

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: P157123

Luminaire Tested: **UTLD-F01-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157123
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-F01-LED-E-U-T2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1865.7 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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

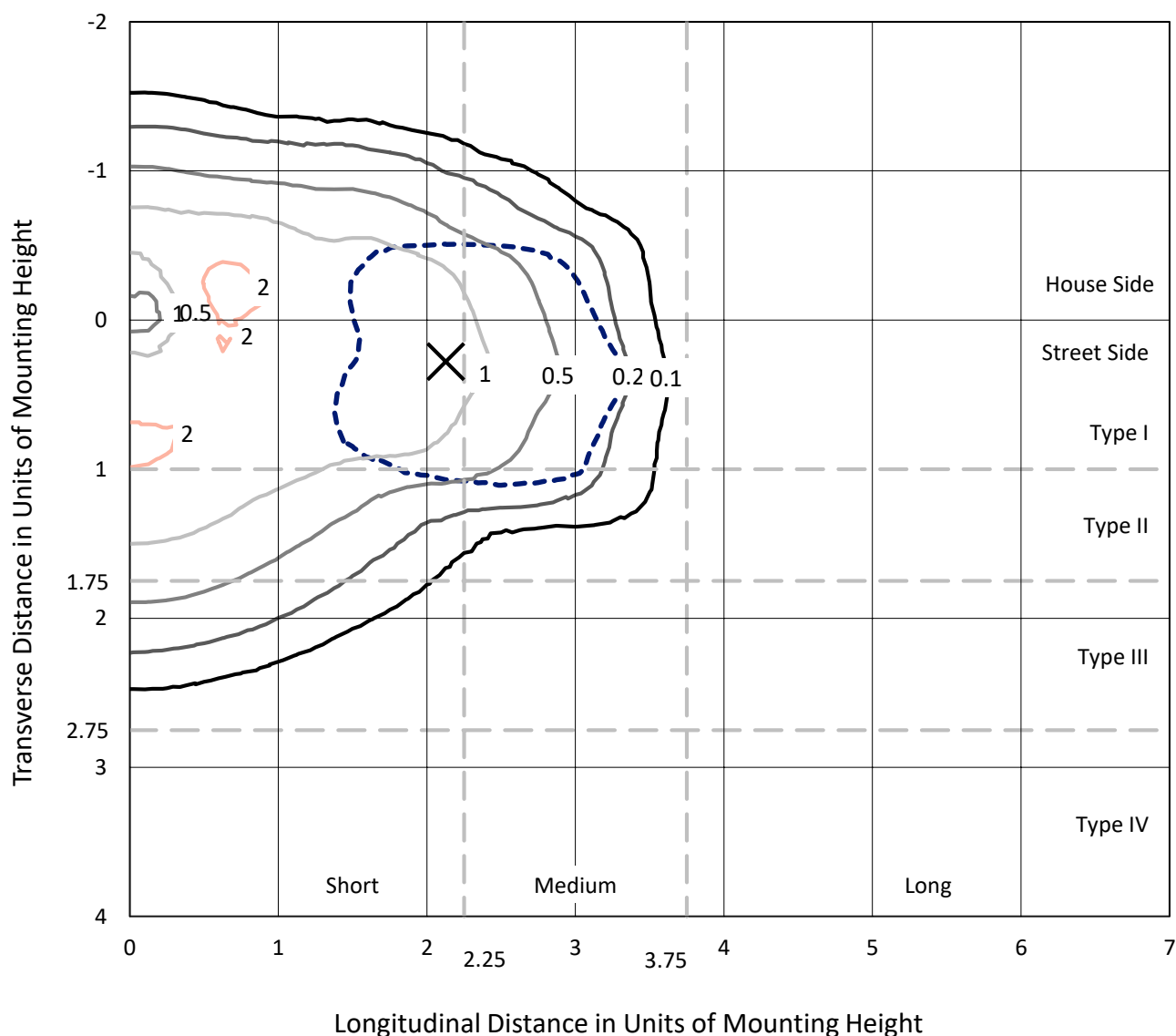


REPORT NUMBER: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

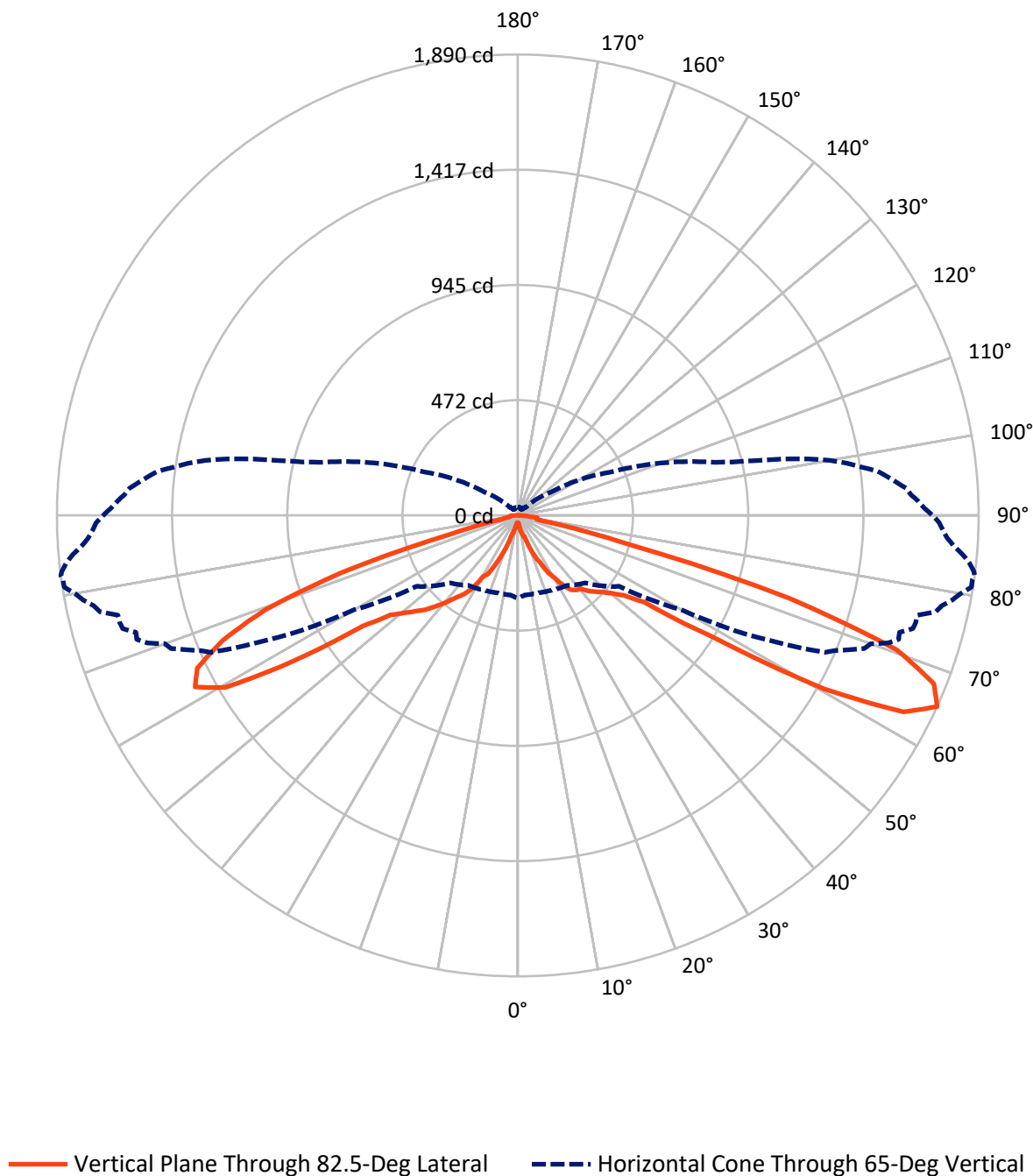


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

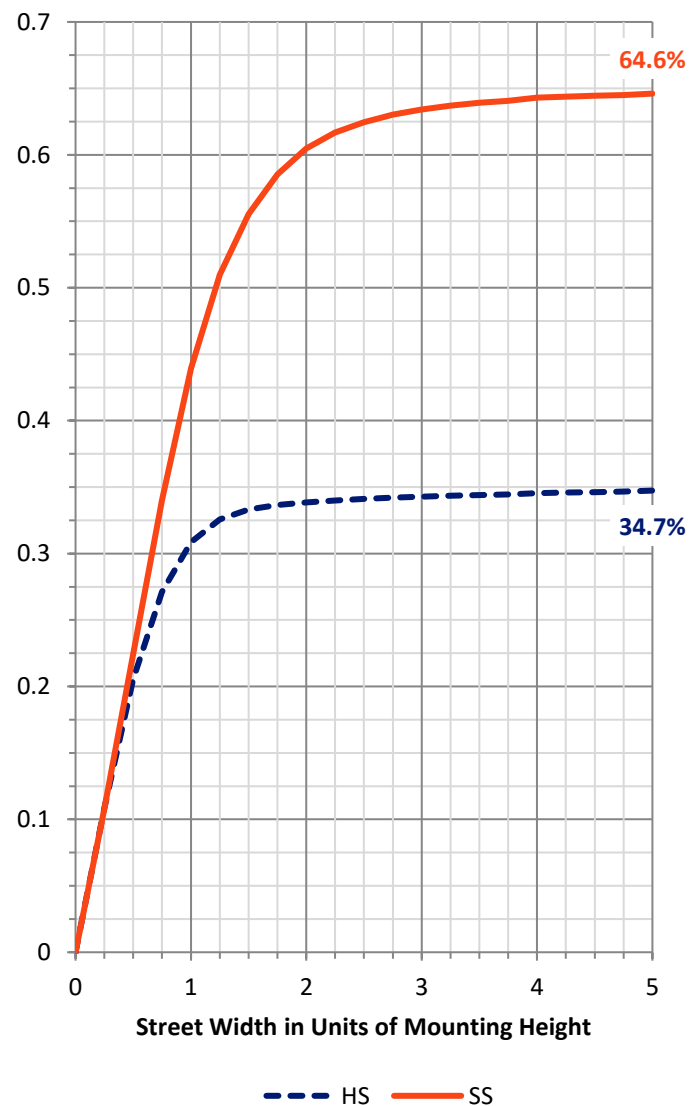
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	657.5	0.0	657.5
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	1208.2	0.0	1208.2
	% Fixture	64.8	0.0	64.8
Total	Lumens	1865.7	0.0	1865.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.2
10°-20°	27.5	1.5
20°-30°	92.2	4.9
30°-40°	203.5	10.9
40°-50°	321.6	17.2
50°-60°	456.2	24.5
60°-70°	542.8	29.1
70°-80°	183.6	9.8
80°-90°	34.0	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°	1865.7	100.0
0°-180°	1865.7	100.0

Coefficient of Utilization



REPORT NUMBER: P157123

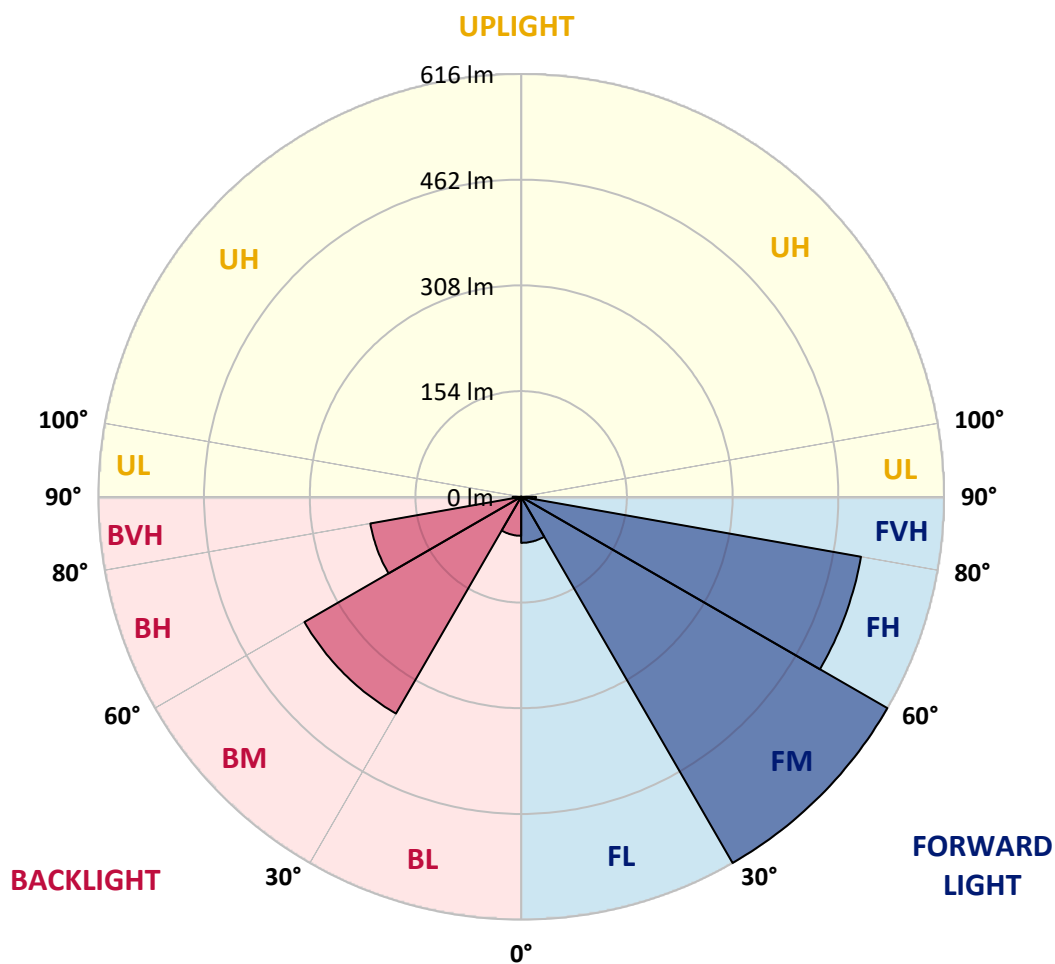
CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.1	3.6			
FM	(30°-60°)	616.4	33.0			
FH	(60°-80°)	503.1	27.0			G0/660
FVH	(80°-90°)	21.6	1.2			G1/100
BL	(0°-30°)	56.9	3.0	B0/110		
BM	(30°-60°)	364.9	19.6	B1/1000		
BH	(60°-80°)	223.3	12.0	B1/500		G1/500
BVH	(80°-90°)	12.4	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	42.5	42.5	42.5	44.6	49.8	49.8	49.5	49.8	49.1	48.4	47.4
5°	44.2	45.3	44.6	44.2	43.5	43.2	42.8	42.5	42.5	43.2	44.9
7.5°	67.6	67.9	67.6	68.3	66.2	47.7	44.6	44.2	45.3	45.6	44.9
10°	80.5	75.2	73.5	72.1	70.4	67.2	66.9	65.1	64.4	64.1	62.4
12.5°	102.8	102.8	102.1	97.5	93.0	90.6	92.7	87.8	87.1	85.0	78.7
15°	135.5	135.2	112.2	106.9	120.2	114.3	96.5	102.1	107.6	106.9	107.3
17.5°	144.9	144.9	143.2	137.6	129.6	121.6	130.6	114.3	113.9	114.3	116.0
20°	179.8	179.8	172.8	160.6	153.3	145.3	140.0	152.9	148.8	145.6	143.2
22.5°	181.2	181.2	176.3	185.7	172.8	165.1	179.1	181.8	185.3	185.7	181.8
25°	209.4	209.7	204.8	190.9	193.0	189.2	196.8	215.6	215.6	212.5	221.6
27.5°	239.0	239.3	209.0	214.9	208.0	221.9	242.5	251.9	244.9	247.3	248.0
30°	252.9	253.3	251.5	249.4	241.1	246.6	257.1	265.8	270.3	287.1	281.8
32.5°	312.1	312.5	301.3	275.6	280.4	290.9	295.4	297.5	302.7	305.5	305.5
35°	382.5	381.5	361.3	338.6	324.0	321.9	327.5	345.2	354.3	345.6	349.4
37.5°	438.9	434.1	411.4	396.8	381.1	376.9	381.5	379.0	379.7	368.6	368.6
40°	478.0	478.3	465.8	453.2	429.5	436.9	424.3	420.8	411.4	409.3	400.3
42.5°	519.1	520.8	504.8	489.1	466.8	486.7	475.5	470.3	449.4	455.3	443.8
45°	561.9	563.3	544.8	523.2	503.7	534.0	531.6	522.9	512.1	513.1	501.0
47.5°	593.6	596.4	575.5	550.1	536.8	572.7	584.9	584.2	582.8	573.1	568.2
50°	612.1	613.8	590.8	572.0	555.6	601.6	640.0	646.2	657.4	638.2	651.1
52.5°	618.0	619.0	596.1	575.5	559.8	617.7	681.8	716.2	724.3	720.8	741.0
55°	601.6	603.0	586.0	567.5	553.6	620.1	715.2	782.4	787.3	797.4	837.8
57.5°	574.8	574.1	570.6	551.1	549.7	618.0	743.1	866.7	869.5	918.6	991.1
60°	540.3	541.7	540.0	529.9	536.1	595.7	737.1	914.1	946.5	1022.1	1136.7
62.5°	486.3	488.8	481.4	467.5	472.4	518.7	667.5	892.2	967.8	1066.0	1205.4
65°	340.0	327.8	328.5	336.9	351.2	390.9	507.2	772.7	891.8	1006.4	1190.0
67.5°	195.8	199.3	198.9	207.3	224.7	256.1	324.3	517.3	625.0	758.0	988.7
70°	150.5	150.5	155.4	166.5	177.3	213.5	233.1	280.1	329.6	419.1	633.0
72.5°	113.2	112.9	117.4	127.9	149.4	195.4	272.8	193.7	200.3	217.7	342.4
75°	65.8	64.1	65.8	73.2	91.3	146.0	275.9	215.6	205.9	193.3	215.3
77.5°	34.1	34.1	35.9	37.6	46.7	74.9	198.9	263.4	255.0	233.8	219.5
80°	19.5	20.2	21.6	21.6	22.6	31.0	86.4	257.8	284.6	291.2	285.7
82.5°	9.8	11.1	15.3	15.3	15.0	15.7	32.4	151.2	205.9	255.4	344.2
85°	5.6	5.9	10.1	11.1	10.8	9.4	15.0	67.6	90.6	131.7	196.8
87.5°	2.1	3.1	4.9	5.6	6.3	4.9	8.7	19.2	25.8	35.5	43.5
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: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	47.4	45.6	46.3	44.6	41.5	40.1	39.7	39.4	39.0	36.9	36.9
5°	46.3	46.7	47.7	48.1	48.1	48.4	49.1	48.8	49.1	48.4	48.1
7.5°	44.2	43.2	42.2	41.5	41.5	41.5	41.5	41.8	43.2	45.3	46.3
10°	62.0	62.0	62.4	61.7	62.7	62.4	62.4	62.0	62.0	62.4	62.4
12.5°	69.0	66.9	66.5	65.8	66.2	65.8	66.2	67.9	67.6	67.9	67.2
15°	109.4	109.0	108.7	106.9	101.4	96.5	95.5	94.8	90.9	89.5	88.8
17.5°	115.7	113.9	115.7	115.0	113.2	111.5	110.1	107.3	99.3	99.3	98.2
20°	145.6	149.8	151.2	158.9	157.8	160.6	160.6	159.6	159.9	158.9	154.7
22.5°	177.0	172.8	170.4	174.2	174.9	173.1	177.0	176.3	185.0	180.8	192.6
25°	222.6	231.7	237.2	232.0	229.6	230.6	233.8	229.9	232.0	230.6	231.3
27.5°	248.4	252.9	249.8	249.4	250.8	251.9	247.3	247.3	247.0	255.7	264.1
30°	289.1	285.3	285.3	287.4	290.5	290.5	286.7	285.7	289.5	286.0	290.2
32.5°	304.5	302.4	309.7	333.7	334.8	329.9	330.3	334.8	335.1	340.0	340.7
35°	345.2	351.2	355.3	356.4	352.2	351.9	356.4	358.8	363.7	364.0	368.2
37.5°	372.8	375.2	375.5	374.1	367.9	372.1	374.5	377.6	377.6	381.1	379.4
40°	403.4	404.5	404.1	393.0	391.2	396.1	397.5	396.4	396.1	396.8	395.4
42.5°	443.5	441.4	430.9	422.6	424.3	424.3	422.2	417.3	419.8	414.6	412.1
45°	495.7	490.5	473.8	466.5	466.8	460.2	452.2	451.1	444.5	438.2	444.2
47.5°	566.4	550.1	533.7	527.1	520.1	509.7	496.1	490.9	480.7	475.2	475.9
50°	651.1	626.7	615.9	617.3	603.4	583.9	572.7	556.7	538.2	536.5	528.8
52.5°	734.4	721.1	724.3	723.2	706.1	688.0	678.3	665.7	645.5	636.5	614.9
55°	820.4	827.0	845.5	844.8	836.4	834.0	829.1	818.3	821.5	798.5	771.6
57.5°	984.8	1017.9	1062.2	1079.2	1077.5	1084.5	1101.5	1120.0	1134.3	1116.2	1119.0
60°	1181.7	1251.3	1317.2	1346.4	1395.9	1418.9	1457.2	1507.0	1540.8	1515.7	1558.9
62.5°	1282.0	1382.0	1432.1	1466.3	1531.8	1564.5	1614.7	1671.1	1685.1	1704.2	1752.3
65°	1292.4	1380.2	1416.5	1469.8	1522.0	1539.8	1606.3	1642.6	1637.3	1685.1	1690.3
67.5°	1135.7	1210.6	1268.1	1346.4	1386.2	1427.3	1482.3	1489.3	1511.2	1549.9	1522.7
70°	806.8	928.1	1005.7	1096.3	1159.0	1225.2	1277.5	1282.0	1317.5	1329.7	1315.8
72.5°	436.5	554.9	648.3	759.8	833.3	908.9	956.3	983.8	997.7	979.3	1014.1
75°	245.9	294.4	354.6	412.5	470.6	499.6	521.5	532.0	509.0	502.0	501.3
77.5°	208.0	205.5	210.4	200.0	202.8	195.4	196.8	179.1	166.9	175.6	174.9
80°	255.4	232.4	205.5	169.3	144.9	123.3	111.1	107.6	112.2	124.0	132.4
82.5°	339.3	335.1	290.9	244.6	205.5	164.4	133.1	115.0	117.1	125.1	140.4
85°	233.1	243.2	215.6	202.1	166.2	139.3	115.0	92.3	84.7	80.8	77.0
87.5°	47.0	41.1	36.9	34.8	30.3	26.8	24.0	21.9	22.3	20.9	20.6
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: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	34.8	33.1	33.4	32.4	31.7	31.4	32.4	32.4	32.0	31.7	30.3
5°	47.4	47.0	45.6	43.9	41.8	38.0	35.9	34.1	33.1	32.7	32.0
7.5°	47.0	46.7	46.3	46.3	46.3	46.0	46.0	44.9	43.9	40.8	33.8
10°	62.4	64.1	67.9	70.0	70.0	69.7	67.6	67.2	66.9	66.5	63.8
12.5°	67.2	65.5	65.5	65.8	68.3	70.7	72.1	71.4	71.4	71.4	70.4
15°	88.5	88.5	88.1	88.1	88.1	88.8	88.5	90.6	92.0	91.3	91.6
17.5°	98.2	99.6	98.9	98.9	96.8	93.0	100.3	91.6	91.3	102.8	112.5
20°	148.8	148.4	146.3	145.6	144.2	143.5	144.6	144.9	145.3	144.9	147.0
22.5°	191.6	185.7	181.2	180.1	184.6	186.4	184.3	184.6	183.2	183.6	180.5
25°	233.1	227.8	233.1	227.5	223.7	219.8	219.5	217.4	220.2	221.6	225.7
27.5°	270.0	272.8	272.4	275.6	270.7	266.5	266.8	265.1	268.2	271.7	267.9
30°	290.9	293.3	291.9	288.1	289.8	290.9	297.5	296.5	295.1	287.4	283.9
32.5°	343.5	342.4	339.7	342.1	350.1	354.3	343.8	341.4	341.7	346.3	343.5
35°	366.1	366.1	366.8	377.6	380.4	372.8	372.4	374.5	379.0	370.7	365.8
37.5°	377.6	380.1	389.5	392.3	383.9	383.9	390.2	388.4	384.6	383.6	388.1
40°	394.7	404.8	407.9	399.6	399.9	405.8	399.6	395.0	398.2	408.6	409.0
42.5°	421.5	425.7	417.0	415.6	424.0	416.6	416.6	422.9	426.8	426.1	429.9
45°	447.7	440.0	434.8	442.4	437.2	431.3	445.2	446.6	446.6	450.4	456.0
47.5°	472.4	459.8	465.1	461.9	450.4	466.5	469.6	469.3	471.3	478.0	476.2
50°	509.0	500.3	498.5	482.5	492.2	498.5	498.2	502.3	506.2	504.1	519.4
52.5°	583.9	580.7	551.5	541.7	546.6	541.0	546.6	543.8	543.5	556.3	557.4
55°	746.2	728.4	677.2	675.1	648.7	626.7	634.0	627.1	630.2	638.6	644.5
57.5°	1117.9	1065.3	1051.0	1043.7	991.8	932.6	926.3	934.7	933.6	920.4	942.3
60°	1559.6	1522.7	1562.1	1533.5	1493.1	1473.6	1445.0	1444.0	1431.8	1421.7	1398.7
62.5°	1721.3	1768.0	1804.9	1806.3	1815.3	1805.2	1791.0	1773.9	1776.3	1748.1	1739.1
65°	1689.9	1758.9	1778.1	1815.7	1843.9	1882.9	1883.6	1889.9	1884.3	1862.0	1830.7
67.5°	1585.4	1618.5	1639.8	1684.4	1740.4	1792.0	1834.2	1840.4	1844.3	1831.4	1785.0
70°	1376.7	1390.7	1420.6	1465.6	1533.5	1584.7	1642.2	1648.1	1660.3	1646.7	1614.3
72.5°	1019.3	1015.1	1030.8	1061.8	1093.9	1129.4	1166.0	1168.4	1195.2	1168.4	1131.2
75°	473.8	461.6	451.5	449.7	453.6	464.0	463.0	449.0	445.2	413.5	390.9
77.5°	162.3	158.2	149.8	136.9	122.3	104.5	91.6	85.4	79.4	70.7	67.6
80°	143.2	152.6	151.5	141.4	124.4	104.2	85.0	75.6	67.6	54.3	49.1
82.5°	165.1	186.0	201.7	190.9	164.1	133.4	96.8	80.8	66.2	44.9	36.6
85°	79.1	78.0	85.7	72.8	69.0	50.5	38.0	32.0	29.3	24.0	22.3
87.5°	20.9	21.3	21.9	21.9	21.3	19.9	19.5	18.8	18.5	17.1	16.0
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: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	30.3	30.0	30.0	29.6	29.6	29.6	29.6	29.6	29.3	29.3	29.3
5°	32.4	32.4	32.0	31.0	30.3	30.3	30.0	30.0	29.6	29.6	29.6
7.5°	31.0	30.7	30.3	30.7	31.4	31.7	31.7	31.4	31.0	31.4	31.4
10°	54.0	50.2	49.1	48.8	48.1	48.1	47.7	47.0	46.0	45.6	45.6
12.5°	68.6	55.7	54.0	53.6	53.0	52.6	52.3	50.5	49.8	50.5	50.9
15°	91.3	86.4	75.9	76.3	76.6	76.3	76.3	75.6	74.6	73.5	73.5
17.5°	105.6	109.4	96.8	100.7	97.9	101.0	99.3	97.9	100.0	92.0	94.4
20°	146.0	146.0	140.4	132.0	133.1	134.5	136.2	135.9	134.1	131.0	129.6
22.5°	183.2	181.2	183.2	178.0	176.3	178.7	167.9	173.5	171.7	173.8	174.2
25°	227.5	228.2	220.9	214.6	209.4	210.1	214.2	213.2	208.0	209.7	214.9
27.5°	264.1	266.8	272.1	264.8	260.2	258.8	257.4	258.5	265.8	265.1	258.8
30°	287.4	283.6	282.5	286.0	291.9	287.4	293.3	284.3	281.5	290.2	289.8
32.5°	332.7	338.3	343.5	342.4	343.1	349.4	345.9	346.6	344.2	341.7	346.6
35°	371.7	372.1	368.6	373.5	372.1	373.8	378.3	378.7	380.1	379.4	379.7
37.5°	387.7	390.5	391.9	383.2	392.6	393.3	397.5	401.0	407.9	413.2	415.6
40°	413.5	411.8	408.6	418.0	409.3	414.9	425.0	431.6	439.3	449.7	453.2
42.5°	434.1	434.1	439.6	437.2	448.0	445.9	457.4	468.6	478.3	480.7	499.6
45°	456.4	466.8	467.9	473.4	480.4	493.3	494.3	503.4	514.2	527.8	534.0
47.5°	490.2	491.2	504.1	511.4	521.2	532.3	538.6	541.7	555.3	566.4	573.4
50°	518.4	536.1	543.8	555.6	568.5	574.1	583.9	591.5	596.8	604.1	608.6
52.5°	571.0	582.8	599.9	611.4	624.3	633.7	642.0	656.0	656.3	655.6	660.5
55°	658.8	683.1	710.0	718.7	743.4	755.3	769.9	778.3	790.8	778.3	781.4
57.5°	958.0	997.0	1018.6	1047.5	1070.2	1087.3	1091.4	1101.5	1119.7	1117.6	1106.1
60°	1424.5	1429.0	1446.1	1468.0	1466.6	1486.5	1473.9	1489.3	1462.1	1459.0	1430.7
62.5°	1722.7	1713.6	1711.9	1709.4	1701.4	1686.8	1668.0	1653.0	1629.0	1594.1	1570.1
65°	1792.0	1763.8	1744.6	1729.6	1700.0	1668.7	1643.6	1615.7	1595.9	1559.6	1523.4
67.5°	1738.0	1703.5	1669.0	1624.1	1591.7	1553.0	1515.7	1491.4	1454.8	1434.6	1375.7
70°	1576.7	1514.7	1456.9	1398.7	1370.5	1318.6	1283.7	1266.0	1229.4	1207.1	1163.5
72.5°	1101.5	1051.4	967.1	922.8	913.4	875.8	860.5	852.1	834.3	814.1	791.5
75°	372.1	355.0	333.7	290.9	302.7	286.0	275.2	290.9	285.0	285.3	274.2
77.5°	65.1	63.1	60.3	57.1	56.1	57.1	55.7	57.8	58.2	59.2	58.2
80°	46.7	44.2	42.5	41.1	40.1	40.4	39.4	39.7	39.4	39.7	39.4
82.5°	33.4	32.0	30.3	29.3	28.9	29.3	28.6	29.6	30.3	31.4	32.4
85°	20.9	20.6	19.5	19.2	19.2	18.8	19.2	20.6	21.9	23.7	24.7
87.5°	15.0	15.0	14.3	15.0	15.0	15.7	16.7	18.5	20.2	21.9	24.0
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: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	28.9	28.9	29.3	29.3
5°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	30.7	46.0
7.5°	31.0	31.0	31.0	30.7	30.7	30.7	31.0	31.4	31.0	43.9	30.0
10°	46.3	47.0	47.7	47.4	47.7	48.1	48.4	48.4	53.0	46.7	32.0
12.5°	51.2	51.2	51.6	51.2	50.9	55.7	65.8	65.8	66.2	51.6	51.2
15°	72.5	71.4	72.5	75.6	85.4	86.7	87.1	86.7	82.6	77.0	73.9
17.5°	87.1	82.9	87.4	95.5	86.7	86.4	81.2	77.3	78.7	96.1	99.6
20°	131.7	136.6	139.0	143.2	140.0	131.7	128.5	128.9	128.2	131.3	111.1
22.5°	172.1	178.4	177.7	175.9	171.0	176.3	178.4	165.1	162.7	173.1	179.4
25°	223.7	220.5	221.2	217.7	216.0	216.7	218.8	228.9	228.5	247.7	199.6
27.5°	267.2	271.4	268.6	268.9	275.2	271.0	278.0	278.0	292.3	270.7	267.5
30°	285.3	289.5	297.5	299.6	305.9	309.7	309.0	311.4	312.5	327.1	291.9
32.5°	356.0	351.9	358.1	367.5	371.0	374.1	383.9	382.9	377.3	362.3	333.4
35°	388.4	397.5	397.5	398.5	413.9	414.9	413.9	419.8	415.3	405.5	351.5
37.5°	420.5	424.0	435.1	436.9	434.4	445.9	446.3	443.1	447.7	429.9	384.9
40°	458.5	463.3	465.1	474.8	469.9	468.6	481.8	476.9	473.8	452.2	395.0
42.5°	501.6	500.3	503.0	503.7	509.0	503.4	503.0	513.8	505.5	470.6	394.0
45°	545.2	539.3	536.5	536.8	536.1	538.9	530.2	536.1	537.2	480.4	384.9
47.5°	572.7	580.4	573.4	567.5	563.7	564.0	561.2	547.6	558.4	483.5	370.7
50°	615.6	614.9	614.2	600.9	597.1	589.8	586.3	576.5	568.9	473.4	355.0
52.5°	663.6	662.2	664.0	652.5	637.9	628.8	618.4	609.3	591.5	463.3	337.6
55°	782.4	779.3	769.9	766.8	739.9	716.9	688.4	671.0	655.3	462.6	317.4
57.5°	1102.6	1088.3	1063.9	1045.1	994.6	946.2	901.6	850.7	815.5	501.3	302.0
60°	1398.0	1379.9	1348.5	1287.9	1235.3	1150.3	1069.5	1002.6	941.3	542.1	284.6
62.5°	1517.1	1479.2	1432.8	1372.9	1283.4	1201.2	1090.7	1013.4	936.1	518.0	240.4
65°	1487.5	1423.8	1367.0	1299.8	1214.1	1111.3	998.8	905.8	838.5	418.4	166.9
67.5°	1346.4	1287.9	1231.1	1152.1	1057.3	942.7	846.2	750.0	689.8	297.9	93.0
70°	1127.0	1082.4	1013.4	936.8	850.7	746.6	648.3	564.7	504.8	181.8	45.3
72.5°	774.8	736.8	707.9	642.7	555.6	461.6	406.2	341.1	305.2	93.0	30.0
75°	280.1	283.2	260.9	249.4	220.9	178.0	156.8	132.0	115.3	42.2	29.6
77.5°	65.1	64.1	67.6	69.3	64.4	58.9	53.0	48.8	45.6	33.1	31.4
80°	39.7	39.4	39.0	38.7	38.3	38.0	37.6	36.9	36.2	32.4	31.7
82.5°	33.1	33.4	33.4	33.4	33.8	33.8	34.1	34.1	33.8	32.4	32.0
85°	25.8	26.8	27.9	28.9	30.3	31.7	32.4	32.7	32.7	31.7	31.7
87.5°	25.8	27.2	28.9	31.0	33.1	34.8	36.2	36.9	36.9	32.0	31.4
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: P157123

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	30.0	30.0	30.0	30.0	30.0	30.0
2.5°	31.0	30.3	30.7	33.1	31.7	31.0
5°	46.7	36.2	30.3	30.0	29.6	29.3
7.5°	31.0	31.0	31.7	39.4	43.5	46.0
10°	34.8	49.8	52.3	51.2	51.6	50.9
12.5°	70.4	53.0	55.4	62.4	72.5	72.5
15°	76.3	93.0	75.6	76.3	75.2	75.2
17.5°	100.0	99.3	80.5	97.2	98.6	98.6
20°	126.5	114.6	119.1	104.5	102.8	102.4
22.5°	136.6	141.4	126.1	128.2	128.2	127.5
25°	181.8	159.2	148.8	132.4	147.0	143.9
27.5°	211.8	176.3	174.2	156.4	154.3	152.9
30°	251.2	220.9	186.0	178.0	177.7	176.3
32.5°	272.8	230.3	201.4	183.6	196.5	195.8
35°	297.2	240.0	213.2	200.0	190.9	189.5
37.5°	298.6	244.2	206.6	203.1	200.3	199.3
40°	302.4	235.8	205.9	202.8	200.0	198.9
42.5°	291.2	224.3	195.8	184.3	179.1	177.7
45°	275.9	206.6	174.9	162.0	155.7	154.3
47.5°	257.8	190.6	152.6	140.7	132.0	129.6
50°	239.0	169.7	130.6	116.4	108.0	105.2
52.5°	218.4	143.2	106.3	94.1	85.4	83.6
55°	193.7	115.3	82.9	74.6	69.3	67.9
57.5°	161.6	86.7	63.4	59.6	57.1	56.4
60°	124.0	61.0	47.7	48.8	47.7	48.4
62.5°	85.0	40.4	36.6	39.7	40.1	40.1
65°	49.5	29.3	29.6	33.4	33.8	34.1
67.5°	30.3	24.4	25.8	29.6	30.0	30.0
70°	25.4	22.6	24.0	27.9	28.2	28.2
72.5°	24.7	22.6	23.3	27.2	27.5	27.9
75°	25.1	22.3	23.3	27.2	26.8	26.5
77.5°	25.8	22.3	23.0	27.2	27.5	25.8
80°	25.4	21.6	21.9	28.9	27.9	23.7
82.5°	24.4	20.2	19.5	30.7	24.7	21.3
85°	22.6	18.1	16.0	33.4	24.4	15.3
87.5°	12.9	15.0	11.8	29.3	22.3	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)