244.0	246.5	246.5	247.8	249.0	251.6	254.1	269.4	280.8
12.5°	257.9	259.2	259.2	260.5	265.6	270.6	270.6	274.5	271.9	270.6	268.1
15°	421.8	415.5	386.3	382.5	381.2	377.4	367.2	363.4	363.4	365.9	364.7
17.5°	451.1	454.9	449.8	443.4	437.1	423.1	399.0	401.5	399.0	401.5	406.6
20°	564.2	552.7	560.3	588.3	607.4	613.7	620.1	623.9	611.2	592.1	589.6
22.5°	636.6	630.2	645.5	650.6	651.8	664.5	667.1	676.0	710.3	703.9	710.3
25°	759.8	825.9	827.2	831.0	837.3	845.0	839.9	851.3	848.8	858.9	858.9
27.5°	884.3	879.3	884.3	889.4	883.1	879.3	892.0	892.0	916.1	902.1	904.7
30°	1003.8	1007.6	1019.0	1029.2	1036.8	1033.0	1034.3	1052.1	1039.4	1049.5	1064.8
32.5°	1087.6	1102.9	1130.8	1138.5	1210.9	1199.5	1231.2	1246.5	1259.2	1279.5	1298.6
35°	1327.8	1339.2	1354.5	1354.5	1346.9	1365.9	1379.9	1390.1	1402.8	1434.5	1424.4
37.5°	1494.2	1495.5	1500.6	1467.6	1489.2	1498.1	1498.1	1519.7	1542.5	1543.8	1520.9
40°	1715.3	1684.8	1672.1	1642.9	1669.6	1632.7	1660.7	1655.6	1672.1	1651.8	1664.5
42.5°	2049.5	2003.8	1932.6	1922.4	1899.6	1879.2	1855.1	1875.4	1839.8	1855.1	1894.5
45°	2473.9	2351.9	2320.1	2287.1	2193.1	2177.8	2166.4	2119.4	2073.6	2123.2	2190.5
47.5°	2917.3	2782.6	2739.4	2677.2	2614.9	2534.9	2487.9	2390.0	2367.2	2429.4	2473.9
50°	3290.9	3188.0	3195.6	3107.9	3030.4	2978.3	2848.7	2750.9	2745.8	2767.4	2745.8
52.5°	3618.7	3597.1	3600.9	3546.3	3494.2	3429.4	3273.1	3214.7	3175.3	3142.2	3054.6
55°	3945.3	4016.4	4010.1	4052.0	4040.6	3993.5	3883.0	3895.7	3880.5	3772.5	3684.8
57.5°	4485.3	4594.5	4663.2	4724.1	4853.7	4839.8	4818.2	5012.6	5004.9	4902.0	4942.7
60°	5191.7	5309.9	5484.0	5640.3	5785.1	5824.5	5947.7	6214.6	6191.7	6203.1	6337.8
62.5°	5725.4	5874.0	6059.6	6242.5	6240.0	6342.9	6590.7	6725.4	6699.9	6882.9	6989.6
64°	5790.2	5947.7	6082.4	6219.7	6200.6	6304.8	6541.1	6605.9	6607.2	6829.5	6902.0
65°	5694.9	5862.6	5960.4	6081.2	6058.3	6172.6	6407.7	6405.2	6442.0	6668.2	6731.7
67.5°	5110.4	5337.8	5417.9	5462.4	5487.8	5659.3	5787.6	5734.3	5893.1	5985.9	6139.6
70°	4309.9	4564.0	4703.8	4722.9	4811.8	4984.6	5078.6	4978.3	5173.9	5111.7	5379.8
72.5°	3398.9	3636.5	3846.1	3869.0	4020.2	4109.2	4100.3	4101.5	4132.0	4034.2	4257.8
75°	2360.8	2542.5	2702.6	2722.9	2803.0	2724.2	2665.7	2550.1	2416.7	2303.6	2289.6
77.5°	1607.3	1667.0	1651.8	1592.1	1527.3	1424.4	1343.0	1320.2	1235.0	1199.5	1125.8
80°	1489.2	1509.5	1480.3	1476.5	1428.2	1313.8	1255.4	1158.8	1146.1	1104.2	1052.1
82.5°	1489.2	1499.3	1504.4	1533.6	1468.8	1381.2	1280.8	1137.2	1087.6	975.8	908.5
85°	706.5	749.7	822.1	885.6	883.1	858.9	748.4	689.9	585.8	501.9	425.7
87.5°	315.1	350.7	391.3	406.6	420.6	406.6	368.5	332.9	273.2	213.5	176.6
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	125.8	125.8	125.8	125.8	124.5	124.5	124.5	124.5	124.5	123.2	123.2
5°	141.0	138.5	133.4	133.4	130.9	129.6	129.6	128.3	128.3	127.1	127.1
7.5°	190.6	189.3	185.5	170.3	147.4	138.5	130.9	130.9	129.6	130.9	133.4
10°	285.9	285.9	283.3	279.5	278.3	273.2	247.8	226.2	212.2	209.7	207.1
12.5°	271.9	278.3	294.8	303.7	303.7	302.4	299.9	292.2	256.7	235.1	230.0
15°	365.9	368.5	369.7	374.8	390.1	392.6	390.1	392.6	390.1	365.9	332.9
17.5°	411.7	402.8	402.8	406.6	421.8	414.2	429.5	475.2	484.1	446.0	449.8
20°	584.5	584.5	587.0	578.1	584.5	595.9	597.2	602.3	612.4	609.9	594.6
22.5°	693.8	684.9	706.5	716.6	720.4	719.2	717.9	715.4	720.4	728.1	721.7
25°	843.7	851.3	852.6	847.5	836.1	831.0	839.9	848.8	875.5	892.0	880.5
27.5°	932.6	955.5	1013.9	1001.2	993.6	1002.5	1008.9	1030.5	1021.6	1015.2	1033.0
30°	1086.4	1082.6	1069.9	1081.3	1096.5	1115.6	1110.5	1095.3	1087.6	1105.4	1100.4
32.5°	1292.2	1277.0	1301.1	1335.4	1359.6	1339.2	1325.2	1343.0	1343.0	1324.0	1345.6
35°	1406.6	1434.5	1471.4	1494.2	1477.7	1477.7	1491.7	1482.8	1489.2	1510.8	1523.5
37.5°	1545.1	1590.8	1613.7	1590.8	1595.9	1626.4	1627.7	1640.4	1653.1	1677.2	1712.8
40°	1721.7	1744.6	1728.0	1726.8	1764.9	1775.0	1797.9	1842.4	1861.4	1895.8	1911.0
42.5°	1940.2	1946.6	1949.1	1994.9	2001.2	2012.7	2071.1	2111.8	2161.3	2175.3	2156.2
45°	2210.9	2207.1	2264.2	2296.0	2303.6	2383.7	2406.5	2437.0	2470.1	2440.8	2489.1
47.5°	2457.4	2519.6	2593.3	2595.9	2660.7	2712.8	2733.1	2761.0	2734.4	2764.9	2729.3
50°	2748.3	2860.2	2848.7	2941.5	2992.3	3002.5	3044.4	3003.7	3008.8	2979.6	2969.4
52.5°	3111.7	3158.7	3153.7	3283.3	3292.2	3327.7	3297.2	3273.1	3269.3	3231.2	3203.2
55°	3743.2	3681.0	3747.0	3795.3	3820.7	3834.7	3738.1	3780.1	3683.5	3682.2	3616.2
57.5°	4907.1	4895.7	4937.6	4884.2	4952.9	4844.8	4838.5	4753.4	4693.6	4692.4	4654.3
60°	6308.6	6486.5	6527.1	6476.3	6345.4	6294.6	6212.0	6139.6	6034.1	6043.0	5964.3
62.5°	7098.9	7344.1	7408.9	7442.0	7273.0	7196.8	7007.4	6886.7	6724.1	6672.0	6544.9
64°	7112.9	7358.1	7477.6	7528.4	7443.3	7323.8	7144.7	6963.0	6797.8	6661.8	6546.2
65°	7007.4	7218.4	7381.0	7431.8	7425.5	7267.9	7119.2	6904.5	6752.0	6564.0	6445.8
67.5°	6439.5	6626.2	6838.4	6922.3	7008.7	6954.1	6827.0	6618.6	6435.7	6209.5	6044.3
70°	5560.2	5722.8	5912.2	6034.1	6128.2	6173.9	6064.6	5904.5	5766.0	5500.5	5306.1
72.5°	4343.0	4369.6	4407.8	4412.8	4376.0	4358.2	4260.4	4271.8	4017.7	3856.3	3744.5
75°	2157.5	2068.6	1852.6	1772.5	1589.5	1481.5	1357.0	1307.5	1177.9	1141.0	1041.9
77.5°	988.5	865.3	714.1	594.6	496.8	429.5	365.9	321.5	284.6	270.6	250.3
80°	968.2	870.4	753.5	665.8	562.9	470.1	382.5	299.9	241.4	205.8	183.0
82.5°	824.6	710.3	631.5	579.4	514.6	449.8	368.5	297.3	228.7	176.6	143.6
85°	338.0	275.7	233.8	212.2	189.3	166.5	143.6	123.2	110.5	94.0	85.1
87.5°	144.8	127.1	116.9	115.6	110.5	106.7	102.9	97.8	86.4	80.0	72.4
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-SL2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
5°	127.1	127.1	125.8	125.8	125.8	125.8	127.1	125.8	125.8	125.8	125.8
7.5°	134.7	134.7	134.7	134.7	134.7	134.7	134.7	136.0	134.7	134.7	136.0
10°	205.8	204.6	199.5	198.2	195.7	195.7	195.7	196.9	202.0	204.6	207.1
12.5°	224.9	227.4	230.0	224.9	227.4	221.1	224.9	227.4	226.2	227.4	224.9
15°	335.4	335.4	334.2	332.9	329.1	325.3	324.0	324.0	321.5	318.9	321.5
17.5°	444.7	444.7	438.4	433.3	433.3	406.6	425.7	419.3	423.1	405.3	453.6
20°	557.8	555.3	559.1	568.0	571.8	565.4	556.5	546.4	543.8	560.3	580.7
22.5°	720.4	715.4	701.4	683.6	681.0	679.8	696.3	696.3	697.6	705.2	717.9
25°	862.7	834.8	823.4	836.1	839.9	822.1	822.1	828.4	862.7	875.5	876.7
27.5°	1036.8	1027.9	1020.3	1005.1	998.7	1024.1	1038.1	1022.8	1017.8	1036.8	1036.8
30°	1108.0	1128.3	1127.0	1142.3	1153.7	1122.0	1105.4	1146.1	1142.3	1113.1	1129.6
32.5°	1368.5	1378.6	1392.6	1411.7	1397.7	1418.0	1396.4	1379.9	1406.6	1401.5	1382.4
35°	1522.2	1550.1	1550.1	1551.4	1589.5	1581.9	1573.0	1567.9	1547.6	1561.6	1570.5
37.5°	1710.2	1692.5	1707.7	1726.8	1734.4	1743.3	1745.8	1752.2	1725.5	1707.7	1682.3
40°	1894.5	1916.1	1897.0	1902.1	1917.4	1914.8	1925.0	1939.0	1900.8	1874.2	1838.6
42.5°	2171.5	2163.9	2158.8	2151.1	2133.4	2151.1	2133.4	2092.7	2101.6	2062.2	2011.4
45°	2462.4	2447.2	2448.5	2424.3	2406.5	2358.3	2344.3	2332.8	2284.6	2255.3	2175.3
47.5°	2731.8	2720.4	2679.7	2688.6	2634.0	2576.8	2541.2	2523.4	2457.4	2378.6	2330.3
50°	2963.1	2932.6	2933.8	2875.4	2836.0	2791.5	2735.6	2667.0	2594.6	2520.9	2416.7
52.5°	3172.7	3170.2	3133.3	3092.7	3034.2	3010.1	2914.8	2816.9	2729.3	2641.6	2524.7
55°	3659.4	3614.9	3537.4	3517.1	3489.1	3343.0	3271.8	3152.4	3016.4	2909.7	2753.4
57.5°	4665.7	4607.2	4515.8	4506.9	4335.3	4218.4	4054.5	3914.8	3729.3	3547.6	3317.6
60°	5866.4	5780.0	5786.4	5654.2	5508.1	5368.3	5163.8	4965.6	4708.9	4397.6	4012.6
62.5°	6430.6	6346.7	6274.3	6124.4	5969.3	5815.6	5646.6	5381.0	5133.3	4769.9	4292.1
64°	6411.5	6308.6	6198.1	6046.8	5907.1	5727.9	5556.4	5315.0	5035.4	4698.7	4194.3
65°	6318.8	6204.4	6062.1	5917.2	5749.5	5583.1	5414.1	5195.5	4886.8	4560.2	4052.0
67.5°	5881.7	5734.3	5581.8	5442.0	5265.4	5100.2	4949.0	4752.1	4431.9	4081.2	3625.1
70°	5162.5	4980.8	4813.1	4722.9	4594.5	4447.1	4264.2	4099.0	3802.9	3454.8	3040.6
72.5°	3545.0	3335.4	3218.5	3256.6	3128.3	3082.5	3039.3	2909.7	2650.5	2400.2	2134.6
75°	1109.2	1025.4	969.5	1038.1	991.1	1067.3	1043.2	1020.3	951.7	922.5	829.7
77.5°	251.6	240.1	235.1	232.5	233.8	232.5	228.7	227.4	223.6	226.2	219.8
80°	174.1	166.5	163.9	160.1	157.6	153.7	149.9	148.7	147.4	144.8	143.6
82.5°	125.8	115.6	114.4	111.8	110.5	108.0	106.7	109.3	108.0	111.8	111.8
85°	81.3	76.2	73.7	75.0	73.7	76.2	77.5	80.0	83.9	87.7	94.0
87.5°	67.3	63.5	63.5	64.8	67.3	69.9	76.2	83.9	90.2	100.4	111.8
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-F03-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2
2.5°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	123.2	125.8	127.1	133.4
5°	125.8	127.1	125.8	127.1	127.1	127.1	128.3	128.3	161.4	195.7	137.2
7.5°	134.7	136.0	134.7	133.4	132.1	130.9	137.2	143.6	180.4	128.3	125.8
10°	208.4	209.7	210.9	223.6	242.7	269.4	274.5	274.5	199.5	174.1	195.7
12.5°	224.9	233.8	271.9	285.9	285.9	285.9	283.3	268.1	210.9	275.7	274.5
15°	344.3	372.3	373.6	374.8	373.6	349.4	326.5	320.2	329.1	296.1	282.1
17.5°	440.9	390.1	425.7	355.8	335.4	340.5	345.6	353.2	401.5	374.8	346.9
20°	590.8	592.1	556.5	543.8	534.9	533.7	536.2	541.3	510.8	420.6	387.5
22.5°	705.2	686.1	692.5	701.4	693.8	676.0	668.3	659.4	604.8	555.3	409.1
25°	847.5	843.7	834.8	833.5	852.6	864.0	855.1	842.4	756.0	557.8	437.1
27.5°	1034.3	1041.9	1039.4	1012.7	1000.0	1017.8	1000.0	961.9	847.5	692.5	451.1
30°	1130.8	1148.6	1157.5	1156.3	1125.8	1125.8	1116.9	1142.3	932.6	674.7	462.5
32.5°	1392.6	1393.9	1390.1	1391.3	1386.2	1343.0	1298.6	1274.4	919.9	689.9	440.9
35°	1536.2	1524.7	1527.3	1501.9	1471.4	1439.6	1392.6	1334.1	984.7	632.8	388.8
37.5°	1691.2	1649.3	1604.8	1583.2	1538.7	1500.6	1465.0	1395.1	953.0	585.8	332.9
40°	1799.2	1786.5	1702.6	1648.0	1617.5	1557.8	1496.8	1452.3	893.2	486.6	282.1
42.5°	1927.5	1872.9	1833.5	1726.8	1658.2	1611.1	1524.7	1443.4	799.2	393.9	245.2
45°	2087.6	1982.2	1897.0	1828.4	1684.8	1595.9	1514.6	1416.7	679.8	321.5	222.4
47.5°	2215.9	2101.6	1955.5	1834.8	1716.6	1541.3	1448.5	1335.4	566.7	277.0	207.1
50°	2325.2	2163.9	1998.7	1811.9	1659.4	1477.7	1329.1	1238.8	467.6	241.4	189.3
52.5°	2391.3	2212.1	2008.8	1785.2	1570.5	1402.8	1238.8	1110.5	392.6	216.0	171.5
55°	2532.3	2334.1	2072.4	1804.3	1546.3	1341.8	1191.8	1034.3	348.1	193.1	157.6
57.5°	3007.5	2670.8	2345.6	1989.8	1675.9	1412.9	1232.5	1062.2	324.0	176.6	146.1
60°	3611.1	3153.7	2689.9	2232.5	1844.9	1528.5	1282.0	1104.2	298.6	166.5	139.8
62.5°	3806.8	3276.9	2744.5	2276.9	1833.5	1494.2	1238.8	1043.2	261.7	158.8	138.5
64°	3674.6	3139.7	2623.8	2148.6	1728.0	1392.6	1146.1	945.3	236.3	156.3	143.6
65°	3523.4	2996.1	2510.7	2047.0	1636.6	1303.6	1061.0	874.2	219.8	155.0	148.7
67.5°	3086.3	2599.7	2133.4	1698.8	1341.8	1054.6	822.1	656.9	184.2	158.8	166.5
70°	2592.1	2099.1	1710.2	1324.0	1019.0	775.1	581.9	449.8	160.1	169.0	180.4
72.5°	1838.6	1429.4	1177.9	889.4	672.2	490.5	371.0	283.3	141.0	163.9	167.7
75°	728.1	609.9	487.9	379.9	310.0	254.1	213.5	174.1	127.1	146.1	132.1
77.5°	204.6	191.9	177.9	160.1	149.9	141.0	132.1	125.8	114.4	123.2	99.1
80°	137.2	132.1	128.3	124.5	122.0	118.2	115.6	114.4	105.5	102.9	73.7
82.5°	110.5	110.5	111.8	111.8	113.1	114.4	114.4	114.4	102.9	91.5	61.0
85°	100.4	106.7	114.4	123.2	129.6	132.1	133.4	130.9	97.8	78.8	48.3
87.5°	124.5	138.5	152.5	165.2	167.7	172.8	165.2	161.4	78.8	63.5	30.5
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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CATALOG NUMBER: UTLD-F03-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	123.2	123.2	123.2	123.2	123.2
2.5°	148.7	189.3	198.2	198.2	194.4
5°	127.1	125.8	122.0	122.0	122.0
7.5°	127.1	171.5	193.1	196.9	194.4
10°	194.4	200.8	199.5	195.7	194.4
12.5°	202.0	219.8	259.2	255.4	256.7
15°	330.4	250.3	246.5	238.9	238.9
17.5°	315.1	269.4	282.1	277.0	277.0
20°	348.1	313.8	265.6	264.3	257.9
22.5°	360.9	330.4	288.4	277.0	277.0
25°	371.0	304.9	266.8	283.3	283.3
27.5°	341.8	307.5	259.2	247.8	246.5
30°	349.4	278.3	257.9	244.0	242.7
32.5°	318.9	256.7	232.5	241.4	241.4
35°	284.6	242.7	227.4	230.0	230.0
37.5°	256.7	227.4	228.7	232.5	232.5
40°	231.3	219.8	231.3	236.3	235.1
42.5°	214.7	210.9	216.0	221.1	219.8
45°	199.5	196.9	202.0	204.6	203.3
47.5°	186.8	186.8	188.1	189.3	189.3
50°	174.1	176.6	176.6	176.6	175.3
52.5°	162.6	162.6	165.2	163.9	163.9
55°	151.2	152.5	156.3	153.7	152.5
57.5°	141.0	146.1	146.1	143.6	142.3
60°	136.0	141.0	138.5	133.4	132.1
62.5°	138.5	137.2	132.1	125.8	124.5
64°	142.3	137.2	129.6	122.0	122.0
65°	146.1	137.2	128.3	119.4	119.4
67.5°	161.4	144.8	136.0	118.2	115.6
70°	170.3	156.3	146.1	118.2	113.1
72.5°	155.0	147.4	146.1	115.6	109.3
75°	119.4	124.5	130.9	108.0	102.9
77.5°	91.5	105.5	122.0	94.0	86.4
80°	73.7	100.4	127.1	78.8	66.1
82.5°	63.5	120.7	130.9	64.8	54.6
85°	52.1	136.0	128.3	55.9	39.4
87.5°	38.1	64.8	86.4	50.8	31.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)