

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: P179284

Luminaire Tested: **UTLD-F03-LED-E-U-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179284
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-SL3-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3501.6 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 78.3
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

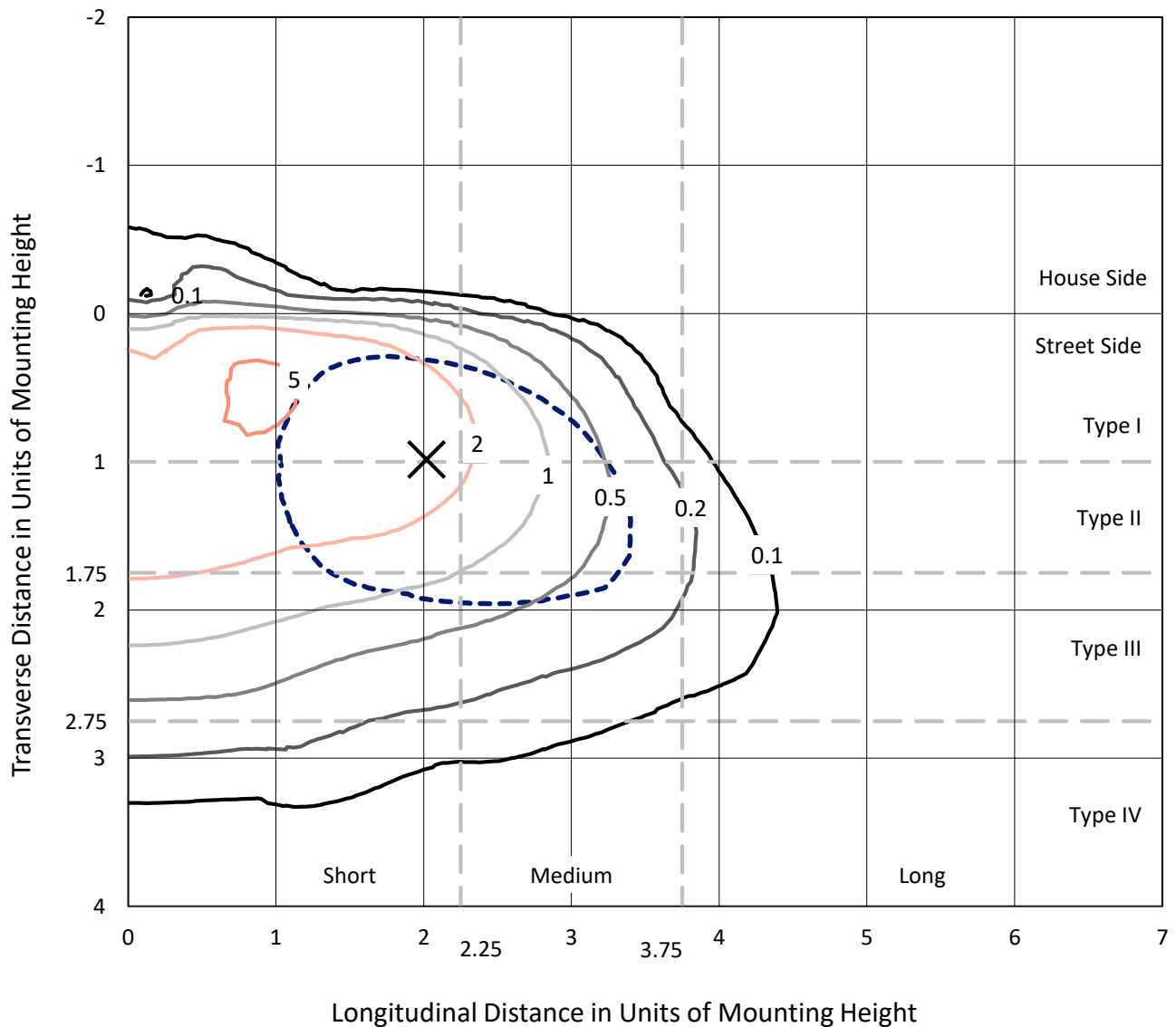


REPORT NUMBER: P179284

CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

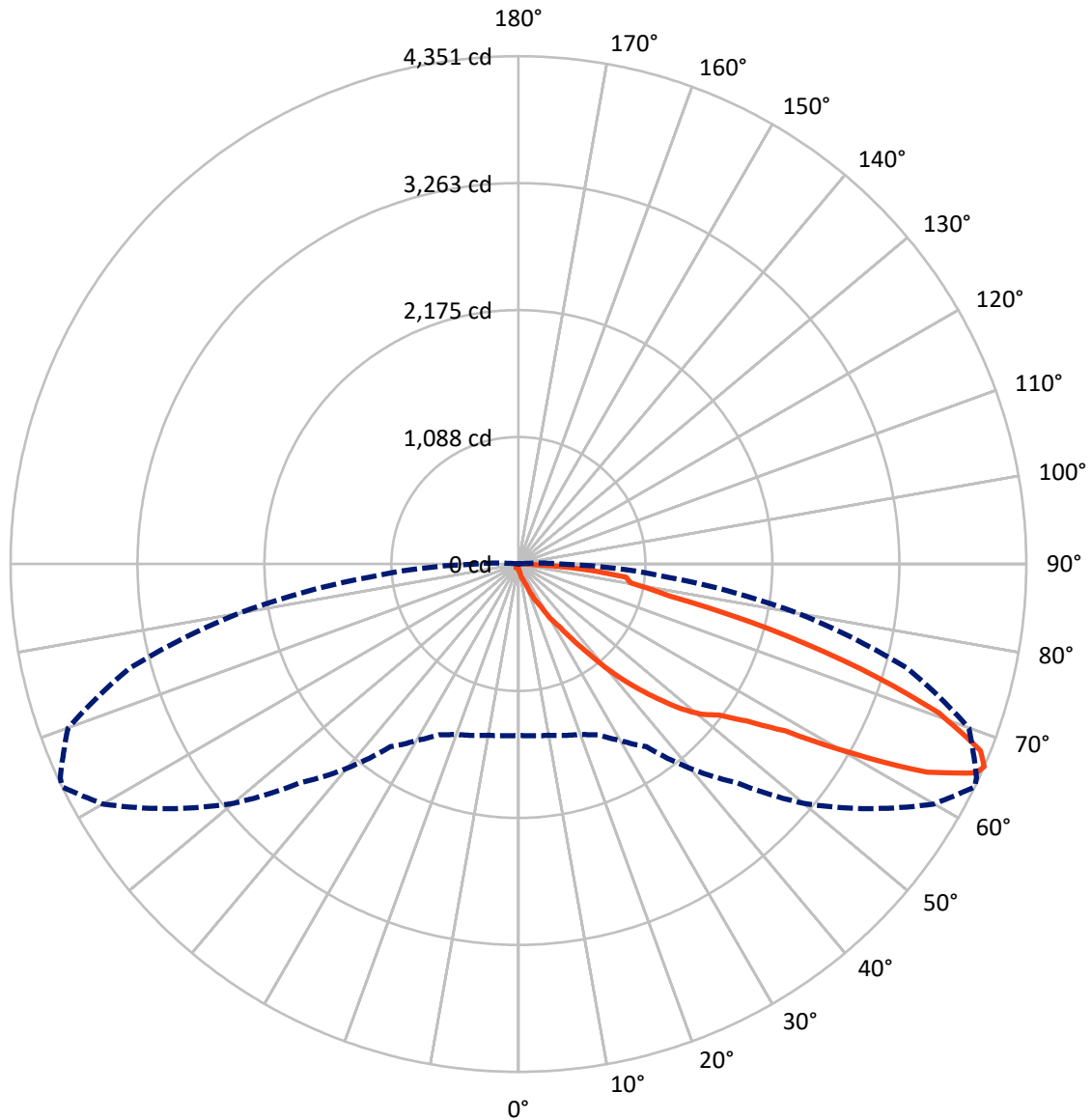


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P179284

CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



REPORT NUMBER: P179284

CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

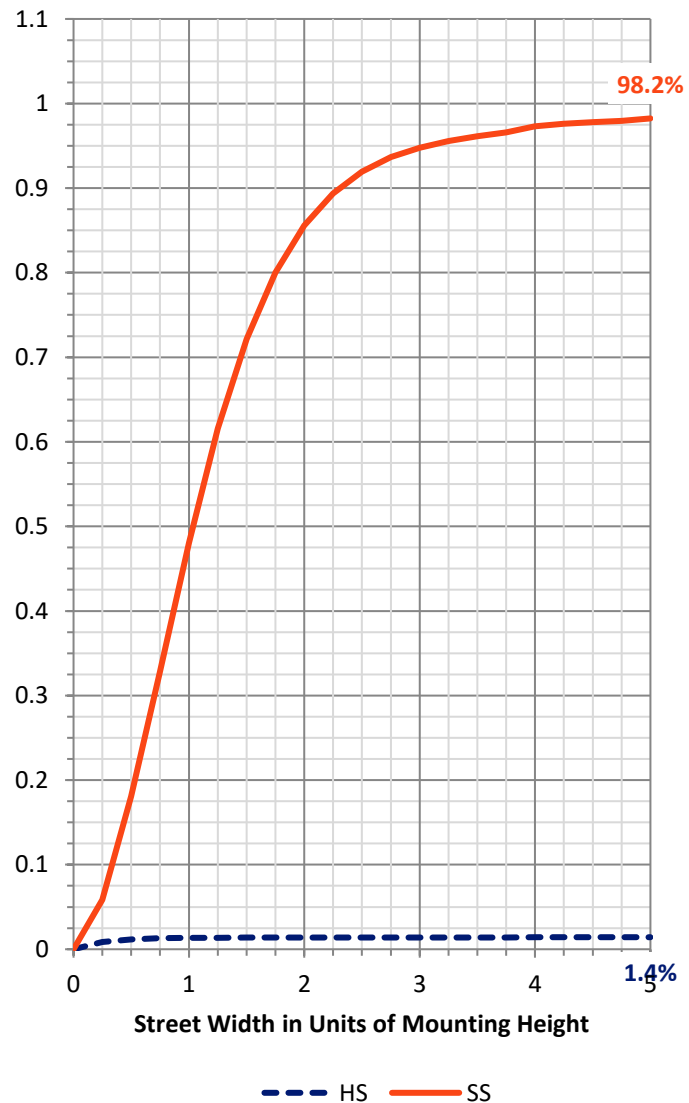
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.1	0.0	51.1
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	3450.4	0.0	3450.4
	% Fixture	98.5	0.0	98.5
Total	Lumens	3501.6	0.0	3501.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	27.4	0.8
20°-30°	83.6	2.4
30°-40°	222.4	6.4
40°-50°	517.4	14.8
50°-60°	882.3	25.2
60°-70°	1164.8	33.3
70°-80°	522.7	14.9
80°-90°	76.1	2.2
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°	3501.6	100.0
0°-180°	3501.6	100.0

Coefficient of Utilization



REPORT NUMBER: P179284

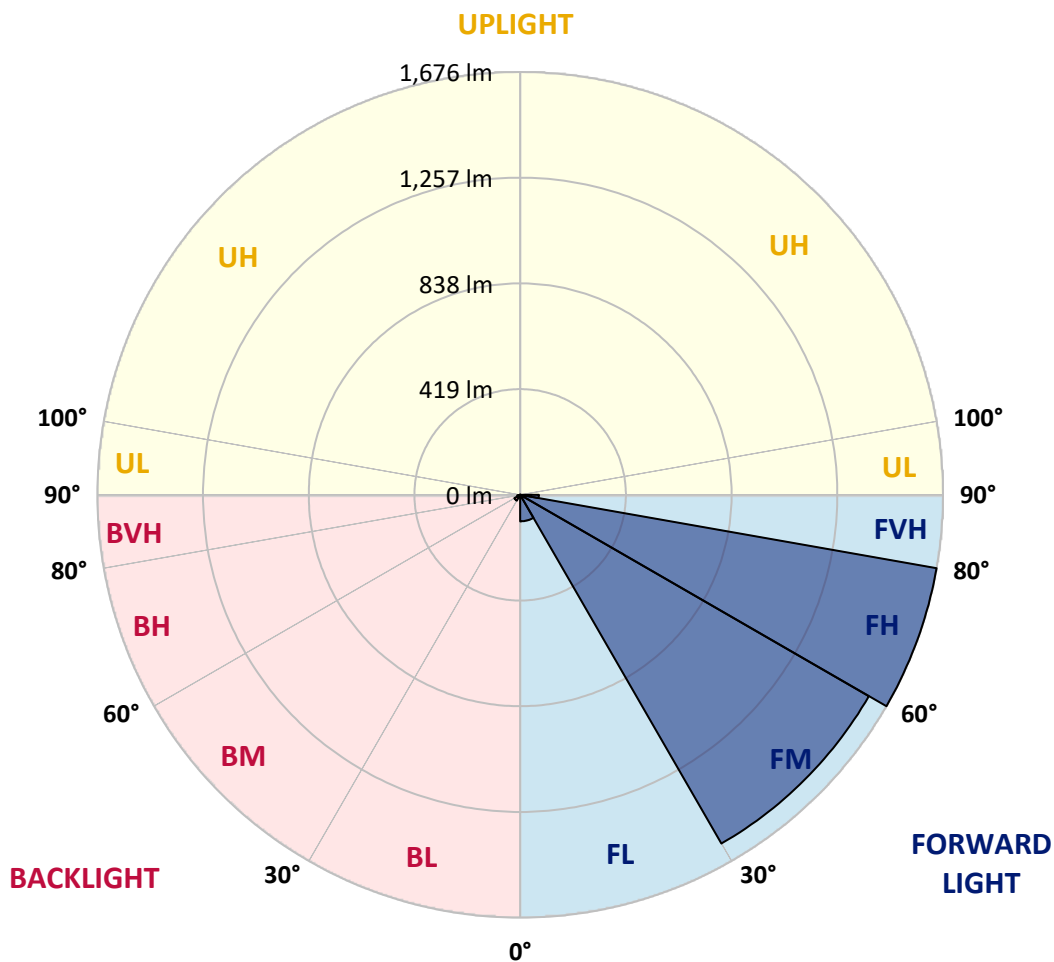
CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.1	3.0			
FM	(30°-60°)	1595.7	45.6			
FH	(60°-80°)	1675.7	47.9			G1/1800
FVH	(80°-90°)	74.0	2.1			G1/100
BL	(0°-30°)	10.8	0.3	B0/110		
BM	(30°-60°)	26.5	0.8	B0/220		
BH	(60°-80°)	11.8	0.3	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P179284

CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	59.9	59.9	59.9	58.8	57.7	57.7	56.5	55.4	55.4	55.4	54.3
5°	81.4	78.0	75.8	72.4	70.1	70.1	67.9	66.7	65.6	64.5	62.2
7.5°	121.0	119.9	117.6	116.5	115.4	114.2	110.8	109.7	106.3	97.3	74.6
10°	153.8	148.2	148.2	140.2	135.7	131.2	126.7	124.4	124.4	116.5	110.8
12.5°	184.4	185.5	186.6	187.7	184.4	182.1	178.7	174.2	143.6	136.8	136.8
15°	245.4	243.2	239.8	222.8	197.9	193.4	184.4	185.5	201.3	191.1	162.9
17.5°	254.5	254.5	252.2	248.8	244.3	236.4	237.5	230.7	209.2	204.7	203.6
20°	328.0	328.0	323.5	312.2	286.1	248.8	256.7	247.7	248.8	244.3	231.9
22.5°	356.3	357.4	348.3	335.9	317.8	315.5	297.5	260.1	271.4	264.7	268.0
25°	451.3	449.0	436.6	410.5	386.8	331.4	305.4	311.0	295.2	286.1	328.0
27.5°	555.3	553.1	507.8	455.8	418.5	380.0	361.9	329.1	335.9	343.8	357.4
30°	611.9	606.2	583.6	544.0	498.8	449.0	386.8	377.8	369.8	376.6	470.5
32.5°	739.7	738.5	708.0	660.5	605.1	511.2	459.2	441.1	421.9	478.4	546.3
35°	882.2	877.6	855.0	784.9	712.5	641.3	602.8	545.1	562.1	596.0	701.2
37.5°	994.1	994.1	963.6	901.4	868.6	809.8	760.0	751.0	725.0	774.7	899.1
40°	1057.5	1064.3	1071.0	1049.6	1017.9	993.0	965.9	947.8	957.9	981.7	1108.4
42.5°	1161.5	1174.0	1195.5	1185.3	1170.6	1176.2	1136.6	1146.8	1164.9	1201.1	1331.2
45°	1313.1	1323.3	1347.0	1365.1	1390.0	1376.4	1301.8	1354.9	1393.4	1417.1	1555.1
47.5°	1463.5	1482.7	1514.4	1541.5	1581.1	1567.6	1525.7	1548.3	1586.8	1611.7	1771.1
50°	1594.7	1612.8	1646.7	1687.4	1704.4	1737.2	1721.4	1732.7	1777.9	1798.3	1954.4
52.5°	1693.1	1702.1	1731.5	1777.9	1796.0	1846.9	1853.7	1852.6	1940.8	1972.4	2135.3
55°	1745.1	1754.2	1782.4	1818.6	1842.4	1911.4	1904.6	1923.8	2055.0	2115.0	2319.7
57.5°	1755.3	1766.6	1789.2	1834.5	1853.7	1935.1	1919.3	1964.5	2136.4	2259.7	2515.3
60°	1736.1	1748.5	1767.7	1810.7	1837.9	1915.9	1939.6	2001.9	2219.0	2416.9	2765.3
62.5°	1653.5	1672.7	1684.0	1730.4	1756.4	1822.0	1930.6	2046.0	2310.6	2565.1	3031.1
65°	1526.8	1537.0	1552.8	1586.8	1617.3	1682.9	1827.7	1995.1	2334.4	2657.8	3186.0
66°	1468.0	1477.1	1489.5	1520.1	1552.8	1613.9	1745.1	1910.2	2282.3	2653.3	3190.5
67.5°	1353.8	1358.3	1380.9	1404.7	1440.9	1479.3	1580.0	1744.0	2128.5	2539.1	3105.7
70°	913.8	928.5	990.7	1073.3	1124.2	1118.5	1181.9	1326.7	1665.9	2064.1	2679.3
72.5°	429.8	434.3	442.2	475.0	662.8	701.2	745.3	869.7	1125.3	1437.5	1955.5
75°	351.7	356.3	369.8	386.8	426.4	472.8	488.6	537.2	722.7	891.2	1195.5
77.5°	119.9	123.3	132.3	157.2	240.9	302.0	356.3	443.3	544.0	633.4	783.8
80°	49.8	53.2	57.7	53.2	62.2	102.9	130.1	190.0	331.4	486.3	620.9
82.5°	27.1	28.3	31.7	29.4	36.2	47.5	50.9	55.4	80.3	162.9	348.3
85°	7.9	7.9	9.0	14.7	21.5	31.7	31.7	30.5	30.5	46.4	87.1
87.5°	2.3	2.3	3.4	4.5	6.8	11.3	13.6	13.6	14.7	19.2	28.3
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: P179284

CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	54.3	54.3	54.3	54.3	53.2	53.2	49.8	45.2	40.7	36.2	32.8
5°	61.1	57.7	56.5	56.5	53.2	53.2	52.0	48.6	37.3	31.7	28.3
7.5°	69.0	64.5	62.2	62.2	58.8	54.3	52.0	49.8	38.5	30.5	27.1
10°	108.6	90.5	78.0	74.6	70.1	64.5	61.1	61.1	45.2	36.2	32.8
12.5°	132.3	125.5	117.6	112.0	81.4	73.5	70.1	61.1	47.5	35.1	30.5
15°	151.6	141.4	132.3	130.1	128.9	98.4	84.8	76.9	55.4	45.2	37.3
17.5°	218.3	174.2	159.5	158.3	143.6	108.6	93.9	76.9	59.9	45.2	37.3
20°	230.7	213.8	190.0	194.5	196.8	171.9	134.6	105.2	79.2	59.9	45.2
22.5°	296.3	287.3	272.6	268.0	225.1	196.8	145.9	123.3	86.0	59.9	45.2
25°	339.3	333.6	352.9	349.5	324.6	273.7	200.2	147.0	107.4	69.0	50.9
27.5°	423.0	450.1	412.8	424.1	376.6	329.1	263.5	182.1	114.2	72.4	52.0
30°	480.7	519.1	544.0	537.2	476.1	383.4	292.9	205.8	124.4	72.4	54.3
32.5°	603.9	630.0	634.5	620.9	584.7	484.1	350.6	236.4	130.1	74.6	57.7
35°	718.2	783.8	782.6	784.9	712.5	596.0	424.1	254.5	139.1	74.6	57.7
37.5°	938.7	974.9	970.4	969.3	889.0	728.4	499.9	307.6	149.3	74.6	56.5
40°	1151.3	1195.5	1194.3	1181.9	1097.1	886.7	627.7	350.6	159.5	76.9	53.2
42.5°	1357.2	1377.5	1411.5	1416.0	1271.2	1068.8	757.8	409.4	170.8	79.2	50.9
45°	1572.1	1549.5	1613.9	1609.4	1475.9	1262.2	868.6	478.4	188.9	76.9	47.5
47.5°	1789.2	1784.7	1840.1	1799.4	1699.9	1492.9	1026.9	551.9	200.2	73.5	44.1
50°	1981.5	2017.7	2022.2	1962.3	1911.4	1719.1	1236.2	650.3	222.8	67.9	41.8
52.5°	2150.0	2208.8	2150.0	2137.6	2135.3	1898.9	1412.6	738.5	244.3	62.2	38.5
55°	2360.4	2403.4	2371.7	2376.2	2398.8	2204.3	1629.8	901.4	281.6	56.5	35.1
57.5°	2629.6	2715.5	2697.4	2776.6	2781.1	2636.3	1938.5	1086.9	325.7	52.0	31.7
60°	2986.9	3198.4	3301.4	3389.6	3287.8	3106.8	2281.2	1240.7	360.8	47.5	28.3
62.5°	3397.5	3745.8	3929.1	4028.6	3748.1	3361.3	2420.3	1306.3	368.7	41.8	24.9
65°	3632.7	4068.2	4312.5	4319.3	4051.2	3438.2	2440.7	1304.0	360.8	36.2	21.5
66°	3654.2	4110.0	4350.9	4330.6	4105.5	3447.3	2427.1	1283.7	352.9	33.9	20.4
67.5°	3576.2	4032.0	4270.6	4232.2	4072.7	3396.4	2337.8	1231.6	337.0	30.5	19.2
70°	3169.0	3578.5	3820.5	3768.5	3779.8	3096.7	1962.3	1050.7	294.1	24.9	17.0
72.5°	2498.4	2958.7	3065.0	3026.5	3095.5	2290.3	1386.6	737.4	219.4	20.4	14.7
75°	1676.1	2136.4	2210.0	2179.4	1962.3	1153.6	550.8	311.0	114.2	17.0	12.4
77.5°	1010.0	1345.9	1326.7	1330.0	1050.7	468.2	104.1	72.4	38.5	13.6	9.0
80°	738.5	934.2	972.7	996.4	824.5	306.5	57.7	43.0	22.6	10.2	6.8
82.5°	599.4	836.9	930.8	939.9	746.5	243.2	44.1	33.9	17.0	7.9	4.5
85°	164.0	427.5	528.2	501.0	317.8	82.6	31.7	22.6	11.3	5.7	4.5
87.5°	38.5	97.3	123.3	126.7	90.5	30.5	27.1	21.5	7.9	4.5	4.5
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: P179284

CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	31.7	30.5	29.4	28.3	28.3	27.1	27.1	27.1	26.0	27.1	27.1
5°	27.1	26.0	24.9	23.8	22.6	22.6	22.6	23.8	24.9	24.9	24.9
7.5°	26.0	23.8	22.6	22.6	22.6	15.8	11.3	10.2	10.2	10.2	11.3
10°	27.1	23.8	24.9	13.6	9.0	9.0	9.0	9.0	9.0	12.4	14.7
12.5°	28.3	26.0	14.7	13.6	12.4	11.3	13.6	12.4	12.4	13.6	13.6
15°	32.8	20.4	15.8	13.6	15.8	17.0	15.8	14.7	12.4	12.4	14.7
17.5°	27.1	20.4	18.1	20.4	20.4	17.0	14.7	17.0	17.0	15.8	14.7
20°	32.8	28.3	24.9	21.5	19.2	18.1	19.2	17.0	15.8	15.8	17.0
22.5°	35.1	30.5	31.7	28.3	26.0	20.4	19.2	17.0	18.1	17.0	17.0
25°	43.0	43.0	37.3	29.4	27.1	23.8	22.6	18.1	18.1	15.8	17.0
27.5°	46.4	41.8	37.3	33.9	30.5	23.8	22.6	19.2	17.0	17.0	14.7
30°	48.6	43.0	38.5	33.9	29.4	26.0	22.6	19.2	17.0	15.8	15.8
32.5°	52.0	45.2	37.3	31.7	28.3	23.8	22.6	18.1	15.8	13.6	13.6
35°	48.6	41.8	36.2	31.7	26.0	22.6	20.4	17.0	13.6	13.6	12.4
37.5°	45.2	38.5	32.8	29.4	24.9	20.4	18.1	14.7	12.4	11.3	11.3
40°	43.0	36.2	30.5	26.0	21.5	18.1	15.8	12.4	10.2	9.0	9.0
42.5°	39.6	32.8	27.1	22.6	19.2	15.8	13.6	10.2	7.9	6.8	6.8
45°	37.3	30.5	24.9	20.4	15.8	13.6	10.2	7.9	5.7	4.5	4.5
47.5°	35.1	28.3	21.5	17.0	13.6	11.3	7.9	5.7	3.4	3.4	2.3
50°	31.7	24.9	19.2	14.7	11.3	9.0	5.7	3.4	2.3	1.1	1.1
52.5°	29.4	21.5	17.0	12.4	9.0	6.8	4.5	2.3	1.1	1.1	1.1
55°	26.0	19.2	14.7	10.2	7.9	4.5	2.3	1.1	1.1	1.1	1.1
57.5°	22.6	15.8	12.4	9.0	5.7	3.4	2.3	1.1	1.1	1.1	0.0
60°	19.2	13.6	10.2	6.8	4.5	2.3	1.1	1.1	1.1	1.1	0.0
62.5°	17.0	11.3	7.9	5.7	3.4	2.3	1.1	1.1	1.1	1.1	0.0
65°	14.7	9.0	6.8	4.5	2.3	2.3	1.1	1.1	1.1	1.1	0.0
66°	13.6	9.0	5.7	3.4	2.3	2.3	1.1	1.1	1.1	1.1	0.0
67.5°	12.4	7.9	5.7	3.4	2.3	2.3	1.1	1.1	1.1	1.1	1.1
70°	11.3	6.8	4.5	3.4	2.3	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	10.2	5.7	3.4	3.4	2.3	2.3	1.1	1.1	1.1	1.1	1.1
75°	6.8	3.4	3.4	2.3	2.3	2.3	1.1	2.3	2.3	2.3	2.3
77.5°	4.5	3.4	2.3	2.3	2.3	2.3	1.1	2.3	2.3	2.3	2.3
80°	4.5	3.4	3.4	3.4	3.4	3.4	1.1	3.4	3.4	3.4	2.3
82.5°	3.4	3.4	3.4	3.4	4.5	4.5	1.1	4.5	4.5	3.4	3.4
85°	3.4	3.4	3.4	4.5	4.5	5.7	1.1	4.5	4.5	4.5	4.5
87.5°	3.4	4.5	4.5	4.5	5.7	5.7	2.3	5.7	5.7	5.7	4.5
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: P179284

CATALOG NUMBER: UTLD-F03-LED-E-U-SL3-HSS-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	41.8	41.8	41.8	41.8	41.8
2.5°	27.1	28.3	28.3	29.4	29.4
5°	22.6	22.6	20.4	20.4	19.2
7.5°	11.3	11.3	12.4	12.4	12.4
10°	15.8	17.0	17.0	17.0	18.1
12.5°	13.6	14.7	15.8	15.8	15.8
15°	15.8	17.0	18.1	18.1	18.1
17.5°	14.7	14.7	15.8	15.8	17.0
20°	17.0	17.0	17.0	17.0	17.0
22.5°	14.7	14.7	17.0	18.1	18.1
25°	17.0	15.8	15.8	17.0	15.8
27.5°	14.7	15.8	17.0	17.0	17.0
30°	14.7	14.7	14.7	14.7	15.8
32.5°	14.7	14.7	14.7	14.7	14.7
35°	12.4	13.6	13.6	14.7	14.7
37.5°	11.3	11.3	12.4	12.4	12.4
40°	9.0	9.0	9.0	10.2	10.2
42.5°	6.8	6.8	6.8	7.9	6.8
45°	4.5	4.5	4.5	4.5	4.5
47.5°	2.3	2.3	3.4	3.4	3.4
50°	1.1	1.1	2.3	2.3	2.3
52.5°	1.1	1.1	1.1	2.3	2.3
55°	1.1	1.1	1.1	1.1	2.3
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
66°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	2.3
72.5°	1.1	1.1	2.3	1.1	2.3
75°	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	3.4	3.4	2.3	2.3
82.5°	3.4	3.4	3.4	3.4	2.3
85°	3.4	3.4	4.5	4.5	2.3
87.5°	4.5	4.5	4.5	4.5	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)