

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: P179399

Luminaire Tested: **UTLD-E03-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179399  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)  
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-T4-HSS-7030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4759.9 lumens  
Efficiency: N/A  
Efficacy: 63.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2

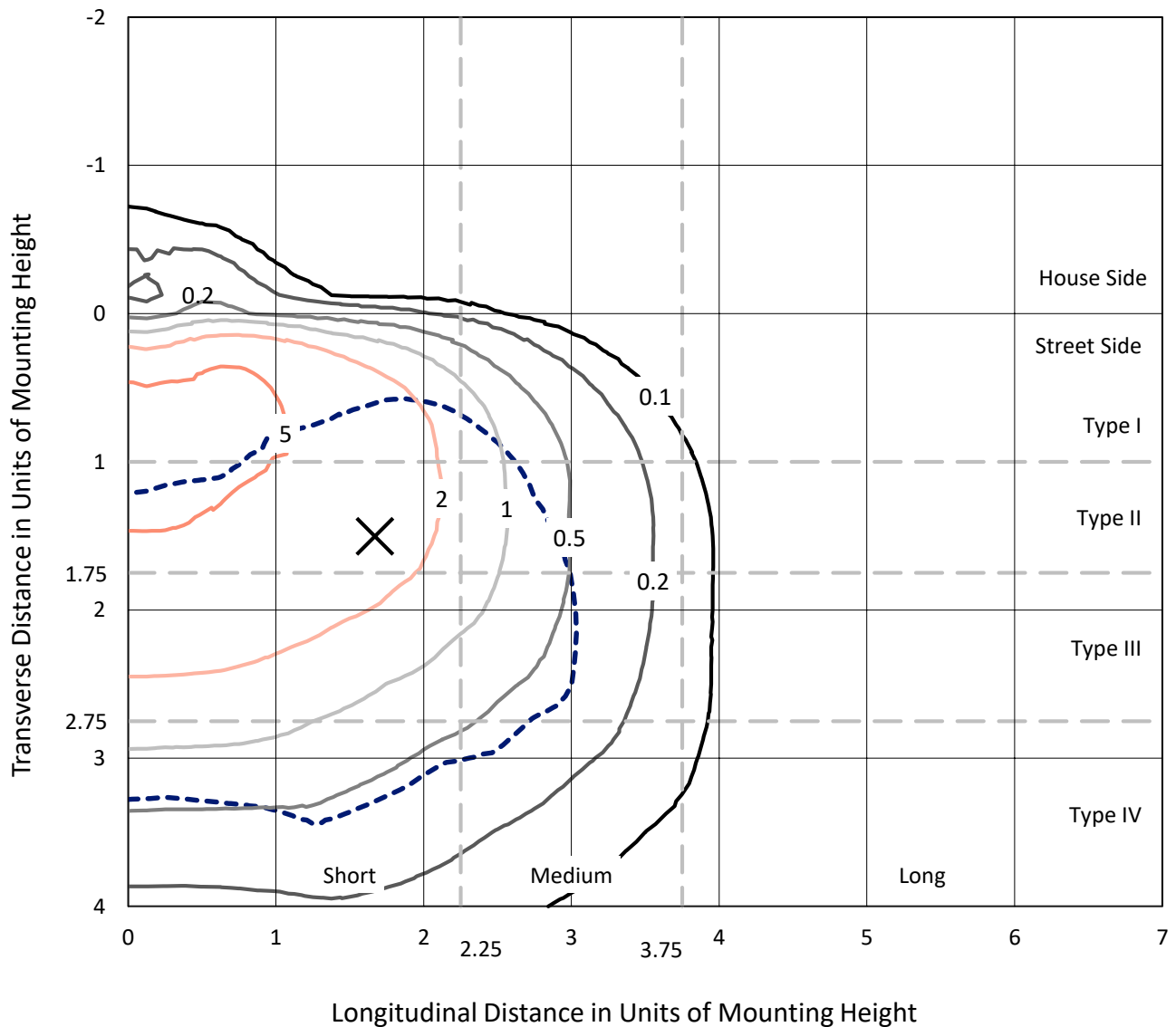
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

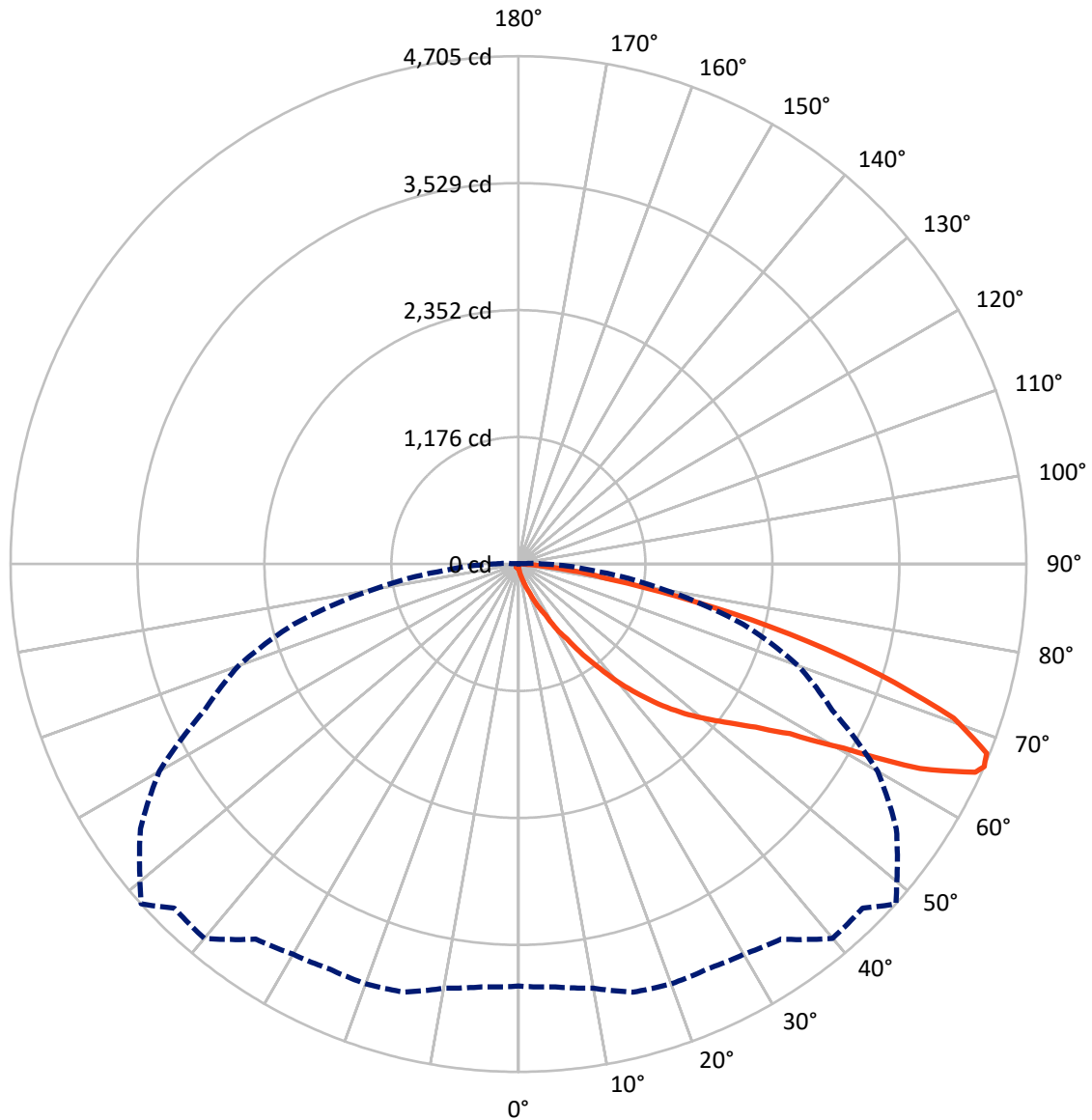
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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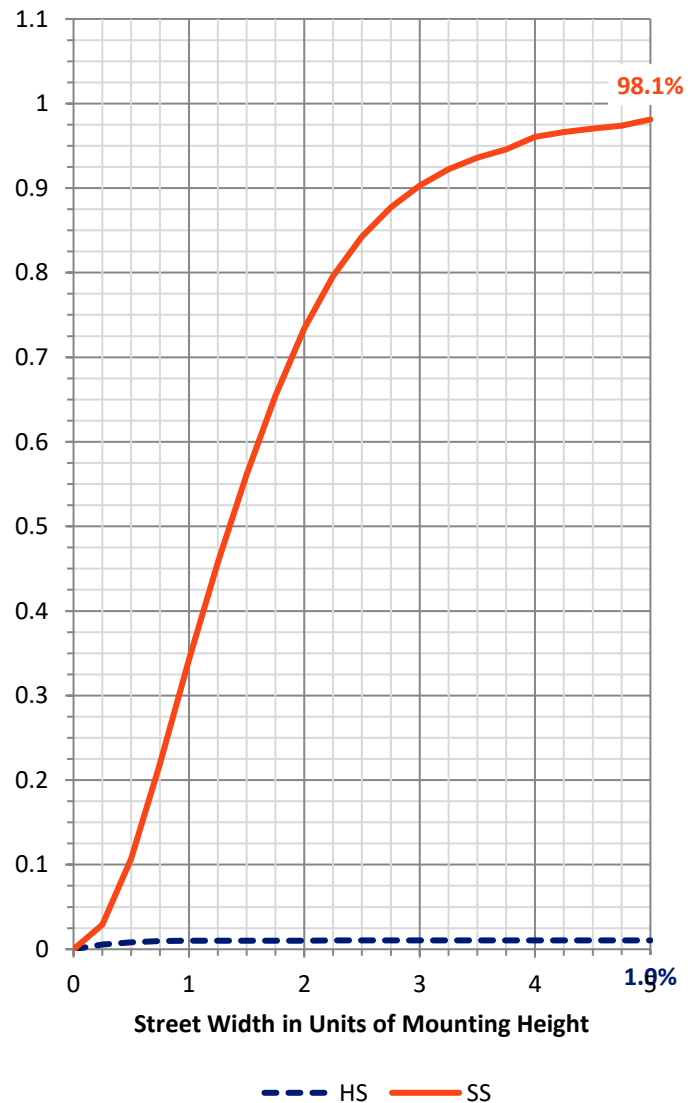
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	51.0	0.0	51.0
	% Fixture	1.1	0.0	1.1
<b>Street Side</b>	Lumens	4708.9	0.0	4708.9
	% Fixture	98.9	0.0	98.9
<b>Total</b>	Lumens	4759.9	0.0	4759.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	29.6	0.6
20°-30°	113.1	2.4
30°-40°	316.7	6.7
40°-50°	614.9	12.9
50°-60°	1007.6	21.2
60°-70°	1642.3	34.5
70°-80°	925.6	19.4
80°-90°	105.9	2.2
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°	4759.9	100.0
0°-180°	4759.9	100.0



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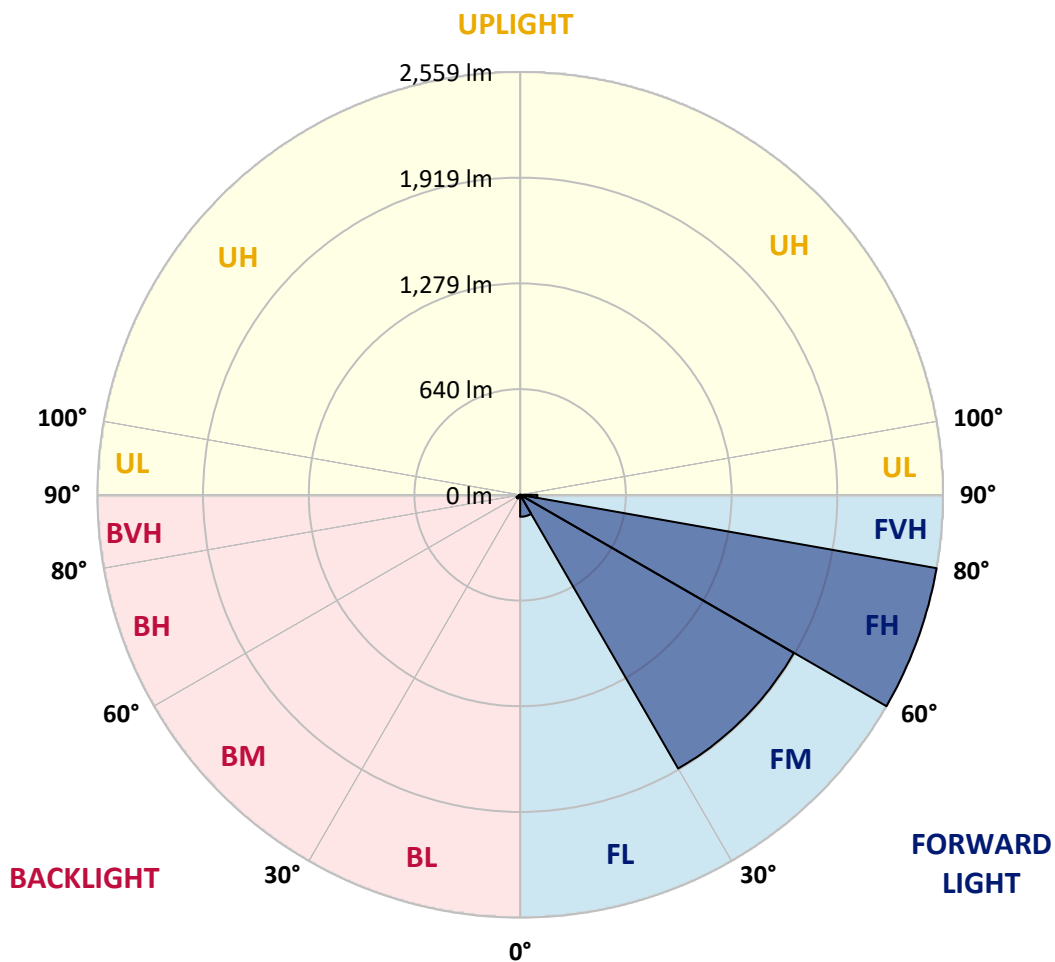
CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.2	2.8			
FM	(30°-60°)	1912.9	40.2			
FH	(60°-80°)	2558.8	53.8			G2/5000
FVH	(80°-90°)	104.1	2.2			G2/225
BL	(0°-30°)	13.9	0.3	B0/110		
BM	(30°-60°)	26.3	0.6	B0/220		
BH	(60°-80°)	9.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
2.5°	48.0	48.0	48.0	48.0	46.6	45.2	45.2	43.8	43.8	43.8	43.8
5°	69.9	69.9	65.8	64.4	61.7	60.3	57.5	56.2	54.8	52.1	52.1
7.5°	111.0	109.6	109.6	108.2	106.9	104.1	100.0	97.3	93.2	71.2	65.8
10°	141.1	142.5	139.7	138.4	130.2	126.0	120.6	115.1	113.7	104.1	98.6
12.5°	194.5	195.9	193.2	191.8	186.3	182.2	172.6	165.8	138.4	127.4	126.0
15°	278.1	278.1	264.4	237.0	228.8	219.2	204.1	201.4	202.8	185.0	161.7
17.5°	324.7	326.1	322.0	315.1	306.9	297.3	287.7	254.8	237.0	221.9	215.1
20°	442.5	442.5	434.3	420.6	371.3	352.1	350.7	334.3	322.0	283.6	268.5
22.5°	511.0	517.9	508.3	498.7	482.2	487.7	464.4	394.6	395.9	360.3	346.6
25°	671.3	672.7	657.6	646.7	641.2	559.0	537.0	548.0	505.5	460.3	449.4
27.5°	835.7	845.3	754.9	734.3	734.3	716.5	724.7	646.7	635.7	579.5	535.7
30°	959.0	963.1	948.1	912.4	898.7	894.6	823.4	828.9	761.7	675.4	704.2
32.5°	1182.3	1189.2	1160.4	1146.7	1049.4	1012.4	968.6	970.0	887.8	874.1	828.9
35°	1453.6	1460.4	1423.5	1307.0	1290.6	1238.5	1213.8	1117.9	1102.9	1031.6	1031.6
37.5°	1633.1	1609.8	1575.5	1531.7	1541.3	1472.8	1393.3	1378.2	1296.0	1242.6	1227.5
40°	1767.3	1774.2	1771.4	1749.5	1701.6	1637.2	1611.2	1574.2	1507.0	1453.6	1460.4
42.5°	1883.8	1897.5	1908.4	1876.9	1838.6	1811.2	1774.2	1750.9	1696.1	1629.0	1661.8
45°	2000.2	2011.2	2034.5	2015.3	1987.9	1983.8	1894.7	1916.7	1872.8	1819.4	1874.2
47.5°	2135.9	2146.8	2164.6	2166.0	2163.3	2105.7	2031.7	2064.6	2055.0	1990.6	2067.4
50°	2287.9	2289.3	2320.8	2342.7	2300.3	2255.1	2183.8	2200.3	2215.3	2166.0	2255.1
52.5°	2452.3	2470.2	2493.4	2508.5	2449.6	2427.7	2367.4	2364.7	2396.2	2345.5	2441.4
55°	2701.7	2709.9	2720.9	2726.4	2649.6	2657.8	2570.2	2561.9	2608.5	2553.7	2667.4
57.5°	3015.4	3037.3	3060.6	3049.7	2970.2	2963.4	2844.2	2804.4	2885.3	2852.4	2964.7
60°	3492.2	3512.7	3530.6	3542.9	3499.0	3473.0	3289.4	3260.7	3396.3	3329.2	3463.4
62.5°	3990.9	4012.8	4033.4	4119.7	4074.5	4041.6	3929.2	3929.2	4095.0	4045.7	4174.5
65°	3984.0	4015.5	4062.1	4175.8	4196.4	4181.3	4177.2	4229.3	4486.8	4470.4	4651.2
66°	3910.1	3932.0	3990.9	4106.0	4138.8	4140.2	4174.5	4241.6	4526.6	4508.8	4704.7
67.5°	3737.4	3764.8	3827.9	3964.9	3999.1	4025.1	4114.2	4167.6	4488.2	4477.2	4678.6
70°	3347.0	3359.3	3418.2	3560.7	3642.9	3629.2	3763.5	3784.0	4095.0	4134.7	4277.2
72.5°	2578.4	2561.9	2741.4	2938.7	3073.0	3020.9	3118.2	3123.7	3388.1	3384.0	3497.7
75°	1371.4	1381.0	1493.3	1756.4	2248.2	2263.3	2282.5	2281.1	2496.2	2494.8	2596.2
77.5°	867.2	890.5	933.0	1012.4	1259.1	1438.5	1508.4	1479.6	1574.2	1607.0	1659.1
80°	350.7	365.8	416.5	546.6	841.2	911.1	933.0	890.5	908.3	864.5	864.5
82.5°	116.5	117.8	134.3	169.9	431.6	602.8	620.6	524.7	516.5	501.4	501.4
85°	63.0	63.0	65.8	89.1	167.1	324.7	356.2	239.8	235.6	200.0	185.0
87.5°	5.5	6.9	5.5	15.1	26.0	49.3	57.5	60.3	68.5	78.1	63.0
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
2.5°	43.8	43.8	43.8	45.2	45.2	43.8	42.5	38.4	37.0	34.3	31.5
5°	50.7	49.3	46.6	45.2	43.8	42.5	42.5	39.7	34.3	30.1	26.0
7.5°	64.4	57.5	53.4	50.7	46.6	42.5	41.1	41.1	32.9	27.4	24.7
10°	95.9	93.2	71.2	61.7	56.2	52.1	49.3	50.7	41.1	32.9	31.5
12.5°	123.3	116.5	104.1	82.2	64.4	58.9	53.4	48.0	41.1	32.9	28.8
15°	154.8	138.4	126.0	112.3	91.8	75.4	65.8	61.7	50.7	42.5	37.0
17.5°	208.2	202.8	156.2	137.0	117.8	84.9	74.0	60.3	53.4	41.1	37.0
20°	260.3	239.8	204.1	179.5	153.4	119.2	94.5	79.5	64.4	54.8	49.3
22.5°	330.2	311.0	272.6	213.7	182.2	152.1	108.2	94.5	74.0	61.7	54.8
25°	446.6	383.6	338.4	297.3	248.0	200.0	137.0	102.8	82.2	68.5	60.3
27.5°	537.0	500.1	443.9	379.5	290.4	231.5	172.6	117.8	91.8	75.4	64.4
30°	728.9	605.6	586.4	497.3	380.9	275.4	197.3	135.6	95.9	76.7	65.8
32.5°	846.7	805.6	709.7	612.4	500.1	369.9	248.0	150.7	102.8	78.1	69.9
35°	1056.3	956.3	905.6	804.2	650.8	474.0	297.3	179.5	102.8	79.5	68.5
37.5°	1272.8	1167.3	1070.0	965.9	786.4	564.5	358.9	202.8	109.6	75.4	64.4
40°	1449.5	1348.1	1215.2	1113.8	900.1	659.0	432.9	217.8	105.5	72.6	58.9
42.5°	1649.5	1528.9	1383.7	1274.1	1031.6	787.8	493.2	256.2	108.2	69.9	53.4
45°	1837.2	1707.1	1560.5	1407.0	1159.0	911.1	563.1	278.1	117.8	68.5	48.0
47.5°	2012.6	1875.6	1737.2	1522.1	1316.6	1041.2	669.9	331.5	126.0	64.4	43.8
50°	2170.1	2040.0	1886.5	1642.7	1445.4	1138.5	772.7	369.9	135.6	58.9	39.7
52.5°	2349.6	2215.3	2015.3	1770.1	1564.6	1263.2	864.5	422.0	148.0	53.4	35.6
55°	2571.5	2403.0	2209.9	1979.7	1704.3	1423.5	968.6	471.3	164.4	48.0	31.5
57.5°	2846.9	2704.4	2507.1	2237.3	1913.9	1581.0	1094.7	534.3	179.5	43.8	28.8
60°	3348.3	3163.4	2977.1	2659.2	2226.3	1833.1	1246.7	616.5	204.1	39.7	26.0
62.5°	4059.4	3858.0	3556.6	3096.3	2633.2	2071.5	1396.1	698.7	231.5	35.6	24.7
65°	4511.5	4234.7	3832.0	3233.3	2782.5	2181.1	1408.4	697.3	234.3	32.9	21.9
66°	4575.9	4274.5	3841.6	3208.6	2760.6	2153.7	1375.5	687.8	230.2	30.1	20.6
67.5°	4569.0	4236.1	3770.3	3105.8	2651.0	2056.4	1268.6	639.8	217.8	28.8	19.2
70°	4211.5	3879.9	3388.1	2751.0	2318.1	1776.9	1090.5	549.4	186.3	24.7	16.4
72.5°	3497.7	3183.9	2738.7	2181.1	1868.7	1405.6	835.7	431.6	146.6	20.6	13.7
75°	2583.9	2283.8	1945.4	1515.2	1230.3	889.1	520.6	279.5	95.9	16.4	11.0
77.5°	1612.5	1359.1	1031.6	771.3	574.0	369.9	183.6	94.5	41.1	13.7	8.2
80°	850.8	693.2	500.1	361.7	265.8	165.8	84.9	43.8	21.9	11.0	5.5
82.5°	490.5	412.4	305.5	227.4	178.1	116.5	63.0	35.6	16.4	6.9	4.1
85°	176.7	152.1	169.9	128.8	97.3	64.4	45.2	28.8	11.0	5.5	4.1
87.5°	65.8	53.4	48.0	41.1	39.7	39.7	37.0	21.9	6.9	4.1	4.1
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
2.5°	30.1	27.4	27.4	26.0	26.0	24.7	24.7	24.7	24.7	24.7	26.0
5°	24.7	23.3	23.3	23.3	21.9	21.9	24.7	26.0	27.4	28.8	27.4
7.5°	24.7	23.3	21.9	23.3	26.0	20.6	16.4	15.1	13.7	15.1	15.1
10°	27.4	26.0	28.8	19.2	13.7	12.3	13.7	13.7	13.7	17.8	21.9
12.5°	27.4	28.8	21.9	19.2	19.2	17.8	21.9	19.2	19.2	19.2	19.2
15°	37.0	27.4	23.3	20.6	23.3	24.7	24.7	23.3	20.6	19.2	23.3
17.5°	31.5	28.8	27.4	32.9	30.1	26.0	23.3	26.0	27.4	24.7	21.9
20°	43.8	39.7	38.4	32.9	30.1	30.1	31.5	26.0	24.7	24.7	27.4
22.5°	46.6	42.5	43.8	41.1	39.7	31.5	30.1	28.8	28.8	26.0	26.0
25°	56.2	57.5	50.7	43.8	39.7	37.0	34.3	28.8	28.8	26.0	27.4
27.5°	60.3	56.2	50.7	48.0	43.8	35.6	34.3	30.1	27.4	27.4	24.7
30°	63.0	57.5	53.4	48.0	42.5	38.4	34.3	28.8	26.0	26.0	24.7
32.5°	67.1	60.3	50.7	45.2	41.1	34.3	32.9	27.4	24.7	21.9	21.9
35°	61.7	54.8	48.0	42.5	35.6	31.5	28.8	26.0	21.9	20.6	19.2
37.5°	54.8	48.0	42.5	37.0	32.9	28.8	26.0	21.9	19.2	17.8	16.4
40°	49.3	41.1	37.0	31.5	28.8	24.7	21.9	17.8	15.1	13.7	12.3
42.5°	43.8	35.6	31.5	27.4	23.3	20.6	17.8	13.7	11.0	9.6	8.2
45°	38.4	31.5	26.0	23.3	19.2	16.4	13.7	9.6	6.9	5.5	4.1
47.5°	34.3	27.4	23.3	19.2	16.4	12.3	9.6	5.5	4.1	2.7	1.4
50°	30.1	23.3	19.2	16.4	12.3	9.6	6.9	4.1	2.7	1.4	1.4
52.5°	26.0	20.6	17.8	13.7	11.0	6.9	4.1	2.7	1.4	1.4	0.0
55°	23.3	19.2	15.1	11.0	8.2	5.5	2.7	1.4	1.4	0.0	0.0
57.5°	21.9	17.8	12.3	8.2	6.9	4.1	2.7	1.4	1.4	0.0	0.0
60°	20.6	15.1	9.6	6.9	5.5	2.7	1.4	1.4	1.4	0.0	0.0
62.5°	19.2	12.3	8.2	5.5	4.1	2.7	1.4	1.4	1.4	1.4	0.0
65°	15.1	9.6	5.5	4.1	2.7	2.7	1.4	1.4	1.4	1.4	1.4
66°	13.7	8.2	5.5	4.1	2.7	2.7	1.4	1.4	1.4	1.4	1.4
67.5°	12.3	8.2	4.1	4.1	2.7	2.7	1.4	1.4	1.4	1.4	1.4
70°	9.6	5.5	4.1	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
72.5°	8.2	5.5	4.1	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
75°	6.9	4.1	2.7	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
77.5°	5.5	4.1	2.7	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
80°	4.1	4.1	2.7	2.7	2.7	2.7	1.4	2.7	2.7	1.4	1.4
82.5°	4.1	2.7	2.7	2.7	2.7	4.1	1.4	2.7	2.7	2.7	2.7
85°	4.1	2.7	2.7	4.1	4.1	4.1	1.4	4.1	4.1	4.1	2.7
87.5°	4.1	4.1	4.1	4.1	5.5	5.5	2.7	5.5	5.5	5.5	4.1
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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CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
0°	37.0	37.0	37.0	37.0	37.0
2.5°	26.0	27.4	27.4	27.4	27.4
5°	27.4	24.7	26.0	26.0	26.0
7.5°	16.4	16.4	16.4	16.4	16.4
10°	23.3	23.3	23.3	23.3	23.3
12.5°	20.6	21.9	21.9	21.9	21.9
15°	24.7	26.0	26.0	26.0	27.4
17.5°	21.9	21.9	24.7	23.3	24.7
20°	26.0	26.0	26.0	26.0	26.0
22.5°	23.3	23.3	26.0	27.4	27.4
25°	26.0	24.7	24.7	24.7	24.7
27.5°	24.7	26.0	26.0	26.0	26.0
30°	23.3	21.9	23.3	23.3	24.7
32.5°	21.9	21.9	21.9	21.9	21.9
35°	19.2	19.2	19.2	20.6	20.6
37.5°	15.1	15.1	16.4	16.4	16.4
40°	12.3	11.0	11.0	12.3	12.3
42.5°	8.2	6.9	6.9	6.9	6.9
45°	4.1	2.7	2.7	2.7	2.7
47.5°	1.4	1.4	1.4	1.4	1.4
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	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
65°	0.0	0.0	0.0	0.0	0.0
66°	1.4	0.0	0.0	0.0	0.0
67.5°	1.4	0.0	0.0	0.0	0.0
70°	1.4	0.0	0.0	0.0	0.0
72.5°	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	0.0	0.0	0.0
77.5°	1.4	1.4	1.4	0.0	0.0
80°	1.4	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	1.4	1.4	0.0
85°	2.7	2.7	2.7	2.7	0.0
87.5°	4.1	4.1	4.1	4.1	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)