

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: P179326

Luminaire Tested: **UTLD-F01-LED-E-U-T2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179326
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
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-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1219.6 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - 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



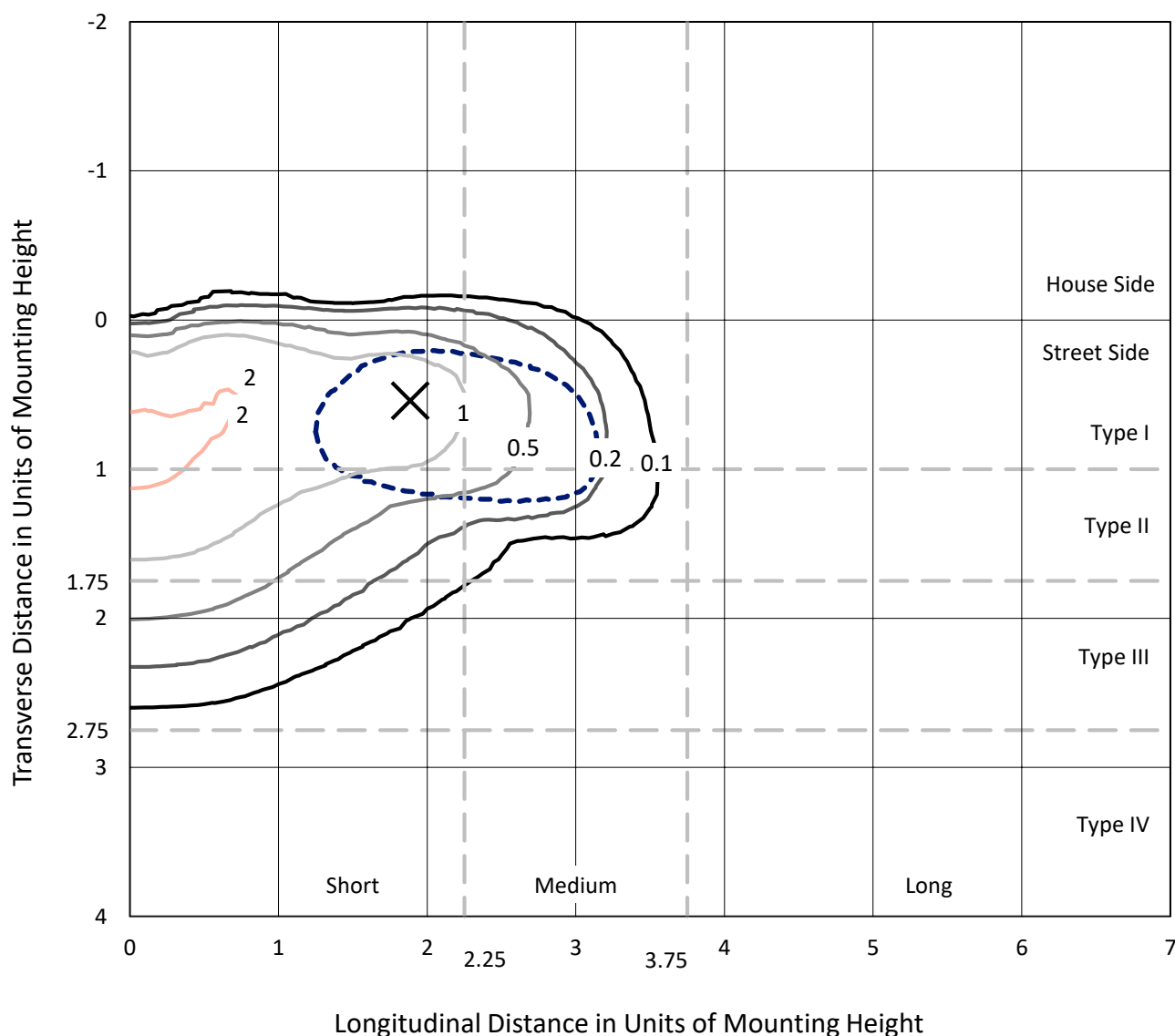
REPORT NUMBER: P179326

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

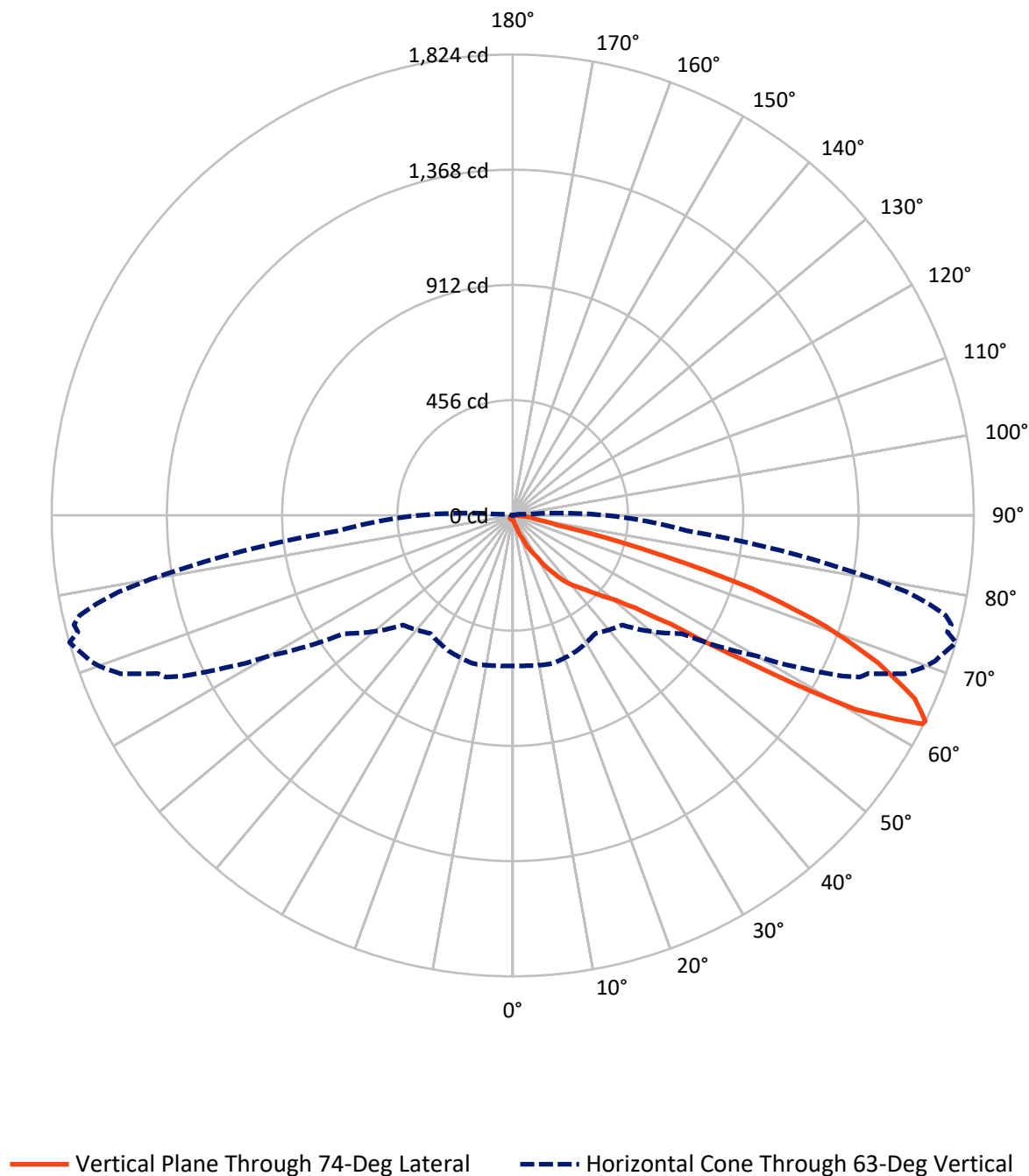


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P179326

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P179326

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

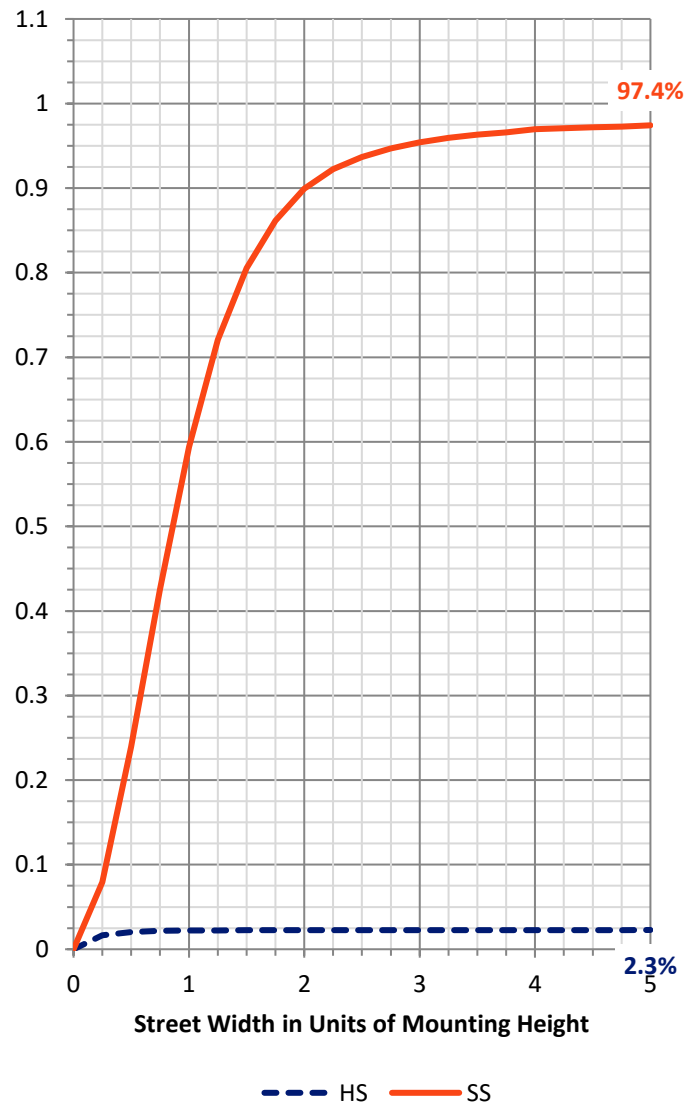
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.3	0.0	28.3
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1191.3	0.0	1191.3
	% Fixture	97.7	0.0	97.7
Total	Lumens	1219.6	0.0	1219.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.2
10°-20°	14.0	1.2
20°-30°	45.5	3.7
30°-40°	108.8	8.9
40°-50°	204.3	16.8
50°-60°	321.1	26.3
60°-70°	377.2	30.9
70°-80°	129.5	10.6
80°-90°	17.1	1.4
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°	1219.6	100.0
0°-180°	1219.6	100.0

Coefficient of Utilization



REPORT NUMBER: P179326

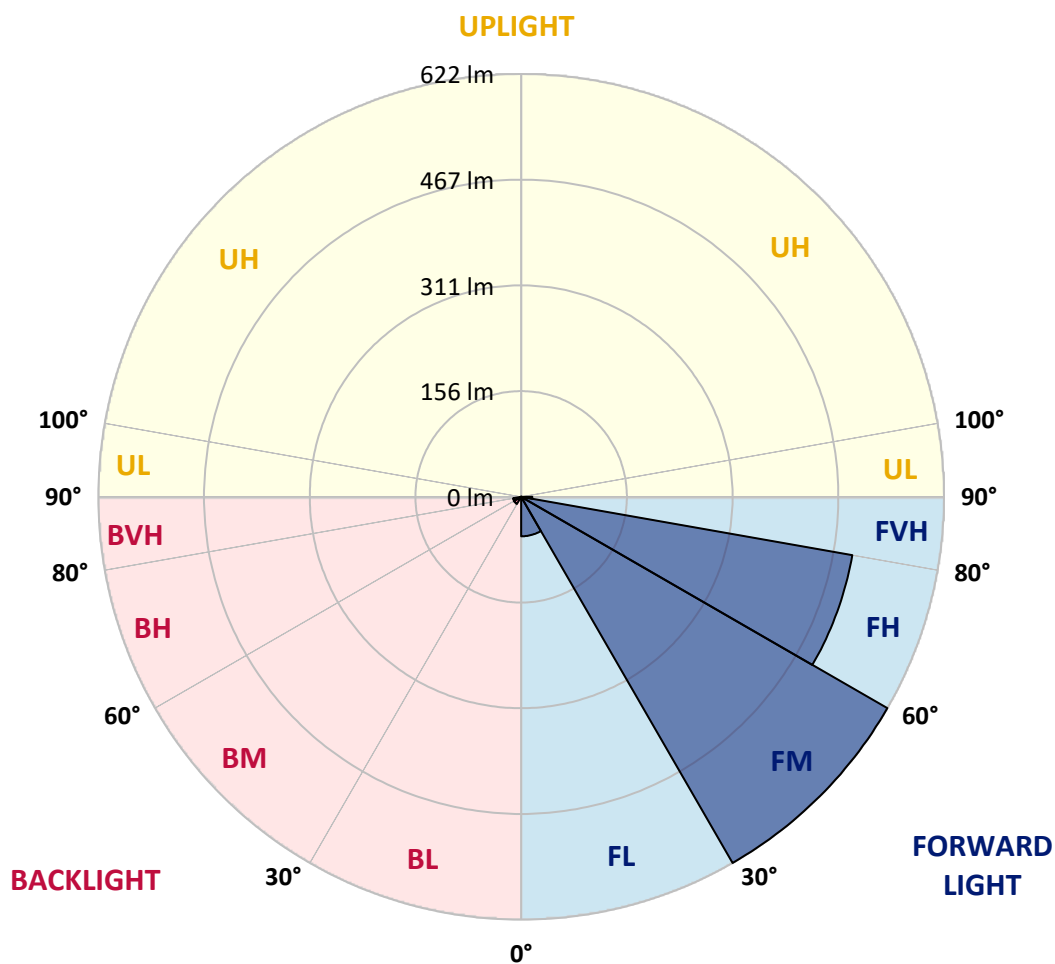
CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.1	4.8			
FM	(30°-60°)	622.1	51.0			
FH	(60°-80°)	494.7	40.6			G0/660
FVH	(80°-90°)	16.4	1.3			G1/100
BL	(0°-30°)	3.5	0.3	B0/110		
BM	(30°-60°)	12.1	1.0	B0/220		
BH	(60°-80°)	12.0	1.0	B0/110		G0/110
BVH	(80°-90°)	0.8	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 II Short





REPORT NUMBER: P179326

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
2.5°	23.3	22.9	22.0	21.2	20.8	19.9	19.5	18.6	18.6	18.2	18.6
5°	33.9	32.2	30.5	29.2	28.0	26.7	24.1	22.4	22.0	22.0	21.2
7.5°	64.0	61.4	59.7	57.2	52.5	39.8	29.6	27.5	27.1	26.7	25.8
10°	72.8	72.4	71.6	68.6	64.8	58.0	51.2	35.2	34.3	33.0	33.5
12.5°	104.6	103.3	104.2	98.7	90.6	74.1	67.3	60.1	58.4	57.2	52.5
15°	143.2	141.0	113.9	110.1	102.9	102.1	77.5	69.5	67.8	64.8	61.8
17.5°	151.6	152.9	150.8	141.9	126.2	113.1	110.5	88.1	85.6	84.3	80.9
20°	195.3	195.3	186.8	154.2	154.6	141.5	127.9	112.2	101.2	98.7	102.1
22.5°	201.6	202.5	199.9	202.5	166.0	167.3	168.6	159.3	155.4	150.8	144.8
25°	235.9	237.2	231.3	207.5	214.7	194.4	195.3	183.4	177.5	187.2	185.5
27.5°	268.1	268.9	235.1	234.6	227.0	234.2	244.4	233.8	230.8	226.6	218.5
30°	282.1	283.8	273.2	283.3	270.2	255.0	268.1	283.3	280.4	273.2	275.3
32.5°	342.6	343.5	337.6	304.9	304.1	304.5	324.0	313.4	309.6	301.1	302.4
35°	417.2	416.8	370.2	362.5	341.4	354.5	355.3	365.5	352.4	361.7	352.8
37.5°	476.9	474.4	443.9	435.8	407.9	396.4	404.5	397.3	388.4	396.0	393.0
40°	529.4	532.0	518.0	485.8	469.7	452.8	450.6	430.7	439.2	432.9	432.0
42.5°	570.9	575.2	566.7	535.8	513.3	510.4	501.5	476.9	490.5	478.6	480.3
45°	622.2	620.9	605.2	573.0	557.8	561.6	567.1	548.1	548.9	544.7	534.9
47.5°	670.9	670.5	660.7	615.4	596.3	606.1	637.8	633.6	617.9	624.3	601.8
50°	712.4	712.8	701.4	651.0	626.8	649.7	711.5	716.6	709.0	711.1	684.9
52.5°	726.8	727.6	722.6	671.3	646.3	681.0	771.3	797.5	805.1	807.3	778.5
55°	712.4	715.4	714.1	669.6	645.9	695.0	823.4	876.7	896.6	907.6	890.3
57.5°	685.3	687.8	692.9	665.0	641.7	699.7	869.5	985.1	1020.7	1043.6	1049.5
60°	653.5	656.5	671.7	659.9	635.3	691.6	894.1	1083.0	1146.5	1196.9	1276.5
62.5°	610.3	613.3	626.0	614.1	587.9	635.3	839.0	1110.1	1198.6	1270.6	1418.9
63°	595.5	597.2	606.9	593.4	569.7	613.3	815.3	1111.8	1205.8	1281.2	1448.9
65°	468.4	471.8	482.8	468.4	463.4	507.0	680.2	1057.2	1186.8	1268.5	1474.8
67.5°	255.8	260.1	276.6	270.2	299.4	348.6	451.1	771.7	949.1	1065.2	1300.3
70°	185.9	185.9	199.9	204.1	218.5	256.7	297.7	392.2	495.5	630.6	930.9
72.5°	135.1	138.1	149.9	161.8	182.5	228.7	293.5	227.9	234.6	276.6	490.0
75°	67.3	73.3	86.4	100.4	122.0	174.1	310.9	236.3	214.7	209.2	250.3
77.5°	15.7	16.1	26.3	51.7	62.3	100.0	246.1	288.9	260.1	246.1	220.2
80°	8.0	8.5	10.6	25.8	28.4	36.0	129.2	304.9	308.3	299.9	247.3
82.5°	4.2	4.2	6.4	11.0	11.0	12.7	36.8	185.5	257.1	291.8	285.5
85°	1.7	1.7	3.8	5.5	5.9	5.5	10.2	72.8	128.8	167.3	224.1
87.5°	0.4	0.4	1.3	2.1	2.5	3.0	4.7	13.6	22.4	30.9	51.7
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: P179326

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
2.5°	18.2	18.2	18.2	17.8	17.8	17.8	17.8	17.4	17.4	17.4	16.1
5°	20.8	20.8	20.3	19.9	19.9	19.5	19.5	19.5	19.1	19.1	18.6
7.5°	25.4	25.0	24.6	23.7	23.3	22.9	22.9	22.0	21.6	21.2	20.8
10°	33.5	33.0	31.8	30.9	30.1	29.2	28.4	28.0	27.1	26.7	25.8
12.5°	45.7	39.8	38.5	37.3	35.6	34.3	33.5	32.6	32.2	30.9	31.3
15°	66.1	64.8	63.5	62.7	60.6	51.2	47.4	46.6	44.9	43.6	41.9
17.5°	80.0	78.8	75.8	71.2	70.3	68.6	66.5	64.4	54.2	49.1	47.4
20°	103.8	101.6	104.6	103.8	100.4	97.0	93.2	91.1	88.5	83.9	76.2
22.5°	130.0	130.0	126.2	123.7	119.4	113.9	113.5	108.8	100.0	96.6	95.3
25°	185.5	188.1	180.4	170.7	169.8	164.8	152.5	146.1	141.9	137.2	135.1
27.5°	220.2	212.2	205.0	204.6	199.5	183.8	177.0	173.7	175.8	164.8	158.0
30°	266.4	260.5	258.8	251.2	241.8	230.4	228.3	223.6	211.8	196.1	187.2
32.5°	298.2	301.1	306.6	298.2	287.2	284.2	282.9	270.2	254.1	243.5	233.4
35°	357.9	353.7	345.6	332.5	329.1	329.1	319.8	300.7	289.3	282.5	280.0
37.5°	392.2	385.8	374.0	367.6	369.3	366.4	344.8	334.2	329.1	327.4	310.9
40°	429.0	416.8	406.2	407.9	411.7	390.5	378.6	372.7	374.4	360.9	340.1
42.5°	470.6	454.5	449.0	458.7	438.8	423.1	413.8	417.2	410.0	390.5	376.9
45°	518.4	502.3	505.7	502.7	478.2	463.8	465.0	457.8	444.3	429.5	416.3
47.5°	575.6	567.5	577.7	548.1	526.9	522.2	519.3	504.9	487.1	475.2	462.9
50°	660.3	664.5	655.2	620.1	600.6	599.3	582.4	561.2	546.8	526.9	507.8
52.5°	773.0	785.2	757.3	729.3	717.5	708.6	680.6	656.5	632.3	608.2	579.8
55°	894.5	918.7	887.3	874.6	870.8	876.3	843.3	818.7	789.1	755.6	720.9
57.5°	1097.8	1104.2	1083.4	1101.2	1115.2	1117.3	1125.8	1107.6	1096.1	1086.4	1052.5
60°	1358.7	1369.7	1389.2	1451.9	1477.3	1513.3	1522.2	1545.9	1551.0	1559.5	1531.9
62.5°	1497.6	1521.8	1584.0	1657.7	1689.9	1724.2	1751.8	1773.4	1790.3	1817.8	1770.0
63°	1514.1	1538.7	1604.4	1673.4	1707.3	1742.4	1768.3	1785.2	1804.7	1824.2	1780.6
65°	1511.6	1538.7	1622.1	1659.0	1695.4	1714.9	1738.2	1739.5	1775.5	1747.9	1743.3
67.5°	1340.5	1412.1	1470.5	1510.3	1541.3	1556.5	1566.2	1578.1	1602.2	1559.0	1583.2
70°	1051.6	1143.1	1195.2	1244.4	1284.2	1295.6	1304.1	1341.3	1308.3	1312.1	1305.3
72.5°	598.5	740.3	828.9	881.8	947.5	959.3	979.2	1010.6	968.2	989.8	970.7
75°	321.0	376.5	453.6	507.8	534.1	559.5	584.1	565.4	553.6	527.7	522.6
77.5°	231.3	237.2	243.5	238.9	232.1	230.4	219.8	199.5	194.0	177.9	169.8
80°	231.7	209.7	184.2	152.1	118.2	102.9	96.6	94.4	94.4	94.4	88.9
82.5°	262.2	234.6	202.0	161.8	125.4	98.7	81.7	79.2	77.5	77.5	72.4
85°	213.0	210.1	186.4	149.1	116.9	88.5	68.6	55.9	51.2	45.7	43.6
87.5°	51.7	53.8	47.0	41.1	34.3	27.1	23.7	19.1	16.1	14.8	14.0
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: P179326

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
2.5°	16.1	15.7	15.2	15.2	14.8	12.7	11.0	9.7	8.9	8.5	8.0
5°	18.6	18.2	18.2	17.8	17.8	14.4	9.7	8.5	7.6	6.8	6.8
7.5°	20.3	19.9	19.9	19.5	19.1	17.4	9.7	8.0	6.4	6.8	3.4
10°	25.4	25.0	24.1	23.7	23.3	22.0	11.9	8.5	7.6	3.0	2.5
12.5°	30.9	29.6	28.8	28.0	26.3	22.4	11.9	8.9	4.7	3.8	4.2
15°	39.8	38.1	36.4	35.2	33.9	29.2	15.7	11.0	5.1	4.7	4.7
17.5°	45.3	43.2	41.5	41.1	40.2	29.2	15.2	7.6	5.9	5.9	4.7
20°	69.5	69.0	65.2	60.6	56.3	43.2	20.8	9.7	8.0	5.9	5.9
22.5°	91.1	80.0	74.5	67.8	64.0	51.7	21.2	10.6	9.3	7.2	5.5
25°	124.5	112.7	106.3	97.0	93.6	64.8	23.3	13.6	10.6	7.6	6.4
27.5°	151.6	143.2	139.3	134.7	123.2	80.5	27.1	14.4	10.6	8.5	6.4
30°	176.6	177.0	165.6	151.2	139.8	96.1	28.8	15.7	11.0	8.0	6.4
32.5°	232.1	218.5	199.1	186.4	174.5	110.5	31.3	16.9	10.6	8.0	6.4
35°	264.3	243.5	232.5	221.1	205.8	131.7	34.3	16.5	10.6	7.6	5.9
37.5°	290.5	274.9	263.9	247.3	231.3	147.8	36.0	15.2	10.2	7.2	5.1
40°	323.6	312.6	292.7	278.3	261.7	154.6	37.3	14.0	9.3	6.4	4.2
42.5°	362.1	346.0	327.4	313.8	285.9	175.8	41.1	13.1	8.5	5.5	3.8
45°	402.4	381.6	369.7	341.4	308.8	191.0	44.0	12.7	7.6	4.7	3.0
47.5°	440.1	427.3	401.5	365.5	350.7	214.7	43.2	11.9	6.8	3.8	2.1
50°	492.2	474.8	439.6	419.3	395.2	233.8	41.9	11.4	5.9	3.4	1.7
52.5°	565.0	528.2	500.6	477.3	436.7	260.5	41.1	10.6	5.1	2.5	0.8
55°	682.7	625.1	591.3	547.6	503.2	291.8	39.0	9.3	4.7	2.1	0.8
57.5°	968.2	905.9	833.1	750.1	670.9	365.1	38.1	8.5	3.8	1.3	0.4
60°	1474.3	1433.7	1326.5	1192.3	1080.0	513.8	41.1	7.2	3.0	0.8	0.4
62.5°	1769.5	1732.3	1656.0	1559.0	1408.3	669.6	46.2	5.9	2.1	0.8	0.4
63°	1788.6	1758.5	1683.6	1588.3	1452.3	691.2	48.7	5.9	2.1	0.8	0.4
65°	1753.0	1726.8	1684.8	1610.7	1522.2	753.9	56.3	5.5	1.7	0.8	0.4
67.5°	1574.3	1546.3	1517.5	1486.6	1423.5	774.2	61.8	5.1	1.3	0.8	0.4
70°	1302.0	1276.5	1245.2	1231.6	1197.3	723.8	64.8	4.7	1.3	0.8	0.4
72.5°	950.4	921.2	895.8	858.9	826.3	547.6	47.9	4.7	0.8	0.8	0.4
75°	482.8	452.3	393.5	365.9	337.6	229.6	19.5	3.8	0.8	0.8	0.4
77.5°	141.0	126.6	102.5	83.0	63.1	41.1	7.2	2.5	0.8	0.8	0.4
80°	83.4	70.7	58.4	46.2	37.3	19.9	4.2	1.7	0.8	1.3	0.4
82.5°	68.2	61.0	50.4	41.5	32.6	14.8	3.0	1.7	1.3	1.3	0.4
85°	39.4	35.6	30.1	24.1	20.3	10.6	2.1	1.7	1.3	1.7	0.4
87.5°	14.4	13.1	12.3	11.9	11.0	7.6	2.1	2.1	1.7	2.1	0.4
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: P179326

CATALOG NUMBER: UTLD-F01-LED-E-U-T2-HSS-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	11.9	11.9	11.9	11.9	11.9
2.5°	7.6	8.0	8.0	8.0	8.0
5°	7.2	7.2	6.4	5.1	5.1
7.5°	3.0	3.4	3.4	3.4	3.4
10°	2.5	4.2	4.7	4.7	4.7
12.5°	3.8	3.8	4.2	4.2	4.7
15°	3.8	4.7	5.1	5.1	5.1
17.5°	5.1	4.2	4.7	4.7	5.1
20°	4.7	5.1	5.1	5.1	5.1
22.5°	5.5	5.1	4.7	5.1	5.1
25°	5.1	5.1	4.7	4.7	4.7
27.5°	5.1	4.7	4.7	4.7	4.7
30°	5.1	4.7	4.2	4.2	4.2
32.5°	4.7	4.2	4.2	3.8	3.8
35°	4.2	3.4	3.8	3.8	3.8
37.5°	3.8	3.0	3.0	3.4	3.0
40°	3.0	2.5	2.1	2.5	2.5
42.5°	2.1	1.7	1.7	1.7	1.7
45°	1.7	0.8	0.8	0.8	0.8
47.5°	0.8	0.4	0.4	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.0
52.5°	0.4	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.8	0.8	0.8	0.4	0.4
80°	1.3	0.8	0.8	0.4	0.4
82.5°	1.3	1.3	1.3	0.8	0.4
85°	1.7	1.3	1.3	1.3	0.4
87.5°	2.1	1.7	1.7	1.3	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)