

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: P157048

Luminaire Tested: **UTLD-E03-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157048
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-SL2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6699 lumens
Efficiency: N/A
Efficacy: 89.1 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

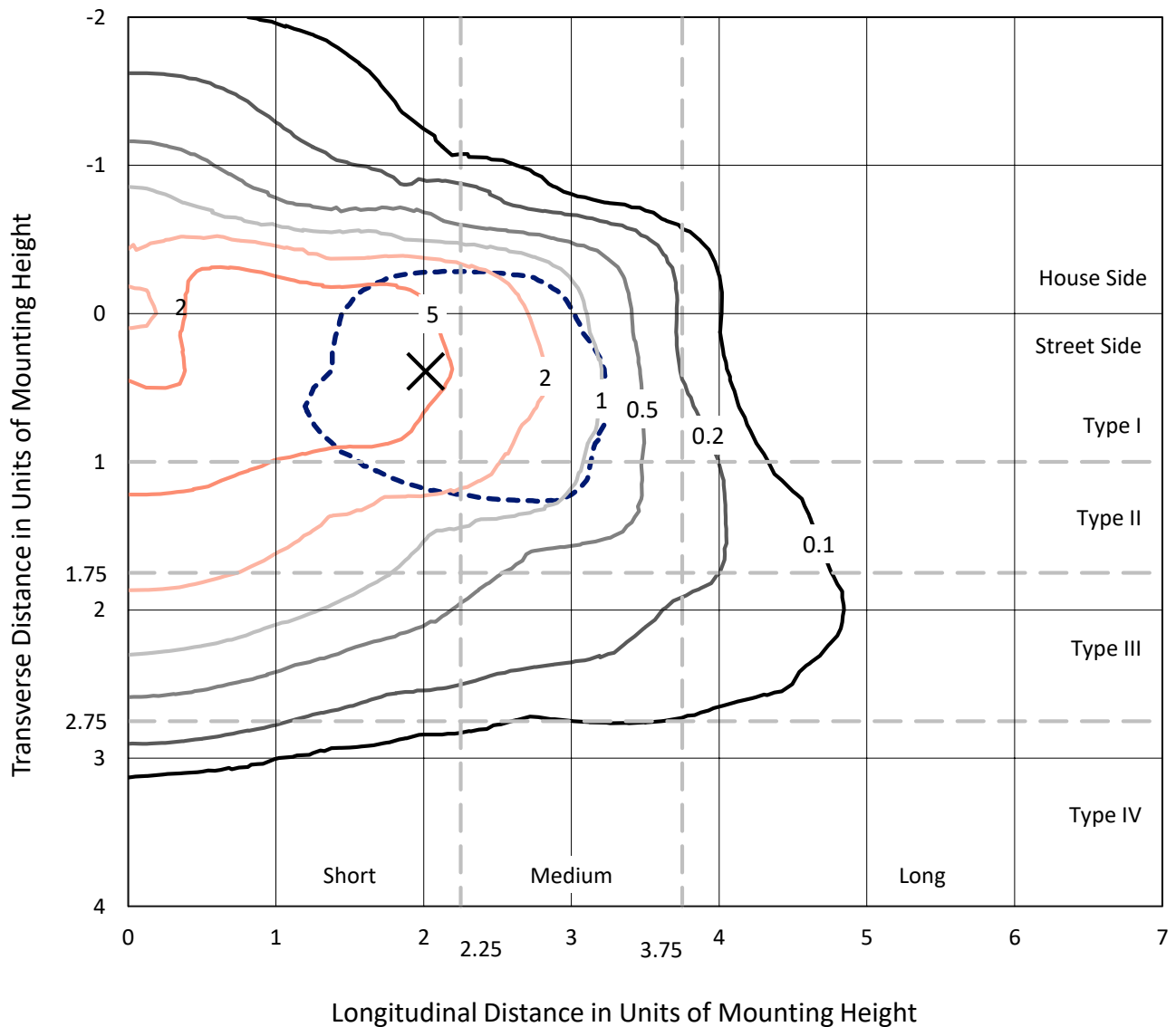
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

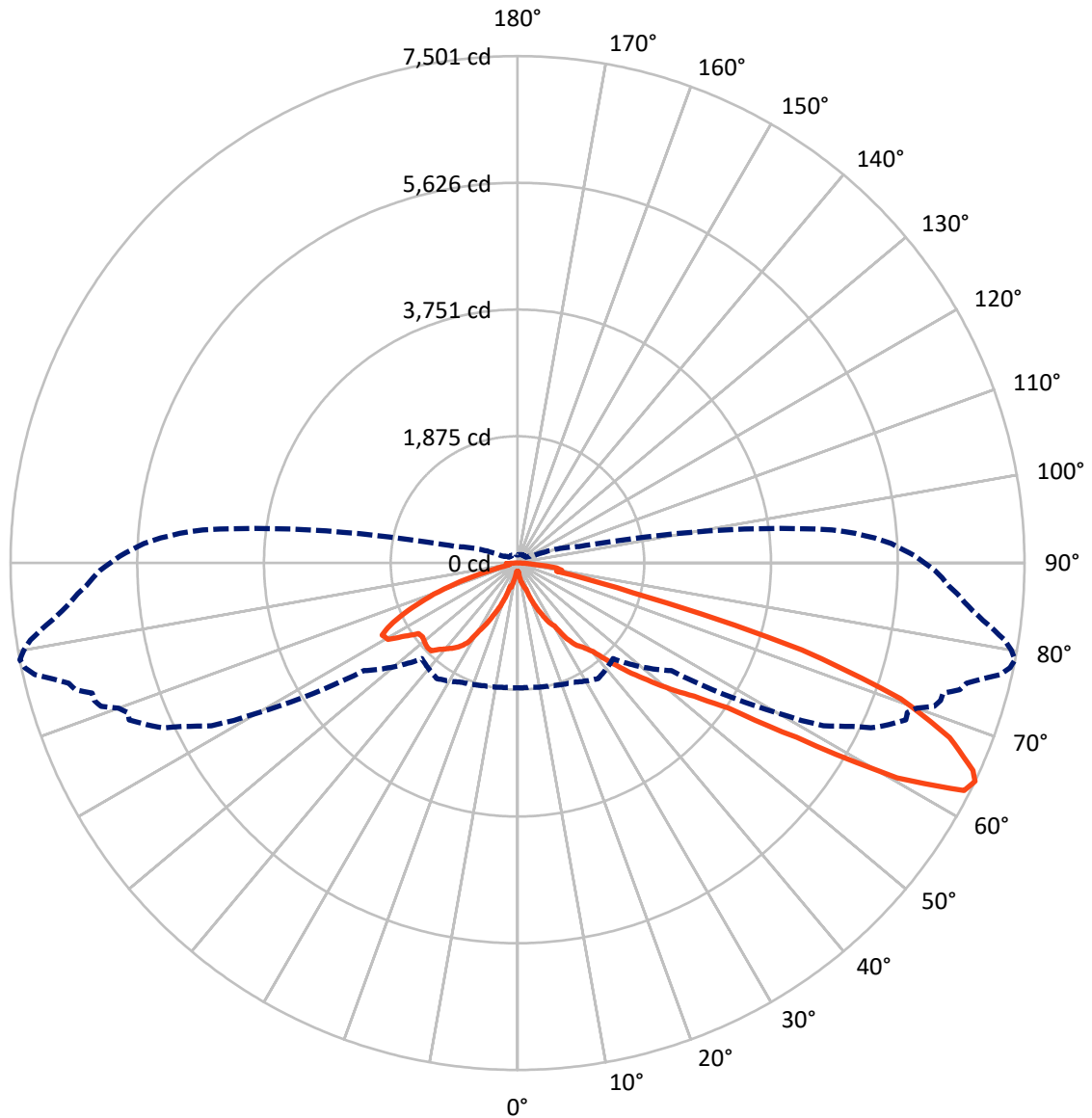
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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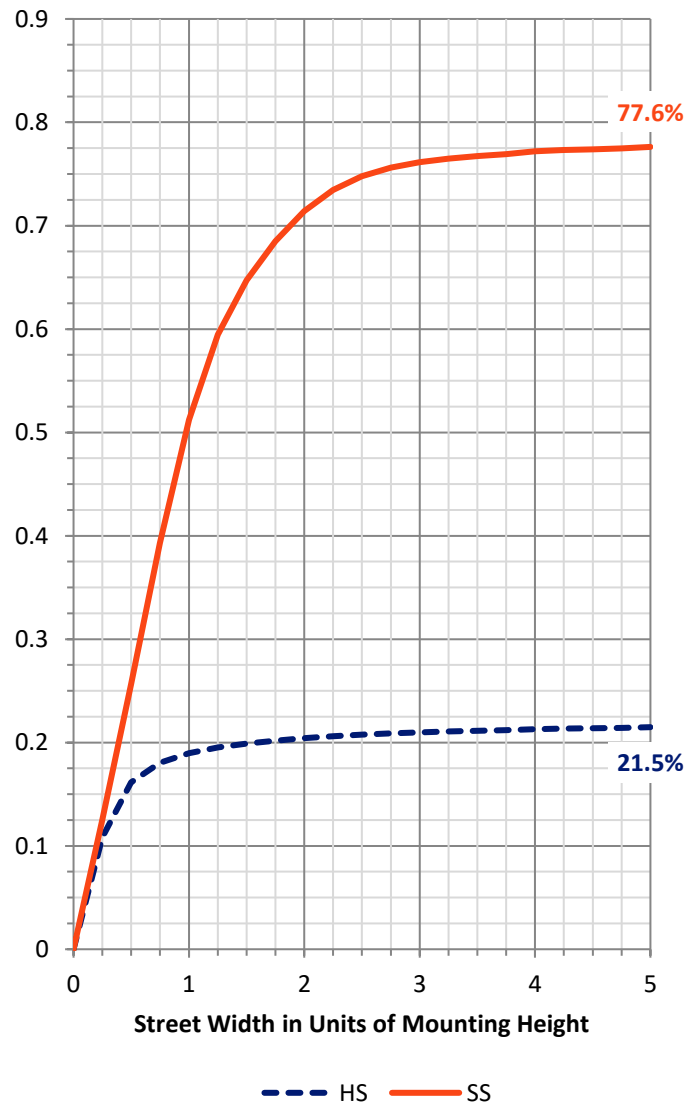
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1471.6	0.0	1471.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5227.4	0.0	5227.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	6699.0	0.0	6699.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.3
10°-20°	97.9	1.5
20°-30°	286.5	4.3
30°-40°	626.0	9.3
40°-50°	1138.6	17.0
50°-60°	1589.9	23.7
60°-70°	1999.2	29.8
70°-80°	775.1	11.6
80°-90°	169.2	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°	6699.0	100.0
0°-180°	6699.0	100.0

Coefficient of Utilization



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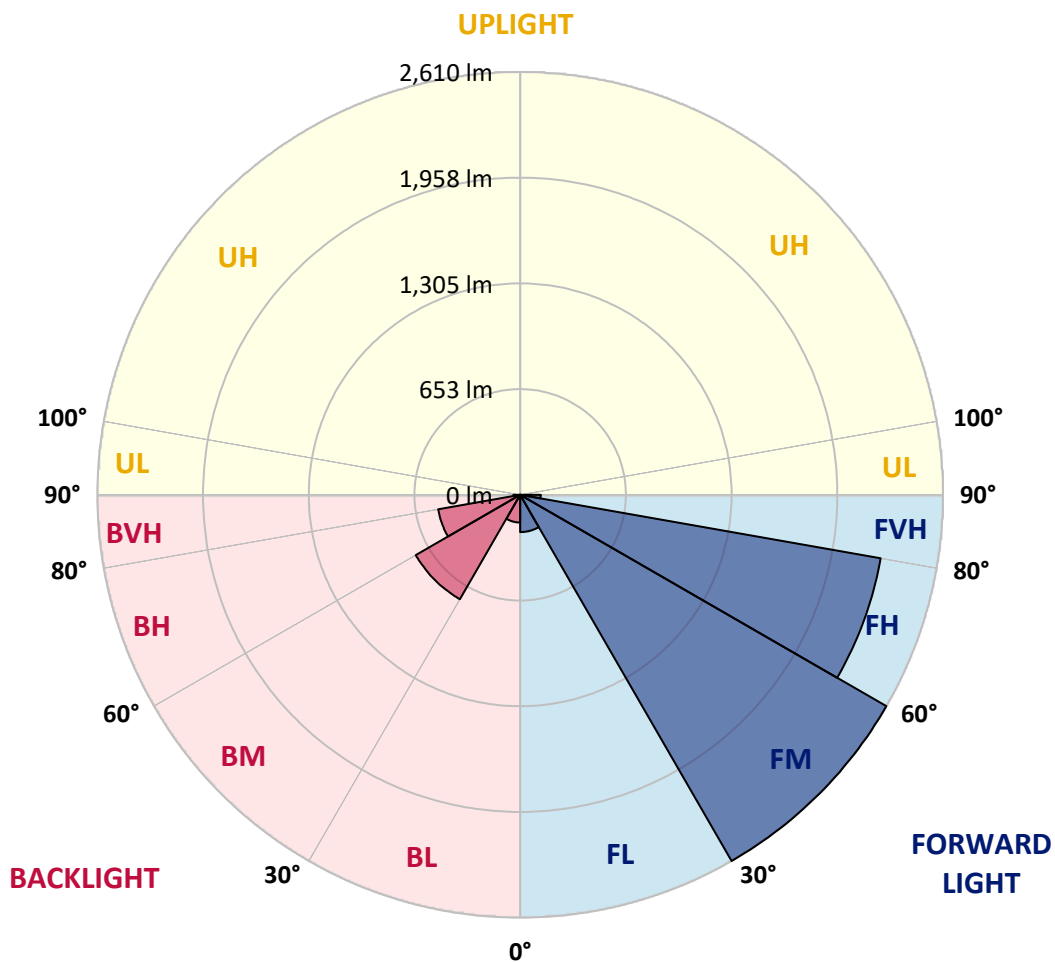
CATALOG NUMBER: UTLD-E03-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.2	3.4			
FM (30°-60°)	2610.4	39.0			
FH (60°-80°)	2259.8	33.7			G2/5000
FVH (80°-90°)	127.0	1.9			G2/225
BL (0°-30°)	170.9	2.6	B1/500		
BM (30°-60°)	744.0	11.1	B1/1000		
BH (60°-80°)	514.5	7.7	B2/1000		G2/1000
BVH (80°-90°)	42.2	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°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	196.2	195.0	197.5	197.5	197.5	195.0	174.7	149.4	148.1	144.3	140.5
5°	162.0	162.0	162.0	163.3	164.6	167.1	177.2	189.9	196.2	197.5	198.8
7.5°	236.7	239.3	239.3	239.3	198.8	170.9	169.6	172.2	169.6	167.1	163.3
10°	243.1	244.3	244.3	246.9	248.1	244.3	208.9	236.7	236.7	238.0	239.3
12.5°	333.0	335.5	334.2	322.8	263.3	322.8	338.0	316.5	295.0	272.2	258.3
15°	353.2	358.3	348.1	338.0	402.6	378.5	357.0	411.4	411.4	415.2	426.6
17.5°	455.8	457.0	449.4	436.8	417.8	427.9	436.8	435.5	443.1	449.4	445.6
20°	546.9	535.5	470.9	505.1	498.8	495.0	496.3	540.6	544.4	546.9	558.3
22.5°	577.3	577.3	550.7	578.6	552.0	558.3	608.9	668.4	665.9	655.8	640.6
25°	703.9	706.4	645.7	598.8	611.5	626.7	657.0	748.2	736.8	749.5	755.8
27.5°	760.9	765.9	711.5	698.8	636.8	705.2	812.8	838.1	846.9	862.1	862.1
30°	914.0	916.6	881.1	781.1	759.6	768.5	878.6	915.3	928.0	944.4	1006.5
32.5°	1145.7	1147.0	1062.2	896.3	854.5	887.5	1017.9	1059.6	1083.7	1060.9	1087.5
35°	1515.4	1504.0	1345.7	1211.5	1107.7	1025.4	1154.6	1301.4	1286.2	1290.0	1302.7
37.5°	1761.0	1776.2	1726.8	1573.6	1501.5	1387.5	1464.7	1483.7	1454.6	1477.4	1485.0
40°	1955.9	1977.5	1957.2	1881.3	1811.6	1761.0	1854.7	1788.8	1747.1	1750.9	1721.7
42.5°	2029.4	2053.4	2073.7	2118.0	2100.3	2154.7	2285.1	2190.2	2182.6	2145.8	2075.0
45°	2080.0	2102.8	2168.6	2257.3	2285.1	2428.2	2653.5	2615.5	2643.4	2563.6	2520.6
47.5°	2090.1	2111.7	2186.4	2325.6	2402.8	2610.5	2958.6	2996.6	3018.1	2975.1	2964.9
50°	2001.5	2019.2	2099.0	2264.8	2377.5	2690.2	3161.2	3300.4	3319.4	3330.8	3339.7
52.5°	1863.5	1885.1	1959.7	2100.3	2243.3	2653.5	3271.3	3539.7	3562.5	3611.9	3671.4
55°	1809.1	1826.8	1873.7	1987.6	2096.5	2502.9	3327.0	3742.3	3779.0	3865.1	3967.6
57.5°	1801.5	1819.2	1861.0	1899.0	2019.2	2326.9	3351.1	3971.4	4085.3	4224.6	4390.4
60°	1867.3	1874.9	1893.9	1895.2	1950.9	2192.7	3277.6	4253.7	4481.6	4685.4	4946.2
62.5°	1911.6	1918.0	1947.1	2000.3	1985.1	2058.5	3029.5	4437.3	4776.6	5077.9	5415.9
64°	1847.1	1847.1	1881.3	1947.1	2085.1	2001.5	2777.6	4431.0	4803.2	5126.0	5510.8
65°	1773.6	1772.4	1804.0	1857.2	2068.6	1992.7	2595.3	4324.6	4709.5	5033.6	5450.1
67.5°	1440.7	1391.3	1420.4	1487.5	1744.5	2012.9	2142.0	3638.4	4033.4	4424.6	4904.4
70°	745.7	772.3	787.4	898.9	1206.5	1731.9	1797.7	2571.2	3020.6	3410.6	4072.7
72.5°	315.2	295.0	331.7	410.2	634.3	1226.7	1653.4	1786.3	2020.5	2330.7	3033.3
75°	170.9	172.2	179.8	203.8	330.4	677.3	1524.2	1573.6	1595.1	1645.8	2020.5
77.5°	126.6	126.6	130.4	130.4	172.2	351.9	1215.3	1487.5	1491.3	1458.4	1544.5
80°	94.9	100.0	106.3	101.3	107.6	200.0	711.5	1350.8	1407.8	1419.2	1490.1
82.5°	78.5	81.0	94.9	91.2	84.8	120.3	334.2	1022.9	1182.4	1276.1	1450.8
85°	53.2	57.0	86.1	83.6	77.2	81.0	193.7	331.7	400.1	462.1	588.7
87.5°	21.5	27.9	55.7	50.6	53.2	45.6	119.0	174.7	192.4	219.0	272.2
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°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	138.0	135.5	134.2	131.7	130.4	129.1	130.4	127.9	126.6	127.9	125.3
5°	197.5	197.5	196.2	193.7	192.4	189.9	188.6	178.5	167.1	160.8	150.7
7.5°	164.6	164.6	167.1	173.4	179.8	186.1	189.9	191.2	189.9	191.2	191.2
10°	239.3	243.1	243.1	245.6	245.6	246.9	248.1	250.7	253.2	268.4	279.8
12.5°	257.0	258.3	258.3	259.5	264.6	269.7	269.7	273.5	270.9	269.7	267.1
15°	420.3	414.0	384.9	381.1	379.8	376.0	365.9	362.1	362.1	364.6	363.3
17.5°	449.4	453.2	448.2	441.8	435.5	421.6	397.5	400.1	397.5	400.1	405.1
20°	562.1	550.7	558.3	586.2	605.1	611.5	617.8	621.6	608.9	589.9	587.4
22.5°	634.3	627.9	643.1	648.2	649.5	662.1	664.6	673.5	707.7	701.4	707.7
25°	757.1	822.9	824.2	828.0	834.3	841.9	836.8	848.2	845.7	855.8	855.8
27.5°	881.1	876.1	881.1	886.2	879.9	876.1	888.7	888.7	912.8	898.9	901.4
30°	1000.1	1003.9	1015.3	1025.4	1033.0	1029.2	1030.5	1048.2	1035.6	1045.7	1060.9
32.5°	1083.7	1098.9	1126.7	1134.3	1206.5	1195.1	1226.7	1241.9	1254.6	1274.8	1293.8
35°	1323.0	1334.3	1349.5	1349.5	1341.9	1360.9	1374.9	1385.0	1397.6	1429.3	1419.2
37.5°	1488.8	1490.1	1495.1	1462.2	1483.7	1492.6	1492.6	1514.1	1536.9	1538.2	1515.4
40°	1709.1	1678.7	1666.0	1636.9	1663.5	1626.8	1654.6	1649.6	1666.0	1645.8	1658.4
42.5°	2042.0	1996.5	1925.6	1915.4	1892.6	1872.4	1848.3	1868.6	1833.1	1848.3	1887.6
45°	2464.9	2343.3	2311.7	2278.8	2185.1	2169.9	2158.5	2111.7	2066.1	2115.5	2182.6
47.5°	2906.7	2772.5	2729.5	2667.4	2605.4	2525.6	2478.8	2381.3	2358.5	2420.6	2464.9
50°	3278.9	3176.4	3184.0	3096.6	3019.4	2967.5	2838.3	2740.9	2735.8	2757.3	2735.8
52.5°	3605.5	3584.0	3587.8	3533.4	3481.5	3416.9	3261.2	3202.9	3163.7	3130.8	3043.4
55°	3930.9	4001.8	3995.5	4037.2	4025.8	3979.0	3868.9	3881.5	3866.3	3758.7	3671.4
57.5°	4468.9	4577.8	4646.2	4706.9	4836.1	4822.1	4800.6	4994.3	4986.7	4884.2	4924.7
60°	5172.8	5290.6	5464.0	5619.7	5764.0	5803.3	5926.1	6191.9	6169.2	6180.5	6314.7
62.5°	5704.5	5852.7	6037.5	6219.8	6217.3	6319.8	6566.7	6700.9	6675.5	6857.8	6964.2
64°	5769.1	5926.1	6060.3	6197.0	6178.0	6281.8	6517.3	6581.9	6583.1	6804.7	6876.8
65°	5674.2	5841.3	5938.7	6059.0	6036.2	6150.2	6384.4	6381.8	6418.6	6643.9	6707.2
67.5°	5091.8	5318.4	5398.2	5442.5	5467.8	5638.7	5766.6	5713.4	5871.6	5964.1	6117.2
70°	4294.2	4547.4	4686.7	4705.7	4794.3	4966.5	5060.1	4960.1	5155.1	5093.1	5360.2
72.5°	3386.5	3623.3	3832.1	3854.9	4005.6	4094.2	4085.3	4086.6	4117.0	4019.5	4242.3
75°	2352.2	2533.2	2692.8	2713.0	2792.8	2714.3	2656.0	2540.8	2407.9	2295.2	2281.3
77.5°	1601.5	1661.0	1645.8	1586.3	1521.7	1419.2	1338.1	1315.4	1230.5	1195.1	1121.7
80°	1483.7	1504.0	1474.9	1471.1	1423.0	1309.0	1250.8	1154.6	1141.9	1100.1	1048.2
82.5°	1483.7	1493.9	1498.9	1528.0	1463.5	1376.1	1276.1	1133.1	1083.7	972.3	905.2
85°	703.9	746.9	819.1	882.4	879.9	855.8	745.7	687.4	583.6	500.1	424.1
87.5°	314.0	349.4	389.9	405.1	419.0	405.1	367.1	331.7	272.2	212.7	176.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	125.3	125.3	125.3	125.3	124.1	124.1	124.1	124.1	124.1	122.8	122.8
5°	140.5	138.0	132.9	132.9	130.4	129.1	129.1	127.9	127.9	126.6	126.6
7.5°	189.9	188.6	184.8	169.6	146.9	138.0	130.4	130.4	129.1	130.4	132.9
10°	284.8	284.8	282.3	278.5	277.3	272.2	246.9	225.3	211.4	208.9	206.4
12.5°	270.9	277.3	293.7	302.6	302.6	301.3	298.8	291.2	255.7	234.2	229.1
15°	364.6	367.1	368.4	373.5	388.7	391.2	388.7	391.2	388.7	364.6	331.7
17.5°	410.2	401.3	401.3	405.1	420.3	412.7	427.9	473.5	482.3	444.4	448.2
20°	582.4	582.4	584.9	576.0	582.4	593.7	595.0	600.1	610.2	607.7	592.5
22.5°	691.2	682.4	703.9	714.0	717.8	716.5	715.3	712.8	717.8	725.4	719.1
25°	840.6	848.2	849.5	844.4	833.0	828.0	836.8	845.7	872.3	888.7	877.3
27.5°	929.2	952.0	1010.3	997.6	990.0	998.9	1005.2	1026.7	1017.9	1011.5	1029.2
30°	1082.4	1078.6	1066.0	1077.4	1092.5	1111.5	1106.5	1091.3	1083.7	1101.4	1096.3
32.5°	1287.5	1272.3	1296.4	1330.6	1354.6	1334.3	1320.4	1338.1	1338.1	1319.2	1340.7
35°	1401.4	1429.3	1466.0	1488.8	1472.3	1472.3	1486.3	1477.4	1483.7	1505.3	1517.9
37.5°	1539.4	1585.0	1607.8	1585.0	1590.1	1620.5	1621.7	1634.4	1647.0	1671.1	1706.5
40°	1715.4	1738.2	1721.7	1720.5	1758.5	1768.6	1791.4	1835.7	1854.7	1888.9	1904.0
42.5°	1933.2	1939.5	1942.0	1987.6	1993.9	2005.3	2063.6	2104.1	2153.4	2167.4	2148.4
45°	2202.8	2199.0	2256.0	2287.6	2295.2	2375.0	2397.8	2428.2	2461.1	2432.0	2480.1
47.5°	2448.4	2510.5	2583.9	2586.4	2651.0	2702.9	2723.1	2751.0	2724.4	2754.8	2719.3
50°	2738.3	2849.7	2838.3	2930.8	2981.4	2991.5	3033.3	2992.8	2997.9	2968.7	2958.6
52.5°	3100.4	3147.2	3142.2	3271.3	3280.2	3315.6	3285.2	3261.2	3257.4	3219.4	3191.6
55°	3729.6	3667.6	3733.4	3781.5	3806.8	3820.7	3724.5	3766.3	3670.1	3668.8	3603.0
57.5°	4889.2	4877.8	4919.6	4866.5	4934.8	4827.2	4820.9	4736.1	4676.6	4675.3	4637.3
60°	6285.6	6462.9	6503.4	6452.7	6322.3	6271.7	6189.4	6117.2	6012.2	6021.0	5942.5
62.5°	7073.1	7317.4	7382.0	7414.9	7246.5	7170.5	6981.9	6861.6	6699.6	6647.7	6521.1
64°	7087.0	7331.3	7450.3	7501.0	7416.1	7297.1	7118.6	6937.6	6773.0	6637.6	6522.4
65°	6981.9	7192.1	7354.1	7404.8	7398.4	7241.4	7093.3	6879.4	6727.5	6540.1	6422.3
67.5°	6416.0	6602.1	6813.5	6897.1	6983.2	6928.7	6802.1	6594.5	6412.2	6186.9	6022.3
70°	5540.0	5702.0	5890.6	6012.2	6105.9	6151.4	6042.6	5883.0	5745.0	5480.5	5286.8
72.5°	4327.1	4353.7	4391.7	4396.8	4360.1	4342.3	4244.9	4256.2	4003.0	3842.3	3730.9
75°	2149.6	2061.0	1845.8	1766.1	1583.7	1476.1	1352.1	1302.7	1173.6	1136.9	1038.1
77.5°	984.9	862.1	711.5	592.5	495.0	427.9	364.6	320.3	283.6	269.7	249.4
80°	964.7	867.2	750.7	663.4	560.8	468.4	381.1	298.8	240.5	205.1	182.3
82.5°	821.6	707.7	629.2	577.3	512.7	448.2	367.1	296.2	227.9	176.0	143.1
85°	336.8	274.7	232.9	211.4	188.6	165.8	143.1	122.8	110.1	93.7	84.8
87.5°	144.3	126.6	116.5	115.2	110.1	106.3	102.5	97.5	86.1	79.8	72.2
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
5°	126.6	126.6	125.3	125.3	125.3	125.3	126.6	125.3	125.3	125.3	125.3
7.5°	134.2	134.2	134.2	134.2	134.2	134.2	134.2	135.5	134.2	134.2	135.5
10°	205.1	203.8	198.8	197.5	195.0	195.0	195.0	196.2	201.3	203.8	206.4
12.5°	224.1	226.6	229.1	224.1	226.6	220.3	224.1	226.6	225.3	226.6	224.1
15°	334.2	334.2	333.0	331.7	327.9	324.1	322.8	322.8	320.3	317.8	320.3
17.5°	443.1	443.1	436.8	431.7	431.7	405.1	424.1	417.8	421.6	403.8	452.0
20°	555.8	553.2	557.0	565.9	569.7	563.4	554.5	544.4	541.8	558.3	578.6
22.5°	717.8	712.8	698.8	681.1	678.6	677.3	693.8	693.8	695.0	702.6	715.3
25°	859.6	831.8	820.4	833.0	836.8	819.1	819.1	825.4	859.6	872.3	873.5
27.5°	1033.0	1024.2	1016.6	1001.4	995.1	1020.4	1034.3	1019.1	1014.1	1033.0	1033.0
30°	1103.9	1124.2	1122.9	1138.1	1149.5	1117.9	1101.4	1141.9	1138.1	1109.0	1125.5
32.5°	1363.5	1373.6	1387.5	1406.5	1392.6	1412.8	1391.3	1374.9	1401.4	1396.4	1377.4
35°	1516.7	1544.5	1544.5	1545.8	1583.7	1576.2	1567.3	1562.2	1542.0	1555.9	1564.8
37.5°	1704.0	1686.3	1701.5	1720.5	1728.1	1736.9	1739.5	1745.8	1719.2	1701.5	1676.2
40°	1887.6	1909.1	1890.1	1895.2	1910.4	1907.8	1918.0	1931.9	1893.9	1867.3	1831.9
42.5°	2163.6	2156.0	2150.9	2143.3	2125.6	2143.3	2125.6	2085.1	2093.9	2054.7	2004.1
45°	2453.5	2438.3	2439.6	2415.5	2397.8	2349.7	2335.7	2324.4	2276.2	2247.1	2167.4
47.5°	2721.9	2710.5	2670.0	2678.8	2624.4	2567.4	2532.0	2514.2	2448.4	2369.9	2321.8
50°	2952.3	2921.9	2923.2	2864.9	2825.7	2781.4	2725.7	2657.3	2585.1	2511.7	2407.9
52.5°	3161.2	3158.6	3121.9	3081.4	3023.2	2999.1	2904.2	2806.7	2719.3	2632.0	2515.5
55°	3646.0	3601.7	3524.5	3504.3	3476.4	3330.8	3259.9	3140.9	3005.5	2899.1	2743.4
57.5°	4648.7	4590.5	4499.3	4490.5	4319.5	4203.1	4039.8	3900.5	3715.7	3534.6	3305.5
60°	5845.1	5759.0	5765.3	5633.6	5488.1	5348.8	5145.0	4947.5	4691.7	4381.6	3998.0
62.5°	6407.2	6323.6	6251.4	6102.1	5947.6	5794.4	5626.0	5361.5	5114.6	4752.5	4276.5
64°	6388.2	6285.6	6175.5	6024.8	5885.6	5707.1	5536.2	5295.6	5017.1	4681.6	4179.0
65°	6295.8	6181.8	6040.0	5895.7	5728.6	5562.7	5394.4	5176.6	4869.0	4543.6	4037.2
67.5°	5860.3	5713.4	5561.5	5422.2	5246.2	5081.7	4931.0	4734.8	4415.8	4066.3	3611.9
70°	5143.7	4962.7	4795.6	4705.7	4577.8	4431.0	4248.7	4084.1	3789.1	3442.2	3029.5
72.5°	3532.1	3323.2	3206.7	3244.7	3116.9	3071.3	3028.2	2899.1	2640.8	2391.4	2126.9
75°	1105.2	1021.7	965.9	1034.3	987.5	1063.4	1039.4	1016.6	948.2	919.1	826.7
77.5°	250.7	239.3	234.2	231.7	232.9	231.7	227.9	226.6	222.8	225.3	219.0
80°	173.4	165.8	163.3	159.5	157.0	153.2	149.4	148.1	146.9	144.3	143.1
82.5°	125.3	115.2	113.9	111.4	110.1	107.6	106.3	108.9	107.6	111.4	111.4
85°	81.0	76.0	73.4	74.7	73.4	76.0	77.2	79.8	83.6	87.4	93.7
87.5°	67.1	63.3	63.3	64.6	67.1	69.6	76.0	83.6	89.9	100.0	111.4
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-SL2-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	125.3	126.6	132.9
5°	125.3	126.6	125.3	126.6	126.6	126.6	127.9	127.9	160.8	195.0	136.7
7.5°	134.2	135.5	134.2	132.9	131.7	130.4	136.7	143.1	179.8	127.9	125.3
10°	207.6	208.9	210.2	222.8	241.8	268.4	273.5	273.5	198.8	173.4	195.0
12.5°	224.1	232.9	270.9	284.8	284.8	284.8	282.3	267.1	210.2	274.7	273.5
15°	343.1	370.9	372.2	373.5	372.2	348.1	325.4	319.0	327.9	295.0	281.0
17.5°	439.3	388.7	424.1	354.5	334.2	339.3	344.3	351.9	400.1	373.5	345.6
20°	588.7	589.9	554.5	541.8	533.0	531.7	534.2	539.3	508.9	419.0	386.1
22.5°	702.6	683.6	690.0	698.8	691.2	673.5	665.9	657.0	602.6	553.2	407.6
25°	844.4	840.6	831.8	830.5	849.5	860.9	852.0	839.3	753.3	555.8	435.5
27.5°	1030.5	1038.1	1035.6	1009.0	996.3	1014.1	996.3	958.4	844.4	690.0	449.4
30°	1126.7	1144.5	1153.3	1152.0	1121.7	1121.7	1112.8	1138.1	929.2	672.2	460.8
32.5°	1387.5	1388.8	1385.0	1386.3	1381.2	1338.1	1293.8	1269.8	916.6	687.4	439.3
35°	1530.6	1519.2	1521.7	1496.4	1466.0	1434.4	1387.5	1329.3	981.1	630.5	387.4
37.5°	1685.0	1643.3	1598.9	1577.4	1533.1	1495.1	1459.7	1390.1	949.5	583.6	331.7
40°	1792.6	1780.0	1696.4	1642.0	1611.6	1552.1	1491.3	1447.0	890.0	484.9	281.0
42.5°	1920.5	1866.1	1826.8	1720.5	1652.1	1605.3	1519.2	1438.2	796.3	392.5	244.3
45°	2080.0	1974.9	1890.1	1821.8	1678.7	1590.1	1509.1	1411.6	677.3	320.3	221.5
47.5°	2207.9	2093.9	1948.4	1828.1	1710.3	1535.6	1443.2	1330.6	564.6	276.0	206.4
50°	2316.8	2156.0	1991.4	1805.3	1653.4	1472.3	1324.2	1234.3	465.9	240.5	188.6
52.5°	2382.6	2204.1	2001.5	1778.7	1564.8	1397.6	1234.3	1106.5	391.2	215.2	170.9
55°	2523.1	2325.6	2064.8	1797.7	1540.7	1336.9	1187.5	1030.5	346.9	192.4	157.0
57.5°	2996.6	2661.1	2337.0	1982.5	1669.8	1407.8	1228.0	1058.4	322.8	176.0	145.6
60°	3597.9	3142.2	2680.1	2224.3	1838.2	1523.0	1277.4	1100.1	297.5	165.8	139.3
62.5°	3792.9	3265.0	2734.5	2268.6	1826.8	1488.8	1234.3	1039.4	260.8	158.2	138.0
64°	3661.2	3128.3	2614.3	2140.8	1721.7	1387.5	1141.9	941.9	235.5	155.7	143.1
65°	3510.6	2985.2	2501.6	2039.5	1630.6	1298.9	1057.1	871.0	219.0	154.5	148.1
67.5°	3075.1	2590.2	2125.6	1692.6	1336.9	1050.8	819.1	654.5	183.6	158.2	165.8
70°	2582.6	2091.4	1704.0	1319.2	1015.3	772.3	579.8	448.2	159.5	168.4	179.8
72.5°	1831.9	1424.2	1173.6	886.2	669.7	488.7	369.7	282.3	140.5	163.3	167.1
75°	725.4	607.7	486.1	378.5	308.9	253.2	212.7	173.4	126.6	145.6	131.7
77.5°	203.8	191.2	177.2	159.5	149.4	140.5	131.7	125.3	113.9	122.8	98.7
80°	136.7	131.7	127.9	124.1	121.5	117.7	115.2	113.9	105.1	102.5	73.4
82.5°	110.1	110.1	111.4	111.4	112.7	113.9	113.9	113.9	102.5	91.2	60.8
85°	100.0	106.3	113.9	122.8	129.1	131.7	132.9	130.4	97.5	78.5	48.1
87.5°	124.1	138.0	151.9	164.6	167.1	172.2	164.6	160.8	78.5	63.3	30.4
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-SL2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	122.8	122.8	122.8	122.8	122.8
2.5°	148.1	188.6	197.5	197.5	193.7
5°	126.6	125.3	121.5	121.5	121.5
7.5°	126.6	170.9	192.4	196.2	193.7
10°	193.7	200.0	198.8	195.0	193.7
12.5°	201.3	219.0	258.3	254.5	255.7
15°	329.2	249.4	245.6	238.0	238.0
17.5°	314.0	268.4	281.0	276.0	276.0
20°	346.9	312.7	264.6	263.3	257.0
22.5°	359.5	329.2	287.4	276.0	276.0
25°	369.7	303.8	265.9	282.3	282.3
27.5°	340.6	306.4	258.3	246.9	245.6
30°	348.1	277.3	257.0	243.1	241.8
32.5°	317.8	255.7	231.7	240.5	240.5
35°	283.6	241.8	226.6	229.1	229.1
37.5°	255.7	226.6	227.9	231.7	231.7
40°	230.4	219.0	230.4	235.5	234.2
42.5°	214.0	210.2	215.2	220.3	219.0
45°	198.8	196.2	201.3	203.8	202.6
47.5°	186.1	186.1	187.4	188.6	188.6
50°	173.4	176.0	176.0	176.0	174.7
52.5°	162.0	162.0	164.6	163.3	163.3
55°	150.7	151.9	155.7	153.2	151.9
57.5°	140.5	145.6	145.6	143.1	141.8
60°	135.5	140.5	138.0	132.9	131.7
62.5°	138.0	136.7	131.7	125.3	124.1
64°	141.8	136.7	129.1	121.5	121.5
65°	145.6	136.7	127.9	119.0	119.0
67.5°	160.8	144.3	135.5	117.7	115.2
70°	169.6	155.7	145.6	117.7	112.7
72.5°	154.5	146.9	145.6	115.2	108.9
75°	119.0	124.1	130.4	107.6	102.5
77.5°	91.2	105.1	121.5	93.7	86.1
80°	73.4	100.0	126.6	78.5	65.8
82.5°	63.3	120.3	130.4	64.6	54.4
85°	51.9	135.5	127.9	55.7	39.2
87.5°	38.0	64.6	86.1	50.6	31.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)