

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: P157051

Luminaire Tested: **UTLD-E03-LED-E-U-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157051
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-SL2-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8144.5 lumens
Efficiency: N/A
Efficacy: 108.3 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

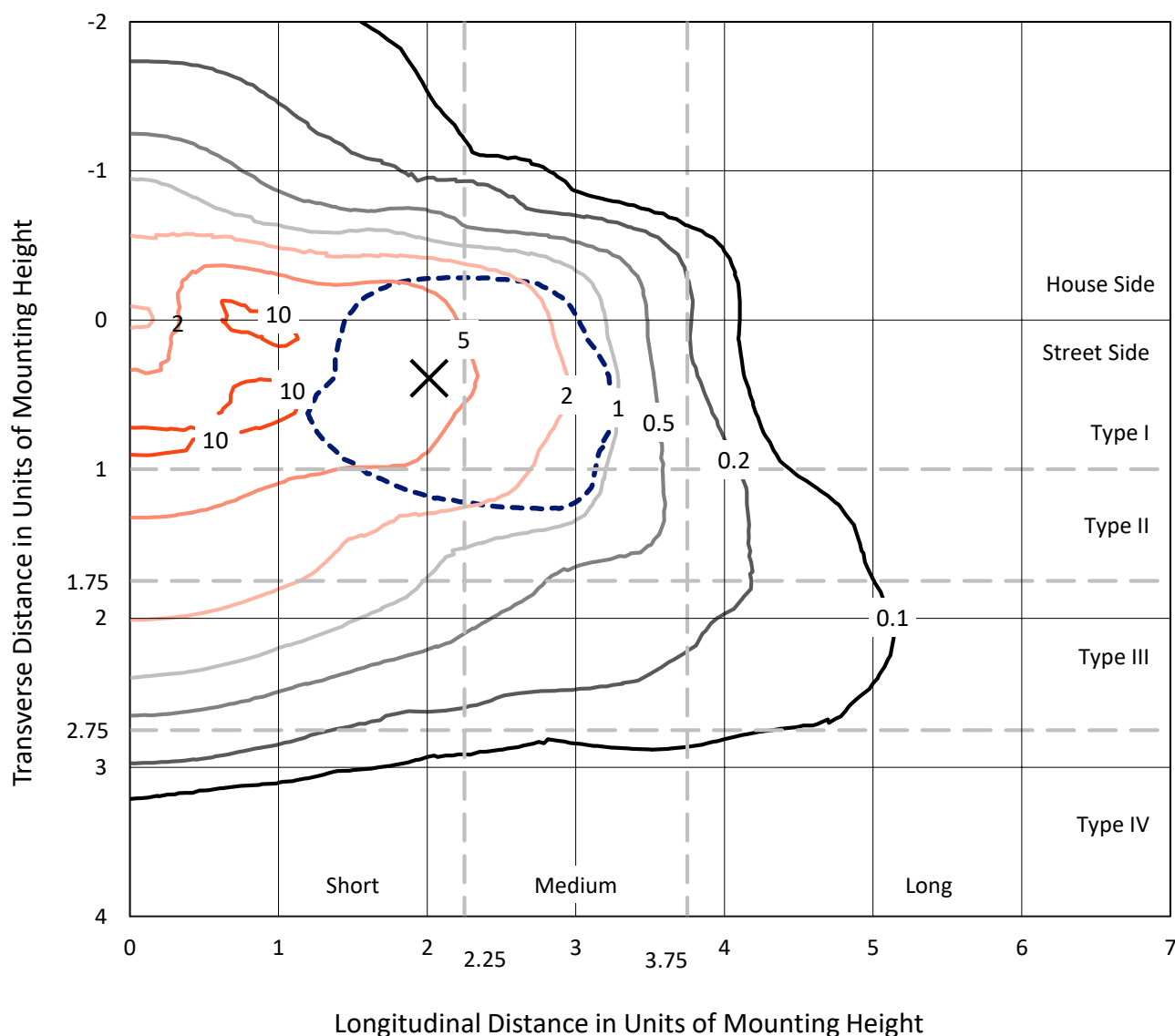


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

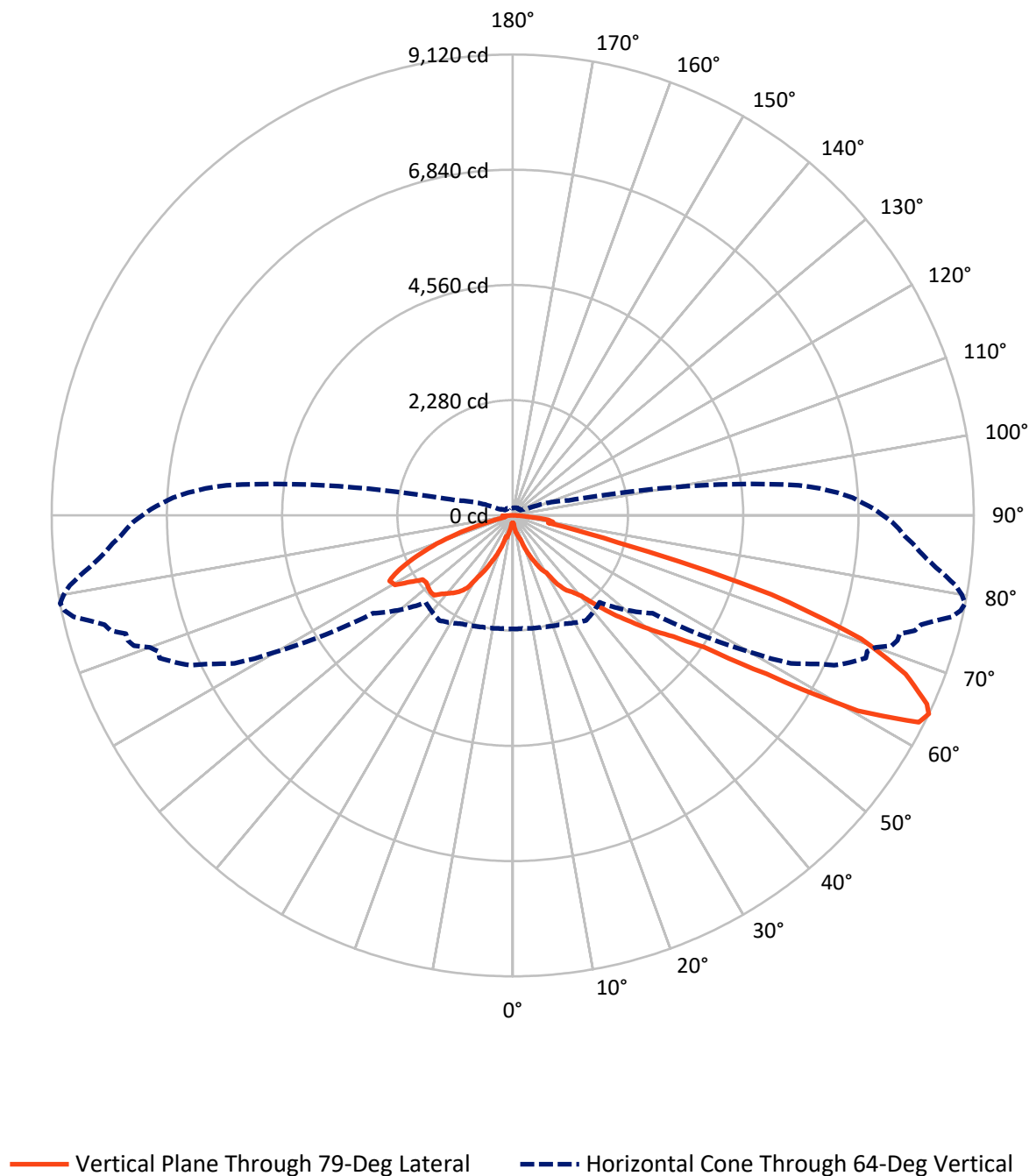


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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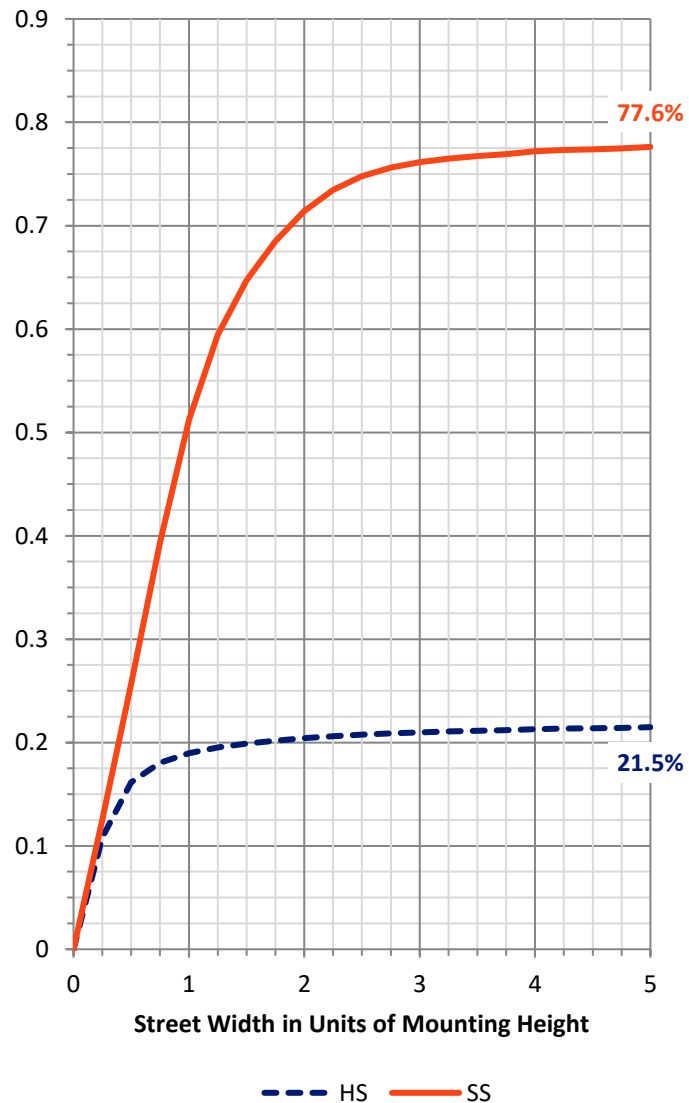
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1789.2	0.0	1789.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6355.4	0.0	6355.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	8144.5	0.0	8144.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.3
10°-20°	119.0	1.5
20°-30°	348.3	4.3
30°-40°	761.0	9.3
40°-50°	1384.2	17.0
50°-60°	1933.0	23.7
60°-70°	2430.6	29.8
70°-80°	942.4	11.6
80°-90°	205.7	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°	8144.5	100.0
0°-180°	8144.5	100.0

Coefficient of Utilization



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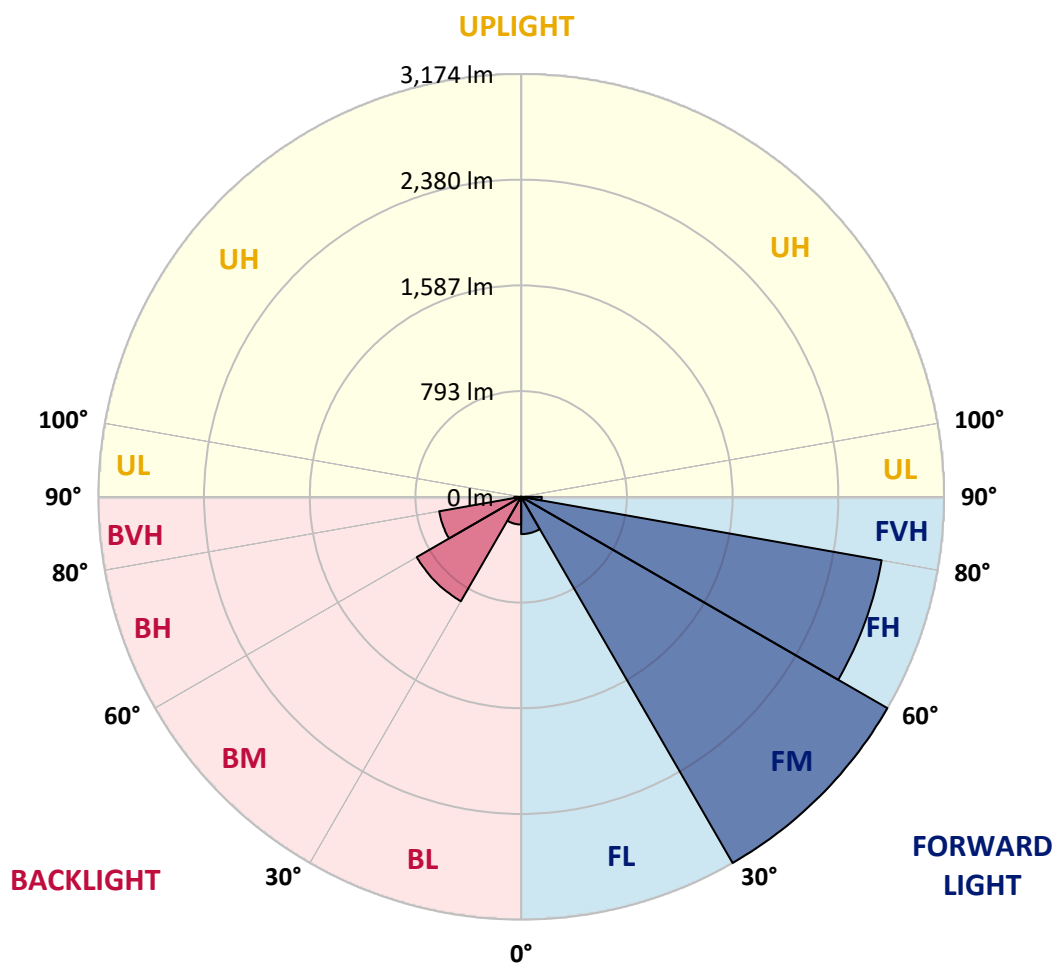
CATALOG NUMBER: UTLD-E03-LED-E-U-SL2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.8	3.4			
FM	(30°-60°)	3173.7	39.0			
FH	(60°-80°)	2747.4	33.7			G2/5000
FVH	(80°-90°)	154.4	1.9			G2/225
BL	(0°-30°)	207.8	2.6	B1/500		
BM	(30°-60°)	904.6	11.1	B1/1000		
BH	(60°-80°)	625.5	7.7	B2/1000		G2/1000
BVH	(80°-90°)	51.3	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°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	238.6	237.0	240.1	240.1	240.1	237.0	212.4	181.6	180.1	175.5	170.8
5°	197.0	197.0	197.0	198.6	200.1	203.2	215.5	230.9	238.6	240.1	241.6
7.5°	287.8	290.9	290.9	290.9	241.6	207.8	206.2	209.3	206.2	203.2	198.6
10°	295.5	297.1	297.1	300.1	301.7	297.1	254.0	287.8	287.8	289.4	290.9
12.5°	404.8	407.9	406.3	392.5	320.1	392.5	411.0	384.8	358.6	330.9	314.0
15°	429.4	435.6	423.3	411.0	489.5	460.2	434.0	500.2	500.2	504.8	518.7
17.5°	554.1	555.6	546.4	531.0	507.9	520.2	531.0	529.5	538.7	546.4	541.8
20°	664.9	651.1	572.6	614.1	606.4	601.8	603.4	657.2	661.8	664.9	678.8
22.5°	701.9	701.9	669.5	703.4	671.1	678.8	740.3	812.7	809.6	797.3	778.8
25°	855.8	858.9	785.0	728.0	743.4	761.9	798.8	909.6	895.8	911.2	918.9
27.5°	925.0	931.2	865.0	849.6	774.2	857.3	988.1	1018.9	1029.7	1048.2	1048.2
30°	1111.3	1114.4	1071.3	949.7	923.5	934.3	1068.2	1112.8	1128.2	1148.2	1223.6
32.5°	1392.9	1394.5	1291.4	1089.7	1038.9	1078.9	1237.5	1288.3	1317.5	1289.8	1322.1
35°	1842.4	1828.5	1636.1	1473.0	1346.8	1246.7	1403.7	1582.3	1563.8	1568.4	1583.8
37.5°	2141.0	2159.4	2099.4	1913.2	1825.4	1686.9	1780.8	1803.9	1768.5	1796.2	1805.4
40°	2378.0	2404.2	2379.5	2287.2	2202.5	2141.0	2254.9	2174.8	2124.0	2128.7	2093.3
42.5°	2467.3	2496.5	2521.1	2575.0	2553.5	2619.6	2778.2	2662.7	2653.5	2608.9	2522.7
45°	2528.8	2556.5	2636.6	2744.3	2778.2	2952.1	3226.1	3179.9	3213.8	3116.8	3064.5
47.5°	2541.2	2567.3	2658.1	2827.4	2921.3	3173.7	3597.0	3643.2	3669.4	3617.0	3604.7
50°	2433.4	2455.0	2551.9	2753.6	2890.5	3270.7	3843.3	4012.6	4035.7	4049.5	4060.3
52.5°	2265.6	2291.8	2382.6	2553.5	2727.4	3226.1	3977.2	4303.5	4331.2	4391.2	4463.6
55°	2199.5	2221.0	2278.0	2416.5	2548.8	3042.9	4044.9	4549.8	4594.4	4699.0	4823.7
57.5°	2190.2	2211.8	2262.6	2308.7	2455.0	2829.0	4074.2	4828.3	4966.9	5136.2	5337.8
60°	2270.3	2279.5	2302.6	2304.1	2371.8	2665.8	3984.9	5171.6	5448.6	5696.4	6013.5
62.5°	2324.1	2331.8	2367.2	2431.9	2413.4	2502.7	3683.2	5394.7	5807.2	6173.6	6584.5
64°	2245.6	2245.6	2287.2	2367.2	2535.0	2433.4	3376.9	5387.1	5839.6	6232.1	6700.0
65°	2156.4	2154.8	2193.3	2257.9	2515.0	2422.6	3155.3	5257.8	5725.7	6119.7	6626.1
67.5°	1751.6	1691.5	1726.9	1808.5	2121.0	2447.3	2604.3	4423.5	4903.8	5379.4	5962.7
70°	906.6	938.9	957.4	1092.8	1466.8	2105.6	2185.6	3126.0	3672.4	4146.5	4951.5
72.5°	383.3	358.6	403.3	498.7	771.1	1491.4	2010.1	2171.8	2456.5	2833.6	3687.8
75°	207.8	209.3	218.6	247.8	401.7	823.4	1853.1	1913.2	1939.3	2000.9	2456.5
77.5°	153.9	153.9	158.5	158.5	209.3	427.9	1477.6	1808.5	1813.1	1773.1	1877.8
80°	115.4	121.6	129.3	123.1	130.8	243.2	865.0	1642.3	1711.5	1725.4	1811.6
82.5°	95.4	98.5	115.4	110.8	103.1	146.2	406.3	1243.6	1437.6	1551.5	1763.9
85°	64.6	69.3	104.7	101.6	93.9	98.5	235.5	403.3	486.4	561.8	715.7
87.5°	26.2	33.9	67.7	61.6	64.6	55.4	144.7	212.4	234.0	266.3	330.9
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	167.8	164.7	163.2	160.1	158.5	157.0	158.5	155.5	153.9	155.5	152.4
5°	240.1	240.1	238.6	235.5	234.0	230.9	229.3	217.0	203.2	195.5	183.2
7.5°	200.1	200.1	203.2	210.9	218.6	226.3	230.9	232.4	230.9	232.4	232.4
10°	290.9	295.5	295.5	298.6	298.6	300.1	301.7	304.8	307.8	326.3	340.2
12.5°	312.4	314.0	314.0	315.5	321.7	327.8	327.8	332.5	329.4	327.8	324.8
15°	511.0	503.3	467.9	463.3	461.7	457.1	444.8	440.2	440.2	443.3	441.7
17.5°	546.4	551.0	544.9	537.2	529.5	512.5	483.3	486.4	483.3	486.4	492.5
20°	683.4	669.5	678.8	712.6	735.7	743.4	751.1	755.7	740.3	717.2	714.2
22.5°	771.1	763.4	781.9	788.0	789.6	805.0	808.1	818.8	860.4	852.7	860.4
25°	920.4	1000.5	1002.0	1006.6	1014.3	1023.5	1017.4	1031.2	1028.2	1040.5	1040.5
27.5°	1071.3	1065.1	1071.3	1077.4	1069.7	1065.1	1080.5	1080.5	1109.7	1092.8	1095.9
30°	1215.9	1220.6	1234.4	1246.7	1256.0	1251.3	1252.9	1274.4	1259.0	1271.3	1289.8
32.5°	1317.5	1336.0	1369.9	1379.1	1466.8	1453.0	1491.4	1509.9	1525.3	1549.9	1573.0
35°	1608.4	1622.3	1640.7	1640.7	1631.5	1654.6	1671.5	1683.8	1699.2	1737.7	1725.4
37.5°	1810.0	1811.6	1817.7	1777.7	1803.9	1814.7	1814.7	1840.8	1868.5	1870.1	1842.4
40°	2077.9	2040.9	2025.5	1990.1	2022.5	1977.8	2011.7	2005.5	2025.5	2000.9	2016.3
42.5°	2482.7	2427.3	2341.1	2328.7	2301.0	2276.4	2247.2	2271.8	2228.7	2247.2	2294.9
45°	2996.7	2849.0	2810.5	2770.5	2656.6	2638.1	2624.3	2567.3	2511.9	2571.9	2653.5
47.5°	3533.9	3370.8	3318.4	3243.0	3167.6	3070.6	3013.7	2895.2	2867.5	2942.9	2996.7
50°	3986.4	3861.7	3871.0	3764.8	3670.9	3607.8	3450.8	3332.3	3326.1	3352.3	3326.1
52.5°	4383.5	4357.4	4362.0	4295.8	4232.7	4154.2	3964.9	3894.1	3846.4	3806.3	3700.1
55°	4779.1	4865.3	4857.6	4908.4	4894.5	4837.6	4703.7	4719.1	4700.6	4569.8	4463.6
57.5°	5433.2	5565.6	5648.7	5722.6	5879.6	5862.7	5836.5	6072.0	6062.7	5938.1	5987.3
60°	6289.0	6432.1	6643.0	6832.3	7007.8	7055.5	7204.8	7528.0	7500.3	7514.2	7677.3
62.5°	6935.4	7115.5	7340.2	7561.9	7558.8	7683.5	7983.6	8146.8	8116.0	8337.6	8466.9
64°	7013.9	7204.8	7368.0	7534.2	7511.1	7637.3	7923.6	8002.1	8003.6	8273.0	8360.7
65°	6898.5	7101.7	7220.2	7366.4	7338.7	7477.2	7762.0	7758.9	7803.5	8077.5	8154.5
67.5°	6190.5	6466.0	6563.0	6616.8	6647.6	6855.4	7010.9	6946.2	7138.6	7251.0	7437.2
70°	5220.8	5528.7	5698.0	5721.1	5828.8	6038.1	6152.0	6030.4	6267.5	6192.0	6516.8
72.5°	4117.2	4405.1	4659.0	4686.7	4869.9	4977.6	4966.9	4968.4	5005.3	4886.8	5157.7
75°	2859.8	3079.9	3273.8	3298.4	3395.4	3300.0	3229.2	3089.1	2927.5	2790.5	2773.6
77.5°	1947.0	2019.4	2000.9	1928.6	1850.1	1725.4	1626.9	1599.2	1496.1	1453.0	1363.7
80°	1803.9	1828.5	1793.1	1788.5	1730.0	1591.5	1520.7	1403.7	1388.3	1337.5	1274.4
82.5°	1803.9	1816.2	1822.4	1857.8	1779.3	1673.1	1551.5	1377.5	1317.5	1182.1	1100.5
85°	855.8	908.1	995.8	1072.8	1069.7	1040.5	906.6	835.8	709.6	608.0	515.6
87.5°	381.7	424.8	474.1	492.5	509.5	492.5	446.4	403.3	330.9	258.6	213.9
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°	81°	82°	83°	84°	85°	86°
0°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	152.4	152.4	152.4	152.4	150.8	150.8	150.8	150.8	150.8	149.3	149.3
5°	170.8	167.8	161.6	161.6	158.5	157.0	157.0	155.5	155.5	153.9	153.9
7.5°	230.9	229.3	224.7	206.2	178.5	167.8	158.5	158.5	157.0	158.5	161.6
10°	346.3	346.3	343.2	338.6	337.1	330.9	300.1	274.0	257.0	254.0	250.9
12.5°	329.4	337.1	357.1	367.9	367.9	366.3	363.2	354.0	310.9	284.7	278.6
15°	443.3	446.4	447.9	454.1	472.5	475.6	472.5	475.6	472.5	443.3	403.3
17.5°	498.7	487.9	487.9	492.5	511.0	501.8	520.2	575.6	586.4	540.2	544.9
20°	708.0	708.0	711.1	700.3	708.0	721.9	723.4	729.6	741.9	738.8	720.3
22.5°	840.4	829.6	855.8	868.1	872.7	871.2	869.6	866.5	872.7	881.9	874.2
25°	1022.0	1031.2	1032.8	1026.6	1012.8	1006.6	1017.4	1028.2	1060.5	1080.5	1066.6
27.5°	1129.7	1157.4	1228.2	1212.9	1203.6	1214.4	1222.1	1248.3	1237.5	1229.8	1251.3
30°	1316.0	1311.4	1296.0	1309.8	1328.3	1351.4	1345.2	1326.8	1317.5	1339.1	1332.9
32.5°	1565.3	1546.9	1576.1	1617.7	1646.9	1622.3	1605.3	1626.9	1626.9	1603.8	1630.0
35°	1703.8	1737.7	1782.3	1810.0	1790.0	1790.0	1807.0	1796.2	1803.9	1830.1	1845.5
37.5°	1871.6	1927.0	1954.7	1927.0	1933.2	1970.1	1971.7	1987.1	2002.4	2031.7	2074.8
40°	2085.6	2113.3	2093.3	2091.7	2137.9	2150.2	2177.9	2231.8	2254.9	2296.4	2314.9
42.5°	2350.3	2358.0	2361.1	2416.5	2424.2	2438.0	2508.8	2558.1	2618.1	2635.0	2612.0
45°	2678.1	2673.5	2742.8	2781.3	2790.5	2887.5	2915.2	2952.1	2992.1	2956.7	3015.2
47.5°	2976.7	3052.2	3141.4	3144.5	3223.0	3286.1	3310.7	3344.6	3312.3	3349.2	3306.1
50°	3329.2	3464.6	3450.8	3563.2	3624.7	3637.0	3687.8	3638.6	3644.7	3609.3	3597.0
52.5°	3769.4	3826.3	3820.2	3977.2	3988.0	4031.1	3994.1	3964.9	3960.3	3914.1	3880.2
55°	4534.4	4458.9	4539.0	4597.5	4628.2	4645.2	4528.2	4579.0	4462.0	4460.5	4380.4
57.5°	5944.2	5930.4	5981.2	5916.5	5999.6	5868.8	5861.1	5758.0	5685.7	5684.1	5637.9
60°	7641.9	7857.4	7906.7	7845.1	7686.6	7625.0	7524.9	7437.2	7309.5	7320.2	7224.8
62.5°	8599.3	8896.3	8974.8	9014.8	8810.1	8717.8	8488.5	8342.2	8145.2	8082.1	7928.2
64°	8616.2	8913.3	9057.9	9119.5	9016.4	8871.7	8654.7	8434.6	8234.5	8069.8	7929.7
65°	8488.5	8744.0	8941.0	9002.5	8994.8	8804.0	8623.9	8363.8	8179.1	7951.3	7808.1
67.5°	7800.5	8026.7	8283.7	8385.3	8490.0	8423.8	8269.9	8017.5	7795.8	7521.9	7321.8
70°	6735.4	6932.4	7161.7	7309.5	7423.4	7478.8	7346.4	7152.5	6984.7	6663.0	6427.5
72.5°	5260.8	5293.2	5339.3	5345.5	5300.9	5279.3	5160.8	5174.6	4866.8	4671.3	4535.9
75°	2613.5	2505.7	2244.1	2147.1	1925.5	1794.7	1643.8	1583.8	1426.8	1382.2	1262.1
77.5°	1197.5	1048.2	865.0	720.3	601.8	520.2	443.3	389.4	344.8	327.8	303.2
80°	1172.8	1054.3	912.7	806.5	681.8	569.5	463.3	363.2	292.4	249.3	221.6
82.5°	998.9	860.4	765.0	701.9	623.4	544.9	446.4	360.2	277.0	213.9	173.9
85°	409.4	334.0	283.2	257.0	229.3	201.6	173.9	149.3	133.9	113.9	103.1
87.5°	175.5	153.9	141.6	140.1	133.9	129.3	124.7	118.5	104.7	97.0	87.7
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°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
5°	153.9	153.9	152.4	152.4	152.4	152.4	153.9	152.4	152.4	152.4	152.4
7.5°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	164.7	163.2	163.2	164.7
10°	249.3	247.8	241.6	240.1	237.0	237.0	237.0	238.6	244.7	247.8	250.9
12.5°	272.4	275.5	278.6	272.4	275.5	267.8	272.4	275.5	274.0	275.5	272.4
15°	406.3	406.3	404.8	403.3	398.6	394.0	392.5	392.5	389.4	386.3	389.4
17.5°	538.7	538.7	531.0	524.9	524.9	492.5	515.6	507.9	512.5	491.0	549.5
20°	675.7	672.6	677.2	688.0	692.6	684.9	674.2	661.8	658.8	678.8	703.4
22.5°	872.7	866.5	849.6	828.1	825.0	823.4	843.5	843.5	845.0	854.2	869.6
25°	1045.1	1011.2	997.4	1012.8	1017.4	995.8	995.8	1003.5	1045.1	1060.5	1062.0
27.5°	1256.0	1245.2	1235.9	1217.5	1209.8	1240.6	1257.5	1239.0	1232.9	1256.0	1256.0
30°	1342.1	1366.8	1365.2	1383.7	1397.6	1359.1	1339.1	1388.3	1383.7	1348.3	1368.3
32.5°	1657.7	1670.0	1686.9	1710.0	1693.1	1717.7	1691.5	1671.5	1703.8	1697.7	1674.6
35°	1843.9	1877.8	1877.8	1879.3	1925.5	1916.3	1905.5	1899.3	1874.7	1891.6	1902.4
37.5°	2071.7	2050.2	2068.6	2091.7	2101.0	2111.7	2114.8	2122.5	2090.2	2068.6	2037.8
40°	2294.9	2321.1	2298.0	2304.1	2322.6	2319.5	2331.8	2348.8	2302.6	2270.3	2227.2
42.5°	2630.4	2621.2	2615.0	2605.8	2584.2	2605.8	2584.2	2535.0	2545.8	2498.1	2436.5
45°	2982.9	2964.4	2966.0	2936.7	2915.2	2856.7	2839.7	2825.9	2767.4	2732.0	2635.0
47.5°	3309.2	3295.3	3246.1	3256.9	3190.7	3121.4	3078.3	3056.8	2976.7	2881.3	2822.8
50°	3589.3	3552.4	3553.9	3483.1	3435.4	3381.5	3313.8	3230.7	3143.0	3053.7	2927.5
52.5°	3843.3	3840.2	3795.6	3746.3	3675.5	3646.3	3530.8	3412.3	3306.1	3199.9	3058.3
55°	4432.8	4378.9	4285.0	4260.4	4226.5	4049.5	3963.3	3818.7	3654.0	3524.7	3335.4
57.5°	5651.8	5581.0	5470.2	5459.4	5251.6	5110.0	4911.5	4742.1	4517.4	4297.3	4018.7
60°	7106.3	7001.6	7009.3	6849.3	6672.3	6502.9	6255.1	6015.0	5704.1	5327.0	4860.7
62.5°	7789.7	7688.1	7600.4	7418.7	7231.0	7044.7	6840.0	6518.3	6218.2	5778.0	5199.3
64°	7766.6	7641.9	7508.0	7324.9	7155.5	6938.5	6730.7	6438.3	6099.7	5691.8	5080.8
65°	7654.2	7515.7	7343.3	7167.9	6964.7	6763.1	6558.4	6293.6	5919.6	5524.0	4908.4
67.5°	7124.8	6946.2	6761.5	6592.2	6378.3	6178.2	5995.0	5756.5	5368.6	4943.8	4391.2
70°	6253.6	6033.5	5830.3	5721.1	5565.6	5387.1	5165.4	4965.3	4606.7	4185.0	3683.2
72.5°	4294.3	4040.3	3898.7	3944.9	3789.4	3734.0	3681.7	3524.7	3210.7	2907.5	2585.8
75°	1343.7	1242.1	1174.4	1257.5	1200.5	1292.9	1263.6	1235.9	1152.8	1117.4	1005.1
77.5°	304.8	290.9	284.7	281.7	283.2	281.7	277.0	275.5	270.9	274.0	266.3
80°	210.9	201.6	198.6	193.9	190.9	186.2	181.6	180.1	178.5	175.5	173.9
82.5°	152.4	140.1	138.5	135.4	133.9	130.8	129.3	132.4	130.8	135.4	135.4
85°	98.5	92.3	89.3	90.8	89.3	92.3	93.9	97.0	101.6	106.2	113.9
87.5°	81.6	77.0	77.0	78.5	81.6	84.7	92.3	101.6	109.3	121.6	135.4
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-SL2-7050

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3
2.5°	149.3	149.3	149.3	149.3	149.3	149.3	149.3	149.3	152.4	153.9	161.6
5°	152.4	153.9	152.4	153.9	153.9	153.9	155.5	155.5	195.5	237.0	166.2
7.5°	163.2	164.7	163.2	161.6	160.1	158.5	166.2	173.9	218.6	155.5	152.4
10°	252.4	254.0	255.5	270.9	294.0	326.3	332.5	332.5	241.6	210.9	237.0
12.5°	272.4	283.2	329.4	346.3	346.3	346.3	343.2	324.8	255.5	334.0	332.5
15°	417.1	451.0	452.5	454.1	452.5	423.3	395.6	387.9	398.6	358.6	341.7
17.5°	534.1	472.5	515.6	431.0	406.3	412.5	418.7	427.9	486.4	454.1	420.2
20°	715.7	717.2	674.2	658.8	648.0	646.4	649.5	655.7	618.7	509.5	469.4
22.5°	854.2	831.1	838.8	849.6	840.4	818.8	809.6	798.8	732.6	672.6	495.6
25°	1026.6	1022.0	1011.2	1009.7	1032.8	1046.6	1035.9	1020.5	915.8	675.7	529.5
27.5°	1252.9	1262.1	1259.0	1226.7	1211.3	1232.9	1211.3	1165.1	1026.6	838.8	546.4
30°	1369.9	1391.4	1402.2	1400.6	1363.7	1363.7	1352.9	1383.7	1129.7	817.3	560.3
32.5°	1686.9	1688.5	1683.8	1685.4	1679.2	1626.9	1573.0	1543.8	1114.4	835.8	534.1
35°	1860.8	1847.0	1850.1	1819.3	1782.3	1743.9	1686.9	1616.1	1192.8	766.5	471.0
37.5°	2048.6	1997.8	1944.0	1917.8	1863.9	1817.7	1774.6	1690.0	1154.4	709.6	403.3
40°	2179.4	2164.1	2062.5	1996.3	1959.3	1887.0	1813.1	1759.3	1082.0	589.5	341.7
42.5°	2334.9	2268.7	2221.0	2091.7	2008.6	1951.7	1847.0	1748.5	968.1	477.1	297.1
45°	2528.8	2401.1	2298.0	2214.8	2040.9	1933.2	1834.7	1716.2	823.4	389.4	269.4
47.5°	2684.3	2545.8	2368.8	2222.5	2079.4	1867.0	1754.6	1617.7	686.5	335.5	250.9
50°	2816.7	2621.2	2421.1	2194.8	2010.1	1790.0	1610.0	1500.7	566.4	292.4	229.3
52.5°	2896.7	2679.7	2433.4	2162.5	1902.4	1699.2	1500.7	1345.2	475.6	261.7	207.8
55°	3067.5	2827.4	2510.4	2185.6	1873.2	1625.4	1443.7	1252.9	421.7	234.0	190.9
57.5°	3643.2	3235.3	2841.3	2410.3	2030.1	1711.5	1493.0	1286.7	392.5	213.9	177.0
60°	4374.3	3820.2	3258.4	2704.3	2234.9	1851.6	1553.0	1337.5	361.7	201.6	169.3
62.5°	4611.3	3969.5	3324.6	2758.2	2221.0	1810.0	1500.7	1263.6	317.1	192.4	167.8
64°	4451.2	3803.3	3178.4	2602.7	2093.3	1686.9	1388.3	1145.1	286.3	189.3	173.9
65°	4268.1	3629.3	3041.4	2479.6	1982.4	1579.2	1285.2	1058.9	266.3	187.8	180.1
67.5°	3738.6	3149.1	2584.2	2057.9	1625.4	1277.5	995.8	795.7	223.2	192.4	201.6
70°	3139.9	2542.7	2071.7	1603.8	1234.4	938.9	704.9	544.9	193.9	204.7	218.6
72.5°	2227.2	1731.6	1426.8	1077.4	814.2	594.1	449.4	343.2	170.8	198.6	203.2
75°	881.9	738.8	591.0	460.2	375.6	307.8	258.6	210.9	153.9	177.0	160.1
77.5°	247.8	232.4	215.5	193.9	181.6	170.8	160.1	152.4	138.5	149.3	120.1
80°	166.2	160.1	155.5	150.8	147.8	143.1	140.1	138.5	127.8	124.7	89.3
82.5°	133.9	133.9	135.4	135.4	137.0	138.5	138.5	138.5	124.7	110.8	73.9
85°	121.6	129.3	138.5	149.3	157.0	160.1	161.6	158.5	118.5	95.4	58.5
87.5°	150.8	167.8	184.7	200.1	203.2	209.3	200.1	195.5	95.4	77.0	36.9
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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CATALOG NUMBER: UTLD-E03-LED-E-U-SL2-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	149.3	149.3	149.3	149.3	149.3
2.5°	180.1	229.3	240.1	240.1	235.5
5°	153.9	152.4	147.8	147.8	147.8
7.5°	153.9	207.8	234.0	238.6	235.5
10°	235.5	243.2	241.6	237.0	235.5
12.5°	244.7	266.3	314.0	309.4	310.9
15°	400.2	303.2	298.6	289.4	289.4
17.5°	381.7	326.3	341.7	335.5	335.5
20°	421.7	380.2	321.7	320.1	312.4
22.5°	437.1	400.2	349.4	335.5	335.5
25°	449.4	369.4	323.2	343.2	343.2
27.5°	414.0	372.5	314.0	300.1	298.6
30°	423.3	337.1	312.4	295.5	294.0
32.5°	386.3	310.9	281.7	292.4	292.4
35°	344.8	294.0	275.5	278.6	278.6
37.5°	310.9	275.5	277.0	281.7	281.7
40°	280.1	266.3	280.1	286.3	284.7
42.5°	260.1	255.5	261.7	267.8	266.3
45°	241.6	238.6	244.7	247.8	246.3
47.5°	226.3	226.3	227.8	229.3	229.3
50°	210.9	213.9	213.9	213.9	212.4
52.5°	197.0	197.0	200.1	198.6	198.6
55°	183.2	184.7	189.3	186.2	184.7
57.5°	170.8	177.0	177.0	173.9	172.4
60°	164.7	170.8	167.8	161.6	160.1
62.5°	167.8	166.2	160.1	152.4	150.8
64°	172.4	166.2	157.0	147.8	147.8
65°	177.0	166.2	155.5	144.7	144.7
67.5°	195.5	175.5	164.7	143.1	140.1
70°	206.2	189.3	177.0	143.1	137.0
72.5°	187.8	178.5	177.0	140.1	132.4
75°	144.7	150.8	158.5	130.8	124.7
77.5°	110.8	127.8	147.8	113.9	104.7
80°	89.3	121.6	153.9	95.4	80.0
82.5°	77.0	146.2	158.5	78.5	66.2
85°	63.1	164.7	155.5	67.7	47.7
87.5°	46.2	78.5	104.7	61.6	38.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)