

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: P179340

Luminaire Tested: **UTLD-E03-LED-E-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179340
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-T2-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4319.3 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 75.2
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

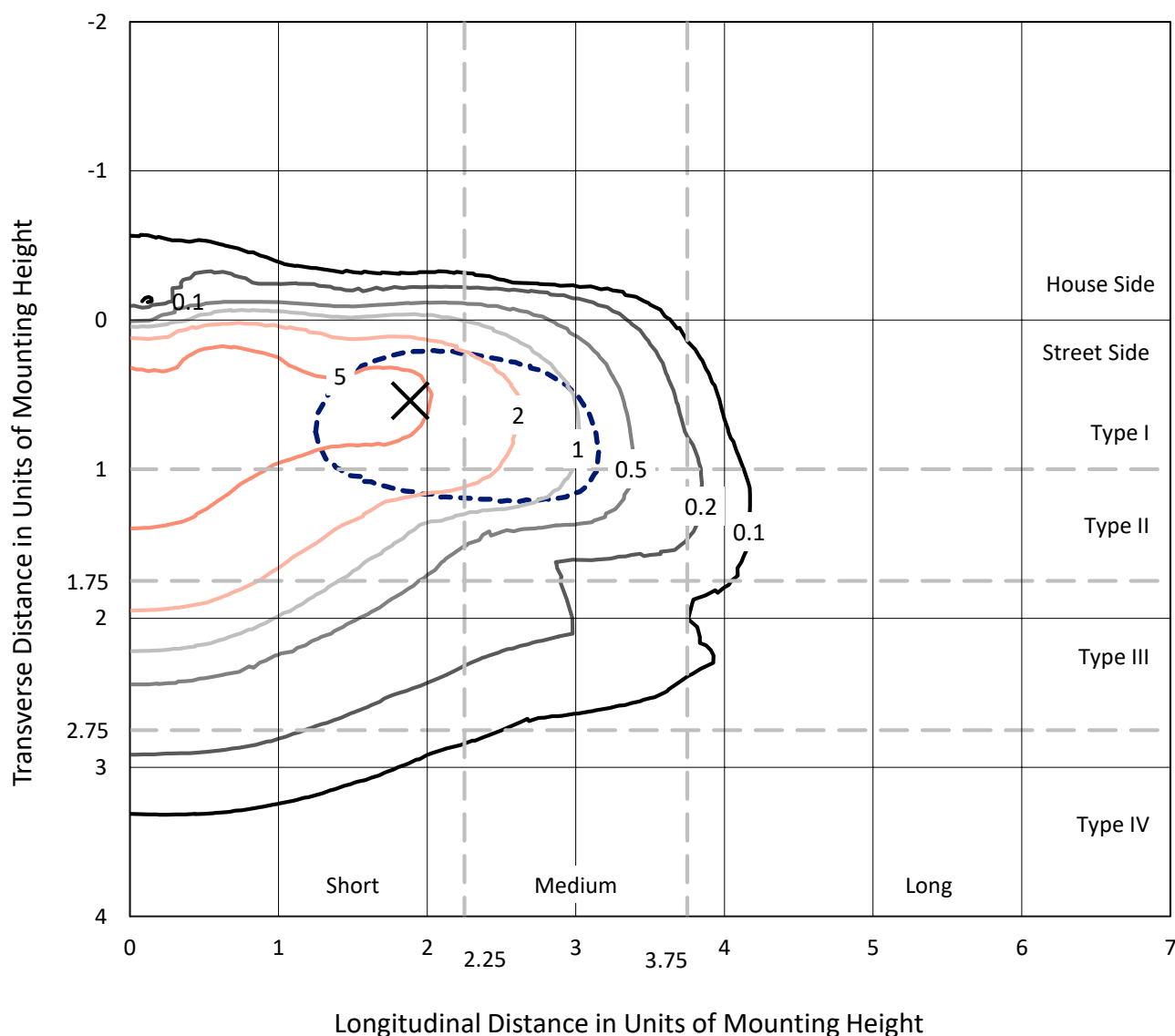


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

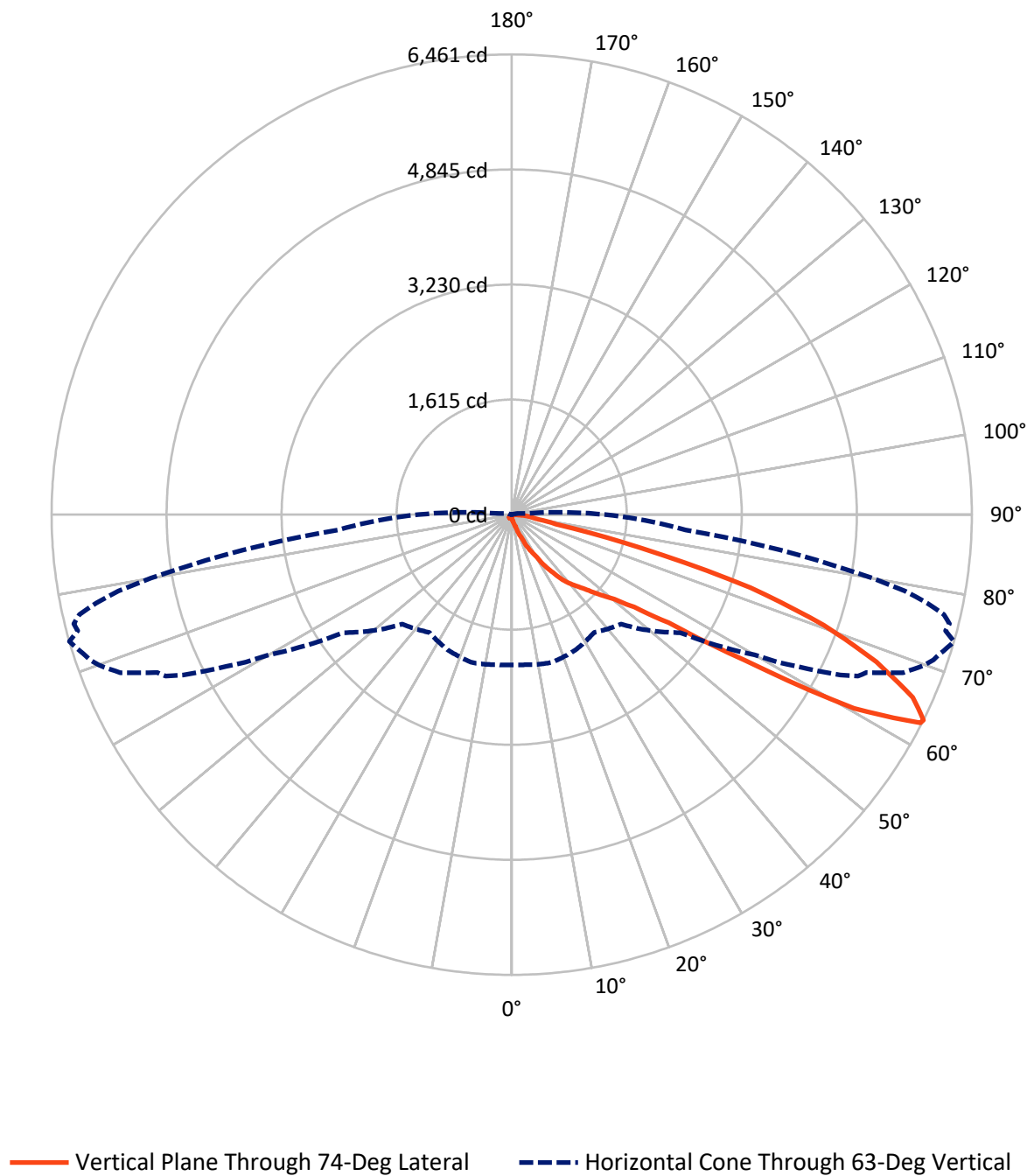


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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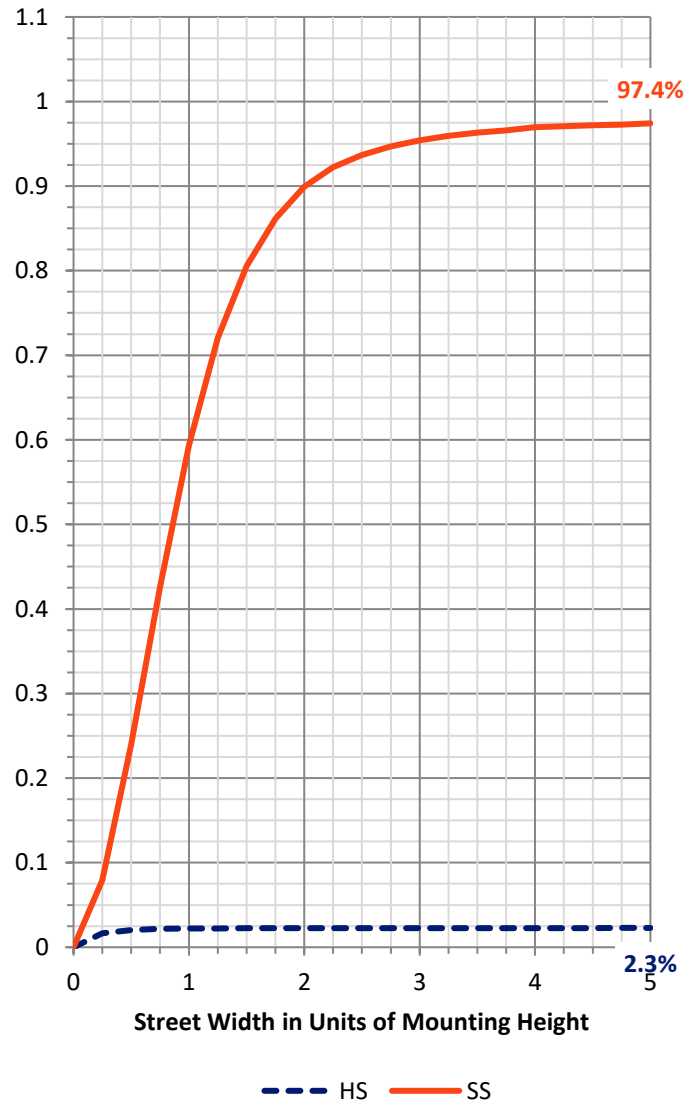
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	100.3	0.0	100.3
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	4219.0	0.0	4219.0
	% Fixture	97.7	0.0	97.7
Total	Lumens	4319.3	0.0	4319.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.2
10°-20°	49.7	1.2
20°-30°	161.2	3.7
30°-40°	385.3	8.9
40°-50°	723.5	16.8
50°-60°	1137.2	26.3
60°-70°	1335.9	30.9
70°-80°	458.7	10.6
80°-90°	60.7	1.4
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°	4319.3	100.0
0°-180°	4319.3	100.0

Coefficient of Utilization



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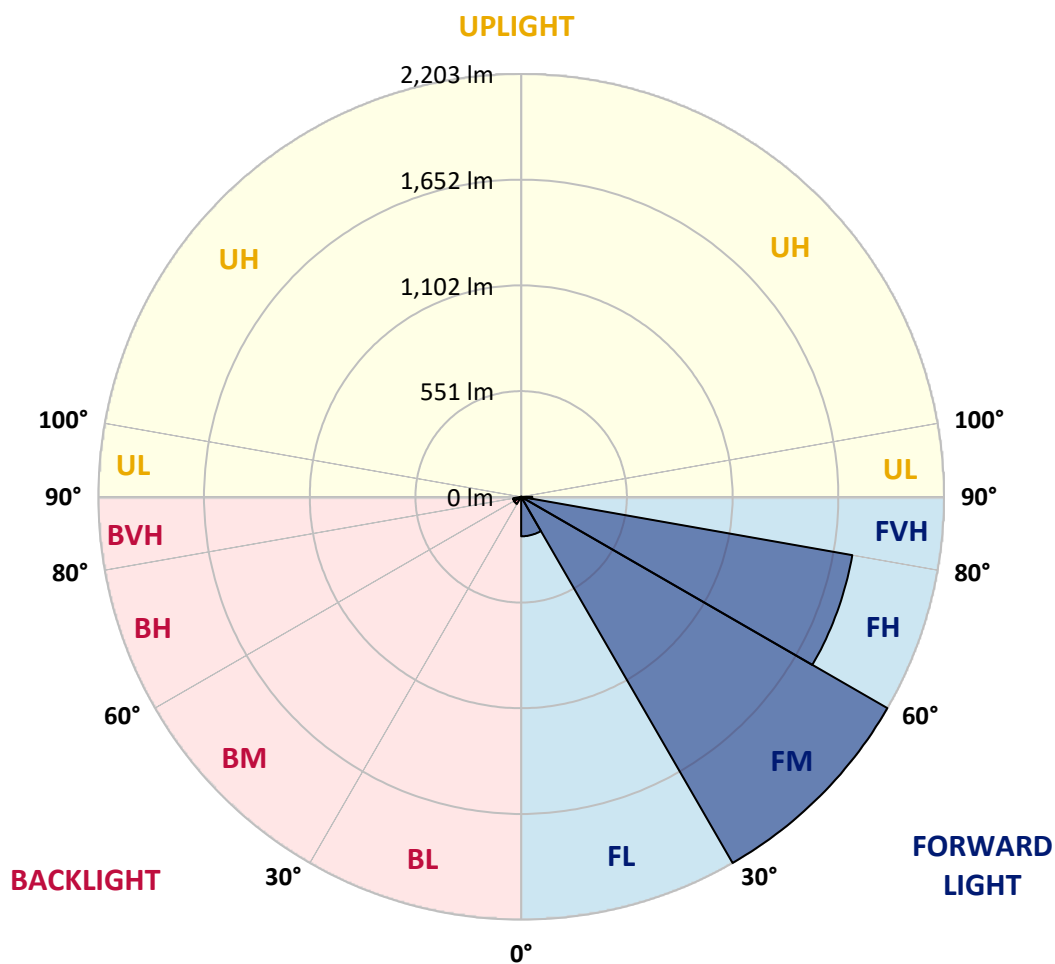
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.7	4.8			
FM	(30°-60°)	2203.1	51.0			
FH	(60°-80°)	1752.1	40.6			G1/1800
FVH	(80°-90°)	58.1	1.3			G1/100
BL	(0°-30°)	12.3	0.3	B0/110		
BM	(30°-60°)	42.9	1.0	B0/220		
BH	(60°-80°)	42.4	1.0	B0/110		G0/110
BVH	(80°-90°)	2.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
2.5°	82.5	81.0	78.0	75.0	73.5	70.5	69.0	66.0	66.0	64.5	66.0
5°	120.0	114.0	108.0	103.5	99.0	94.5	85.5	79.5	78.0	78.0	75.0
7.5°	226.5	217.5	211.5	202.5	186.0	141.0	105.0	97.5	96.0	94.5	91.5
10°	258.0	256.5	253.5	243.0	229.5	205.5	181.5	124.5	121.5	117.0	118.5
12.5°	370.5	366.0	369.0	349.5	321.0	262.5	238.5	213.0	207.0	202.5	186.0
15°	507.0	499.5	403.5	390.0	364.5	361.5	274.5	246.0	240.0	229.5	219.0
17.5°	537.0	541.5	534.0	502.5	447.0	400.5	391.5	312.0	303.0	298.5	286.5
20°	691.5	691.5	661.5	546.0	547.5	501.0	453.0	397.5	358.5	349.5	361.5
22.5°	714.0	717.0	708.0	717.0	588.0	592.5	597.0	564.0	550.5	534.0	513.0
25°	835.5	840.0	819.0	735.0	760.5	688.5	691.5	649.5	628.5	663.0	657.0
27.5°	949.5	952.5	832.5	831.0	804.0	829.5	865.5	828.0	817.5	802.5	774.0
30°	999.0	1005.0	967.5	1003.5	957.0	903.0	949.5	1003.5	993.0	967.5	975.0
32.5°	1213.5	1216.5	1195.5	1080.0	1077.0	1078.5	1147.5	1110.0	1096.5	1066.5	1071.0
35°	1477.5	1476.0	1311.0	1284.0	1209.0	1255.5	1258.5	1294.5	1248.0	1281.0	1249.5
37.5°	1689.0	1680.0	1572.0	1543.5	1444.5	1404.0	1432.5	1407.0	1375.5	1402.5	1392.0
40°	1875.0	1884.0	1834.5	1720.5	1663.5	1603.5	1596.0	1525.5	1555.5	1533.0	1530.0
42.5°	2022.0	2037.0	2007.0	1897.5	1818.0	1807.5	1776.0	1689.0	1737.0	1695.0	1701.0
45°	2203.5	2199.0	2143.5	2029.5	1975.5	1989.0	2008.5	1941.0	1944.0	1929.0	1894.5
47.5°	2376.0	2374.5	2340.0	2179.5	2112.0	2146.5	2259.0	2244.0	2188.5	2211.0	2131.5
50°	2523.0	2524.5	2484.0	2305.5	2220.0	2301.0	2520.0	2538.0	2511.0	2518.5	2425.5
52.5°	2574.0	2577.0	2559.0	2377.5	2289.0	2412.0	2731.5	2824.5	2851.5	2859.0	2757.0
55°	2523.0	2533.5	2529.0	2371.5	2287.5	2461.5	2916.0	3105.0	3175.5	3214.5	3153.0
57.5°	2427.0	2436.0	2454.0	2355.0	2272.5	2478.0	3079.5	3489.0	3615.0	3696.0	3717.0
60°	2314.5	2325.0	2379.0	2337.0	2250.0	2449.5	3166.5	3835.5	4060.5	4239.0	4521.0
62.5°	2161.5	2172.0	2217.0	2175.0	2082.0	2250.0	2971.5	3931.5	4245.0	4500.0	5025.0
63°	2109.0	2115.0	2149.5	2101.5	2017.5	2172.0	2887.5	3937.5	4270.5	4537.5	5131.5
65°	1659.0	1671.0	1710.0	1659.0	1641.0	1795.5	2409.0	3744.0	4203.0	4492.5	5223.0
67.5°	906.0	921.0	979.5	957.0	1060.5	1234.5	1597.5	2733.0	3361.5	3772.5	4605.0
70°	658.5	658.5	708.0	723.0	774.0	909.0	1054.5	1389.0	1755.0	2233.5	3297.0
72.5°	478.5	489.0	531.0	573.0	646.5	810.0	1039.5	807.0	831.0	979.5	1735.5
75°	238.5	259.5	306.0	355.5	432.0	616.5	1101.0	837.0	760.5	741.0	886.5
77.5°	55.5	57.0	93.0	183.0	220.5	354.0	871.5	1023.0	921.0	871.5	780.0
80°	28.5	30.0	37.5	91.5	100.5	127.5	457.5	1080.0	1092.0	1062.0	876.0
82.5°	15.0	15.0	22.5	39.0	39.0	45.0	130.5	657.0	910.5	1033.5	1011.0
85°	6.0	6.0	13.5	19.5	21.0	19.5	36.0	258.0	456.0	592.5	793.5
87.5°	1.5	1.5	4.5	7.5	9.0	10.5	16.5	48.0	79.5	109.5	183.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
2.5°	64.5	64.5	64.5	63.0	63.0	63.0	63.0	61.5	61.5	61.5	57.0
5°	73.5	73.5	72.0	70.5	70.5	69.0	69.0	69.0	67.5	67.5	66.0
7.5°	90.0	88.5	87.0	84.0	82.5	81.0	81.0	78.0	76.5	75.0	73.5
10°	118.5	117.0	112.5	109.5	106.5	103.5	100.5	99.0	96.0	94.5	91.5
12.5°	162.0	141.0	136.5	132.0	126.0	121.5	118.5	115.5	114.0	109.5	111.0
15°	234.0	229.5	225.0	222.0	214.5	181.5	168.0	165.0	159.0	154.5	148.5
17.5°	283.5	279.0	268.5	252.0	249.0	243.0	235.5	228.0	192.0	174.0	168.0
20°	367.5	360.0	370.5	367.5	355.5	343.5	330.0	322.5	313.5	297.0	270.0
22.5°	460.5	460.5	447.0	438.0	423.0	403.5	402.0	385.5	354.0	342.0	337.5
25°	657.0	666.0	639.0	604.5	601.5	583.5	540.0	517.5	502.5	486.0	478.5
27.5°	780.0	751.5	726.0	724.5	706.5	651.0	627.0	615.0	622.5	583.5	559.5
30°	943.5	922.5	916.5	889.5	856.5	816.0	808.5	792.0	750.0	694.5	663.0
32.5°	1056.0	1066.5	1086.0	1056.0	1017.0	1006.5	1002.0	957.0	900.0	862.5	826.5
35°	1267.5	1252.5	1224.0	1177.5	1165.5	1165.5	1132.5	1065.0	1024.5	1000.5	991.5
37.5°	1389.0	1366.5	1324.5	1302.0	1308.0	1297.5	1221.0	1183.5	1165.5	1159.5	1101.0
40°	1519.5	1476.0	1438.5	1444.5	1458.0	1383.0	1341.0	1320.0	1326.0	1278.0	1204.5
42.5°	1666.5	1609.5	1590.0	1624.5	1554.0	1498.5	1465.5	1477.5	1452.0	1383.0	1335.0
45°	1836.0	1779.0	1791.0	1780.5	1693.5	1642.5	1647.0	1621.5	1573.5	1521.0	1474.5
47.5°	2038.5	2010.0	2046.0	1941.0	1866.0	1849.5	1839.0	1788.0	1725.0	1683.0	1639.5
50°	2338.5	2353.5	2320.5	2196.0	2127.0	2122.5	2062.5	1987.5	1936.5	1866.0	1798.5
52.5°	2737.5	2781.0	2682.0	2583.0	2541.0	2509.5	2410.5	2325.0	2239.5	2154.0	2053.5
55°	3168.0	3253.5	3142.5	3097.5	3084.0	3103.5	2986.5	2899.5	2794.5	2676.0	2553.0
57.5°	3888.0	3910.5	3837.0	3900.0	3949.5	3957.0	3987.0	3922.5	3882.0	3847.5	3727.5
60°	4812.0	4851.0	4920.0	5142.0	5232.0	5359.5	5391.0	5475.0	5493.0	5523.0	5425.5
62.5°	5304.0	5389.5	5610.0	5871.0	5985.0	6106.5	6204.0	6280.5	6340.5	6438.0	6268.5
63°	5362.5	5449.5	5682.0	5926.5	6046.5	6171.0	6262.5	6322.5	6391.5	6460.5	6306.0
65°	5353.5	5449.5	5745.0	5875.5	6004.5	6073.5	6156.0	6160.5	6288.0	6190.5	6174.0
67.5°	4747.5	5001.0	5208.0	5349.0	5458.5	5512.5	5547.0	5589.0	5674.5	5521.5	5607.0
70°	3724.5	4048.5	4233.0	4407.0	4548.0	4588.5	4618.5	4750.5	4633.5	4647.0	4623.0
72.5°	2119.5	2622.0	2935.5	3123.0	3355.5	3397.5	3468.0	3579.0	3429.0	3505.5	3438.0
75°	1137.0	1333.5	1606.5	1798.5	1891.5	1981.5	2068.5	2002.5	1960.5	1869.0	1851.0
77.5°	819.0	840.0	862.5	846.0	822.0	816.0	778.5	706.5	687.0	630.0	601.5
80°	820.5	742.5	652.5	538.5	418.5	364.5	342.0	334.5	334.5	334.5	315.0
82.5°	928.5	831.0	715.5	573.0	444.0	349.5	289.5	280.5	274.5	274.5	256.5
85°	754.5	744.0	660.0	528.0	414.0	313.5	243.0	198.0	181.5	162.0	154.5
87.5°	183.0	190.5	166.5	145.5	121.5	96.0	84.0	67.5	57.0	52.5	49.5
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
2.5°	57.0	55.5	54.0	54.0	52.5	45.0	39.0	34.5	31.5	30.0	28.5
5°	66.0	64.5	64.5	63.0	63.0	51.0	34.5	30.0	27.0	24.0	24.0
7.5°	72.0	70.5	70.5	69.0	67.5	61.5	34.5	28.5	22.5	24.0	12.0
10°	90.0	88.5	85.5	84.0	82.5	78.0	42.0	30.0	27.0	10.5	9.0
12.5°	109.5	105.0	102.0	99.0	93.0	79.5	42.0	31.5	16.5	13.5	15.0
15°	141.0	135.0	129.0	124.5	120.0	103.5	55.5	39.0	18.0	16.5	16.5
17.5°	160.5	153.0	147.0	145.5	142.5	103.5	54.0	27.0	21.0	21.0	16.5
20°	246.0	244.5	231.0	214.5	199.5	153.0	73.5	34.5	28.5	21.0	21.0
22.5°	322.5	283.5	264.0	240.0	226.5	183.0	75.0	37.5	33.0	25.5	19.5
25°	441.0	399.0	376.5	343.5	331.5	229.5	82.5	48.0	37.5	27.0	22.5
27.5°	537.0	507.0	493.5	477.0	436.5	285.0	96.0	51.0	37.5	30.0	22.5
30°	625.5	627.0	586.5	535.5	495.0	340.5	102.0	55.5	39.0	28.5	22.5
32.5°	822.0	774.0	705.0	660.0	618.0	391.5	111.0	60.0	37.5	28.5	22.5
35°	936.0	862.5	823.5	783.0	729.0	466.5	121.5	58.5	37.5	27.0	21.0
37.5°	1029.0	973.5	934.5	876.0	819.0	523.5	127.5	54.0	36.0	25.5	18.0
40°	1146.0	1107.0	1036.5	985.5	927.0	547.5	132.0	49.5	33.0	22.5	15.0
42.5°	1282.5	1225.5	1159.5	1111.5	1012.5	622.5	145.5	46.5	30.0	19.5	13.5
45°	1425.0	1351.5	1309.5	1209.0	1093.5	676.5	156.0	45.0	27.0	16.5	10.5
47.5°	1558.5	1513.5	1422.0	1294.5	1242.0	760.5	153.0	42.0	24.0	13.5	7.5
50°	1743.0	1681.5	1557.0	1485.0	1399.5	828.0	148.5	40.5	21.0	12.0	6.0
52.5°	2001.0	1870.5	1773.0	1690.5	1546.5	922.5	145.5	37.5	18.0	9.0	3.0
55°	2418.0	2214.0	2094.0	1939.5	1782.0	1033.5	138.0	33.0	16.5	7.5	3.0
57.5°	3429.0	3208.5	2950.5	2656.5	2376.0	1293.0	135.0	30.0	13.5	4.5	1.5
60°	5221.5	5077.5	4698.0	4222.5	3825.0	1819.5	145.5	25.5	10.5	3.0	1.5
62.5°	6267.0	6135.0	5865.0	5521.5	4987.5	2371.5	163.5	21.0	7.5	3.0	1.5
63°	6334.5	6228.0	5962.5	5625.0	5143.5	2448.0	172.5	21.0	7.5	3.0	1.5
65°	6208.5	6115.5	5967.0	5704.5	5391.0	2670.0	199.5	19.5	6.0	3.0	1.5
67.5°	5575.5	5476.5	5374.5	5265.0	5041.5	2742.0	219.0	18.0	4.5	3.0	1.5
70°	4611.0	4521.0	4410.0	4362.0	4240.5	2563.5	229.5	16.5	4.5	3.0	1.5
72.5°	3366.0	3262.5	3172.5	3042.0	2926.5	1939.5	169.5	16.5	3.0	3.0	1.5
75°	1710.0	1602.0	1393.5	1296.0	1195.5	813.0	69.0	13.5	3.0	3.0	1.5
77.5°	499.5	448.5	363.0	294.0	223.5	145.5	25.5	9.0	3.0	3.0	1.5
80°	295.5	250.5	207.0	163.5	132.0	70.5	15.0	6.0	3.0	4.5	1.5
82.5°	241.5	216.0	178.5	147.0	115.5	52.5	10.5	6.0	4.5	4.5	1.5
85°	139.5	126.0	106.5	85.5	72.0	37.5	7.5	6.0	4.5	6.0	1.5
87.5°	51.0	46.5	43.5	42.0	39.0	27.0	7.5	7.5	6.0	7.5	1.5
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-E03-LED-E-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	42.0	42.0	42.0	42.0	42.0
2.5°	27.0	28.5	28.5	28.5	28.5
5°	25.5	25.5	22.5	18.0	18.0
7.5°	10.5	12.0	12.0	12.0	12.0
10°	9.0	15.0	16.5	16.5	16.5
12.5°	13.5	13.5	15.0	15.0	16.5
15°	13.5	16.5	18.0	18.0	18.0
17.5°	18.0	15.0	16.5	16.5	18.0
20°	16.5	18.0	18.0	18.0	18.0
22.5°	19.5	18.0	16.5	18.0	18.0
25°	18.0	18.0	16.5	16.5	16.5
27.5°	18.0	16.5	16.5	16.5	16.5
30°	18.0	16.5	15.0	15.0	15.0
32.5°	16.5	15.0	15.0	13.5	13.5
35°	15.0	12.0	13.5	13.5	13.5
37.5°	13.5	10.5	10.5	12.0	10.5
40°	10.5	9.0	7.5	9.0	9.0
42.5°	7.5	6.0	6.0	6.0	6.0
45°	6.0	3.0	3.0	3.0	3.0
47.5°	3.0	1.5	1.5	1.5	1.5
50°	1.5	0.0	0.0	0.0	0.0
52.5°	1.5	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	1.5	1.5	1.5	0.0	0.0
75°	1.5	1.5	1.5	1.5	1.5
77.5°	3.0	3.0	3.0	1.5	1.5
80°	4.5	3.0	3.0	1.5	1.5
82.5°	4.5	4.5	4.5	3.0	1.5
85°	6.0	4.5	4.5	4.5	1.5
87.5°	7.5	6.0	6.0	4.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)