

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: P157050

Luminaire Tested: **UTLD-E03-LED-E-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157050
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33668)
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-SL2
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7937.3 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - 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

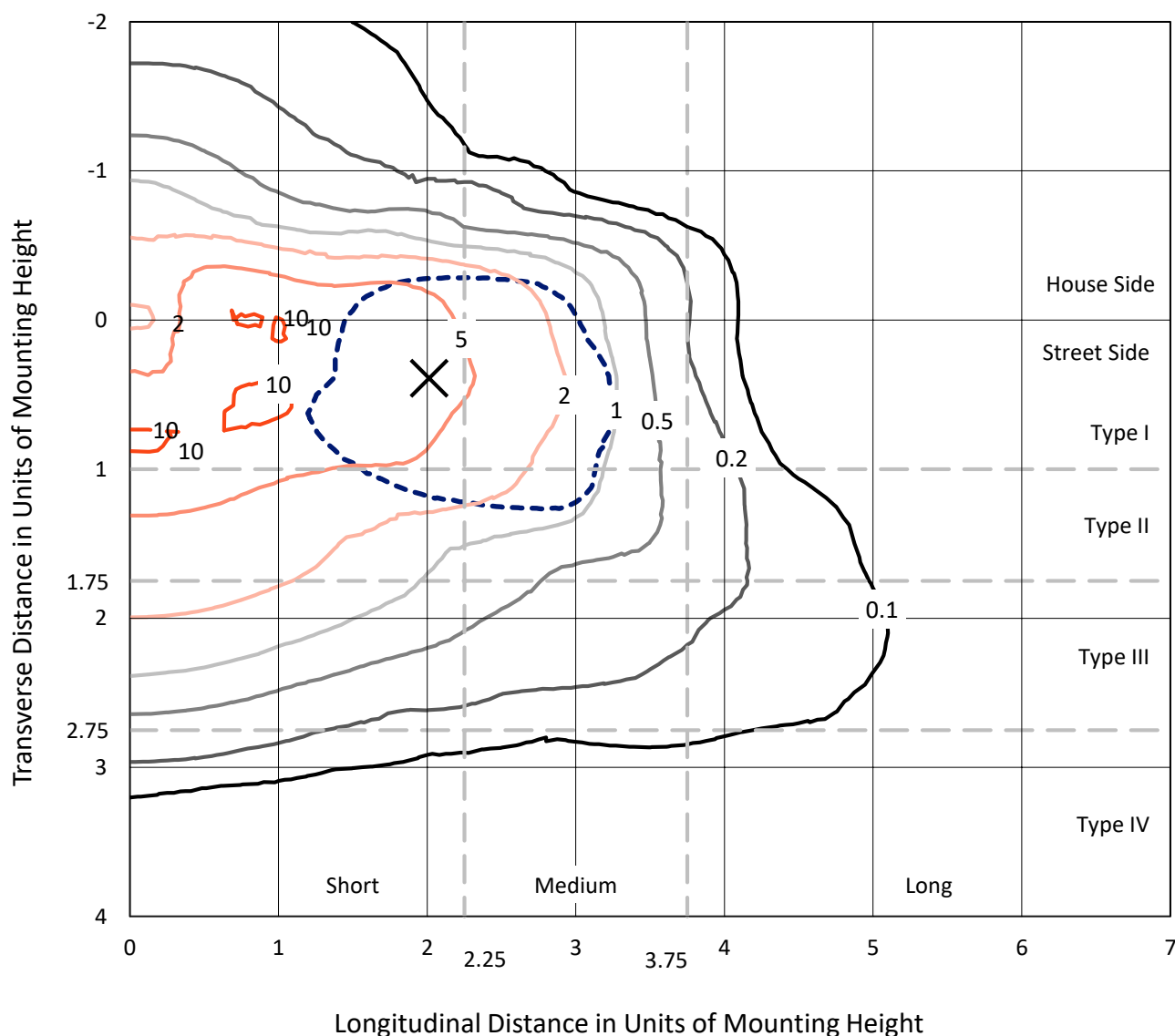


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

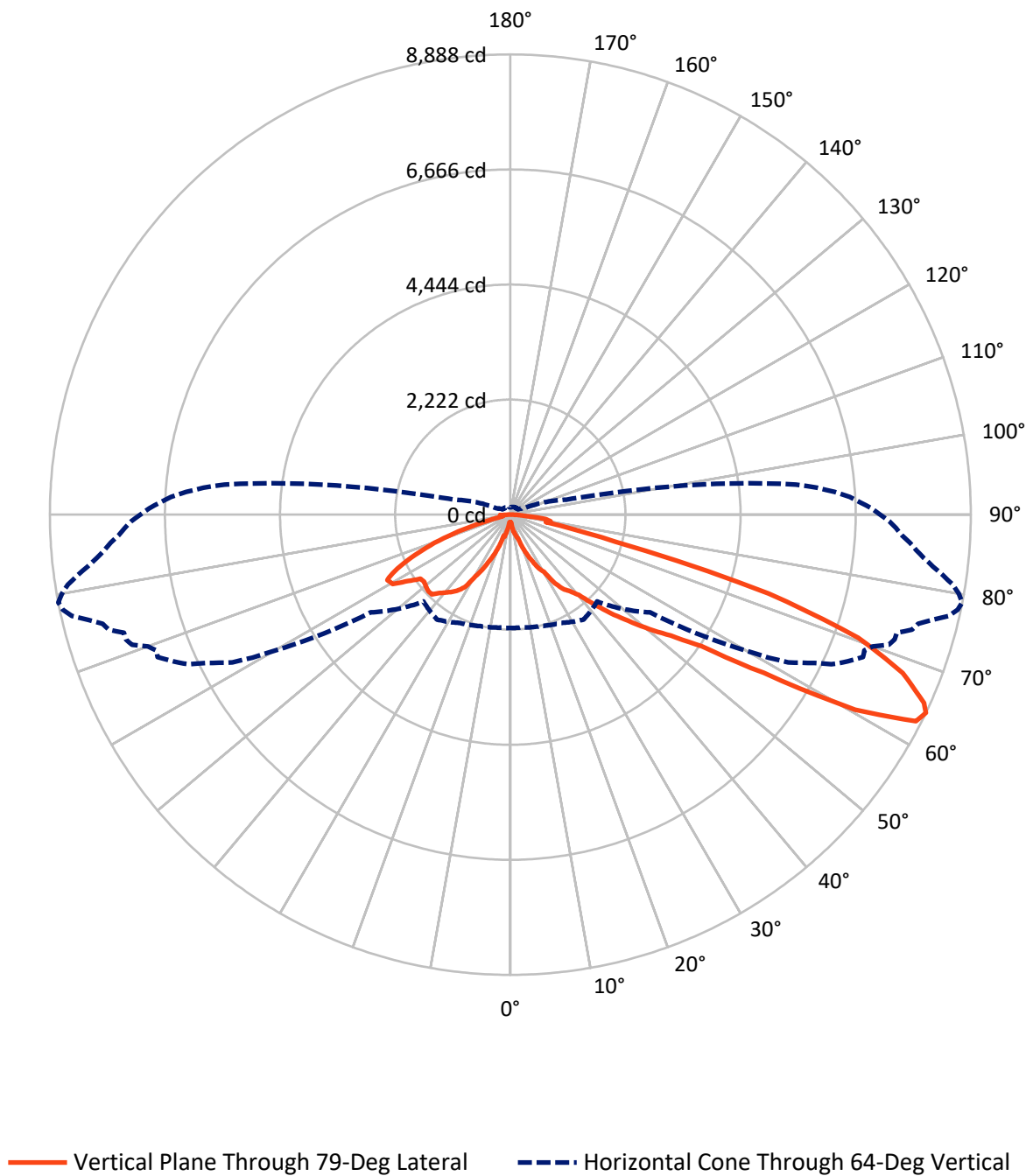


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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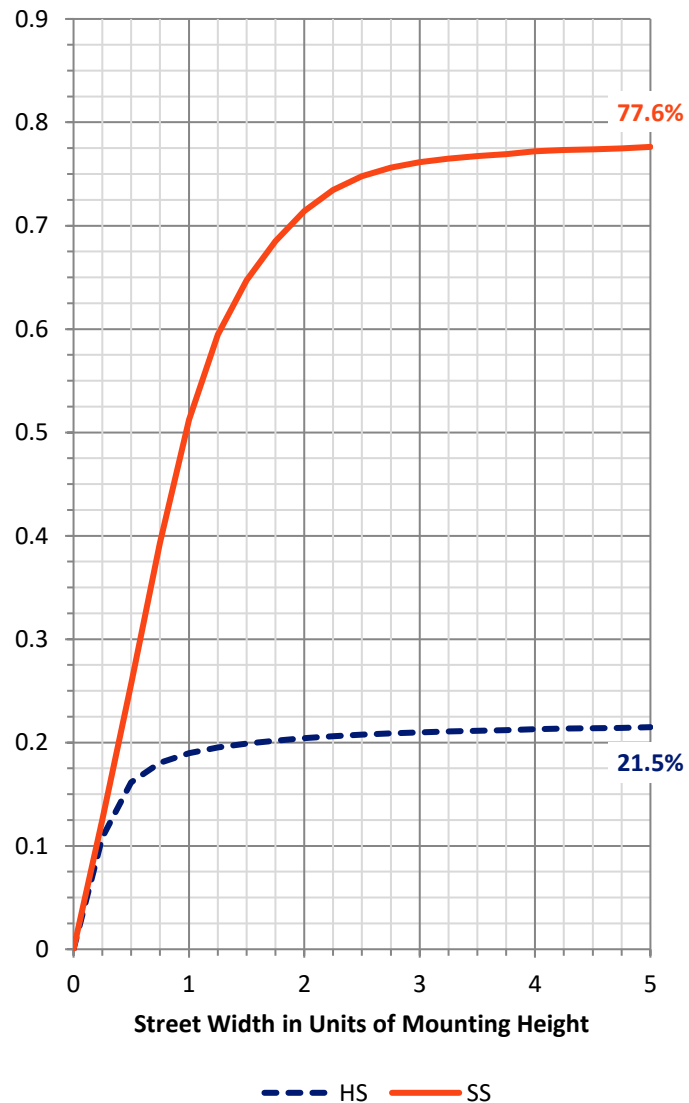
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1743.6	0.0	1743.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6193.7	0.0	6193.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	7937.3	0.0	7937.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.3
10°-20°	116.0	1.5
20°-30°	339.4	4.3
30°-40°	741.7	9.3
40°-50°	1349.0	17.0
50°-60°	1883.8	23.7
60°-70°	2368.7	29.8
70°-80°	918.4	11.6
80°-90°	200.4	2.5
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°	7937.3	100.0
0°-180°	7937.3	100.0

Coefficient of Utilization



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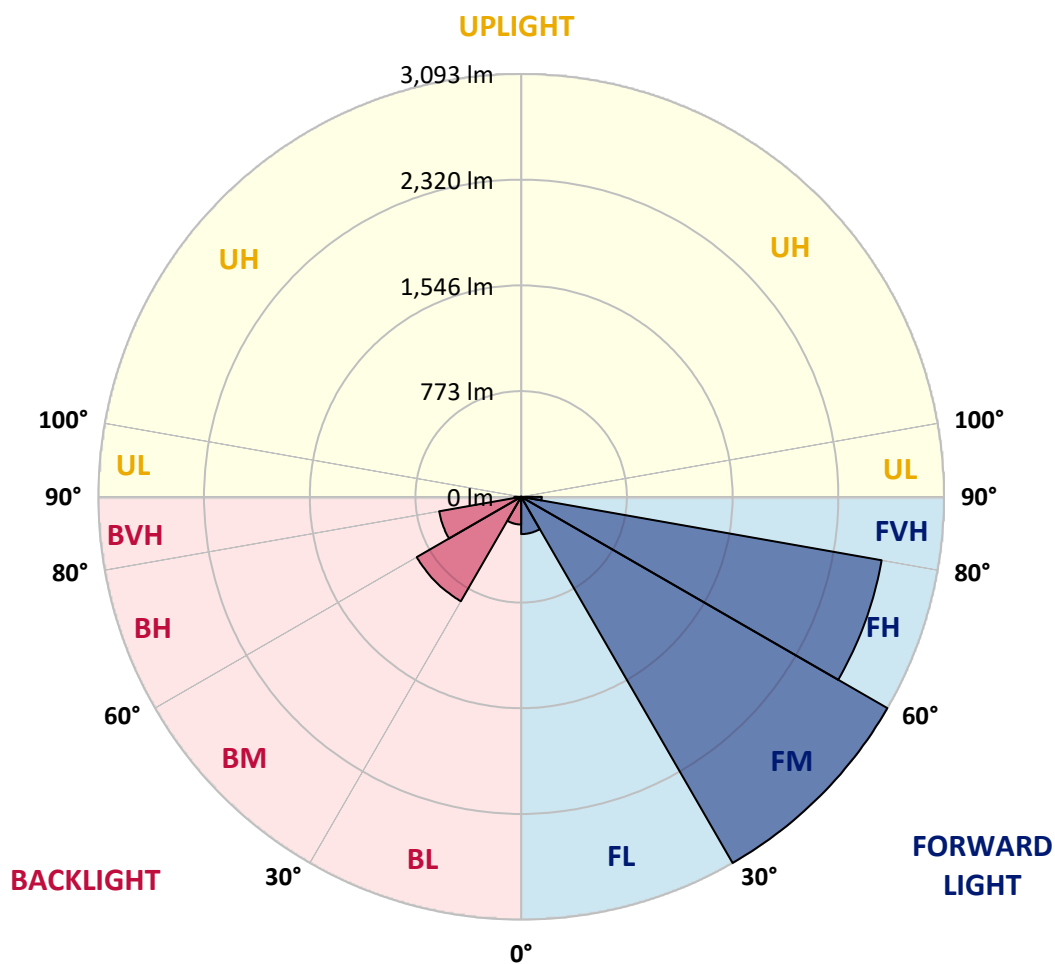
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.7	3.4			
FM	(30°-60°)	3093.0	39.0			
FH	(60°-80°)	2677.5	33.7			G2/5000
FVH	(80°-90°)	150.5	1.9			G2/225
BL	(0°-30°)	202.5	2.6	B1/500		
BM	(30°-60°)	881.6	11.1	B1/1000		
BH	(60°-80°)	609.6	7.7	B2/1000		G2/1000
BVH	(80°-90°)	50.0	0.6			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°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
2.5°	232.5	231.0	234.0	234.0	234.0	231.0	207.0	177.0	175.5	171.0	166.5
5°	192.0	192.0	192.0	193.5	195.0	198.0	210.0	225.0	232.5	234.0	235.5
7.5°	280.5	283.5	283.5	283.5	235.5	202.5	201.0	204.0	201.0	198.0	193.5
10°	288.0	289.5	289.5	292.5	294.0	289.5	247.5	280.5	280.5	282.0	283.5
12.5°	394.5	397.5	396.0	382.5	312.0	382.5	400.5	375.0	349.5	322.5	306.0
15°	418.5	424.5	412.5	400.5	477.0	448.5	423.0	487.5	487.5	492.0	505.5
17.5°	540.0	541.5	532.5	517.5	495.0	507.0	517.5	516.0	525.0	532.5	528.0
20°	648.0	634.5	558.0	598.5	591.0	586.5	588.0	640.5	645.0	648.0	661.5
22.5°	684.0	684.0	652.5	685.5	654.0	661.5	721.5	792.0	789.0	777.0	759.0
25°	834.0	837.0	765.0	709.5	724.5	742.5	778.5	886.5	873.0	888.0	895.5
27.5°	901.5	907.5	843.0	828.0	754.5	835.5	963.0	993.0	1003.5	1021.5	1021.5
30°	1083.0	1086.0	1044.0	925.5	900.0	910.5	1041.0	1084.5	1099.5	1119.0	1192.5
32.5°	1357.5	1359.0	1258.5	1062.0	1012.5	1051.5	1206.0	1255.5	1284.0	1257.0	1288.5
35°	1795.5	1782.0	1594.5	1435.5	1312.5	1215.0	1368.0	1542.0	1524.0	1528.5	1543.5
37.5°	2086.5	2104.5	2046.0	1864.5	1779.0	1644.0	1735.5	1758.0	1723.5	1750.5	1759.5
40°	2317.5	2343.0	2319.0	2229.0	2146.5	2086.5	2197.5	2119.5	2070.0	2074.5	2040.0
42.5°	2404.5	2433.0	2457.0	2509.5	2488.5	2553.0	2707.5	2595.0	2586.0	2542.5	2458.5
45°	2464.5	2491.5	2569.5	2674.5	2707.5	2877.0	3144.0	3099.0	3132.0	3037.5	2986.5
47.5°	2476.5	2502.0	2590.5	2755.5	2847.0	3093.0	3505.5	3550.5	3576.0	3525.0	3513.0
50°	2371.5	2392.5	2487.0	2683.5	2817.0	3187.5	3745.5	3910.5	3933.0	3946.5	3957.0
52.5°	2208.0	2233.5	2322.0	2488.5	2658.0	3144.0	3876.0	4194.0	4221.0	4279.5	4350.0
55°	2143.5	2164.5	2220.0	2355.0	2484.0	2965.5	3942.0	4434.0	4477.5	4579.5	4701.0
57.5°	2134.5	2155.5	2205.0	2250.0	2392.5	2757.0	3970.5	4705.5	4840.5	5005.5	5202.0
60°	2212.5	2221.5	2244.0	2245.5	2311.5	2598.0	3883.5	5040.0	5310.0	5551.5	5860.5
62.5°	2265.0	2272.5	2307.0	2370.0	2352.0	2439.0	3589.5	5257.5	5659.5	6016.5	6417.0
64°	2188.5	2188.5	2229.0	2307.0	2470.5	2371.5	3291.0	5250.0	5691.0	6073.5	6529.5
65°	2101.5	2100.0	2137.5	2200.5	2451.0	2361.0	3075.0	5124.0	5580.0	5964.0	6457.5
67.5°	1707.0	1648.5	1683.0	1762.5	2067.0	2385.0	2538.0	4311.0	4779.0	5242.5	5811.0
70°	883.5	915.0	933.0	1065.0	1429.5	2052.0	2130.0	3046.5	3579.0	4041.0	4825.5
72.5°	373.5	349.5	393.0	486.0	751.5	1453.5	1959.0	2116.5	2394.0	2761.5	3594.0
75°	202.5	204.0	213.0	241.5	391.5	802.5	1806.0	1864.5	1890.0	1950.0	2394.0
77.5°	150.0	150.0	154.5	154.5	204.0	417.0	1440.0	1762.5	1767.0	1728.0	1830.0
80°	112.5	118.5	126.0	120.0	127.5	237.0	843.0	1600.5	1668.0	1681.5	1765.5
82.5°	93.0	96.0	112.5	108.0	100.5	142.5	396.0	1212.0	1401.0	1512.0	1719.0
85°	63.0	67.5	102.0	99.0	91.5	96.0	229.5	393.0	474.0	547.5	697.5
87.5°	25.5	33.0	66.0	60.0	63.0	54.0	141.0	207.0	228.0	259.5	322.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
2.5°	163.5	160.5	159.0	156.0	154.5	153.0	154.5	151.5	150.0	151.5	148.5
5°	234.0	234.0	232.5	229.5	228.0	225.0	223.5	211.5	198.0	190.5	178.5
7.5°	195.0	195.0	198.0	205.5	213.0	220.5	225.0	226.5	225.0	226.5	226.5
10°	283.5	288.0	288.0	291.0	291.0	292.5	294.0	297.0	300.0	318.0	331.5
12.5°	304.5	306.0	306.0	307.5	313.5	319.5	319.5	324.0	321.0	319.5	316.5
15°	498.0	490.5	456.0	451.5	450.0	445.5	433.5	429.0	429.0	432.0	430.5
17.5°	532.5	537.0	531.0	523.5	516.0	499.5	471.0	474.0	471.0	474.0	480.0
20°	666.0	652.5	661.5	694.5	717.0	724.5	732.0	736.5	721.5	699.0	696.0
22.5°	751.5	744.0	762.0	768.0	769.5	784.5	787.5	798.0	838.5	831.0	838.5
25°	897.0	975.0	976.5	981.0	988.5	997.5	991.5	1005.0	1002.0	1014.0	1014.0
27.5°	1044.0	1038.0	1044.0	1050.0	1042.5	1038.0	1053.0	1053.0	1081.5	1065.0	1068.0
30°	1185.0	1189.5	1203.0	1215.0	1224.0	1219.5	1221.0	1242.0	1227.0	1239.0	1257.0
32.5°	1284.0	1302.0	1335.0	1344.0	1429.5	1416.0	1453.5	1471.5	1486.5	1510.5	1533.0
35°	1567.5	1581.0	1599.0	1599.0	1590.0	1612.5	1629.0	1641.0	1656.0	1693.5	1681.5
37.5°	1764.0	1765.5	1771.5	1732.5	1758.0	1768.5	1768.5	1794.0	1821.0	1822.5	1795.5
40°	2025.0	1989.0	1974.0	1939.5	1971.0	1927.5	1960.5	1954.5	1974.0	1950.0	1965.0
42.5°	2419.5	2365.5	2281.5	2269.5	2242.5	2218.5	2190.0	2214.0	2172.0	2190.0	2236.5
45°	2920.5	2776.5	2739.0	2700.0	2589.0	2571.0	2557.5	2502.0	2448.0	2506.5	2586.0
47.5°	3444.0	3285.0	3234.0	3160.5	3087.0	2992.5	2937.0	2821.5	2794.5	2868.0	2920.5
50°	3885.0	3763.5	3772.5	3669.0	3577.5	3516.0	3363.0	3247.5	3241.5	3267.0	3241.5
52.5°	4272.0	4246.5	4251.0	4186.5	4125.0	4048.5	3864.0	3795.0	3748.5	3709.5	3606.0
55°	4657.5	4741.5	4734.0	4783.5	4770.0	4714.5	4584.0	4599.0	4581.0	4453.5	4350.0
57.5°	5295.0	5424.0	5505.0	5577.0	5730.0	5713.5	5688.0	5917.5	5908.5	5787.0	5835.0
60°	6129.0	6268.5	6474.0	6658.5	6829.5	6876.0	7021.5	7336.5	7309.5	7323.0	7482.0
62.5°	6759.0	6934.5	7153.5	7369.5	7366.5	7488.0	7780.5	7939.5	7909.5	8125.5	8251.5
64°	6835.5	7021.5	7180.5	7342.5	7320.0	7443.0	7722.0	7798.5	7800.0	8062.5	8148.0
65°	6723.0	6921.0	7036.5	7179.0	7152.0	7287.0	7564.5	7561.5	7605.0	7872.0	7947.0
67.5°	6033.0	6301.5	6396.0	6448.5	6478.5	6681.0	6832.5	6769.5	6957.0	7066.5	7248.0
70°	5088.0	5388.0	5553.0	5575.5	5680.5	5884.5	5995.5	5877.0	6108.0	6034.5	6351.0
72.5°	4012.5	4293.0	4540.5	4567.5	4746.0	4851.0	4840.5	4842.0	4878.0	4762.5	5026.5
75°	2787.0	3001.5	3190.5	3214.5	3309.0	3216.0	3147.0	3010.5	2853.0	2719.5	2703.0
77.5°	1897.5	1968.0	1950.0	1879.5	1803.0	1681.5	1585.5	1558.5	1458.0	1416.0	1329.0
80°	1758.0	1782.0	1747.5	1743.0	1686.0	1551.0	1482.0	1368.0	1353.0	1303.5	1242.0
82.5°	1758.0	1770.0	1776.0	1810.5	1734.0	1630.5	1512.0	1342.5	1284.0	1152.0	1072.5
85°	834.0	885.0	970.5	1045.5	1042.5	1014.0	883.5	814.5	691.5	592.5	502.5
87.5°	372.0	414.0	462.0	480.0	496.5	480.0	435.0	393.0	322.5	252.0	208.5
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°	81°	82°	83°	84°	85°	86°
0°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
2.5°	148.5	148.5	148.5	148.5	147.0	147.0	147.0	147.0	147.0	145.5	145.5
5°	166.5	163.5	157.5	157.5	154.5	153.0	153.0	151.5	151.5	150.0	150.0
7.5°	225.0	223.5	219.0	201.0	174.0	163.5	154.5	154.5	153.0	154.5	157.5
10°	337.5	337.5	334.5	330.0	328.5	322.5	292.5	267.0	250.5	247.5	244.5
12.5°	321.0	328.5	348.0	358.5	358.5	357.0	354.0	345.0	303.0	277.5	271.5
15°	432.0	435.0	436.5	442.5	460.5	463.5	460.5	463.5	460.5	432.0	393.0
17.5°	486.0	475.5	475.5	480.0	498.0	489.0	507.0	561.0	571.5	526.5	531.0
20°	690.0	690.0	693.0	682.5	690.0	703.5	705.0	711.0	723.0	720.0	702.0
22.5°	819.0	808.5	834.0	846.0	850.5	849.0	847.5	844.5	850.5	859.5	852.0
25°	996.0	1005.0	1006.5	1000.5	987.0	981.0	991.5	1002.0	1033.5	1053.0	1039.5
27.5°	1101.0	1128.0	1197.0	1182.0	1173.0	1183.5	1191.0	1216.5	1206.0	1198.5	1219.5
30°	1282.5	1278.0	1263.0	1276.5	1294.5	1317.0	1311.0	1293.0	1284.0	1305.0	1299.0
32.5°	1525.5	1507.5	1536.0	1576.5	1605.0	1581.0	1564.5	1585.5	1585.5	1563.0	1588.5
35°	1660.5	1693.5	1737.0	1764.0	1744.5	1744.5	1761.0	1750.5	1758.0	1783.5	1798.5
37.5°	1824.0	1878.0	1905.0	1878.0	1884.0	1920.0	1921.5	1936.5	1951.5	1980.0	2022.0
40°	2032.5	2059.5	2040.0	2038.5	2083.5	2095.5	2122.5	2175.0	2197.5	2238.0	2256.0
42.5°	2290.5	2298.0	2301.0	2355.0	2362.5	2376.0	2445.0	2493.0	2551.5	2568.0	2545.5
45°	2610.0	2605.5	2673.0	2710.5	2719.5	2814.0	2841.0	2877.0	2916.0	2881.5	2938.5
47.5°	2901.0	2974.5	3061.5	3064.5	3141.0	3202.5	3226.5	3259.5	3228.0	3264.0	3222.0
50°	3244.5	3376.5	3363.0	3472.5	3532.5	3544.5	3594.0	3546.0	3552.0	3517.5	3505.5
52.5°	3673.5	3729.0	3723.0	3876.0	3886.5	3928.5	3892.5	3864.0	3859.5	3814.5	3781.5
55°	4419.0	4345.5	4423.5	4480.5	4510.5	4527.0	4413.0	4462.5	4348.5	4347.0	4269.0
57.5°	5793.0	5779.5	5829.0	5766.0	5847.0	5719.5	5712.0	5611.5	5541.0	5539.5	5494.5
60°	7447.5	7657.5	7705.5	7645.5	7491.0	7431.0	7333.5	7248.0	7123.5	7134.0	7041.0
62.5°	8380.5	8670.0	8746.5	8785.5	8586.0	8496.0	8272.5	8130.0	7938.0	7876.5	7726.5
64°	8397.0	8686.5	8827.5	8887.5	8787.0	8646.0	8434.5	8220.0	8025.0	7864.5	7728.0
65°	8272.5	8521.5	8713.5	8773.5	8766.0	8580.0	8404.5	8151.0	7971.0	7749.0	7609.5
67.5°	7602.0	7822.5	8073.0	8172.0	8274.0	8209.5	8059.5	7813.5	7597.5	7330.5	7135.5
70°	6564.0	6756.0	6979.5	7123.5	7234.5	7288.5	7159.5	6970.5	6807.0	6493.5	6264.0
72.5°	5127.0	5158.5	5203.5	5209.5	5166.0	5145.0	5029.5	5043.0	4743.0	4552.5	4420.5
75°	2547.0	2442.0	2187.0	2092.5	1876.5	1749.0	1602.0	1543.5	1390.5	1347.0	1230.0
77.5°	1167.0	1021.5	843.0	702.0	586.5	507.0	432.0	379.5	336.0	319.5	295.5
80°	1143.0	1027.5	889.5	786.0	664.5	555.0	451.5	354.0	285.0	243.0	216.0
82.5°	973.5	838.5	745.5	684.0	607.5	531.0	435.0	351.0	270.0	208.5	169.5
85°	399.0	325.5	276.0	250.5	223.5	196.5	169.5	145.5	130.5	111.0	100.5
87.5°	171.0	150.0	138.0	136.5	130.5	126.0	121.5	115.5	102.0	94.5	85.5
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: P157050

CATALOG NUMBER: UTLD-E03-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
2.5°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
5°	150.0	150.0	148.5	148.5	148.5	148.5	150.0	148.5	148.5	148.5	148.5
7.5°	159.0	159.0	159.0	159.0	159.0	159.0	159.0	160.5	159.0	159.0	160.5
10°	243.0	241.5	235.5	234.0	231.0	231.0	231.0	232.5	238.5	241.5	244.5
12.5°	265.5	268.5	271.5	265.5	268.5	261.0	265.5	268.5	267.0	268.5	265.5
15°	396.0	396.0	394.5	393.0	388.5	384.0	382.5	382.5	379.5	376.5	379.5
17.5°	525.0	525.0	517.5	511.5	511.5	480.0	502.5	495.0	499.5	478.5	535.5
20°	658.5	655.5	660.0	670.5	675.0	667.5	657.0	645.0	642.0	661.5	685.5
22.5°	850.5	844.5	828.0	807.0	804.0	802.5	822.0	822.0	823.5	832.5	847.5
25°	1018.5	985.5	972.0	987.0	991.5	970.5	970.5	978.0	1018.5	1033.5	1035.0
27.5°	1224.0	1213.5	1204.5	1186.5	1179.0	1209.0	1225.5	1207.5	1201.5	1224.0	1224.0
30°	1308.0	1332.0	1330.5	1348.5	1362.0	1324.5	1305.0	1353.0	1348.5	1314.0	1333.5
32.5°	1615.5	1627.5	1644.0	1666.5	1650.0	1674.0	1648.5	1629.0	1660.5	1654.5	1632.0
35°	1797.0	1830.0	1830.0	1831.5	1876.5	1867.5	1857.0	1851.0	1827.0	1843.5	1854.0
37.5°	2019.0	1998.0	2016.0	2038.5	2047.5	2058.0	2061.0	2068.5	2037.0	2016.0	1986.0
40°	2236.5	2262.0	2239.5	2245.5	2263.5	2260.5	2272.5	2289.0	2244.0	2212.5	2170.5
42.5°	2563.5	2554.5	2548.5	2539.5	2518.5	2539.5	2518.5	2470.5	2481.0	2434.5	2374.5
45°	2907.0	2889.0	2890.5	2862.0	2841.0	2784.0	2767.5	2754.0	2697.0	2662.5	2568.0
47.5°	3225.0	3211.5	3163.5	3174.0	3109.5	3042.0	3000.0	2979.0	2901.0	2808.0	2751.0
50°	3498.0	3462.0	3463.5	3394.5	3348.0	3295.5	3229.5	3148.5	3063.0	2976.0	2853.0
52.5°	3745.5	3742.5	3699.0	3651.0	3582.0	3553.5	3441.0	3325.5	3222.0	3118.5	2980.5
55°	4320.0	4267.5	4176.0	4152.0	4119.0	3946.5	3862.5	3721.5	3561.0	3435.0	3250.5
57.5°	5508.0	5439.0	5331.0	5320.5	5118.0	4980.0	4786.5	4621.5	4402.5	4188.0	3916.5
60°	6925.5	6823.5	6831.0	6675.0	6502.5	6337.5	6096.0	5862.0	5559.0	5191.5	4737.0
62.5°	7591.5	7492.5	7407.0	7230.0	7047.0	6865.5	6666.0	6352.5	6060.0	5631.0	5067.0
64°	7569.0	7447.5	7317.0	7138.5	6973.5	6762.0	6559.5	6274.5	5944.5	5547.0	4951.5
65°	7459.5	7324.5	7156.5	6985.5	6787.5	6591.0	6391.5	6133.5	5769.0	5383.5	4783.5
67.5°	6943.5	6769.5	6589.5	6424.5	6216.0	6021.0	5842.5	5610.0	5232.0	4818.0	4279.5
70°	6094.5	5880.0	5682.0	5575.5	5424.0	5250.0	5034.0	4839.0	4489.5	4078.5	3589.5
72.5°	4185.0	3937.5	3799.5	3844.5	3693.0	3639.0	3588.0	3435.0	3129.0	2833.5	2520.0
75°	1309.5	1210.5	1144.5	1225.5	1170.0	1260.0	1231.5	1204.5	1123.5	1089.0	979.5
77.5°	297.0	283.5	277.5	274.5	276.0	274.5	270.0	268.5	264.0	267.0	259.5
80°	205.5	196.5	193.5	189.0	186.0	181.5	177.0	175.5	174.0	171.0	169.5
82.5°	148.5	136.5	135.0	132.0	130.5	127.5	126.0	129.0	127.5	132.0	132.0
85°	96.0	90.0	87.0	88.5	87.0	90.0	91.5	94.5	99.0	103.5	111.0
87.5°	79.5	75.0	75.0	76.5	79.5	82.5	90.0	99.0	106.5	118.5	132.0
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-E03-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
2.5°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	148.5	150.0	157.5
5°	148.5	150.0	148.5	150.0	150.0	150.0	151.5	151.5	190.5	231.0	162.0
7.5°	159.0	160.5	159.0	157.5	156.0	154.5	162.0	169.5	213.0	151.5	148.5
10°	246.0	247.5	249.0	264.0	286.5	318.0	324.0	324.0	235.5	205.5	231.0
12.5°	265.5	276.0	321.0	337.5	337.5	337.5	334.5	316.5	249.0	325.5	324.0
15°	406.5	439.5	441.0	442.5	441.0	412.5	385.5	378.0	388.5	349.5	333.0
17.5°	520.5	460.5	502.5	420.0	396.0	402.0	408.0	417.0	474.0	442.5	409.5
20°	697.5	699.0	657.0	642.0	631.5	630.0	633.0	639.0	603.0	496.5	457.5
22.5°	832.5	810.0	817.5	828.0	819.0	798.0	789.0	778.5	714.0	655.5	483.0
25°	1000.5	996.0	985.5	984.0	1006.5	1020.0	1009.5	994.5	892.5	658.5	516.0
27.5°	1221.0	1230.0	1227.0	1195.5	1180.5	1201.5	1180.5	1135.5	1000.5	817.5	532.5
30°	1335.0	1356.0	1366.5	1365.0	1329.0	1329.0	1318.5	1348.5	1101.0	796.5	546.0
32.5°	1644.0	1645.5	1641.0	1642.5	1636.5	1585.5	1533.0	1504.5	1086.0	814.5	520.5
35°	1813.5	1800.0	1803.0	1773.0	1737.0	1699.5	1644.0	1575.0	1162.5	747.0	459.0
37.5°	1996.5	1947.0	1894.5	1869.0	1816.5	1771.5	1729.5	1647.0	1125.0	691.5	393.0
40°	2124.0	2109.0	2010.0	1945.5	1909.5	1839.0	1767.0	1714.5	1054.5	574.5	333.0
42.5°	2275.5	2211.0	2164.5	2038.5	1957.5	1902.0	1800.0	1704.0	943.5	465.0	289.5
45°	2464.5	2340.0	2239.5	2158.5	1989.0	1884.0	1788.0	1672.5	802.5	379.5	262.5
47.5°	2616.0	2481.0	2308.5	2166.0	2026.5	1819.5	1710.0	1576.5	669.0	327.0	244.5
50°	2745.0	2554.5	2359.5	2139.0	1959.0	1744.5	1569.0	1462.5	552.0	285.0	223.5
52.5°	2823.0	2611.5	2371.5	2107.5	1854.0	1656.0	1462.5	1311.0	463.5	255.0	202.5
55°	2989.5	2755.5	2446.5	2130.0	1825.5	1584.0	1407.0	1221.0	411.0	228.0	186.0
57.5°	3550.5	3153.0	2769.0	2349.0	1978.5	1668.0	1455.0	1254.0	382.5	208.5	172.5
60°	4263.0	3723.0	3175.5	2635.5	2178.0	1804.5	1513.5	1303.5	352.5	196.5	165.0
62.5°	4494.0	3868.5	3240.0	2688.0	2164.5	1764.0	1462.5	1231.5	309.0	187.5	163.5
64°	4338.0	3706.5	3097.5	2536.5	2040.0	1644.0	1353.0	1116.0	279.0	184.5	169.5
65°	4159.5	3537.0	2964.0	2416.5	1932.0	1539.0	1252.5	1032.0	259.5	183.0	175.5
67.5°	3643.5	3069.0	2518.5	2005.5	1584.0	1245.0	970.5	775.5	217.5	187.5	196.5
70°	3060.0	2478.0	2019.0	1563.0	1203.0	915.0	687.0	531.0	189.0	199.5	213.0
72.5°	2170.5	1687.5	1390.5	1050.0	793.5	579.0	438.0	334.5	166.5	193.5	198.0
75°	859.5	720.0	576.0	448.5	366.0	300.0	252.0	205.5	150.0	172.5	156.0
77.5°	241.5	226.5	210.0	189.0	177.0	166.5	156.0	148.5	135.0	145.5	117.0
80°	162.0	156.0	151.5	147.0	144.0	139.5	136.5	135.0	124.5	121.5	87.0
82.5°	130.5	130.5	132.0	132.0	133.5	135.0	135.0	135.0	121.5	108.0	72.0
85°	118.5	126.0	135.0	145.5	153.0	156.0	157.5	154.5	115.5	93.0	57.0
87.5°	147.0	163.5	180.0	195.0	198.0	204.0	195.0	190.5	93.0	75.0	36.0
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: P157050

CATALOG NUMBER: UTLD-E03-LED-E-U-SL2

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	145.5	145.5	145.5	145.5	145.5
2.5°	175.5	223.5	234.0	234.0	229.5
5°	150.0	148.5	144.0	144.0	144.0
7.5°	150.0	202.5	228.0	232.5	229.5
10°	229.5	237.0	235.5	231.0	229.5
12.5°	238.5	259.5	306.0	301.5	303.0
15°	390.0	295.5	291.0	282.0	282.0
17.5°	372.0	318.0	333.0	327.0	327.0
20°	411.0	370.5	313.5	312.0	304.5
22.5°	426.0	390.0	340.5	327.0	327.0
25°	438.0	360.0	315.0	334.5	334.5
27.5°	403.5	363.0	306.0	292.5	291.0
30°	412.5	328.5	304.5	288.0	286.5
32.5°	376.5	303.0	274.5	285.0	285.0
35°	336.0	286.5	268.5	271.5	271.5
37.5°	303.0	268.5	270.0	274.5	274.5
40°	273.0	259.5	273.0	279.0	277.5
42.5°	253.5	249.0	255.0	261.0	259.5
45°	235.5	232.5	238.5	241.5	240.0
47.5°	220.5	220.5	222.0	223.5	223.5
50°	205.5	208.5	208.5	208.5	207.0
52.5°	192.0	192.0	195.0	193.5	193.5
55°	178.5	180.0	184.5	181.5	180.0
57.5°	166.5	172.5	172.5	169.5	168.0
60°	160.5	166.5	163.5	157.5	156.0
62.5°	163.5	162.0	156.0	148.5	147.0
64°	168.0	162.0	153.0	144.0	144.0
65°	172.5	162.0	151.5	141.0	141.0
67.5°	190.5	171.0	160.5	139.5	136.5
70°	201.0	184.5	172.5	139.5	133.5
72.5°	183.0	174.0	172.5	136.5	129.0
75°	141.0	147.0	154.5	127.5	121.5
77.5°	108.0	124.5	144.0	111.0	102.0
80°	87.0	118.5	150.0	93.0	78.0
82.5°	75.0	142.5	154.5	76.5	64.5
85°	61.5	160.5	151.5	66.0	46.5
87.5°	45.0	76.5	102.0	60.0	37.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)