

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: P157198

Luminaire Tested: **UTLD-E03-LED-E-U-T4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157198
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)
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-T4-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6676.7 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - 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

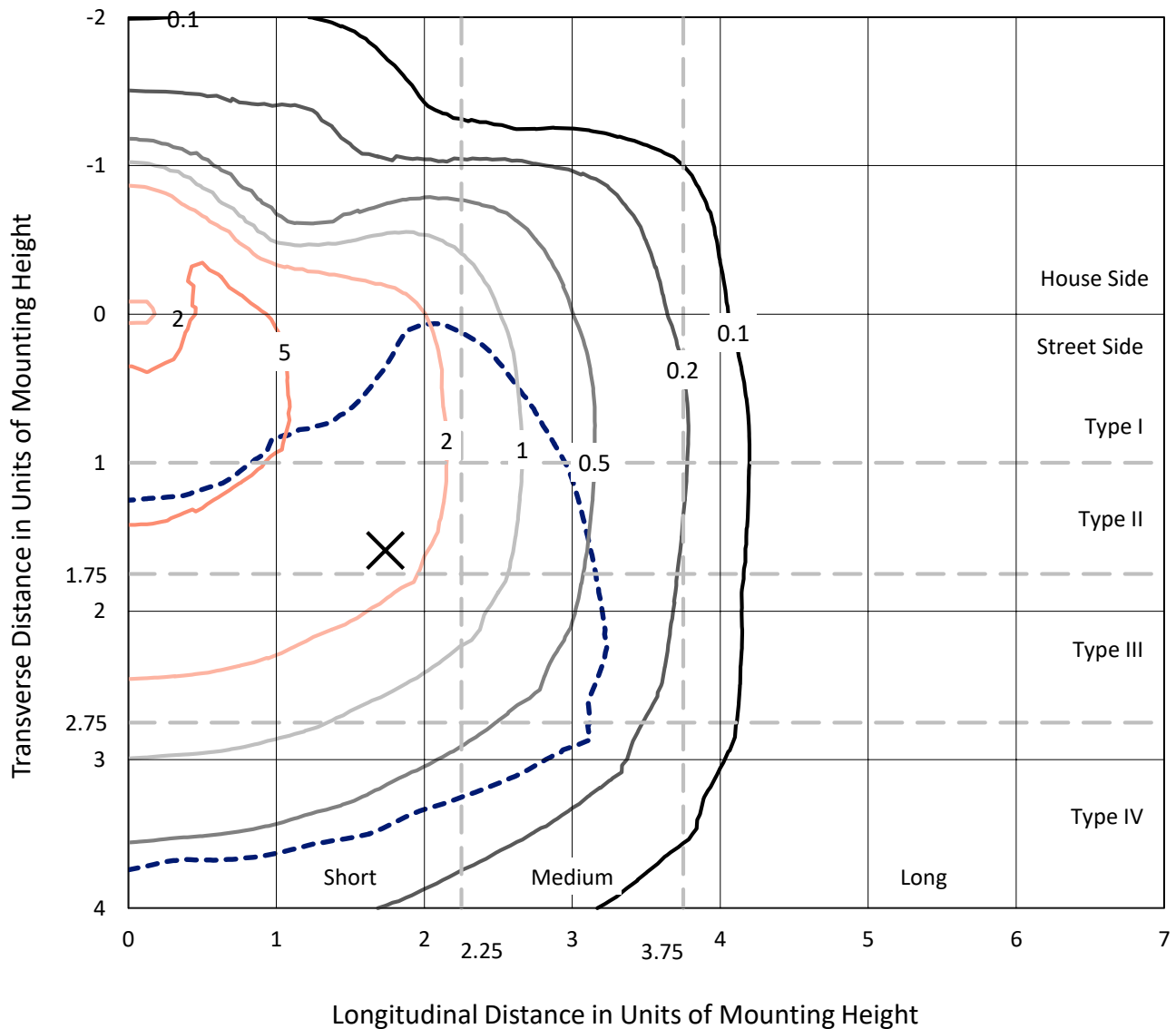


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

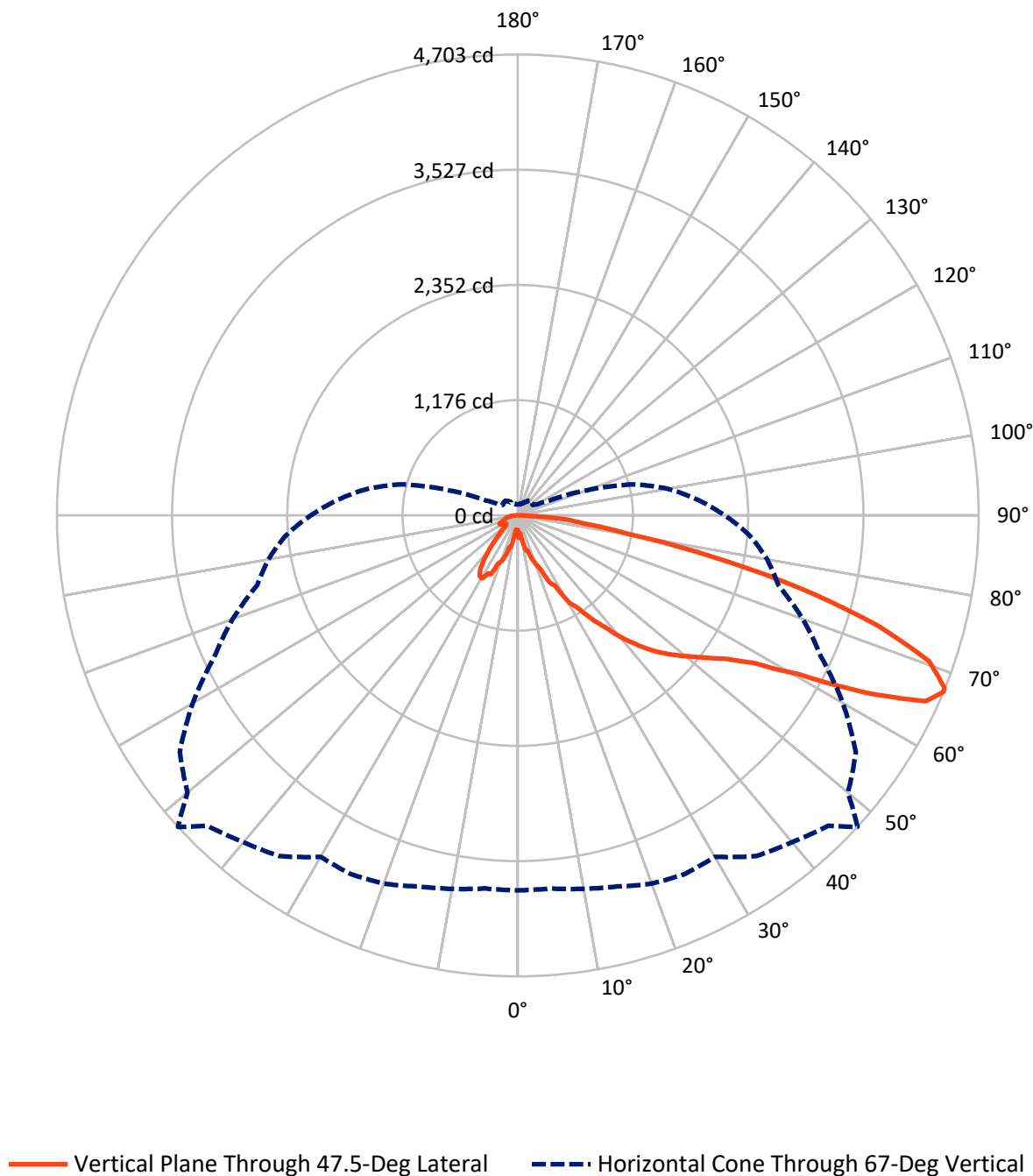


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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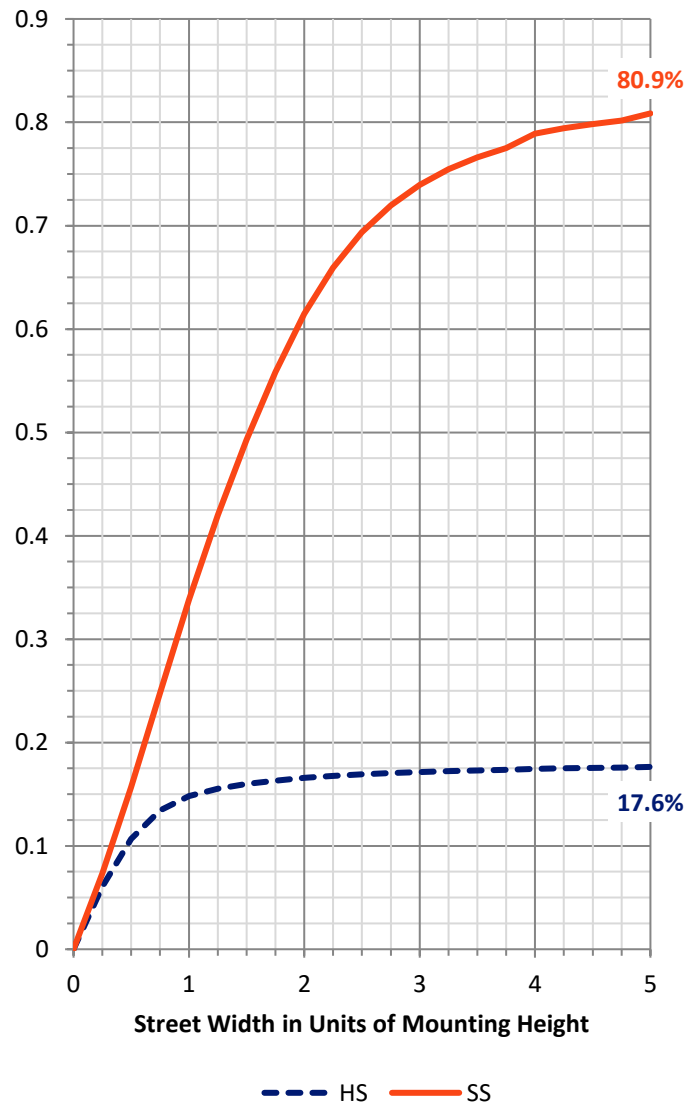
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1198.4	0.0	1198.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	5478.3	0.0	5478.3
	% Fixture	82.1	0.0	82.1
Total	Lumens	6676.7	0.0	6676.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.3
10°-20°	109.5	1.6
20°-30°	322.7	4.8
30°-40°	634.4	9.5
40°-50°	885.9	13.3
50°-60°	1235.1	18.5
60°-70°	1979.1	29.6
70°-80°	1269.6	19.0
80°-90°	220.9	3.3
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°	6676.7	100.0
0°-180°	6676.7	100.0

Coefficient of Utilization



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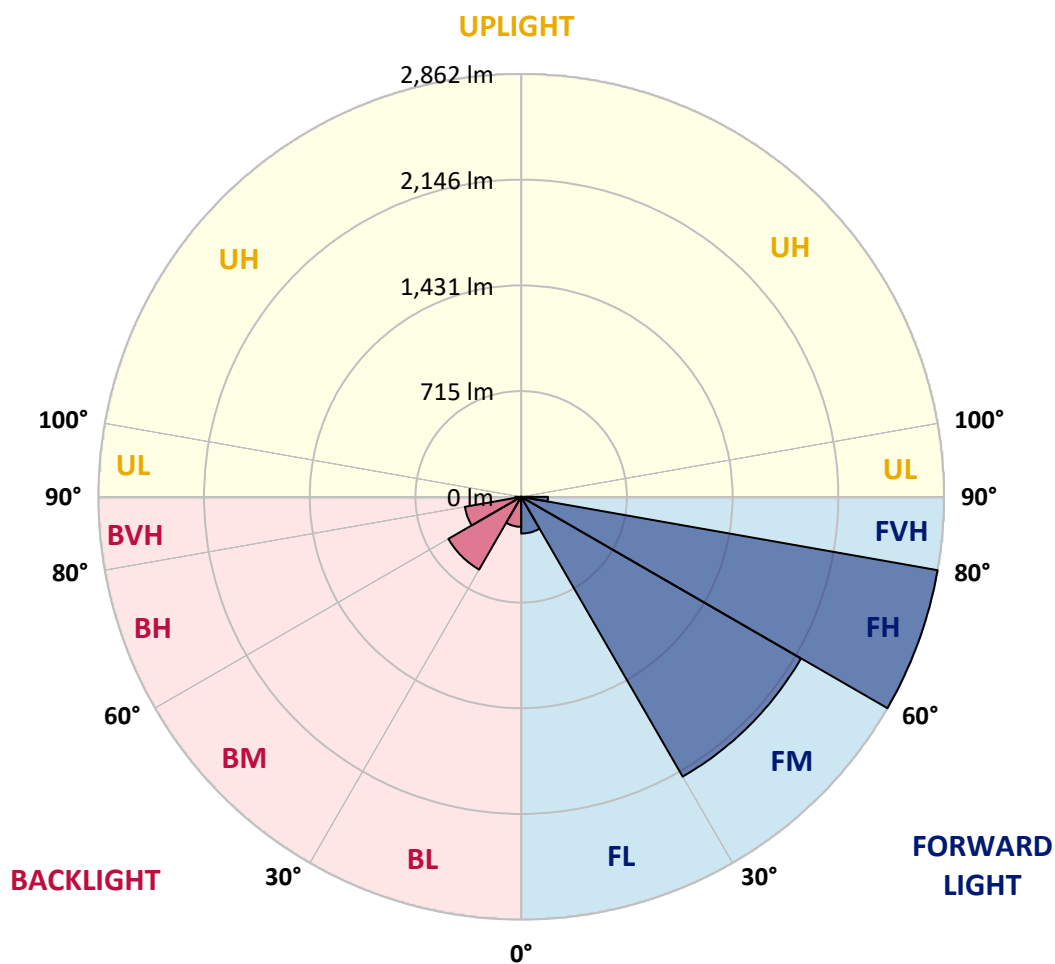
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.7	3.7			
FM	(30°-60°)	2186.8	32.8			
FH	(60°-80°)	2861.8	42.9			G2/5000
FVH	(80°-90°)	181.0	2.7			G2/225
BL	(0°-30°)	203.0	3.0	B1/500		
BM	(30°-60°)	568.6	8.5	B1/1000		
BH	(60°-80°)	387.0	5.8	B1/500		G1/500
BVH	(80°-90°)	39.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
2.5°	230.4	231.7	230.4	231.7	231.7	230.4	230.4	230.4	234.2	222.8	227.9
5°	182.3	183.6	183.6	183.6	183.6	183.6	184.8	188.6	184.8	186.1	186.1
7.5°	278.5	281.0	281.0	278.5	279.8	279.8	278.5	198.8	192.4	188.6	184.8
10°	284.8	287.4	287.4	282.3	283.6	284.8	284.8	283.6	281.0	272.2	270.9
12.5°	386.1	387.4	386.1	384.9	382.3	369.7	339.3	295.0	281.0	355.7	362.1
15°	414.0	412.7	410.2	403.8	400.1	393.7	386.1	449.4	441.8	382.3	374.7
17.5°	525.4	525.4	522.9	521.6	505.1	500.1	484.9	476.0	467.1	454.5	462.1
20°	636.8	630.5	574.8	544.4	525.4	582.4	581.1	564.6	578.6	531.7	530.4
22.5°	677.3	673.5	668.4	652.0	646.9	686.2	648.2	636.8	649.5	600.1	598.8
25°	835.6	834.3	811.5	798.8	759.6	739.3	753.3	743.1	707.7	706.4	758.3
27.5°	903.9	895.1	878.6	857.1	896.3	879.9	882.4	796.3	863.4	829.2	815.3
30°	1079.9	1083.7	1054.6	1064.7	1055.8	977.3	952.0	976.1	972.3	945.7	1030.5
32.5°	1300.2	1298.9	1267.3	1210.3	1133.1	1117.9	1133.1	1111.5	1103.9	1098.9	1124.2
35°	1543.2	1525.5	1416.6	1390.1	1347.0	1315.4	1302.7	1248.3	1271.1	1209.0	1293.8
37.5°	1661.0	1663.5	1621.7	1621.7	1576.2	1529.3	1471.1	1477.4	1428.0	1390.1	1449.6
40°	1835.7	1842.0	1802.8	1781.2	1761.0	1687.6	1648.3	1619.2	1617.9	1583.7	1644.5
42.5°	1920.5	1930.6	1895.2	1883.8	1897.7	1849.6	1786.3	1785.0	1792.6	1745.8	1816.7
45°	2007.9	2020.5	1983.8	1999.0	1983.8	1976.2	1891.4	1934.4	1955.9	1904.0	1981.3
47.5°	2110.4	2126.9	2112.9	2104.1	2088.9	2088.9	2026.8	2056.0	2087.6	2043.3	2124.3
50°	2238.3	2249.7	2234.5	2230.7	2207.9	2204.1	2163.6	2183.8	2209.1	2163.6	2259.8
52.5°	2407.9	2410.4	2400.3	2377.5	2343.3	2350.9	2326.9	2328.1	2338.3	2307.9	2414.2
55°	2621.9	2624.4	2623.1	2570.0	2601.6	2543.4	2504.1	2511.7	2506.7	2482.6	2583.9
57.5°	2889.0	2905.4	2913.0	2866.2	2895.3	2787.7	2764.9	2751.0	2768.7	2714.3	2838.3
60°	3314.4	3339.7	3327.0	3319.4	3296.6	3196.6	3167.5	3208.0	3189.0	3140.9	3289.0
62.5°	3860.0	3853.7	3885.3	3880.2	3886.6	3786.6	3718.2	3816.9	3849.9	3868.9	3981.5
65°	4000.5	4001.8	4042.3	4052.4	4101.8	4091.7	4044.8	4217.0	4272.7	4352.5	4571.5
67°	3825.8	3820.7	3868.9	3919.5	3998.0	4037.2	4022.0	4243.6	4352.5	4479.1	4703.1
67.5°	3771.4	3761.2	3813.2	3879.0	3960.0	4008.1	3996.7	4225.9	4339.8	4477.8	4696.8
70°	3415.6	3380.2	3446.0	3534.6	3608.1	3718.2	3723.3	3941.0	4099.3	4247.4	4451.2
72.5°	2959.9	2913.0	2972.5	3039.6	3094.1	3221.9	3229.5	3371.3	3533.4	3653.6	3842.3
75°	2349.7	2288.9	2344.6	2377.5	2397.8	2501.6	2510.5	2634.5	2753.5	2845.9	2991.5
77.5°	1453.4	1412.8	1458.4	1512.9	1581.2	1626.8	1652.1	1728.1	1858.5	1962.3	2040.8
80°	727.9	757.1	805.2	878.6	935.6	1015.3	1048.2	1053.3	1107.7	1100.1	1149.5
82.5°	506.4	538.0	606.4	653.2	671.0	696.3	736.8	724.1	687.4	681.1	676.0
85°	129.1	201.3	369.7	448.2	465.9	492.5	529.2	550.7	493.7	446.9	455.8
87.5°	35.4	43.0	126.6	187.4	202.6	149.4	193.7	231.7	150.7	100.0	105.1
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
2.5°	205.1	182.3	172.2	157.0	153.2	151.9	149.4	149.4	148.1	148.1	148.1
5°	189.9	210.2	227.9	232.9	222.8	165.8	160.8	151.9	150.7	150.7	151.9
7.5°	186.1	188.6	189.9	182.3	212.7	214.0	154.5	151.9	151.9	151.9	153.2
10°	270.9	201.3	253.2	262.1	268.4	312.7	308.9	234.2	225.3	230.4	238.0
12.5°	364.6	374.7	334.2	270.9	277.3	279.8	314.0	243.1	229.1	238.0	287.4
15°	373.5	372.2	389.9	436.8	379.8	368.4	392.5	336.8	334.2	314.0	367.1
17.5°	529.2	453.2	440.6	444.4	406.4	388.7	360.8	391.2	354.5	344.3	336.8
20°	549.4	503.9	481.1	560.8	610.2	558.3	530.4	539.3	507.7	488.7	484.9
22.5°	597.5	650.7	672.2	621.6	621.6	614.0	669.7	629.2	611.5	591.2	582.4
25°	778.6	692.5	759.6	814.0	787.4	767.2	725.4	739.3	682.4	681.1	655.8
27.5°	852.0	902.6	878.6	883.7	841.9	906.4	878.6	848.2	795.0	784.9	797.6
30°	1040.6	988.7	1011.5	1029.2	1010.3	1006.5	977.3	934.3	896.3	868.5	864.7
32.5°	1117.9	1153.3	1143.2	1121.7	1185.0	1204.0	1186.2	1085.0	1050.8	978.6	978.6
35°	1271.1	1253.3	1341.9	1320.4	1295.1	1271.1	1254.6	1185.0	1110.3	1034.3	1014.1
37.5°	1439.4	1458.4	1455.9	1414.1	1371.1	1326.8	1309.0	1241.9	1158.4	1090.0	998.9
40°	1612.9	1577.4	1559.7	1523.0	1444.5	1405.2	1378.7	1340.7	1212.8	1135.6	1002.7
42.5°	1774.9	1750.9	1667.3	1612.9	1555.9	1498.9	1424.2	1393.9	1264.7	1166.0	990.0
45°	1924.3	1882.5	1792.6	1723.0	1629.3	1583.7	1478.7	1421.7	1321.7	1168.5	955.8
47.5°	2049.6	2006.6	1915.4	1797.7	1711.6	1645.8	1547.0	1497.7	1376.1	1197.6	955.8
50°	2171.2	2121.8	2023.0	1857.2	1780.0	1669.8	1616.7	1547.0	1444.5	1240.7	984.9
52.5°	2304.1	2244.6	2126.9	1938.2	1849.6	1742.0	1685.0	1626.8	1533.1	1300.2	1033.0
55°	2468.7	2397.8	2244.6	2062.3	1935.7	1838.2	1783.8	1723.0	1625.5	1368.5	1092.5
57.5°	2705.4	2605.4	2424.4	2257.3	2102.8	2019.2	1942.0	1858.5	1773.6	1488.8	1190.0
60°	3110.5	3001.7	2768.7	2618.1	2449.7	2338.3	2215.5	2149.6	2019.2	1717.9	1350.8
62.5°	3784.0	3644.8	3424.5	3140.9	2900.4	2673.8	2545.9	2450.9	2257.3	1919.2	1557.2
65°	4284.1	4090.4	3795.4	3429.6	3140.9	2802.9	2678.8	2483.9	2252.2	1933.2	1616.7
67°	4399.3	4210.7	3830.9	3415.6	3096.6	2753.5	2583.9	2378.8	2111.7	1840.7	1559.7
67.5°	4396.8	4211.9	3811.9	3391.6	3071.3	2728.2	2545.9	2337.0	2064.8	1811.6	1542.0
70°	4144.8	3995.5	3563.8	3139.6	2805.4	2487.7	2248.4	2052.2	1793.9	1592.6	1358.4
72.5°	3528.3	3437.2	3040.9	2656.0	2347.1	2081.3	1899.0	1704.0	1471.1	1315.4	1145.7
75°	2754.8	2625.7	2242.1	1942.0	1692.6	1515.4	1369.8	1195.1	1011.5	921.6	857.1
77.5°	1835.7	1709.1	1350.8	1055.8	878.6	729.2	617.8	493.7	383.6	393.7	424.1
80°	997.6	896.3	645.7	465.9	379.8	307.6	258.3	197.5	144.3	173.4	197.5
82.5°	606.4	531.7	412.7	322.8	264.6	224.1	182.3	135.5	103.8	117.7	143.1
85°	421.6	372.2	295.0	231.7	188.6	150.7	117.7	87.4	82.3	89.9	102.5
87.5°	140.5	174.7	132.9	107.6	103.8	93.7	78.5	63.3	49.4	62.0	79.8
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1	148.1
2.5°	149.4	150.7	157.0	160.8	160.8	157.0	182.3	179.8	219.0	221.5	231.7
5°	162.0	163.3	212.7	230.4	231.7	200.0	155.7	149.4	146.9	145.6	149.4
7.5°	183.6	214.0	193.7	139.3	144.3	144.3	146.9	145.6	146.9	173.4	238.0
10°	307.6	230.4	217.7	186.1	150.7	162.0	234.2	235.5	239.3	249.4	250.7
12.5°	270.9	236.7	222.8	224.1	308.9	331.7	320.3	244.3	248.1	254.5	297.5
15°	314.0	310.2	327.9	324.1	315.2	335.5	331.7	396.3	407.6	348.1	349.4
17.5°	321.6	324.1	398.8	408.9	401.3	439.3	415.2	410.2	419.0	412.7	392.5
20°	484.9	539.3	522.9	440.6	454.5	503.9	491.2	421.6	482.3	487.4	452.0
22.5°	507.7	555.8	571.0	617.8	615.3	516.5	531.7	555.8	505.1	482.3	526.7
25°	681.1	727.9	752.0	684.9	620.3	674.8	645.7	553.2	576.0	538.0	538.0
27.5°	846.9	778.6	801.4	771.0	791.2	681.1	648.2	686.2	571.0	581.1	592.5
30°	883.7	867.2	883.7	846.9	793.8	774.8	703.9	672.2	681.1	596.3	588.7
32.5°	945.7	916.6	886.2	820.4	812.8	755.8	706.4	693.8	630.5	598.8	593.7
35°	938.1	871.0	849.5	807.7	748.2	702.6	654.5	619.1	572.2	563.4	557.0
37.5°	914.0	810.2	750.7	710.2	659.6	616.5	548.2	524.1	507.7	491.2	483.6
40°	877.3	746.9	646.9	584.9	533.0	487.4	443.1	420.3	408.9	415.2	422.8
42.5°	812.8	673.5	535.5	464.6	410.2	373.5	344.3	334.2	330.4	336.8	349.4
45°	762.1	581.1	431.7	350.7	305.1	281.0	260.8	253.2	258.3	263.3	269.7
47.5°	739.3	510.2	345.6	264.6	229.1	216.5	203.8	197.5	200.0	203.8	208.9
50°	733.0	469.7	288.6	208.9	184.8	172.2	163.3	160.8	162.0	160.8	163.3
52.5°	734.3	469.7	262.1	183.6	162.0	151.9	144.3	141.8	138.0	136.7	138.0
55°	760.9	482.3	255.7	178.5	158.2	146.9	139.3	138.0	132.9	129.1	127.9
57.5°	841.9	527.9	270.9	188.6	164.6	154.5	146.9	145.6	140.5	134.2	131.7
60°	1002.7	627.9	311.4	211.4	181.0	172.2	167.1	165.8	158.2	149.4	141.8
62.5°	1171.0	738.1	360.8	235.5	200.0	197.5	198.8	196.2	186.1	167.1	153.2
65°	1245.7	781.1	379.8	238.0	200.0	205.1	208.9	210.2	193.7	170.9	153.2
67°	1222.9	750.7	360.8	222.8	187.4	192.4	193.7	195.0	178.5	159.5	143.1
67.5°	1211.5	738.1	354.5	220.3	186.1	189.9	188.6	188.6	173.4	157.0	140.5
70°	1093.8	652.0	312.7	203.8	173.4	168.4	158.2	158.2	146.9	138.0	129.1
72.5°	928.0	553.2	272.2	193.7	164.6	150.7	139.3	138.0	130.4	126.6	121.5
75°	709.0	430.4	239.3	183.6	155.7	139.3	126.6	127.9	120.3	119.0	116.5
77.5°	421.6	292.4	207.6	170.9	148.1	131.7	117.7	120.3	111.4	110.1	110.1
80°	210.2	195.0	172.2	148.1	129.1	116.5	102.5	102.5	96.2	94.9	98.7
82.5°	158.2	146.9	127.9	112.7	101.3	87.4	68.4	76.0	76.0	78.5	81.0
85°	117.7	105.1	91.2	79.8	73.4	65.8	53.2	58.2	59.5	64.6	67.1
87.5°	88.6	74.7	63.3	58.2	55.7	50.6	39.2	46.8	48.1	48.1	50.6
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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CATALOG NUMBER: UTLD-E03-LED-E-U-T4-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	148.1	148.1	148.1	148.1	148.1
2.5°	232.9	230.4	227.9	226.6	226.6
5°	146.9	143.1	143.1	143.1	141.8
7.5°	244.3	248.1	246.9	246.9	245.6
10°	250.7	249.4	250.7	249.4	250.7
12.5°	341.8	351.9	358.3	360.8	358.3
15°	360.8	359.5	360.8	362.1	360.8
17.5°	435.5	446.9	449.4	448.2	448.2
20°	429.2	439.3	440.6	446.9	440.6
22.5°	505.1	502.6	508.9	506.4	503.9
25°	530.4	507.7	563.4	567.2	563.4
27.5°	589.9	552.0	557.0	557.0	552.0
30°	612.7	596.3	600.1	605.1	603.9
32.5°	567.2	573.5	620.3	629.2	627.9
35°	558.3	567.2	560.8	568.4	593.7
37.5°	524.1	529.2	539.3	548.2	549.4
40°	457.0	477.3	492.5	498.8	503.9
42.5°	364.6	386.1	400.1	406.4	401.3
45°	283.6	297.5	308.9	312.7	308.9
47.5°	217.7	222.8	226.6	227.9	231.7
50°	167.1	167.1	168.4	165.8	165.8
52.5°	140.5	136.7	136.7	134.2	134.2
55°	127.9	125.3	124.1	121.5	121.5
57.5°	127.9	122.8	119.0	115.2	115.2
60°	132.9	124.1	116.5	112.7	111.4
62.5°	138.0	126.6	116.5	111.4	110.1
65°	135.5	125.3	116.5	111.4	110.1
67°	130.4	122.8	116.5	111.4	111.4
67.5°	129.1	122.8	116.5	111.4	110.1
70°	124.1	121.5	115.2	110.1	108.9
72.5°	119.0	116.5	110.1	105.1	103.8
75°	113.9	110.1	105.1	101.3	100.0
77.5°	107.6	102.5	97.5	92.4	89.9
80°	97.5	91.2	84.8	81.0	76.0
82.5°	82.3	81.0	73.4	68.4	63.3
85°	68.4	67.1	62.0	55.7	49.4
87.5°	51.9	53.2	49.4	43.0	30.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)