

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: P179345

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179345
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-F03-LED-E-U-T2-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3565.7 lumens
Efficiency: N/A
Efficacy: 45.5 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

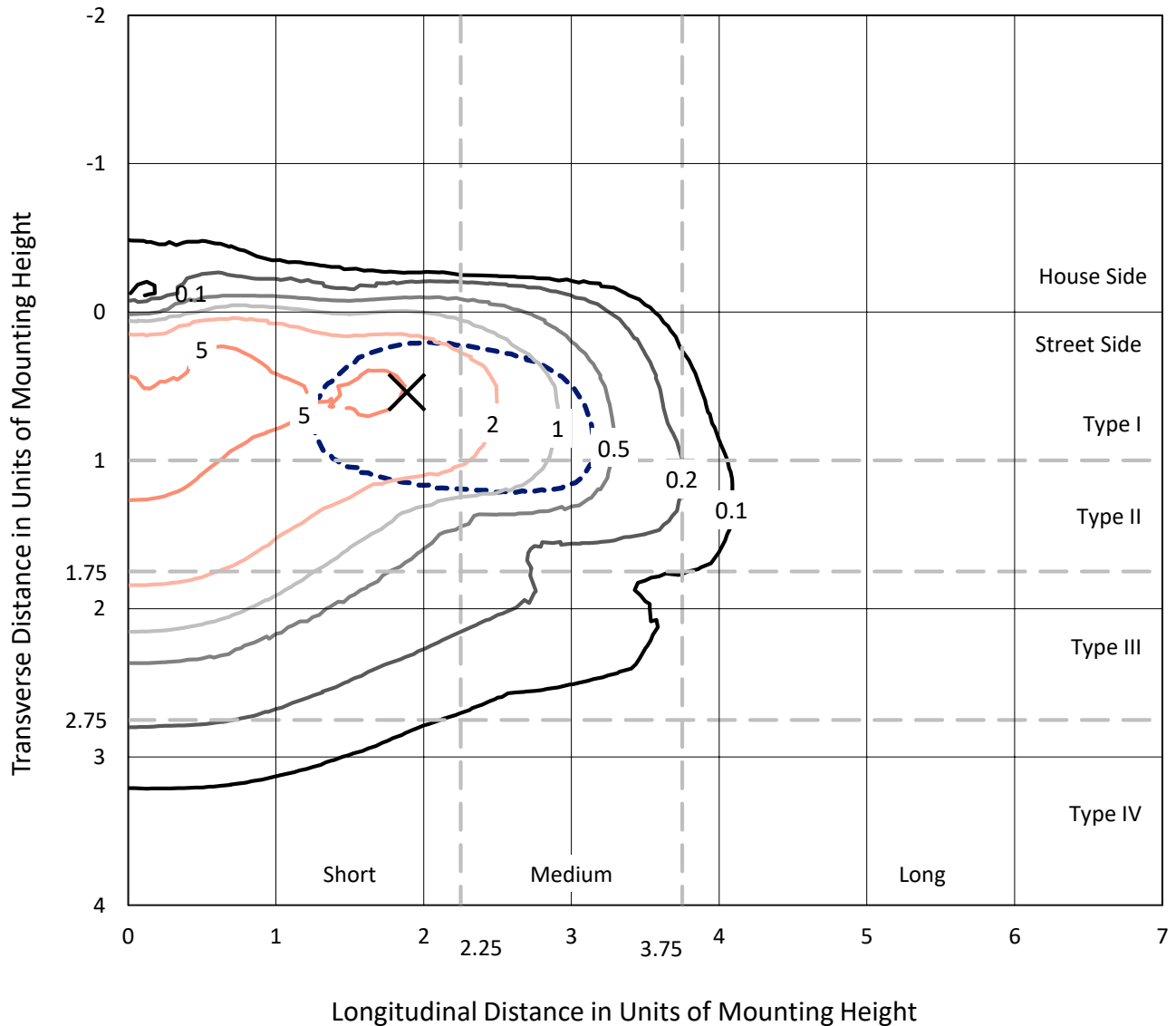
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

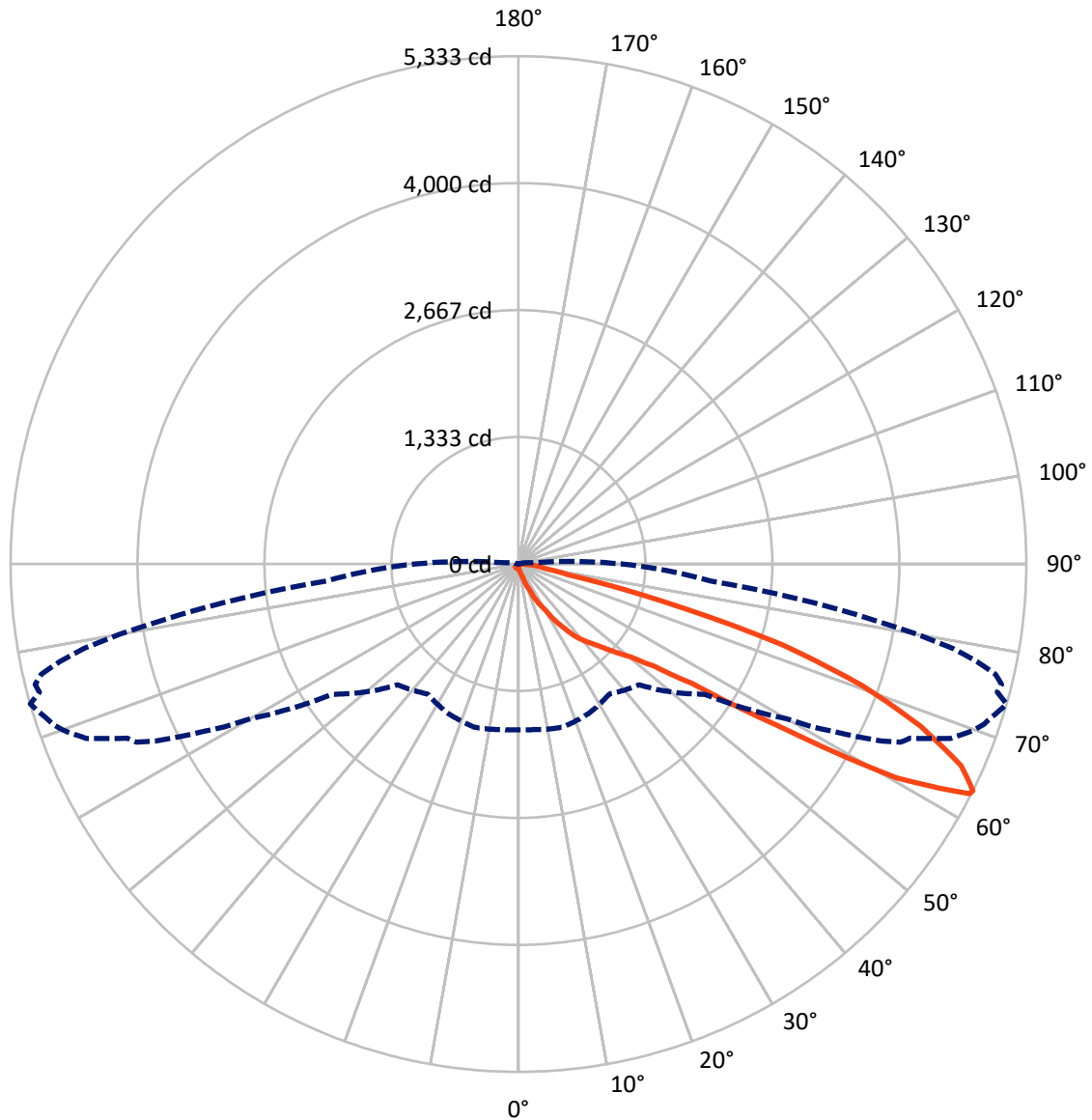


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical



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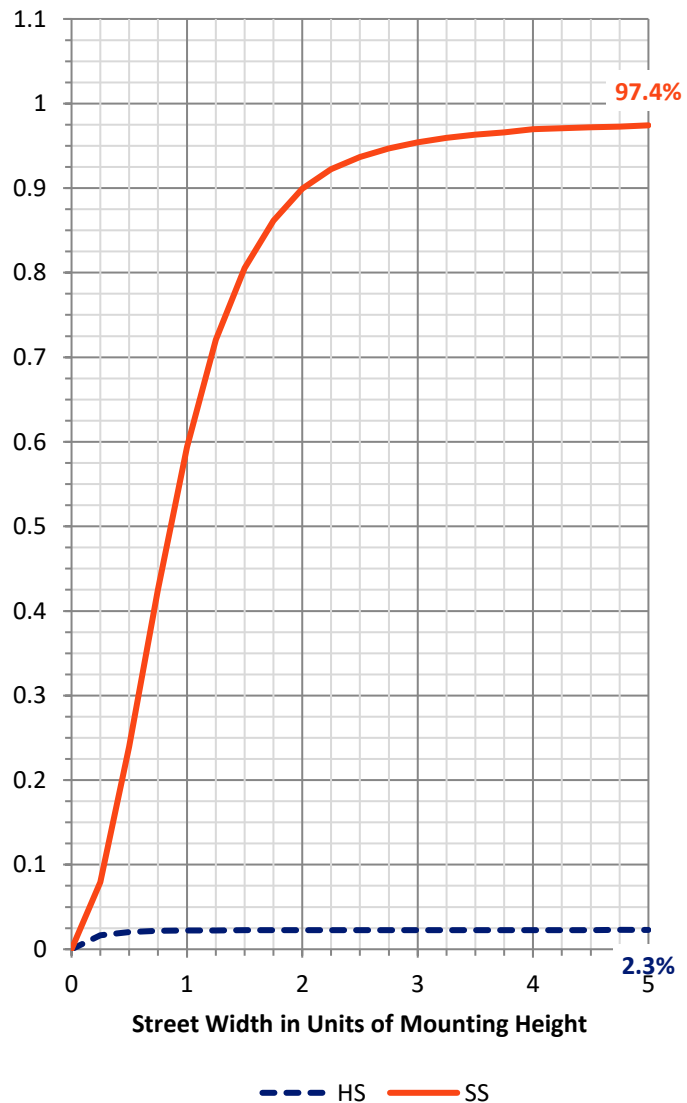
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	82.8	0.0	82.8
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	3482.9	0.0	3482.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	3565.7	0.0	3565.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.2
10°-20°	41.0	1.2
20°-30°	133.1	3.7
30°-40°	318.0	8.9
40°-50°	597.3	16.8
50°-60°	938.8	26.3
60°-70°	1102.8	30.9
70°-80°	378.6	10.6
80°-90°	50.1	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°	3565.7	100.0
0°-180°	3565.7	100.0

Coefficient of Utilization



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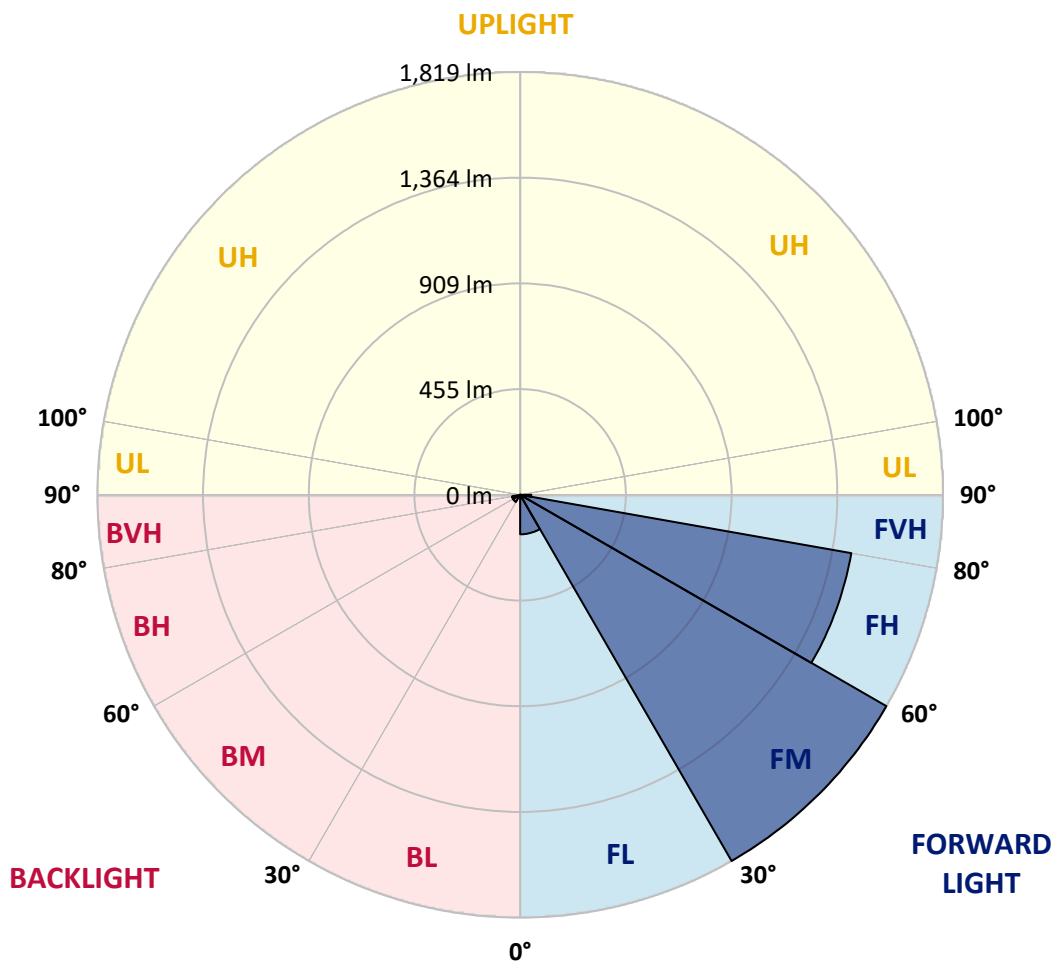
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.8	4.8			
FM	(30°-60°)	1818.8	51.0			
FH	(60°-80°)	1446.4	40.6			G1/1800
FVH	(80°-90°)	47.9	1.3			G1/100
BL	(0°-30°)	10.1	0.3	B0/110		
BM	(30°-60°)	35.4	1.0	B0/220		
BH	(60°-80°)	35.0	1.0	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	68.1	66.9	64.4	61.9	60.7	58.2	57.0	54.5	54.5	53.2	54.5
5°	99.1	94.1	89.2	85.4	81.7	78.0	70.6	65.6	64.4	64.4	61.9
7.5°	187.0	179.6	174.6	167.2	153.5	116.4	86.7	80.5	79.3	78.0	75.5
10°	213.0	211.7	209.3	200.6	189.5	169.6	149.8	102.8	100.3	96.6	97.8
12.5°	305.9	302.1	304.6	288.5	265.0	216.7	196.9	175.8	170.9	167.2	153.5
15°	418.5	412.3	333.1	322.0	300.9	298.4	226.6	203.1	198.1	189.5	180.8
17.5°	443.3	447.0	440.8	414.8	369.0	330.6	323.2	257.6	250.1	246.4	236.5
20°	570.9	570.9	546.1	450.7	452.0	413.6	374.0	328.1	296.0	288.5	298.4
22.5°	589.4	591.9	584.5	591.9	485.4	489.1	492.8	465.6	454.5	440.8	423.5
25°	689.7	693.4	676.1	606.8	627.8	568.4	570.9	536.2	518.8	547.3	542.4
27.5°	783.8	786.3	687.2	686.0	663.7	684.8	714.5	683.5	674.9	662.5	639.0
30°	824.7	829.7	798.7	828.4	790.0	745.4	783.8	828.4	819.7	798.7	804.9
32.5°	1001.8	1004.3	986.9	891.6	889.1	890.3	947.3	916.3	905.2	880.4	884.1
35°	1219.7	1218.5	1082.3	1060.0	998.1	1036.4	1038.9	1068.6	1030.3	1057.5	1031.5
37.5°	1394.3	1386.9	1297.7	1274.2	1192.5	1159.0	1182.6	1161.5	1135.5	1157.8	1149.1
40°	1547.9	1555.3	1514.4	1420.3	1373.3	1323.7	1317.5	1259.3	1284.1	1265.5	1263.1
42.5°	1669.2	1681.6	1656.8	1566.4	1500.8	1492.1	1466.1	1394.3	1433.9	1399.3	1404.2
45°	1819.0	1815.3	1769.5	1675.4	1630.8	1642.0	1658.1	1602.3	1604.8	1592.4	1564.0
47.5°	1961.4	1960.2	1931.7	1799.2	1743.5	1772.0	1864.9	1852.5	1806.7	1825.2	1759.6
50°	2082.8	2084.0	2050.6	1903.2	1832.7	1899.5	2080.3	2095.2	2072.9	2079.1	2002.3
52.5°	2124.9	2127.4	2112.5	1962.7	1889.6	1991.2	2254.9	2331.7	2354.0	2360.2	2276.0
55°	2082.8	2091.5	2087.8	1957.7	1888.4	2032.0	2407.2	2563.3	2621.5	2653.6	2602.9
57.5°	2003.5	2011.0	2025.8	1944.1	1876.0	2045.7	2542.2	2880.3	2984.3	3051.1	3068.5
60°	1910.7	1919.3	1963.9	1929.3	1857.4	2022.1	2614.0	3166.3	3352.0	3499.4	3732.2
62.5°	1784.4	1793.0	1830.2	1795.5	1718.7	1857.4	2453.0	3245.6	3504.4	3714.9	4148.3
63°	1741.0	1746.0	1774.5	1734.8	1665.5	1793.0	2383.7	3250.5	3525.4	3745.8	4236.2
65°	1369.5	1379.5	1411.6	1369.5	1354.7	1482.2	1988.7	3090.8	3469.7	3708.7	4311.7
67.5°	747.9	760.3	808.6	790.0	875.5	1019.1	1318.8	2256.2	2775.0	3114.3	3801.5
70°	543.6	543.6	584.5	596.9	639.0	750.4	870.5	1146.7	1448.8	1843.8	2721.8
72.5°	395.0	403.7	438.4	473.0	533.7	668.7	858.1	666.2	686.0	808.6	1432.7
75°	196.9	214.2	252.6	293.5	356.6	508.9	908.9	691.0	627.8	611.7	731.8
77.5°	45.8	47.1	76.8	151.1	182.0	292.2	719.4	844.5	760.3	719.4	643.9
80°	23.5	24.8	31.0	75.5	83.0	105.3	377.7	891.6	901.5	876.7	723.2
82.5°	12.4	12.4	18.6	32.2	32.2	37.1	107.7	542.4	751.6	853.2	834.6
85°	5.0	5.0	11.1	16.1	17.3	16.1	29.7	213.0	376.4	489.1	655.1
87.5°	1.2	1.2	3.7	6.2	7.4	8.7	13.6	39.6	65.6	90.4	151.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	53.2	53.2	53.2	52.0	52.0	52.0	52.0	50.8	50.8	50.8	47.1
5°	60.7	60.7	59.4	58.2	58.2	57.0	57.0	57.0	55.7	55.7	54.5
7.5°	74.3	73.1	71.8	69.3	68.1	66.9	66.9	64.4	63.2	61.9	60.7
10°	97.8	96.6	92.9	90.4	87.9	85.4	83.0	81.7	79.3	78.0	75.5
12.5°	133.7	116.4	112.7	109.0	104.0	100.3	97.8	95.3	94.1	90.4	91.6
15°	193.2	189.5	185.7	183.3	177.1	149.8	138.7	136.2	131.3	127.5	122.6
17.5°	234.0	230.3	221.7	208.0	205.6	200.6	194.4	188.2	158.5	143.6	138.7
20°	303.4	297.2	305.9	303.4	293.5	283.6	272.4	266.2	258.8	245.2	222.9
22.5°	380.2	380.2	369.0	361.6	349.2	333.1	331.9	318.2	292.2	282.3	278.6
25°	542.4	549.8	527.5	499.0	496.6	481.7	445.8	427.2	414.8	401.2	395.0
27.5°	643.9	620.4	599.3	598.1	583.2	537.4	517.6	507.7	513.9	481.7	461.9
30°	778.9	761.5	756.6	734.3	707.1	673.6	667.4	653.8	619.1	573.3	547.3
32.5°	871.8	880.4	896.5	871.8	839.6	830.9	827.2	790.0	743.0	712.0	682.3
35°	1046.4	1034.0	1010.4	972.1	962.1	962.1	934.9	879.2	845.8	825.9	818.5
37.5°	1146.7	1128.1	1093.4	1074.8	1079.8	1071.1	1008.0	977.0	962.1	957.2	908.9
40°	1254.4	1218.5	1187.5	1192.5	1203.6	1141.7	1107.0	1089.7	1094.6	1055.0	994.3
42.5°	1375.7	1328.7	1312.6	1341.1	1282.9	1237.0	1209.8	1219.7	1198.7	1141.7	1102.1
45°	1515.7	1468.6	1478.5	1469.8	1398.0	1355.9	1359.6	1338.6	1299.0	1255.6	1217.2
47.5°	1682.8	1659.3	1689.0	1602.3	1540.4	1526.8	1518.1	1476.0	1424.0	1389.4	1353.4
50°	1930.5	1942.9	1915.6	1812.9	1755.9	1752.2	1702.6	1640.7	1598.6	1540.4	1484.7
52.5°	2259.9	2295.8	2214.1	2132.3	2097.7	2071.7	1989.9	1919.3	1848.8	1778.2	1695.2
55°	2615.3	2685.8	2594.2	2557.1	2545.9	2562.0	2465.4	2393.6	2306.9	2209.1	2107.6
57.5°	3209.6	3228.2	3167.5	3219.5	3260.4	3266.6	3291.4	3238.1	3204.7	3176.2	3077.1
60°	3972.4	4004.6	4061.6	4244.8	4319.1	4424.4	4450.4	4519.7	4534.6	4559.4	4478.9
62.5°	4378.6	4449.2	4631.2	4846.7	4940.8	5041.1	5121.6	5184.7	5234.2	5314.7	5174.8
63°	4426.9	4498.7	4690.6	4892.5	4991.5	5094.3	5169.8	5219.4	5276.3	5333.3	5205.8
65°	4419.4	4498.7	4742.6	4850.4	4956.9	5013.8	5081.9	5085.6	5190.9	5110.4	5096.8
67.5°	3919.2	4128.5	4299.3	4415.7	4506.1	4550.7	4579.2	4613.9	4684.4	4558.1	4628.7
70°	3074.7	3342.1	3494.4	3638.1	3754.5	3787.9	3812.7	3921.7	3825.1	3836.2	3816.4
72.5°	1749.7	2164.5	2423.3	2578.1	2770.0	2804.7	2862.9	2954.6	2830.7	2893.9	2838.2
75°	938.6	1100.8	1326.2	1484.7	1561.5	1635.8	1707.6	1653.1	1618.4	1542.9	1528.0
77.5°	676.1	693.4	712.0	698.4	678.6	673.6	642.7	583.2	567.1	520.1	496.6
80°	677.3	613.0	538.7	444.5	345.5	300.9	282.3	276.1	276.1	276.1	260.0
82.5°	766.5	686.0	590.7	473.0	366.5	288.5	239.0	231.6	226.6	226.6	211.7
85°	622.9	614.2	544.8	435.9	341.8	258.8	200.6	163.5	149.8	133.7	127.5
87.5°	151.1	157.3	137.4	120.1	100.3	79.3	69.3	55.7	47.1	43.3	40.9
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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	47.1	45.8	44.6	44.6	43.3	37.1	32.2	28.5	26.0	24.8	23.5
5°	54.5	53.2	53.2	52.0	52.0	42.1	28.5	24.8	22.3	19.8	19.8
7.5°	59.4	58.2	58.2	57.0	55.7	50.8	28.5	23.5	18.6	19.8	9.9
10°	74.3	73.1	70.6	69.3	68.1	64.4	34.7	24.8	22.3	8.7	7.4
12.5°	90.4	86.7	84.2	81.7	76.8	65.6	34.7	26.0	13.6	11.1	12.4
15°	116.4	111.4	106.5	102.8	99.1	85.4	45.8	32.2	14.9	13.6	13.6
17.5°	132.5	126.3	121.4	120.1	117.6	85.4	44.6	22.3	17.3	17.3	13.6
20°	203.1	201.8	190.7	177.1	164.7	126.3	60.7	28.5	23.5	17.3	17.3
22.5°	266.2	234.0	217.9	198.1	187.0	151.1	61.9	31.0	27.2	21.1	16.1
25°	364.1	329.4	310.8	283.6	273.7	189.5	68.1	39.6	31.0	22.3	18.6
27.5°	443.3	418.5	407.4	393.8	360.3	235.3	79.3	42.1	31.0	24.8	18.6
30°	516.4	517.6	484.2	442.1	408.6	281.1	84.2	45.8	32.2	23.5	18.6
32.5°	678.6	639.0	582.0	544.8	510.2	323.2	91.6	49.5	31.0	23.5	18.6
35°	772.7	712.0	679.8	646.4	601.8	385.1	100.3	48.3	31.0	22.3	17.3
37.5°	849.5	803.6	771.5	723.2	676.1	432.2	105.3	44.6	29.7	21.1	14.9
40°	946.1	913.9	855.7	813.6	765.3	452.0	109.0	40.9	27.2	18.6	12.4
42.5°	1058.7	1011.7	957.2	917.6	835.8	513.9	120.1	38.4	24.8	16.1	11.1
45°	1176.4	1115.7	1081.0	998.1	902.7	558.5	128.8	37.1	22.3	13.6	8.7
47.5°	1286.6	1249.4	1173.9	1068.6	1025.3	627.8	126.3	34.7	19.8	11.1	6.2
50°	1438.9	1388.1	1285.3	1225.9	1155.3	683.5	122.6	33.4	17.3	9.9	5.0
52.5°	1651.9	1544.1	1463.7	1395.5	1276.7	761.5	120.1	31.0	14.9	7.4	2.5
55°	1996.1	1827.7	1728.6	1601.1	1471.1	853.2	113.9	27.2	13.6	6.2	2.5
57.5°	2830.7	2648.7	2435.7	2193.0	1961.4	1067.4	111.4	24.8	11.1	3.7	1.2
60°	4310.5	4191.6	3878.3	3485.8	3157.6	1502.0	120.1	21.1	8.7	2.5	1.2
62.5°	5173.6	5064.6	4841.7	4558.1	4117.3	1957.7	135.0	17.3	6.2	2.5	1.2
63°	5229.3	5141.4	4922.2	4643.6	4246.1	2020.9	142.4	17.3	6.2	2.5	1.2
65°	5125.3	5048.5	4925.9	4709.2	4450.4	2204.2	164.7	16.1	5.0	2.5	1.2
67.5°	4602.7	4521.0	4436.8	4346.4	4161.9	2263.6	180.8	14.9	3.7	2.5	1.2
70°	3806.5	3732.2	3640.6	3600.9	3500.6	2116.2	189.5	13.6	3.7	2.5	1.2
72.5°	2778.7	2693.3	2619.0	2511.2	2415.9	1601.1	139.9	13.6	2.5	2.5	1.2
75°	1411.6	1322.5	1150.4	1069.9	986.9	671.2	57.0	11.1	2.5	2.5	1.2
77.5°	412.3	370.2	299.7	242.7	184.5	120.1	21.1	7.4	2.5	2.5	1.2
80°	243.9	206.8	170.9	135.0	109.0	58.2	12.4	5.0	2.5	3.7	1.2
82.5°	199.4	178.3	147.4	121.4	95.3	43.3	8.7	5.0	3.7	3.7	1.2
85°	115.2	104.0	87.9	70.6	59.4	31.0	6.2	5.0	3.7	5.0	1.2
87.5°	42.1	38.4	35.9	34.7	32.2	22.3	6.2	6.2	5.0	6.2	1.2
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: P179345

CATALOG NUMBER: UTLD-F03-LED-E-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	34.7	34.7	34.7	34.7	34.7
2.5°	22.3	23.5	23.5	23.5	23.5
5°	21.1	21.1	18.6	14.9	14.9
7.5°	8.7	9.9	9.9	9.9	9.9
10°	7.4	12.4	13.6	13.6	13.6
12.5°	11.1	11.1	12.4	12.4	13.6
15°	11.1	13.6	14.9	14.9	14.9
17.5°	14.9	12.4	13.6	13.6	14.9
20°	13.6	14.9	14.9	14.9	14.9
22.5°	16.1	14.9	13.6	14.9	14.9
25°	14.9	14.9	13.6	13.6	13.6
27.5°	14.9	13.6	13.6	13.6	13.6
30°	14.9	13.6	12.4	12.4	12.4
32.5°	13.6	12.4	12.4	11.1	11.1
35°	12.4	9.9	11.1	11.1	11.1
37.5°	11.1	8.7	8.7	9.9	8.7
40°	8.7	7.4	6.2	7.4	7.4
42.5°	6.2	5.0	5.0	5.0	5.0
45°	5.0	2.5	2.5	2.5	2.5
47.5°	2.5	1.2	1.2	1.2	1.2
50°	1.2	0.0	0.0	0.0	0.0
52.5°	1.2	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°	1.2	1.2	1.2	0.0	0.0
75°	1.2	1.2	1.2	1.2	1.2
77.5°	2.5	2.5	2.5	1.2	1.2
80°	3.7	2.5	2.5	1.2	1.2
82.5°	3.7	3.7	3.7	2.5	1.2
85°	5.0	3.7	3.7	3.7	1.2
87.5°	6.2	5.0	5.0	3.7	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)