

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: P157141

Luminaire Tested: **UTLD-E03-LED-E-U-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157141
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33661)
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-T2-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8243.1 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-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



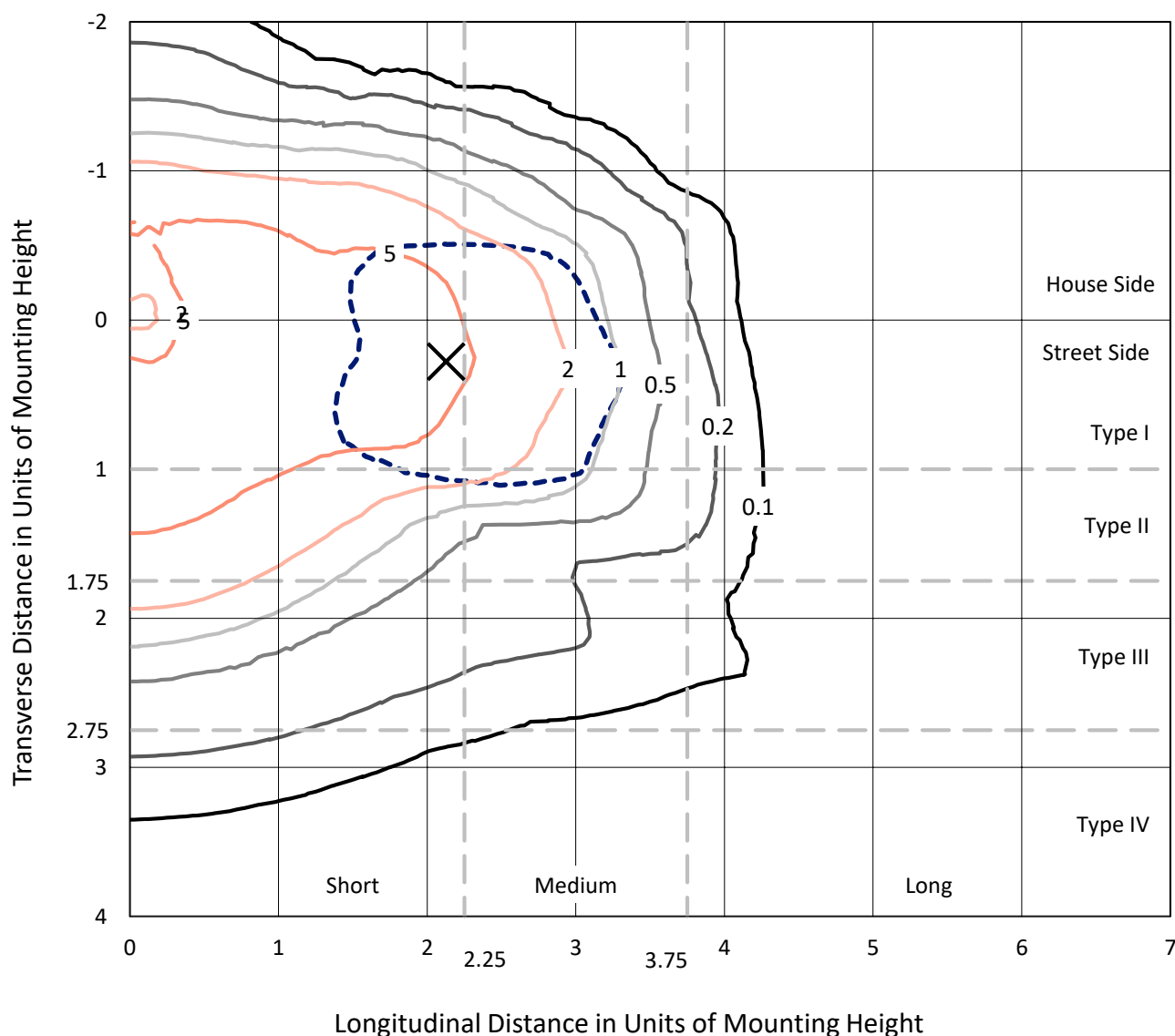
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

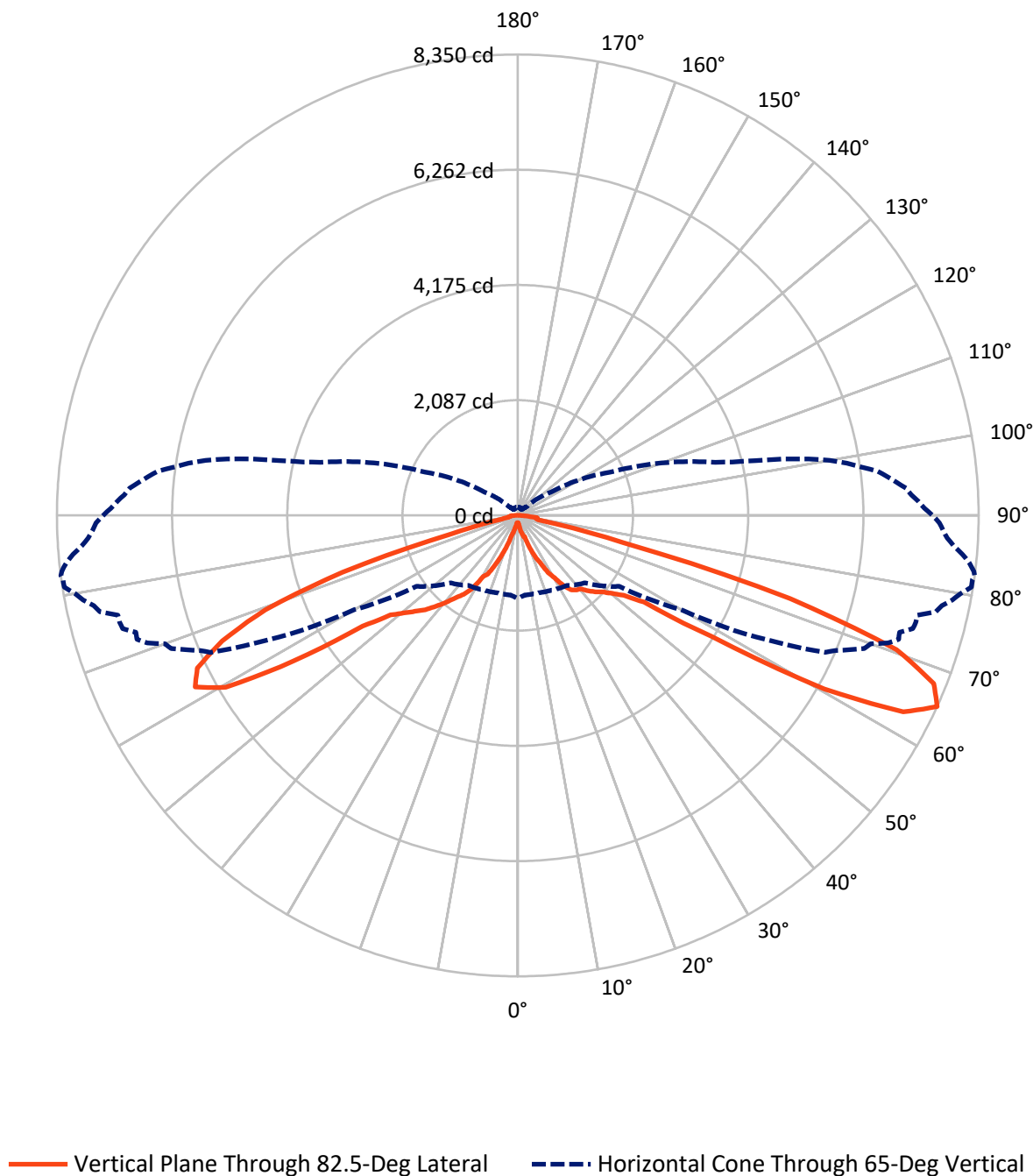


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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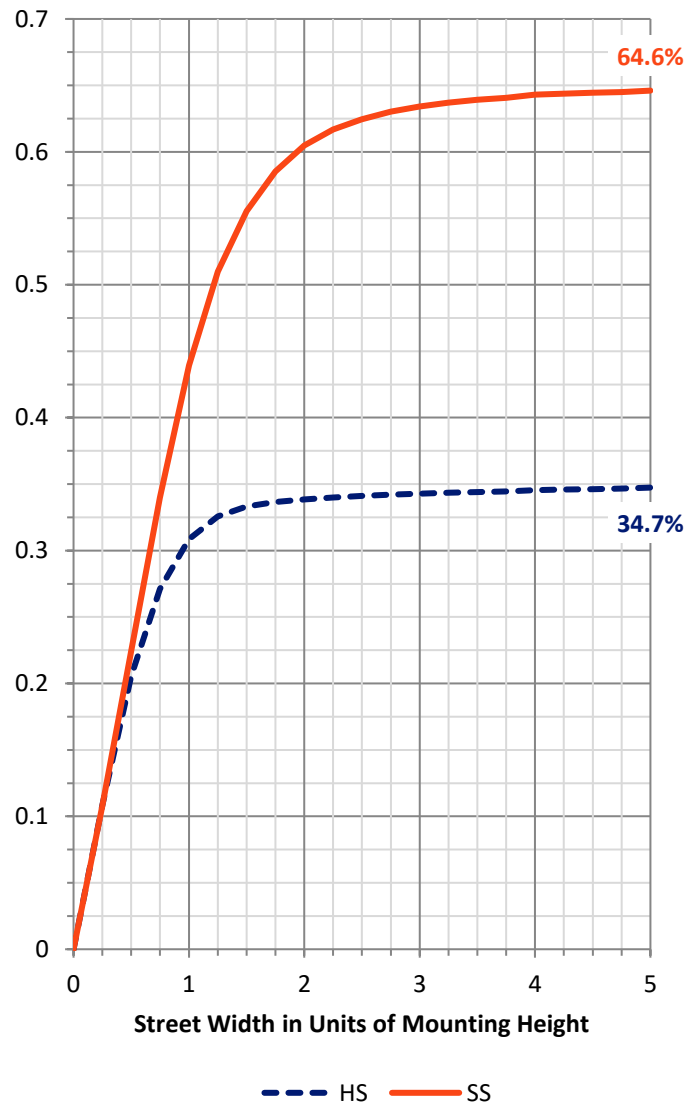
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2904.9	0.0	2904.9
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	5338.2	0.0	5338.2
	% Fixture	64.8	0.0	64.8
Total	Lumens	8243.1	0.0	8243.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.2
10°-20°	121.6	1.5
20°-30°	407.4	4.9
30°-40°	899.0	10.9
40°-50°	1420.9	17.2
50°-60°	2015.8	24.5
60°-70°	2398.3	29.1
70°-80°	811.0	9.8
80°-90°	150.4	1.8
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°	8243.1	100.0
0°-180°	8243.1	100.0

Coefficient of Utilization



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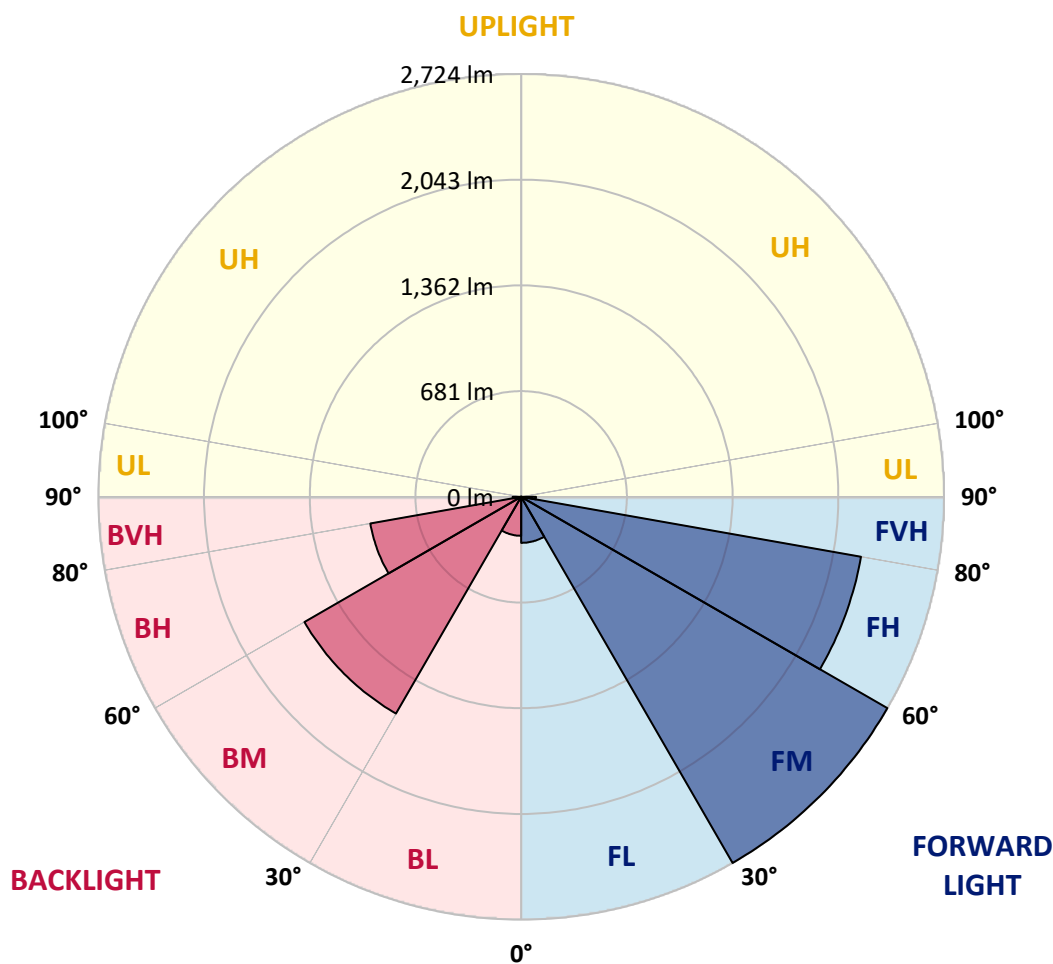
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.6	3.6			
FM	(30°-60°)	2723.6	33.0			
FH	(60°-80°)	2222.6	27.0			G2/5000
FVH	(80°-90°)	95.4	1.2			G1/100
BL	(0°-30°)	251.2	3.0	B1/500		
BM	(30°-60°)	1612.1	19.6	B2/2500		
BH	(60°-80°)	986.6	12.0	B2/1000		G2/1000
BVH	(80°-90°)	55.0	0.7			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°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	187.8	187.8	187.8	197.0	220.1	220.1	218.6	220.1	217.0	213.9	209.3
5°	195.5	200.1	197.0	195.5	192.4	190.9	189.3	187.8	187.8	190.9	198.6
7.5°	298.6	300.1	298.6	301.7	292.4	210.9	197.0	195.5	200.1	201.6	198.6
10°	355.5	332.5	324.8	318.6	310.9	297.1	295.5	287.8	284.7	283.2	275.5
12.5°	454.1	454.1	451.0	431.0	411.0	400.2	409.4	387.9	384.8	375.6	347.8
15°	598.7	597.2	495.6	472.5	531.0	504.8	426.3	451.0	475.6	472.5	474.1
17.5°	640.3	640.3	632.6	608.0	572.6	537.2	577.2	504.8	503.3	504.8	512.5
20°	794.2	794.2	763.4	709.6	677.2	641.8	618.7	675.7	657.2	643.4	632.6
22.5°	800.4	800.4	778.8	820.4	763.4	729.6	791.1	803.4	818.8	820.4	803.4
25°	925.0	926.6	905.0	843.5	852.7	835.8	869.6	952.7	952.7	938.9	978.9
27.5°	1055.9	1057.4	923.5	949.7	918.9	980.4	1071.3	1112.8	1082.0	1092.8	1095.9
30°	1117.4	1119.0	1111.3	1102.0	1065.1	1089.7	1135.9	1174.4	1194.4	1268.3	1245.2
32.5°	1379.1	1380.6	1331.4	1217.5	1239.0	1285.2	1305.2	1314.4	1337.5	1349.8	1349.8
35°	1690.0	1685.4	1596.1	1496.1	1431.4	1422.2	1446.8	1525.3	1565.3	1526.8	1543.8
37.5°	1939.3	1917.8	1817.7	1753.1	1683.8	1665.4	1685.4	1674.6	1677.7	1628.4	1628.4
40°	2111.7	2113.3	2057.9	2002.4	1897.8	1930.1	1874.7	1859.3	1817.7	1808.5	1768.5
42.5°	2293.3	2301.0	2230.2	2161.0	2062.5	2150.2	2101.0	2077.9	1985.5	2011.7	1960.9
45°	2482.7	2488.8	2407.2	2311.8	2225.6	2359.5	2348.8	2310.3	2262.6	2267.2	2213.3
47.5°	2622.7	2635.0	2542.7	2430.3	2371.8	2530.4	2584.2	2581.2	2575.0	2531.9	2510.4
50°	2704.3	2712.0	2610.4	2527.3	2455.0	2658.1	2827.4	2855.1	2904.4	2819.7	2876.7
52.5°	2730.5	2735.1	2633.5	2542.7	2473.4	2728.9	3012.1	3164.5	3199.9	3184.5	3273.8
55°	2658.1	2664.3	2588.9	2507.3	2445.7	2739.7	3159.9	3456.9	3478.5	3523.1	3701.7
57.5°	2539.6	2536.5	2521.1	2434.9	2428.8	2730.5	3283.0	3829.4	3841.7	4058.8	4378.9
60°	2387.2	2393.4	2385.7	2341.1	2368.8	2632.0	3256.9	4038.8	4181.9	4515.9	5022.3
62.5°	2148.7	2159.4	2127.1	2065.6	2087.1	2291.8	2949.0	3941.8	4275.8	4709.8	5325.5
65°	1502.2	1448.3	1451.4	1488.4	1551.5	1726.9	2241.0	3413.9	3940.2	4446.6	5257.8
67.5°	865.0	880.4	878.9	915.8	992.8	1131.3	1433.0	2285.6	2761.2	3349.2	4368.1
70°	664.9	664.9	686.5	735.7	783.4	943.5	1029.7	1237.5	1456.0	1851.6	2796.7
72.5°	500.2	498.7	518.7	564.9	660.3	863.5	1205.2	855.8	885.0	962.0	1513.0
75°	290.9	283.2	290.9	323.2	403.3	644.9	1219.0	952.7	909.6	854.2	951.2
77.5°	150.8	150.8	158.5	166.2	206.2	330.9	878.9	1163.6	1126.7	1032.8	969.7
80°	86.2	89.3	95.4	95.4	100.0	137.0	381.7	1139.0	1257.5	1286.7	1262.1
82.5°	43.1	49.3	67.7	67.7	66.2	69.3	143.1	668.0	909.6	1128.2	1520.7
85°	24.6	26.2	44.6	49.3	47.7	41.6	66.2	298.6	400.2	581.8	869.6
87.5°	9.2	13.9	21.5	24.6	27.7	21.5	38.5	84.7	113.9	157.0	192.4
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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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	209.3	201.6	204.7	197.0	183.2	177.0	175.5	173.9	172.4	163.2	163.2
5°	204.7	206.2	210.9	212.4	212.4	213.9	217.0	215.5	217.0	213.9	212.4
7.5°	195.5	190.9	186.2	183.2	183.2	183.2	183.2	184.7	190.9	200.1	204.7
10°	274.0	274.0	275.5	272.4	277.0	275.5	275.5	274.0	274.0	275.5	275.5
12.5°	304.8	295.5	294.0	290.9	292.4	290.9	292.4	300.1	298.6	300.1	297.1
15°	483.3	481.8	480.2	472.5	447.9	426.3	421.7	418.7	401.7	395.6	392.5
17.5°	511.0	503.3	511.0	507.9	500.2	492.5	486.4	474.1	438.7	438.7	434.0
20°	643.4	661.8	668.0	701.9	697.2	709.6	709.6	704.9	706.5	701.9	683.4
22.5°	781.9	763.4	752.6	769.6	772.7	765.0	781.9	778.8	817.3	798.8	851.2
25°	983.5	1023.5	1048.2	1025.1	1014.3	1018.9	1032.8	1015.8	1025.1	1018.9	1022.0
27.5°	1097.4	1117.4	1103.6	1102.0	1108.2	1112.8	1092.8	1092.8	1091.3	1129.7	1166.7
30°	1277.5	1260.6	1260.6	1269.8	1283.7	1283.7	1266.7	1262.1	1279.0	1263.6	1282.1
32.5°	1345.2	1336.0	1368.3	1474.5	1479.1	1457.6	1459.1	1479.1	1480.7	1502.2	1505.3
35°	1525.3	1551.5	1569.9	1574.6	1556.1	1554.5	1574.6	1585.3	1606.9	1608.4	1626.9
37.5°	1646.9	1657.7	1659.2	1653.1	1625.4	1643.8	1654.6	1668.4	1668.4	1683.8	1676.1
40°	1782.3	1787.0	1785.4	1736.2	1728.5	1750.0	1756.2	1751.6	1750.0	1753.1	1746.9
42.5°	1959.3	1950.1	1903.9	1867.0	1874.7	1874.7	1865.5	1843.9	1854.7	1831.6	1820.8
45°	2190.2	2167.1	2093.3	2060.9	2062.5	2033.2	1997.8	1993.2	1964.0	1936.3	1962.4
47.5°	2502.7	2430.3	2358.0	2328.7	2298.0	2251.8	2191.8	2168.7	2124.0	2099.4	2102.5
50°	2876.7	2768.9	2721.2	2727.4	2665.8	2579.6	2530.4	2459.6	2378.0	2370.3	2336.4
52.5°	3244.5	3186.1	3199.9	3195.3	3119.9	3039.8	2996.7	2941.3	2852.1	2812.0	2716.6
55°	3624.7	3654.0	3735.5	3732.5	3695.5	3684.7	3663.2	3615.5	3629.3	3527.8	3409.2
57.5°	4351.2	4497.4	4692.9	4768.3	4760.6	4791.4	4866.8	4948.4	5011.5	4931.5	4943.8
60°	5220.8	5528.7	5819.6	5948.8	6167.4	6269.0	6438.3	6658.4	6807.7	6696.9	6887.7
62.5°	5664.1	6105.8	6327.5	6478.3	6767.7	6912.4	7134.0	7383.3	7444.9	7529.6	7742.0
65°	5710.3	6098.1	6258.2	6493.7	6724.6	6803.1	7097.1	7257.1	7234.0	7444.9	7468.0
67.5°	5017.7	5348.6	5602.5	5948.8	6124.3	6305.9	6549.1	6579.9	6676.9	6847.7	6727.7
70°	3564.7	4100.3	4443.5	4843.7	5120.8	5413.2	5644.1	5664.1	5821.1	5875.0	5813.4
72.5°	1928.6	2451.9	2864.4	3356.9	3681.7	4015.7	4225.0	4346.6	4408.1	4326.6	4480.5
75°	1086.6	1300.6	1566.9	1822.4	2079.4	2207.2	2304.1	2350.3	2248.7	2217.9	2214.8
77.5°	918.9	908.1	929.7	883.5	895.8	863.5	869.6	791.1	737.3	775.7	772.7
80°	1128.2	1026.6	908.1	748.0	640.3	544.9	491.0	475.6	495.6	547.9	584.9
82.5°	1499.1	1480.7	1285.2	1080.5	908.1	726.5	588.0	507.9	517.2	552.6	620.3
85°	1029.7	1074.3	952.7	892.7	734.2	615.7	507.9	407.9	374.0	357.1	340.2
87.5°	207.8	181.6	163.2	153.9	133.9	118.5	106.2	97.0	98.5	92.3	90.8
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):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	153.9	146.2	147.8	143.1	140.1	138.5	143.1	143.1	141.6	140.1	133.9
5°	209.3	207.8	201.6	193.9	184.7	167.8	158.5	150.8	146.2	144.7	141.6
7.5°	207.8	206.2	204.7	204.7	204.7	203.2	203.2	198.6	193.9	180.1	149.3
10°	275.5	283.2	300.1	309.4	309.4	307.8	298.6	297.1	295.5	294.0	281.7
12.5°	297.1	289.4	289.4	290.9	301.7	312.4	318.6	315.5	315.5	315.5	310.9
15°	390.9	390.9	389.4	389.4	389.4	392.5	390.9	400.2	406.3	403.3	404.8
17.5°	434.0	440.2	437.1	437.1	427.9	411.0	443.3	404.8	403.3	454.1	497.1
20°	657.2	655.7	646.4	643.4	637.2	634.1	638.8	640.3	641.8	640.3	649.5
22.5°	846.5	820.4	800.4	795.7	815.8	823.4	814.2	815.8	809.6	811.1	797.3
25°	1029.7	1006.6	1029.7	1005.1	988.1	971.2	969.7	960.4	972.7	978.9	997.4
27.5°	1192.8	1205.2	1203.6	1217.5	1195.9	1177.5	1179.0	1171.3	1185.2	1200.5	1183.6
30°	1285.2	1296.0	1289.8	1272.9	1280.6	1285.2	1314.4	1309.8	1303.7	1269.8	1254.4
32.5°	1517.6	1513.0	1500.7	1511.5	1546.9	1565.3	1519.1	1508.4	1509.9	1529.9	1517.6
35°	1617.7	1617.7	1620.7	1668.4	1680.8	1646.9	1645.4	1654.6	1674.6	1637.7	1616.1
37.5°	1668.4	1679.2	1720.8	1733.1	1696.2	1696.2	1723.9	1716.2	1699.2	1694.6	1714.6
40°	1743.9	1788.5	1802.4	1765.4	1767.0	1793.1	1765.4	1745.4	1759.3	1805.4	1807.0
42.5°	1862.4	1880.9	1842.4	1836.2	1873.2	1840.8	1840.8	1868.5	1885.5	1882.4	1899.3
45°	1977.8	1944.0	1920.9	1954.7	1931.6	1905.5	1967.0	1973.2	1973.2	1990.1	2014.8
47.5°	2087.1	2031.7	2054.8	2040.9	1990.1	2060.9	2074.8	2073.2	2082.5	2111.7	2104.0
50°	2248.7	2210.2	2202.5	2131.7	2174.8	2202.5	2201.0	2219.5	2236.4	2227.2	2294.9
52.5°	2579.6	2565.8	2436.5	2393.4	2414.9	2390.3	2414.9	2402.6	2401.1	2458.0	2462.7
55°	3296.9	3218.4	2992.1	2982.9	2865.9	2768.9	2801.3	2770.5	2784.3	2821.3	2847.4
57.5°	4939.2	4706.7	4643.6	4611.3	4382.0	4120.3	4092.6	4129.6	4124.9	4066.5	4163.4
60°	6890.8	6727.7	6901.6	6775.4	6596.8	6510.6	6384.4	6379.8	6325.9	6281.3	6179.7
62.5°	7605.0	7811.2	7974.4	7980.5	8020.6	7975.9	7912.8	7837.4	7848.2	7723.5	7683.5
65°	7466.5	7771.2	7855.9	8022.1	8146.8	8319.1	8322.2	8349.9	8325.3	8226.8	8088.3
67.5°	7004.7	7150.9	7244.8	7441.8	7689.6	7917.4	8103.7	8131.4	8148.3	8091.4	7886.6
70°	6082.8	6144.3	6276.7	6475.2	6775.4	7001.6	7255.6	7281.8	7335.6	7275.6	7132.5
72.5°	4503.6	4485.1	4554.4	4691.4	4833.0	4990.0	5151.6	5162.3	5280.9	5162.3	4997.6
75°	2093.3	2039.4	1994.7	1987.1	2004.0	2050.2	2045.5	1984.0	1967.0	1827.0	1726.9
77.5°	717.2	698.8	661.8	604.9	540.2	461.7	404.8	377.1	350.9	312.4	298.6
80°	632.6	674.2	669.5	624.9	549.5	460.2	375.6	334.0	298.6	240.1	217.0
82.5°	729.6	821.9	891.2	843.5	724.9	589.5	427.9	357.1	292.4	198.6	161.6
85°	349.4	344.8	378.6	321.7	304.8	223.2	167.8	141.6	129.3	106.2	98.5
87.5°	92.3	93.9	97.0	97.0	93.9	87.7	86.2	83.1	81.6	75.4	70.8
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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CATALOG NUMBER: UTLD-E03-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	133.9	132.4	132.4	130.8	130.8	130.8	130.8	130.8	129.3	129.3	129.3
5°	143.1	143.1	141.6	137.0	133.9	133.9	132.4	132.4	130.8	130.8	130.8
7.5°	137.0	135.4	133.9	135.4	138.5	140.1	140.1	138.5	137.0	138.5	138.5
10°	238.6	221.6	217.0	215.5	212.4	212.4	210.9	207.8	203.2	201.6	201.6
12.5°	303.2	246.3	238.6	237.0	234.0	232.4	230.9	223.2	220.1	223.2	224.7
15°	403.3	381.7	335.5	337.1	338.6	337.1	337.1	334.0	329.4	324.8	324.8
17.5°	466.4	483.3	427.9	444.8	432.5	446.4	438.7	432.5	441.7	406.3	417.1
20°	644.9	644.9	620.3	583.3	588.0	594.1	601.8	600.3	592.6	578.7	572.6
22.5°	809.6	800.4	809.6	786.5	778.8	789.6	741.9	766.5	758.8	768.0	769.6
25°	1005.1	1008.1	975.8	948.1	925.0	928.1	946.6	942.0	918.9	926.6	949.7
27.5°	1166.7	1179.0	1202.1	1169.8	1149.8	1143.6	1137.4	1142.1	1174.4	1171.3	1143.6
30°	1269.8	1252.9	1248.3	1263.6	1289.8	1269.8	1296.0	1256.0	1243.6	1282.1	1280.6
32.5°	1469.9	1494.5	1517.6	1513.0	1516.1	1543.8	1528.4	1531.5	1520.7	1509.9	1531.5
35°	1642.3	1643.8	1628.4	1650.0	1643.8	1651.5	1671.5	1673.1	1679.2	1676.1	1677.7
37.5°	1713.1	1725.4	1731.6	1693.1	1734.6	1737.7	1756.2	1771.6	1802.4	1825.4	1836.2
40°	1827.0	1819.3	1805.4	1847.0	1808.5	1833.1	1877.8	1907.0	1940.9	1987.1	2002.4
42.5°	1917.8	1917.8	1942.4	1931.6	1979.4	1970.1	2020.9	2070.2	2113.3	2124.0	2207.2
45°	2016.3	2062.5	2067.1	2091.7	2122.5	2179.4	2184.1	2224.1	2271.8	2331.8	2359.5
47.5°	2165.6	2170.2	2227.2	2259.5	2302.6	2351.8	2379.5	2393.4	2453.4	2502.7	2533.5
50°	2290.3	2368.8	2402.6	2455.0	2511.9	2536.5	2579.6	2613.5	2636.6	2668.9	2688.9
52.5°	2522.7	2575.0	2650.4	2701.2	2758.2	2799.7	2836.7	2898.2	2899.8	2896.7	2918.2
55°	2910.5	3018.3	3136.8	3175.3	3284.6	3336.9	3401.5	3438.5	3493.9	3438.5	3452.3
57.5°	4232.7	4405.1	4500.5	4628.2	4728.3	4803.7	4822.2	4866.8	4946.9	4937.6	4886.8
60°	6293.6	6313.6	6389.0	6486.0	6479.9	6567.6	6512.2	6579.9	6459.8	6446.0	6321.3
62.5°	7611.1	7571.1	7563.4	7552.6	7517.2	7452.6	7369.5	7303.3	7197.1	7043.2	6937.0
65°	7917.4	7792.8	7708.1	7641.9	7511.1	7372.6	7261.7	7138.6	7050.9	6890.8	6730.7
67.5°	7678.9	7526.5	7374.1	7175.6	7032.4	6861.6	6696.9	6589.1	6427.5	6338.3	6078.1
70°	6966.2	6692.3	6436.8	6179.7	6055.0	5825.7	5671.8	5593.3	5431.7	5333.2	5140.8
72.5°	4866.8	4645.2	4272.7	4077.2	4035.7	3869.4	3801.7	3764.8	3686.3	3597.0	3497.0
75°	1643.8	1568.4	1474.5	1285.2	1337.5	1263.6	1215.9	1285.2	1259.0	1260.6	1211.3
77.5°	287.8	278.6	266.3	252.4	247.8	252.4	246.3	255.5	257.0	261.7	257.0
80°	206.2	195.5	187.8	181.6	177.0	178.5	173.9	175.5	173.9	175.5	173.9
82.5°	147.8	141.6	133.9	129.3	127.8	129.3	126.2	130.8	133.9	138.5	143.1
85°	92.3	90.8	86.2	84.7	84.7	83.1	84.7	90.8	97.0	104.7	109.3
87.5°	66.2	66.2	63.1	66.2	66.2	69.3	73.9	81.6	89.3	97.0	106.2
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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CATALOG NUMBER: UTLD-E03-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	129.3	129.3	129.3	129.3	129.3	129.3	129.3	127.8	127.8	129.3	129.3
5°	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	130.8	135.4	203.2
7.5°	137.0	137.0	137.0	135.4	135.4	135.4	137.0	138.5	137.0	193.9	132.4
10°	204.7	207.8	210.9	209.3	210.9	212.4	213.9	213.9	234.0	206.2	141.6
12.5°	226.3	226.3	227.8	226.3	224.7	246.3	290.9	290.9	292.4	227.8	226.3
15°	320.1	315.5	320.1	334.0	377.1	383.3	384.8	383.3	364.8	340.2	326.3
17.5°	384.8	366.3	386.3	421.7	383.3	381.7	358.6	341.7	347.8	424.8	440.2
20°	581.8	603.4	614.1	632.6	618.7	581.8	567.9	569.5	566.4	580.3	491.0
22.5°	760.3	788.0	785.0	777.3	755.7	778.8	788.0	729.6	718.8	765.0	792.7
25°	988.1	974.3	977.4	962.0	954.3	957.4	966.6	1011.2	1009.7	1094.3	881.9
27.5°	1180.5	1199.0	1186.7	1188.2	1215.9	1197.5	1228.2	1228.2	1291.4	1195.9	1182.1
30°	1260.6	1279.0	1314.4	1323.7	1351.4	1368.3	1365.2	1376.0	1380.6	1445.3	1289.8
32.5°	1573.0	1554.5	1582.3	1623.8	1639.2	1653.1	1696.2	1691.5	1666.9	1600.7	1473.0
35°	1716.2	1756.2	1756.2	1760.8	1828.5	1833.1	1828.5	1854.7	1834.7	1791.6	1553.0
37.5°	1857.8	1873.2	1922.4	1930.1	1919.3	1970.1	1971.7	1957.8	1977.8	1899.3	1700.8
40°	2025.5	2047.1	2054.8	2097.9	2076.3	2070.2	2128.7	2107.1	2093.3	1997.8	1745.4
42.5°	2216.4	2210.2	2222.5	2225.6	2248.7	2224.1	2222.5	2270.3	2233.3	2079.4	1740.8
45°	2408.8	2382.6	2370.3	2371.8	2368.8	2381.1	2342.6	2368.8	2373.4	2122.5	1700.8
47.5°	2530.4	2564.2	2533.5	2507.3	2490.4	2491.9	2479.6	2419.6	2467.3	2136.4	1637.7
50°	2719.7	2716.6	2713.5	2655.0	2638.1	2605.8	2590.4	2547.3	2513.4	2091.7	1568.4
52.5°	2932.1	2925.9	2933.6	2882.8	2818.2	2778.2	2732.0	2692.0	2613.5	2047.1	1491.4
55°	3456.9	3443.1	3401.5	3387.7	3269.2	3167.6	3041.4	2964.4	2895.2	2044.0	1402.2
57.5°	4871.4	4808.3	4700.6	4617.5	4394.3	4180.4	3983.3	3758.6	3603.2	2214.8	1334.5
60°	6176.6	6096.6	5958.1	5690.3	5457.9	5082.3	4725.2	4429.7	4158.8	2394.9	1257.5
62.5°	6703.0	6535.3	6330.6	6065.8	5670.3	5307.0	4819.1	4477.4	4135.7	2288.7	1062.0
65°	6572.2	6290.5	6039.7	5742.6	5364.0	4909.9	4412.8	4001.8	3704.8	1848.5	737.3
67.5°	5948.8	5690.3	5439.4	5090.0	4671.3	4165.0	3738.6	3313.8	3047.5	1316.0	411.0
70°	4979.2	4782.2	4477.4	4138.8	3758.6	3298.4	2864.4	2495.0	2230.2	803.4	200.1
72.5°	3423.1	3255.3	3127.6	2839.7	2455.0	2039.4	1794.7	1506.8	1348.3	411.0	132.4
75°	1237.5	1251.3	1152.8	1102.0	975.8	786.5	692.6	583.3	509.5	186.2	130.8
77.5°	287.8	283.2	298.6	306.3	284.7	260.1	234.0	215.5	201.6	146.2	138.5
80°	175.5	173.9	172.4	170.8	169.3	167.8	166.2	163.2	160.1	143.1	140.1
82.5°	146.2	147.8	147.8	147.8	149.3	149.3	150.8	150.8	149.3	143.1	141.6
85°	113.9	118.5	123.1	127.8	133.9	140.1	143.1	144.7	144.7	140.1	140.1
87.5°	113.9	120.1	127.8	137.0	146.2	153.9	160.1	163.2	163.2	141.6	138.5
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: P157141

CATALOG NUMBER: UTLD-E03-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	137.0	133.9	135.4	146.2	140.1	137.0
5°	206.2	160.1	133.9	132.4	130.8	129.3
7.5°	137.0	137.0	140.1	173.9	192.4	203.2
10°	153.9	220.1	230.9	226.3	227.8	224.7
12.5°	310.9	234.0	244.7	275.5	320.1	320.1
15°	337.1	411.0	334.0	337.1	332.5	332.5
17.5°	441.7	438.7	355.5	429.4	435.6	435.6
20°	558.7	506.4	526.4	461.7	454.1	452.5
22.5°	603.4	624.9	557.2	566.4	566.4	563.3
25°	803.4	703.4	657.2	584.9	649.5	635.7
27.5°	935.8	778.8	769.6	691.1	681.8	675.7
30°	1109.7	975.8	821.9	786.5	785.0	778.8
32.5°	1205.2	1017.4	889.6	811.1	868.1	865.0
35°	1312.9	1060.5	942.0	883.5	843.5	837.3
37.5°	1319.1	1078.9	912.7	897.3	885.0	880.4
40°	1336.0	1042.0	909.6	895.8	883.5	878.9
42.5°	1286.7	991.2	865.0	814.2	791.1	785.0
45°	1219.0	912.7	772.7	715.7	688.0	681.8
47.5°	1139.0	841.9	674.2	621.8	583.3	572.6
50°	1055.9	749.6	577.2	514.1	477.1	464.8
52.5°	965.1	632.6	469.4	415.6	377.1	369.4
55°	855.8	509.5	366.3	329.4	306.3	300.1
57.5°	714.2	383.3	280.1	263.2	252.4	249.3
60°	547.9	269.4	210.9	215.5	210.9	213.9
62.5°	375.6	178.5	161.6	175.5	177.0	177.0
65°	218.6	129.3	130.8	147.8	149.3	150.8
67.5°	133.9	107.7	113.9	130.8	132.4	132.4
70°	112.4	100.0	106.2	123.1	124.7	124.7
72.5°	109.3	100.0	103.1	120.1	121.6	123.1
75°	110.8	98.5	103.1	120.1	118.5	117.0
77.5°	113.9	98.5	101.6	120.1	121.6	113.9
80°	112.4	95.4	97.0	127.8	123.1	104.7
82.5°	107.7	89.3	86.2	135.4	109.3	93.9
85°	100.0	80.0	70.8	147.8	107.7	67.7
87.5°	56.9	66.2	52.3	129.3	98.5	53.9
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)