

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: P157144

Luminaire Tested: **UTLD-F03-LED-E-U-T2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157144
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-F03-LED-E-U-T2-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6057.1 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-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

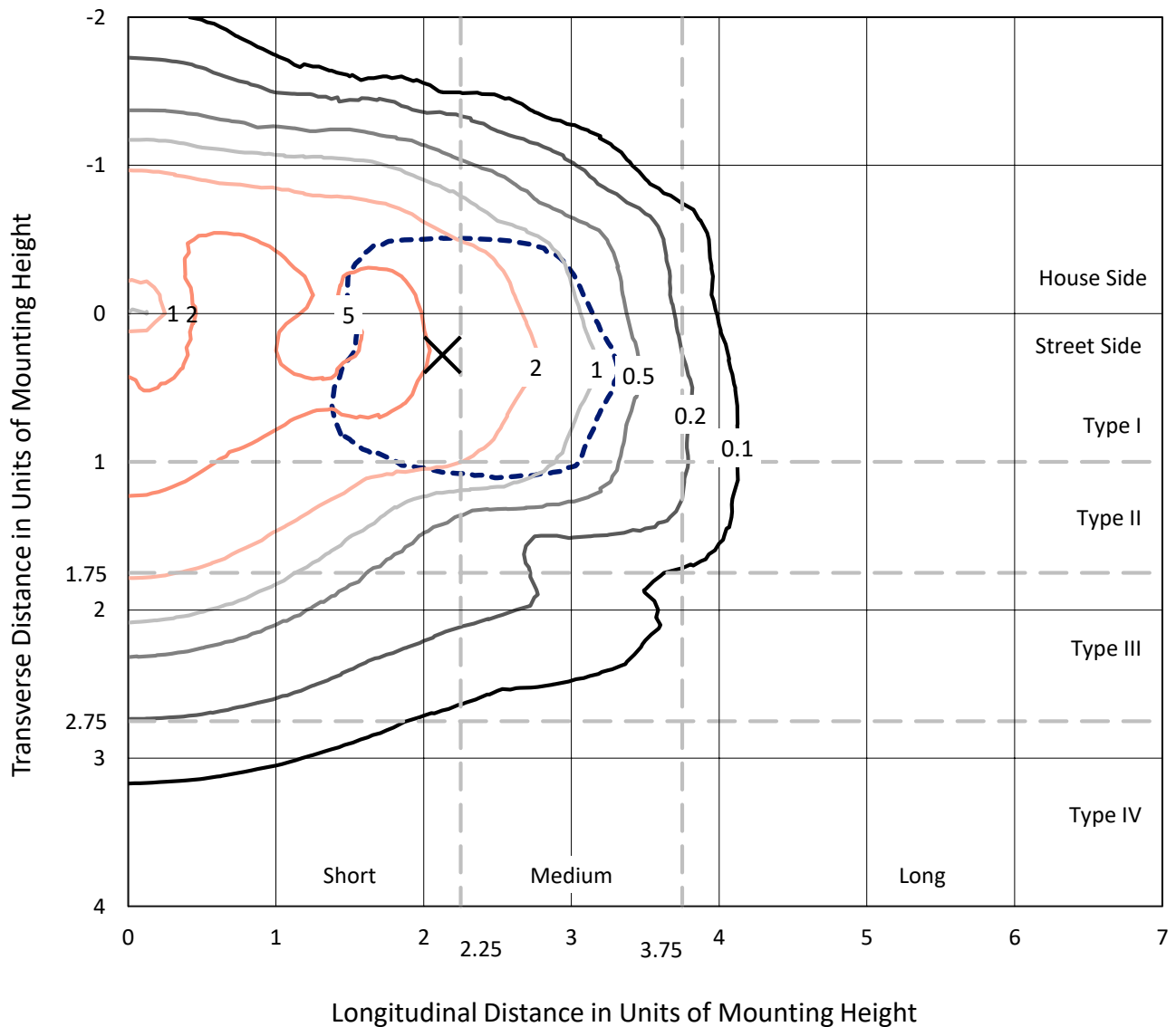


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

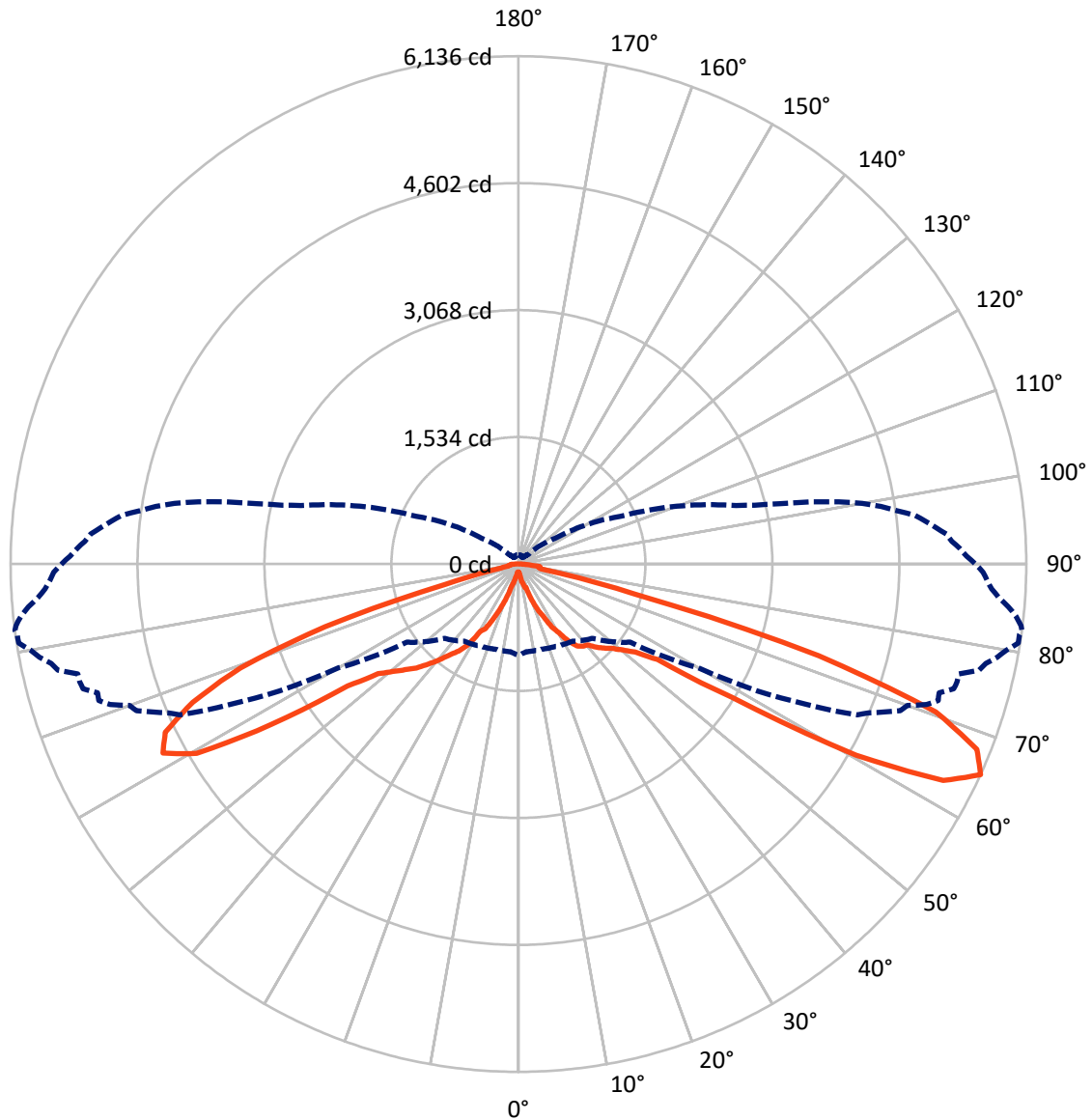


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - Semi-Cutoff

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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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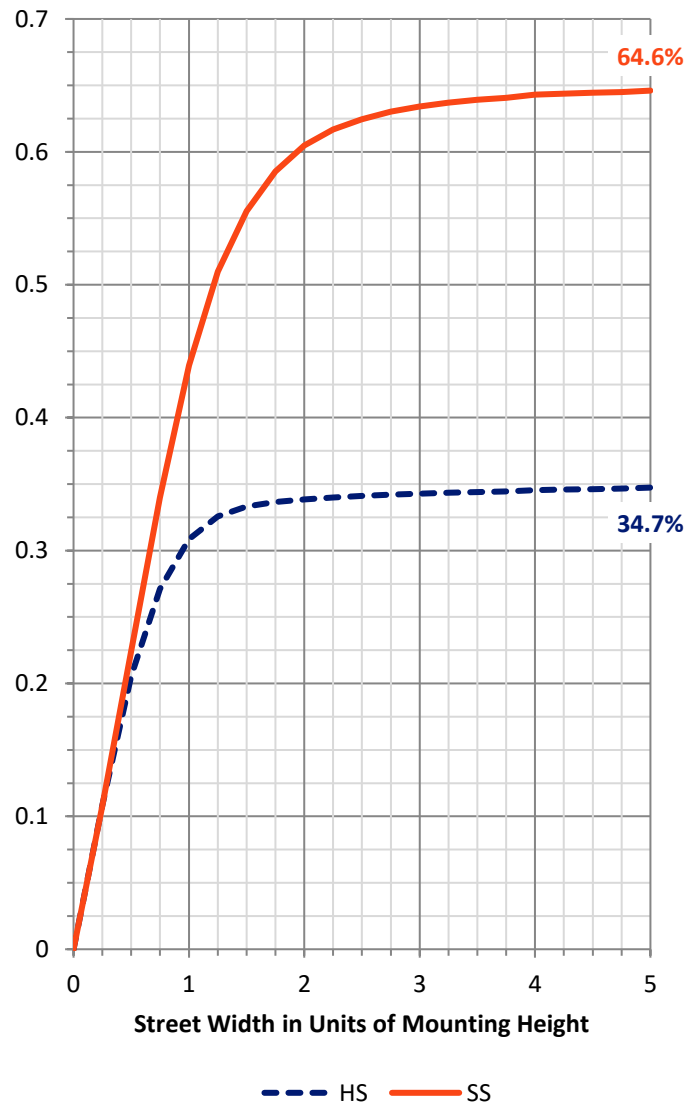
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2134.6	0.0	2134.6
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	3922.5	0.0	3922.5
	% Fixture	64.8	0.0	64.8
Total	Lumens	6057.1	0.0	6057.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.2
10°-20°	89.4	1.5
20°-30°	299.4	4.9
30°-40°	660.6	10.9
40°-50°	1044.1	17.2
50°-60°	1481.2	24.5
60°-70°	1762.3	29.1
70°-80°	595.9	9.8
80°-90°	110.5	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°	6057.1	100.0
0°-180°	6057.1	100.0

Coefficient of Utilization



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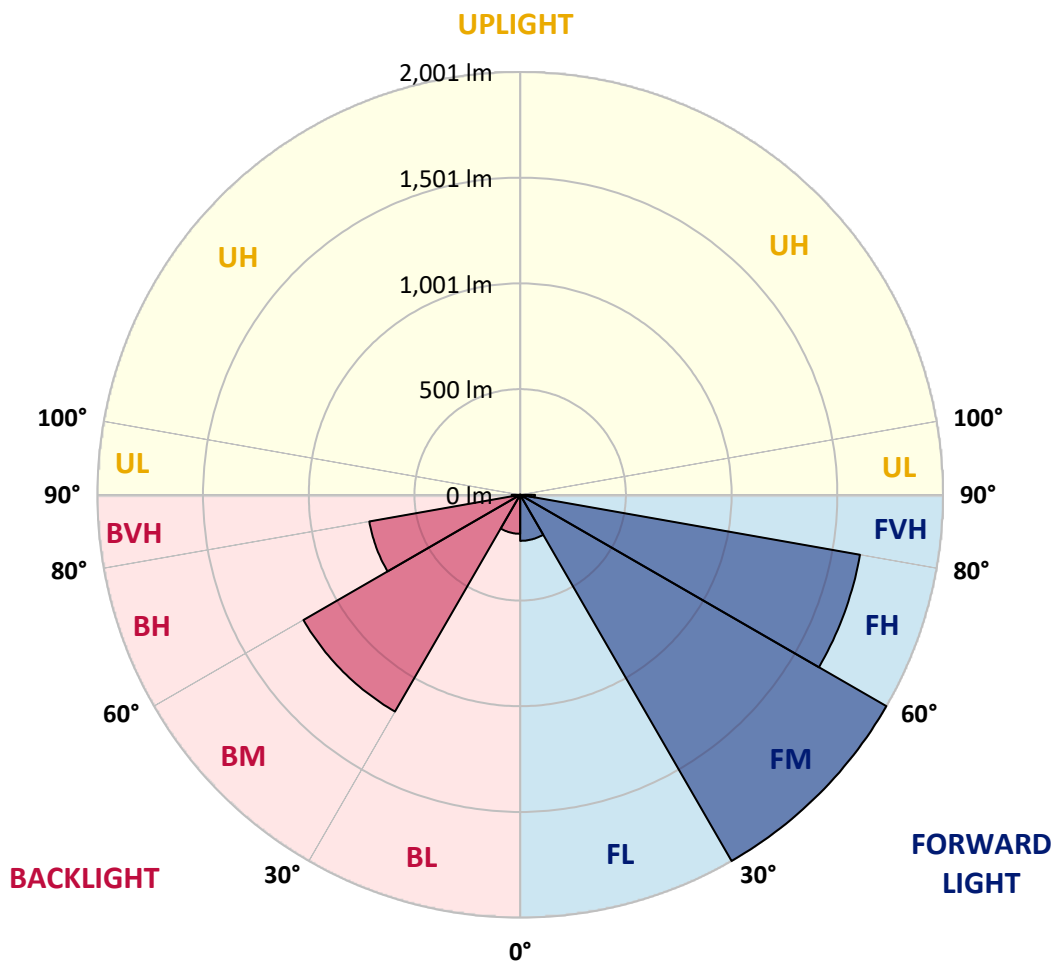
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.9	3.6			
FM	(30°-60°)	2001.3	33.0			
FH	(60°-80°)	1633.2	27.0			G1/1800
FVH	(80°-90°)	70.1	1.2			G1/100
BL	(0°-30°)	184.6	3.0	B1/500		
BM	(30°-60°)	1184.6	19.6	B2/2500		
BH	(60°-80°)	725.0	12.0	B2/1000		G2/1000
BVH	(80°-90°)	40.4	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°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	138.0	138.0	138.0	144.8	161.7	161.7	160.6	161.7	159.5	157.2	153.8
5°	143.6	147.0	144.8	143.6	141.4	140.2	139.1	138.0	138.0	140.2	145.9
7.5°	219.4	220.5	219.4	221.7	214.9	154.9	144.8	143.6	147.0	148.2	145.9
10°	261.3	244.3	238.6	234.1	228.5	218.3	217.2	211.5	209.2	208.1	202.4
12.5°	333.6	333.6	331.4	316.7	302.0	294.1	300.8	285.0	282.7	276.0	255.6
15°	440.0	438.8	364.2	347.2	390.2	371.0	313.3	331.4	349.5	347.2	348.3
17.5°	470.5	470.5	464.8	446.7	420.7	394.7	424.1	371.0	369.8	371.0	376.6
20°	583.6	583.6	561.0	521.4	497.6	471.6	454.7	496.5	482.9	472.8	464.8
22.5°	588.1	588.1	572.3	602.8	561.0	536.1	581.3	590.4	601.7	602.8	590.4
25°	679.7	680.9	665.0	619.8	626.6	614.1	639.0	700.1	700.1	689.9	719.3
27.5°	775.9	777.0	678.6	697.8	675.2	720.4	787.2	817.7	795.1	803.0	805.3
30°	821.1	822.2	816.6	809.8	782.6	800.7	834.7	862.9	877.6	931.9	915.0
32.5°	1013.4	1014.5	978.3	894.6	910.4	944.4	959.1	965.9	982.8	991.9	991.9
35°	1241.8	1238.4	1172.8	1099.3	1051.8	1045.0	1063.1	1120.8	1150.2	1121.9	1134.4
37.5°	1425.0	1409.2	1335.7	1288.2	1237.3	1223.7	1238.4	1230.5	1232.8	1196.6	1196.6
40°	1551.7	1552.8	1512.1	1471.4	1394.5	1418.3	1377.5	1366.2	1335.7	1328.9	1299.5
42.5°	1685.2	1690.8	1638.8	1587.9	1515.5	1580.0	1543.8	1526.8	1459.0	1478.2	1440.9
45°	1824.3	1828.8	1768.9	1698.7	1635.4	1733.8	1725.9	1697.6	1662.6	1665.9	1626.4
47.5°	1927.2	1936.3	1868.4	1785.8	1742.9	1859.3	1898.9	1896.7	1892.1	1860.5	1844.6
50°	1987.1	1992.8	1918.2	1857.1	1803.9	1953.2	2077.6	2098.0	2134.2	2072.0	2113.8
52.5°	2006.4	2009.8	1935.1	1868.4	1817.5	2005.2	2213.3	2325.3	2351.3	2340.0	2405.6
55°	1953.2	1957.7	1902.3	1842.4	1797.1	2013.2	2321.9	2540.2	2556.0	2588.8	2720.0
57.5°	1866.1	1863.9	1852.6	1789.2	1784.7	2006.4	2412.4	2813.9	2823.0	2982.4	3217.7
60°	1754.2	1758.7	1753.0	1720.2	1740.6	1934.0	2393.2	2967.7	3072.9	3318.3	3690.4
62.5°	1578.9	1586.8	1563.0	1517.8	1533.6	1684.0	2167.0	2896.5	3141.9	3460.8	3913.2
65°	1103.8	1064.3	1066.5	1093.7	1140.0	1269.0	1646.7	2508.5	2895.3	3267.4	3863.5
67.5°	635.6	646.9	645.8	672.9	729.5	831.3	1053.0	1679.5	2029.0	2461.0	3209.8
70°	488.6	488.6	504.4	540.6	575.7	693.3	756.6	909.3	1069.9	1360.6	2055.0
72.5°	367.6	366.4	381.1	415.1	485.2	634.5	885.6	628.8	650.3	706.9	1111.8
75°	213.8	208.1	213.8	237.5	296.3	473.9	895.7	700.1	668.4	627.7	699.0
77.5°	110.8	110.8	116.5	122.1	151.6	243.2	645.8	855.0	827.9	758.9	712.5
80°	63.3	65.6	70.1	70.1	73.5	100.7	280.5	836.9	924.0	945.5	927.4
82.5°	31.7	36.2	49.8	49.8	48.6	50.9	105.2	490.8	668.4	829.0	1117.4
85°	18.1	19.2	32.8	36.2	35.1	30.5	48.6	219.4	294.1	427.5	639.0
87.5°	6.8	10.2	15.8	18.1	20.4	15.8	28.3	62.2	83.7	115.4	141.4
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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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	153.8	148.2	150.4	144.8	134.6	130.1	128.9	127.8	126.7	119.9	119.9
5°	150.4	151.6	154.9	156.1	156.1	157.2	159.5	158.3	159.5	157.2	156.1
7.5°	143.6	140.2	136.8	134.6	134.6	134.6	134.6	135.7	140.2	147.0	150.4
10°	201.3	201.3	202.4	200.2	203.6	202.4	202.4	201.3	201.3	202.4	202.4
12.5°	223.9	217.2	216.0	213.8	214.9	213.8	214.9	220.5	219.4	220.5	218.3
15°	355.1	354.0	352.9	347.2	329.1	313.3	309.9	307.6	295.2	290.7	288.4
17.5°	375.5	369.8	375.5	373.2	367.6	361.9	357.4	348.3	322.3	322.3	318.9
20°	472.8	486.3	490.8	515.7	512.3	521.4	521.4	518.0	519.1	515.7	502.2
22.5°	574.5	561.0	553.1	565.5	567.8	562.1	574.5	572.3	600.6	587.0	625.4
25°	722.7	752.1	770.2	753.2	745.3	748.7	758.9	746.5	753.2	748.7	751.0
27.5°	806.4	821.1	810.9	809.8	814.3	817.7	803.0	803.0	801.9	830.1	857.3
30°	938.7	926.3	926.3	933.1	943.2	943.2	930.8	927.4	939.9	928.5	942.1
32.5°	988.5	981.7	1005.5	1083.5	1086.9	1071.0	1072.2	1086.9	1088.0	1103.8	1106.1
35°	1120.8	1140.0	1153.6	1157.0	1143.4	1142.3	1157.0	1164.9	1180.8	1181.9	1195.5
37.5°	1210.2	1218.1	1219.2	1214.7	1194.3	1207.9	1215.8	1226.0	1226.0	1237.3	1231.6
40°	1309.7	1313.1	1311.9	1275.8	1270.1	1285.9	1290.5	1287.1	1285.9	1288.2	1283.7
42.5°	1439.8	1433.0	1399.0	1371.9	1377.5	1377.5	1370.8	1354.9	1362.8	1345.9	1338.0
45°	1609.4	1592.4	1538.1	1514.4	1515.5	1494.0	1468.0	1464.6	1443.1	1422.8	1442.0
47.5°	1839.0	1785.8	1732.7	1711.2	1688.6	1654.6	1610.5	1593.6	1560.8	1542.7	1544.9
50°	2113.8	2034.7	1999.6	2004.1	1958.9	1895.5	1859.3	1807.3	1747.4	1741.7	1716.8
52.5°	2384.1	2341.1	2351.3	2347.9	2292.5	2233.7	2202.0	2161.3	2095.7	2066.3	1996.2
55°	2663.5	2685.0	2744.9	2742.7	2715.5	2707.6	2691.8	2656.7	2666.9	2592.2	2505.1
57.5°	3197.3	3304.8	3448.4	3503.8	3498.2	3520.8	3576.2	3636.1	3682.5	3623.7	3632.7
60°	3836.3	4062.5	4276.3	4371.3	4531.9	4606.5	4730.9	4892.7	5002.4	4920.9	5061.2
62.5°	4162.0	4486.6	4649.5	4760.3	4973.0	5079.3	5242.1	5425.4	5470.6	5532.8	5688.9
65°	4196.0	4481.0	4598.6	4771.6	4941.3	4999.0	5215.0	5332.6	5315.7	5470.6	5487.6
67.5°	3687.0	3930.2	4116.8	4371.3	4500.2	4633.7	4812.4	4835.0	4906.2	5031.8	4943.6
70°	2619.4	3013.0	3265.2	3559.2	3762.8	3977.7	4147.3	4162.0	4277.4	4317.0	4271.8
72.5°	1417.1	1801.7	2104.8	2466.7	2705.3	2950.8	3104.6	3193.9	3239.2	3179.2	3292.3
75°	798.5	955.7	1151.3	1339.1	1528.0	1621.8	1693.1	1727.0	1652.4	1629.8	1627.5
77.5°	675.2	667.3	683.1	649.2	658.2	634.5	639.0	581.3	541.7	570.0	567.8
80°	829.0	754.4	667.3	549.7	470.5	400.4	360.8	349.5	364.2	402.6	429.8
82.5°	1101.6	1088.0	944.4	794.0	667.3	533.8	432.0	373.2	380.0	406.0	455.8
85°	756.6	789.4	700.1	656.0	539.5	452.4	373.2	299.7	274.8	262.4	249.9
87.5°	152.7	133.5	119.9	113.1	98.4	87.1	78.0	71.3	72.4	67.9	66.7
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°	82.5°	83°	84°	85°
0°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	113.1	107.4	108.6	105.2	102.9	101.8	105.2	105.2	104.1	102.9	98.4
5°	153.8	152.7	148.2	142.5	135.7	123.3	116.5	110.8	107.4	106.3	104.1
7.5°	152.7	151.6	150.4	150.4	150.4	149.3	149.3	145.9	142.5	132.3	109.7
10°	202.4	208.1	220.5	227.3	227.3	226.2	219.4	218.3	217.2	216.0	207.0
12.5°	218.3	212.6	212.6	213.8	221.7	229.6	234.1	231.9	231.9	231.9	228.5
15°	287.3	287.3	286.1	286.1	286.1	288.4	287.3	294.1	298.6	296.3	297.5
17.5°	318.9	323.5	321.2	321.2	314.4	302.0	325.7	297.5	296.3	333.6	365.3
20°	482.9	481.8	475.0	472.8	468.2	466.0	469.4	470.5	471.6	470.5	477.3
22.5°	622.0	602.8	588.1	584.7	599.4	605.1	598.3	599.4	594.9	596.0	585.9
25°	756.6	739.7	756.6	738.5	726.1	713.7	712.5	705.7	714.8	719.3	732.9
27.5°	876.5	885.6	884.4	894.6	878.8	865.2	866.3	860.7	870.9	882.2	869.7
30°	944.4	952.3	947.8	935.3	941.0	944.4	965.9	962.5	957.9	933.1	921.8
32.5°	1115.2	1111.8	1102.7	1110.6	1136.6	1150.2	1116.3	1108.4	1109.5	1124.2	1115.2
35°	1188.7	1188.7	1190.9	1226.0	1235.0	1210.2	1209.0	1215.8	1230.5	1203.4	1187.5
37.5°	1226.0	1233.9	1264.4	1273.5	1246.4	1246.4	1266.7	1261.1	1248.6	1245.2	1259.9
40°	1281.4	1314.2	1324.4	1297.2	1298.4	1317.6	1297.2	1282.5	1292.7	1326.7	1327.8
42.5°	1368.5	1382.1	1353.8	1349.3	1376.4	1352.7	1352.7	1373.0	1385.5	1383.2	1395.6
45°	1453.3	1428.4	1411.5	1436.4	1419.4	1400.2	1445.4	1449.9	1449.9	1462.4	1480.5
47.5°	1533.6	1492.9	1509.9	1499.7	1462.4	1514.4	1524.6	1523.4	1530.2	1551.7	1546.1
50°	1652.4	1624.1	1618.4	1566.4	1598.1	1618.4	1617.3	1630.9	1643.3	1636.5	1686.3
52.5°	1895.5	1885.4	1790.4	1758.7	1774.5	1756.4	1774.5	1765.5	1764.3	1806.2	1809.6
55°	2422.6	2364.9	2198.6	2191.9	2105.9	2034.7	2058.4	2035.8	2046.0	2073.1	2092.3
57.5°	3629.3	3458.6	3412.2	3388.4	3219.9	3027.7	3007.3	3034.4	3031.1	2988.1	3059.3
60°	5063.4	4943.6	5071.4	4978.6	4847.4	4784.1	4691.3	4688.0	4648.4	4615.6	4540.9
62.5°	5588.2	5739.8	5859.7	5864.2	5893.6	5860.8	5814.4	5759.0	5766.9	5675.3	5645.9
65°	5486.4	5710.4	5772.6	5894.7	5986.3	6113.0	6115.3	6135.6	6117.5	6045.1	5943.4
67.5°	5147.1	5254.6	5323.6	5468.3	5650.4	5817.8	5954.7	5975.0	5987.5	5945.6	5795.2
70°	4469.7	4514.9	4612.2	4758.1	4978.6	5144.9	5331.5	5350.7	5390.3	5346.2	5241.0
72.5°	3309.3	3295.7	3346.6	3447.3	3551.3	3666.7	3785.4	3793.3	3880.4	3793.3	3672.3
75°	1538.1	1498.6	1465.8	1460.1	1472.5	1506.5	1503.1	1457.8	1445.4	1342.5	1269.0
77.5°	527.0	513.5	486.3	444.5	397.0	339.3	297.5	277.1	257.9	229.6	219.4
80°	464.8	495.4	492.0	459.2	403.8	338.2	276.0	245.4	219.4	176.4	159.5
82.5°	536.1	603.9	654.8	619.8	532.7	433.2	314.4	262.4	214.9	145.9	118.8
85°	256.7	253.3	278.2	236.4	223.9	164.0	123.3	104.1	95.0	78.0	72.4
87.5°	67.9	69.0	71.3	71.3	69.0	64.5	63.3	61.1	59.9	55.4	52.0
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-T2-7030

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	98.4	97.3	97.3	96.1	96.1	96.1	96.1	96.1	95.0	95.0	95.0
5°	105.2	105.2	104.1	100.7	98.4	98.4	97.3	97.3	96.1	96.1	96.1
7.5°	100.7	99.5	98.4	99.5	101.8	102.9	102.9	101.8	100.7	101.8	101.8
10°	175.3	162.9	159.5	158.3	156.1	156.1	154.9	152.7	149.3	148.2	148.2
12.5°	222.8	181.0	175.3	174.2	171.9	170.8	169.6	164.0	161.7	164.0	165.1
15°	296.3	280.5	246.6	247.7	248.8	247.7	247.7	245.4	242.0	238.6	238.6
17.5°	342.7	355.1	314.4	326.9	317.8	328.0	322.3	317.8	324.6	298.6	306.5
20°	473.9	473.9	455.8	428.6	432.0	436.6	442.2	441.1	435.4	425.3	420.7
22.5°	594.9	588.1	594.9	577.9	572.3	580.2	545.1	563.2	557.6	564.4	565.5
25°	738.5	740.8	717.0	696.7	679.7	682.0	695.6	692.2	675.2	680.9	697.8
27.5°	857.3	866.3	883.3	859.6	844.8	840.3	835.8	839.2	862.9	860.7	840.3
30°	933.1	920.6	917.2	928.5	947.8	933.1	952.3	922.9	913.8	942.1	941.0
32.5°	1080.1	1098.2	1115.2	1111.8	1114.0	1134.4	1123.1	1125.3	1117.4	1109.5	1125.3
35°	1206.8	1207.9	1196.6	1212.4	1207.9	1213.6	1228.3	1229.4	1233.9	1231.6	1232.8
37.5°	1258.8	1267.8	1272.4	1244.1	1274.6	1276.9	1290.5	1301.8	1324.4	1341.4	1349.3
40°	1342.5	1336.8	1326.7	1357.2	1328.9	1347.0	1379.8	1401.3	1426.2	1460.1	1471.4
42.5°	1409.2	1409.2	1427.3	1419.4	1454.5	1447.7	1485.0	1521.2	1552.8	1560.8	1621.8
45°	1481.6	1515.5	1518.9	1537.0	1559.6	1601.5	1604.9	1634.3	1669.3	1713.5	1733.8
47.5°	1591.3	1594.7	1636.5	1660.3	1692.0	1728.2	1748.5	1758.7	1802.8	1839.0	1861.6
50°	1682.9	1740.6	1765.5	1803.9	1845.8	1863.9	1895.5	1920.4	1937.4	1961.1	1975.8
52.5°	1853.7	1892.1	1947.6	1984.9	2026.7	2057.3	2084.4	2129.7	2130.8	2128.5	2144.4
55°	2138.7	2217.9	2305.0	2333.2	2413.5	2452.0	2499.5	2526.6	2567.3	2526.6	2536.8
57.5°	3110.2	3236.9	3307.0	3400.9	3474.4	3529.8	3543.4	3576.2	3635.0	3628.2	3590.9
60°	4624.6	4639.3	4694.7	4766.0	4761.5	4825.9	4785.2	4835.0	4746.8	4736.6	4645.0
62.5°	5592.7	5563.3	5557.7	5549.8	5523.8	5476.3	5415.2	5366.5	5288.5	5175.4	5097.4
65°	5817.8	5726.2	5664.0	5615.4	5519.2	5417.4	5336.0	5245.5	5181.1	5063.4	4945.8
67.5°	5642.5	5530.5	5418.6	5272.7	5167.5	5042.0	4920.9	4841.8	4723.0	4657.4	4466.3
70°	5118.9	4917.5	4729.8	4540.9	4449.3	4280.8	4167.7	4110.0	3991.3	3918.9	3777.5
72.5°	3576.2	3413.3	3139.6	2996.0	2965.5	2843.3	2793.5	2766.4	2708.7	2643.1	2569.6
75°	1207.9	1152.5	1083.5	944.4	982.8	928.5	893.5	944.4	925.1	926.3	890.1
77.5°	211.5	204.7	195.7	185.5	182.1	185.5	181.0	187.7	188.9	192.3	188.9
80°	151.6	143.6	138.0	133.5	130.1	131.2	127.8	128.9	127.8	128.9	127.8
82.5°	108.6	104.1	98.4	95.0	93.9	95.0	92.7	96.1	98.4	101.8	105.2
85°	67.9	66.7	63.3	62.2	62.2	61.1	62.2	66.7	71.3	76.9	80.3
87.5°	48.6	48.6	46.4	48.6	48.6	50.9	54.3	59.9	65.6	71.3	78.0
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°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	93.9	93.9	95.0	95.0
5°	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	99.5	149.3
7.5°	100.7	100.7	100.7	99.5	99.5	99.5	100.7	101.8	100.7	142.5	97.3
10°	150.4	152.7	154.9	153.8	154.9	156.1	157.2	157.2	171.9	151.6	104.1
12.5°	166.3	166.3	167.4	166.3	165.1	181.0	213.8	213.8	214.9	167.4	166.3
15°	235.2	231.9	235.2	245.4	277.1	281.6	282.7	281.6	268.0	249.9	239.8
17.5°	282.7	269.2	283.9	309.9	281.6	280.5	263.5	251.1	255.6	312.2	323.5
20°	427.5	443.3	451.3	464.8	454.7	427.5	417.3	418.5	416.2	426.4	360.8
22.5°	558.7	579.1	576.8	571.2	555.3	572.3	579.1	536.1	528.2	562.1	582.5
25°	726.1	715.9	718.2	706.9	701.2	703.5	710.3	743.1	741.9	804.1	648.1
27.5°	867.5	881.0	872.0	873.1	893.5	879.9	902.5	902.5	948.9	878.8	868.6
30°	926.3	939.9	965.9	972.7	993.0	1005.5	1003.2	1011.1	1014.5	1062.0	947.8
32.5°	1155.9	1142.3	1162.7	1193.2	1204.5	1214.7	1246.4	1243.0	1224.9	1176.2	1082.4
35°	1261.1	1290.5	1290.5	1293.9	1343.6	1347.0	1343.6	1362.8	1348.1	1316.5	1141.2
37.5°	1365.1	1376.4	1412.6	1418.3	1410.3	1447.7	1448.8	1438.6	1453.3	1395.6	1249.7
40°	1488.4	1504.2	1509.9	1541.5	1525.7	1521.2	1564.2	1548.3	1538.1	1468.0	1282.5
42.5°	1628.6	1624.1	1633.1	1635.4	1652.4	1634.3	1633.1	1668.2	1641.1	1528.0	1279.1
45°	1770.0	1750.8	1741.7	1742.9	1740.6	1749.6	1721.4	1740.6	1744.0	1559.6	1249.7
47.5°	1859.3	1884.2	1861.6	1842.4	1829.9	1831.1	1822.0	1777.9	1813.0	1569.8	1203.4
50°	1998.5	1996.2	1993.9	1951.0	1938.5	1914.8	1903.5	1871.8	1846.9	1537.0	1152.5
52.5°	2154.5	2150.0	2155.7	2118.3	2070.8	2041.4	2007.5	1978.1	1920.4	1504.2	1095.9
55°	2540.2	2530.0	2499.5	2489.3	2402.2	2327.6	2234.8	2178.3	2127.4	1502.0	1030.3
57.5°	3579.6	3533.2	3454.0	3393.0	3229.0	3071.8	2927.0	2761.9	2647.6	1627.5	980.6
60°	4538.7	4479.9	4378.1	4181.3	4010.5	3734.5	3472.1	3255.0	3055.9	1759.8	924.0
62.5°	4925.5	4802.2	4651.8	4457.2	4166.6	3899.7	3541.1	3290.1	3039.0	1681.8	780.4
65°	4829.3	4622.4	4438.0	4219.7	3941.5	3607.9	3242.5	2940.6	2722.3	1358.3	541.7
67.5°	4371.3	4181.3	3996.9	3740.2	3432.6	3060.5	2747.2	2435.0	2239.4	967.0	302.0
70°	3658.8	3514.0	3290.1	3041.2	2761.9	2423.7	2104.8	1833.3	1638.8	590.4	147.0
72.5°	2515.3	2392.0	2298.2	2086.7	1803.9	1498.6	1318.7	1107.2	990.7	302.0	97.3
75°	909.3	919.5	847.1	809.8	717.0	577.9	508.9	428.6	374.4	136.8	96.1
77.5°	211.5	208.1	219.4	225.1	209.2	191.1	171.9	158.3	148.2	107.4	101.8
80°	128.9	127.8	126.7	125.5	124.4	123.3	122.1	119.9	117.6	105.2	102.9
82.5°	107.4	108.6	108.6	108.6	109.7	109.7	110.8	110.8	109.7	105.2	104.1
85°	83.7	87.1	90.5	93.9	98.4	102.9	105.2	106.3	106.3	102.9	102.9
87.5°	83.7	88.2	93.9	100.7	107.4	113.1	117.6	119.9	119.9	104.1	101.8
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):

	135°	145°	155°	165°	175°	180°
0°	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	100.7	98.4	99.5	107.4	102.9	100.7
5°	151.6	117.6	98.4	97.3	96.1	95.0
7.5°	100.7	100.7	102.9	127.8	141.4	149.3
10°	113.1	161.7	169.6	166.3	167.4	165.1
12.5°	228.5	171.9	179.8	202.4	235.2	235.2
15°	247.7	302.0	245.4	247.7	244.3	244.3
17.5°	324.6	322.3	261.3	315.5	320.1	320.1
20°	410.5	372.1	386.8	339.3	333.6	332.5
22.5°	443.3	459.2	409.4	416.2	416.2	413.9
25°	590.4	516.9	482.9	429.8	477.3	467.1
27.5°	687.6	572.3	565.5	507.8	501.0	496.5
30°	815.4	717.0	603.9	577.9	576.8	572.3
32.5°	885.6	747.6	653.7	596.0	637.9	635.6
35°	964.7	779.3	692.2	649.2	619.8	615.3
37.5°	969.3	792.8	670.7	659.4	650.3	646.9
40°	981.7	765.7	668.4	658.2	649.2	645.8
42.5°	945.5	728.4	635.6	598.3	581.3	576.8
45°	895.7	670.7	567.8	525.9	505.6	501.0
47.5°	836.9	618.7	495.4	456.9	428.6	420.7
50°	775.9	550.8	424.1	377.8	350.6	341.6
52.5°	709.1	464.8	345.0	305.4	277.1	271.4
55°	628.8	374.4	269.2	242.0	225.1	220.5
57.5°	524.8	281.6	205.8	193.4	185.5	183.2
60°	402.6	197.9	154.9	158.3	154.9	157.2
62.5°	276.0	131.2	118.8	128.9	130.1	130.1
65°	160.6	95.0	96.1	108.6	109.7	110.8
67.5°	98.4	79.2	83.7	96.1	97.3	97.3
70°	82.6	73.5	78.0	90.5	91.6	91.6
72.5°	80.3	73.5	75.8	88.2	89.3	90.5
75°	81.4	72.4	75.8	88.2	87.1	86.0
77.5°	83.7	72.4	74.6	88.2	89.3	83.7
80°	82.6	70.1	71.3	93.9	90.5	76.9
82.5°	79.2	65.6	63.3	99.5	80.3	69.0
85°	73.5	58.8	52.0	108.6	79.2	49.8
87.5°	41.8	48.6	38.5	95.0	72.4	39.6
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)