

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: P179231

Luminaire Tested: **UTLD-E01-LED-E-U-SL2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179231
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34324)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-SL2-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1666.5 lumens
Efficiency: N/A
Efficacy: 67.5 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): 24.7
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

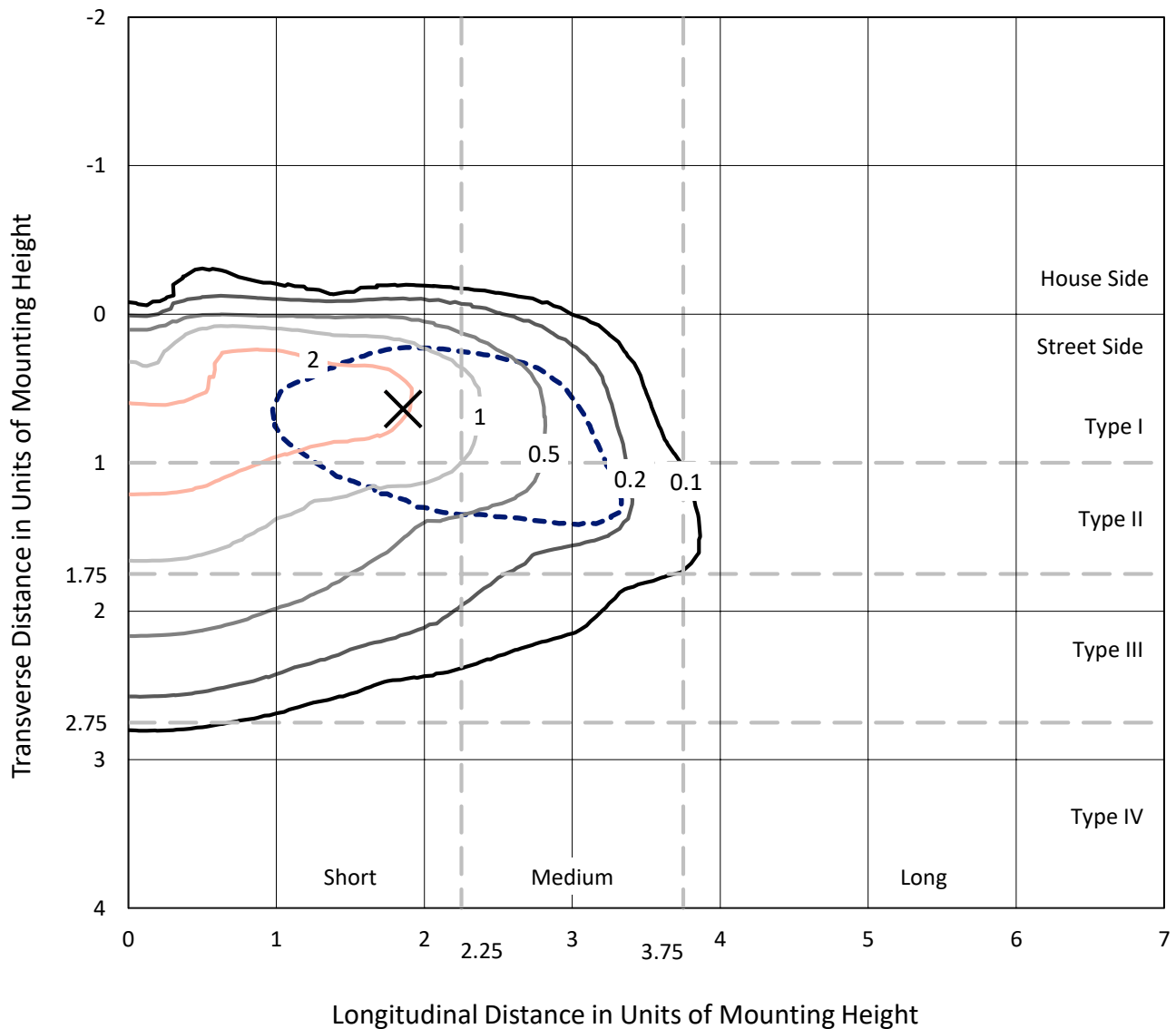


REPORT NUMBER: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

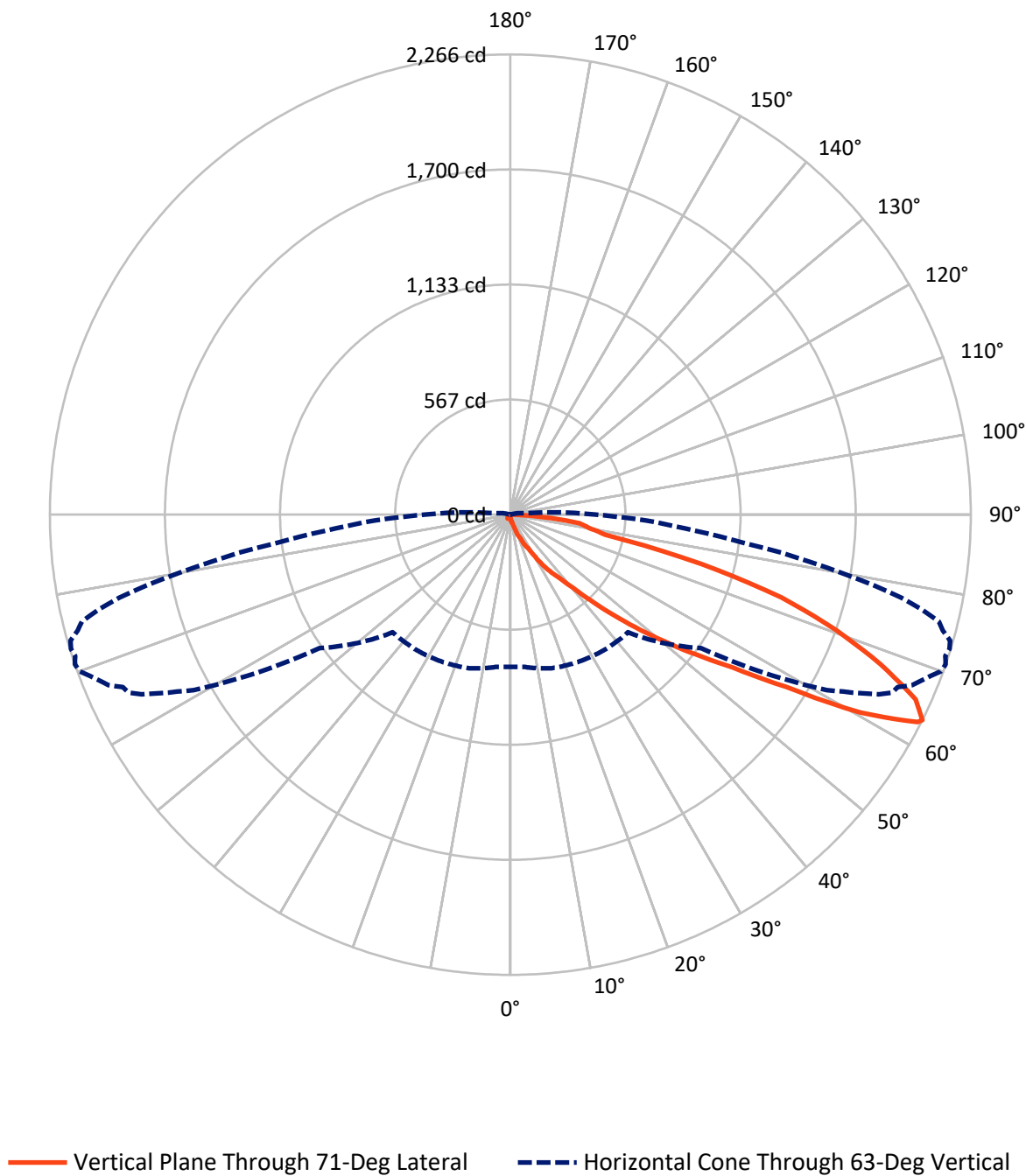


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

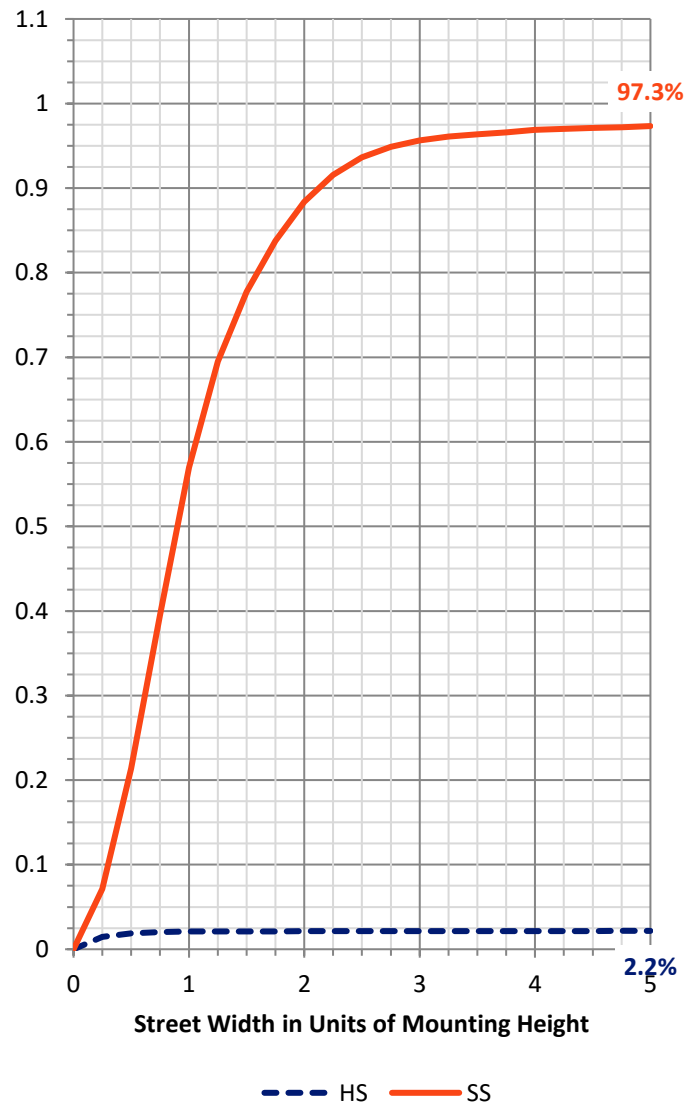
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.9	0.0	36.9
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1629.5	0.0	1629.5
	% Fixture	97.8	0.0	97.8
Total	Lumens	1666.5	0.0	1666.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	13.2	0.8
20°-30°	40.5	2.4
30°-40°	124.6	7.5
40°-50°	296.1	17.8
50°-60°	427.9	25.7
60°-70°	529.5	31.8
70°-80°	201.0	12.1
80°-90°	31.4	1.9
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°	1666.5	100.0
0°-180°	1666.5	100.0

Coefficient of Utilization



REPORT NUMBER: P179231

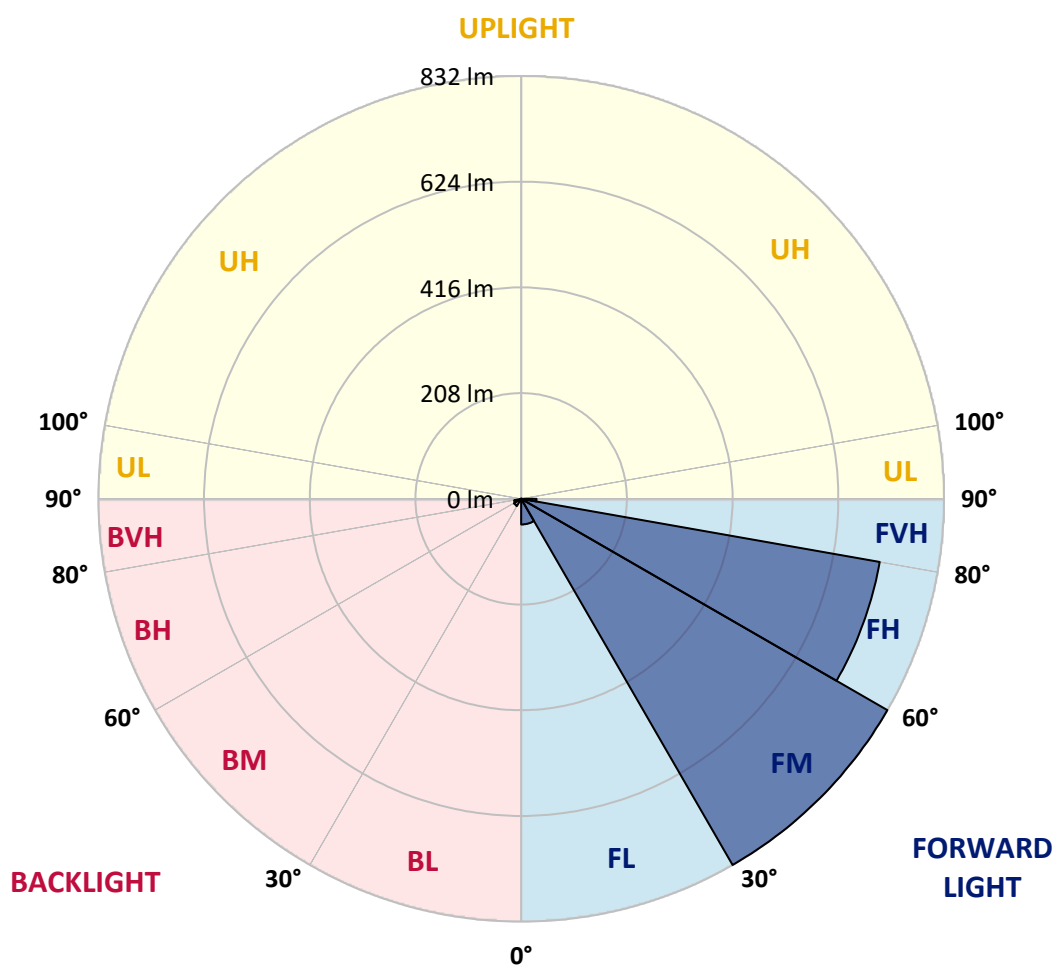
CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.5	3.0			
FM	(30°-60°)	832.2	49.9			
FH	(60°-80°)	716.6	43.0			G1/1800
FVH	(80°-90°)	30.2	1.8			G1/100
BL	(0°-30°)	5.5	0.3	B0/110		
BM	(30°-60°)	16.4	1.0	B0/220		
BH	(60°-80°)	13.9	0.8	B0/110		G0/110
BVH	(80°-90°)	1.1	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 II Short





REPORT NUMBER: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	31.8	31.3	30.3	30.3	29.8	29.8	29.2	28.7	28.7	28.7	28.2
5°	37.5	36.9	35.4	33.9	33.9	32.8	30.8	30.3	29.8	29.2	29.2
7.5°	61.1	60.5	59.5	58.0	55.4	38.0	33.9	33.3	32.8	32.3	31.8
10°	68.2	68.2	67.7	65.7	63.1	59.0	53.9	39.0	38.0	38.5	40.0
12.5°	91.8	89.3	90.8	88.2	74.4	69.8	71.3	66.2	65.2	64.6	50.3
15°	98.0	95.4	90.8	91.3	93.4	99.0	80.5	75.9	73.4	71.8	71.8
17.5°	107.7	107.7	108.3	108.3	104.1	106.2	104.7	92.9	92.3	90.3	89.8
20°	132.4	131.3	117.0	110.3	121.6	124.2	124.7	107.2	103.6	103.1	106.2
22.5°	140.1	139.0	136.5	139.0	124.7	140.1	161.1	160.6	156.5	154.4	141.6
25°	178.5	177.0	167.8	143.7	153.4	153.9	174.4	176.0	175.0	178.5	189.3
27.5°	206.2	208.3	187.3	171.9	161.6	183.7	222.2	226.8	226.8	221.6	222.2
30°	262.7	261.7	238.6	199.6	195.0	197.5	244.7	260.6	274.0	265.8	275.0
32.5°	377.6	372.5	337.1	265.8	233.4	244.2	293.5	312.4	309.4	304.8	313.0
35°	543.8	540.2	467.4	399.2	335.5	310.4	346.8	378.6	372.0	386.8	392.5
37.5°	660.8	651.6	620.3	551.5	489.5	447.9	463.3	451.0	449.4	459.7	458.7
40°	747.0	747.5	736.7	680.8	635.7	612.6	614.6	569.0	565.9	569.5	562.3
42.5°	789.1	792.7	801.4	773.7	755.2	757.8	778.3	739.8	738.3	729.0	701.3
45°	814.7	819.3	846.0	855.3	849.6	875.3	931.2	899.9	902.5	910.7	871.2
47.5°	817.8	824.5	859.4	887.1	909.6	961.5	1047.1	1054.3	1062.0	1068.7	1039.4
50°	787.5	790.1	834.2	874.2	907.6	1005.1	1135.4	1180.0	1193.9	1193.9	1169.2
52.5°	732.6	736.2	778.3	821.9	853.7	1003.0	1192.3	1273.4	1304.2	1305.2	1269.8
55°	709.0	713.1	745.0	783.4	799.3	953.3	1227.2	1358.1	1390.4	1396.0	1375.0
57.5°	709.0	713.7	739.3	761.9	770.1	895.3	1248.3	1457.1	1493.5	1528.4	1527.4
60°	740.8	746.0	766.5	765.0	757.3	854.2	1239.0	1578.2	1637.2	1695.6	1762.8
62.5°	759.3	761.9	790.1	798.3	796.8	824.0	1166.7	1668.4	1759.8	1844.9	1990.6
63°	749.1	752.1	783.4	798.3	811.6	819.3	1146.7	1678.2	1781.3	1856.7	2018.3
65°	693.6	694.2	727.5	746.0	836.3	818.8	1039.4	1659.2	1785.4	1860.3	2040.4
67.5°	549.5	552.6	575.6	606.9	690.6	831.1	893.2	1441.7	1569.4	1629.5	1830.1
70°	289.4	302.2	321.2	362.7	477.1	706.0	747.5	1062.0	1185.7	1274.9	1505.3
72.5°	87.7	81.6	106.2	155.5	242.7	488.4	655.7	750.1	821.4	910.2	1155.4
75°	39.5	40.5	46.2	66.2	106.2	262.2	573.1	616.2	625.9	656.2	805.0
77.5°	22.6	23.1	27.2	37.5	55.4	130.8	434.0	552.6	544.9	555.6	582.8
80°	14.9	15.4	19.5	26.7	30.8	64.1	246.3	431.0	456.1	483.8	503.8
82.5°	8.2	8.2	12.3	21.5	20.0	30.8	97.0	282.2	327.3	356.1	416.1
85°	3.6	4.1	7.2	14.4	12.3	14.4	46.7	95.9	109.8	115.4	143.7
87.5°	1.0	1.0	2.1	5.1	5.1	6.7	13.9	43.1	45.7	49.3	60.0
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: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	28.2	28.2	27.2	26.7	25.1	25.1	24.1	24.6	23.1	22.6	21.5
5°	28.7	28.7	28.7	28.7	28.2	28.2	28.2	28.2	28.2	28.2	27.7
7.5°	31.3	31.3	31.3	31.3	30.8	30.3	29.2	29.2	28.7	28.7	28.7
10°	40.0	39.5	38.5	38.0	37.5	36.9	35.9	36.4	35.4	35.9	34.9
12.5°	47.7	46.7	45.1	43.6	43.1	42.6	41.6	41.0	40.5	41.6	41.0
15°	74.4	73.9	74.4	71.8	58.5	58.0	58.5	57.5	56.4	54.9	52.8
17.5°	88.8	87.2	82.1	80.0	80.5	79.0	74.9	66.7	62.1	60.0	59.0
20°	113.9	114.4	115.4	115.4	113.4	110.8	108.3	107.7	104.7	93.9	89.8
22.5°	136.5	136.5	133.9	131.3	128.3	128.8	125.2	117.0	114.4	111.3	109.8
25°	196.0	192.9	185.7	183.2	180.6	173.9	165.2	160.6	159.0	157.0	150.3
27.5°	221.6	217.5	216.0	212.9	203.7	192.9	189.3	186.8	189.3	177.0	168.3
30°	268.3	267.8	266.3	259.6	248.3	239.6	240.1	237.5	220.6	207.8	199.6
32.5°	316.0	312.4	324.8	312.4	302.2	305.8	301.2	285.3	273.5	260.1	258.6
35°	390.9	390.9	380.7	367.3	368.9	371.5	349.4	333.0	325.3	319.6	308.3
37.5°	459.7	456.6	437.6	430.5	438.7	424.3	399.7	388.9	386.3	376.6	358.6
40°	553.1	534.6	520.2	518.7	517.7	484.3	470.5	471.5	458.2	438.7	418.1
42.5°	681.3	651.6	640.8	641.8	604.9	578.2	573.1	560.3	542.8	520.7	502.3
45°	829.1	800.4	800.9	768.6	721.9	698.8	693.6	673.6	652.1	626.4	599.8
47.5°	989.7	969.2	979.4	914.8	873.7	860.4	827.6	796.3	771.1	739.8	706.5
50°	1134.4	1145.1	1122.6	1066.1	1036.4	1018.4	979.9	940.9	908.6	860.9	815.8
52.5°	1269.8	1290.3	1254.9	1203.1	1207.2	1172.8	1143.1	1103.6	1060.5	1004.0	956.3
55°	1405.3	1409.9	1380.6	1363.7	1362.7	1340.6	1327.3	1299.0	1241.1	1184.1	1162.6
57.5°	1576.1	1570.5	1549.9	1576.6	1578.7	1585.8	1600.2	1571.0	1553.5	1512.0	1478.6
60°	1822.9	1818.3	1827.5	1906.0	1921.9	1969.6	1979.9	1980.9	1966.0	1979.4	1898.3
62.5°	2040.9	2059.4	2119.4	2155.8	2193.3	2239.5	2249.7	2230.8	2240.5	2241.5	2178.4
63°	2072.7	2087.1	2149.2	2180.5	2216.4	2254.9	2266.2	2251.8	2260.5	2251.8	2204.1
65°	2086.6	2093.3	2166.1	2157.9	2203.6	2220.5	2191.8	2186.1	2218.4	2172.3	2163.5
67.5°	1881.9	1922.4	1971.1	1971.1	2006.5	2003.0	1964.5	1972.7	1973.2	1955.2	1950.6
70°	1573.5	1655.6	1665.9	1702.8	1727.4	1705.9	1697.7	1703.3	1660.2	1670.0	1626.9
72.5°	1251.8	1340.1	1356.5	1425.3	1432.4	1383.7	1395.5	1361.6	1314.4	1285.2	1225.7
75°	911.2	967.1	1015.8	1035.3	1035.9	989.7	969.7	891.7	822.4	739.3	717.2
77.5°	636.2	630.0	648.5	637.7	565.4	542.3	477.1	439.2	403.8	342.2	308.3
80°	514.1	508.4	517.2	494.1	462.8	436.6	389.9	355.0	315.5	288.8	247.8
82.5°	438.7	461.7	467.4	434.6	418.7	396.6	342.7	304.8	266.3	231.9	199.6
85°	167.3	199.6	197.0	205.2	205.7	194.4	171.4	136.0	107.7	87.2	70.8
87.5°	64.6	72.3	67.7	67.2	67.7	62.1	52.8	46.7	39.5	31.8	26.7
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: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	21.0	20.0	20.0	19.0	19.0	18.5	18.5	18.0	18.0	17.4	17.4
5°	27.7	27.7	27.2	26.2	23.6	22.6	20.5	19.0	18.5	18.0	17.4
7.5°	28.7	28.7	28.2	28.2	27.7	27.2	26.7	25.1	22.6	20.5	19.0
10°	34.9	33.9	34.4	35.4	34.9	34.9	34.4	33.9	32.8	31.8	25.7
12.5°	40.5	40.0	39.0	36.9	35.9	35.4	35.4	34.9	34.4	33.9	32.8
15°	51.3	49.8	49.3	47.7	46.7	45.1	45.7	45.1	44.1	42.1	37.5
17.5°	56.9	55.9	54.4	54.9	53.9	50.8	45.7	44.1	42.6	41.0	39.5
20°	88.2	86.7	83.6	78.5	72.3	69.3	66.7	64.1	64.6	64.1	60.0
22.5°	103.1	93.9	88.2	84.1	82.6	82.6	80.5	81.6	74.9	72.9	64.1
25°	138.5	131.9	124.7	120.6	118.5	113.9	105.2	99.0	92.3	90.3	83.6
27.5°	165.7	159.6	159.6	152.9	141.6	132.9	124.2	119.0	110.8	105.2	98.0
30°	199.6	191.9	182.1	169.8	159.0	150.8	144.7	132.4	124.7	117.0	102.6
32.5°	249.3	235.0	222.7	211.4	201.6	185.2	175.5	165.2	149.3	132.9	125.7
35°	295.5	277.6	263.7	251.9	231.9	220.6	205.7	182.6	165.7	157.5	141.1
37.5°	340.7	323.7	310.4	287.3	269.4	250.4	225.7	208.8	193.9	173.4	150.8
40°	399.7	380.7	353.5	333.5	309.9	278.1	259.6	239.1	213.9	188.8	169.8
42.5°	477.1	446.9	424.8	399.7	356.6	336.0	310.9	274.5	242.7	220.1	188.8
45°	570.5	539.2	515.6	466.4	435.1	403.8	365.8	323.2	291.4	256.0	229.3
47.5°	669.5	648.0	597.7	548.5	517.7	471.0	427.4	383.3	339.1	307.8	259.6
50°	793.2	738.8	683.4	648.0	598.2	545.9	494.6	438.7	400.2	352.0	305.3
52.5°	916.8	841.9	801.9	749.6	681.8	621.8	562.3	507.9	453.5	401.7	346.3
55°	1083.6	1008.7	948.6	873.2	796.3	727.5	665.9	598.7	539.2	472.5	412.0
57.5°	1388.3	1305.7	1219.5	1106.7	1012.8	929.7	846.5	767.0	678.3	606.4	533.1
60°	1843.9	1757.2	1638.7	1506.8	1361.6	1232.4	1113.8	994.8	885.0	796.8	683.4
62.5°	2143.5	2054.3	1944.5	1788.0	1634.6	1463.2	1315.5	1150.3	1027.6	900.9	796.3
63°	2173.3	2078.4	1968.1	1819.8	1657.7	1497.1	1347.3	1167.2	1041.5	914.3	806.0
65°	2127.6	2068.6	1966.0	1841.9	1716.2	1559.7	1396.0	1219.0	1076.9	947.6	820.9
67.5°	1901.4	1874.2	1807.5	1739.8	1627.4	1518.6	1368.8	1212.9	1062.0	939.4	822.4
70°	1610.5	1573.0	1520.7	1493.5	1416.0	1323.7	1220.6	1098.4	989.7	869.1	762.9
72.5°	1203.6	1129.7	1087.7	1042.0	992.8	928.1	868.1	799.3	711.1	647.0	540.2
75°	630.0	547.9	492.0	426.3	373.5	319.6	290.9	271.4	241.6	208.8	184.7
77.5°	255.5	213.4	172.4	146.7	110.3	88.2	75.4	66.7	61.6	54.9	50.8
80°	214.5	171.4	138.0	104.7	77.0	55.9	41.6	32.3	27.7	24.1	22.1
82.5°	173.4	148.8	123.6	97.5	74.9	60.5	44.6	31.8	23.1	18.5	15.9
85°	55.4	48.7	38.0	31.8	26.2	22.1	18.5	14.9	13.3	12.3	11.3
87.5°	23.1	18.0	16.4	14.9	14.4	13.9	13.9	12.8	11.8	10.3	9.2
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: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
2.5°	16.9	16.9	16.4	16.9	15.9	14.9	14.4	13.9	13.3	13.3	13.3
5°	17.4	16.9	16.4	15.9	14.4	13.3	12.3	11.3	12.8	11.3	7.7
7.5°	18.0	17.4	16.4	15.9	14.4	12.8	11.8	7.2	4.6	4.6	5.1
10°	24.1	22.6	22.1	20.5	19.0	13.9	8.7	4.6	4.1	6.2	7.2
12.5°	26.2	24.6	23.1	21.5	18.0	14.9	7.2	6.2	7.7	6.2	6.7
15°	35.4	30.3	28.7	27.2	24.1	17.4	8.2	8.2	7.7	6.7	7.7
17.5°	39.0	33.3	31.8	30.8	23.6	11.3	9.2	9.7	7.7	8.7	7.2
20°	56.4	50.3	45.7	43.6	31.8	16.4	12.8	9.2	9.7	7.7	8.7
22.5°	64.6	60.0	55.4	54.4	35.9	18.0	14.9	12.8	9.2	9.2	8.2
25°	80.0	73.9	66.2	59.5	38.0	22.6	18.0	12.8	10.8	8.7	8.2
27.5°	90.8	80.5	73.9	69.8	41.0	23.6	17.4	14.4	10.8	8.2	7.2
30°	94.9	89.3	80.0	69.8	41.6	24.6	18.5	13.9	10.8	8.2	7.7
32.5°	115.9	103.1	89.8	82.1	44.6	26.2	18.0	13.9	10.3	7.7	7.2
35°	124.2	111.8	97.5	86.7	46.7	25.1	17.4	12.3	9.2	7.2	5.6
37.5°	137.5	119.5	105.7	92.3	47.2	23.6	15.9	11.8	8.2	6.2	5.1
40°	147.2	132.4	111.8	97.0	47.2	22.1	14.9	10.3	7.2	5.1	4.1
42.5°	170.3	144.2	123.6	106.2	48.2	20.0	13.3	8.7	6.2	3.6	3.1
45°	195.0	169.8	142.6	121.6	49.3	18.5	11.8	7.7	4.6	2.6	1.5
47.5°	229.8	197.0	166.2	139.6	49.8	16.9	10.8	6.7	3.6	1.5	1.0
50°	263.2	227.8	190.3	163.2	50.8	15.4	9.2	5.6	2.6	1.0	0.5
52.5°	302.2	258.6	220.6	182.1	51.3	14.4	8.2	4.6	1.5	0.5	0.0
55°	357.6	311.4	258.1	217.5	52.3	12.8	6.7	3.6	1.0	0.5	0.0
57.5°	467.9	405.3	339.6	281.2	57.5	11.3	5.6	2.6	0.5	0.5	0.0
60°	602.3	532.5	445.8	361.2	67.7	9.7	4.6	1.5	0.5	0.0	0.0
62.5°	699.8	610.0	506.9	415.6	74.9	8.2	4.1	1.0	0.5	0.5	0.0
63°	715.7	618.7	511.5	419.2	75.4	8.2	3.6	1.0	0.5	0.0	0.0
65°	727.5	627.0	517.7	424.8	77.0	7.2	3.1	1.0	0.5	0.5	0.0
67.5°	717.8	609.0	502.8	414.0	78.0	6.2	2.6	1.0	0.5	0.5	0.5
70°	651.1	554.1	461.2	378.1	72.3	5.1	2.1	1.0	0.5	0.5	0.5
72.5°	467.9	417.1	331.9	272.9	55.4	4.6	2.1	1.5	0.5	1.0	1.0
75°	157.5	141.1	117.5	104.1	32.3	3.1	1.5	1.5	0.5	1.0	1.0
77.5°	45.1	42.1	36.4	33.3	16.4	2.6	1.5	1.5	0.5	1.5	1.5
80°	19.5	18.0	15.9	13.9	7.2	2.1	1.5	2.1	0.5	2.1	1.5
82.5°	14.4	12.8	11.3	9.2	4.1	2.1	2.1	2.6	0.5	2.1	2.1
85°	10.3	9.2	7.7	6.7	3.1	2.1	2.1	2.6	1.0	2.6	2.6
87.5°	8.2	7.2	6.2	4.6	3.1	2.1	2.1	3.1	1.0	3.1	2.6
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: P179231

CATALOG NUMBER: UTLD-E01-LED-E-U-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	16.9	16.9	16.9
2.5°	13.3	13.9	13.9
5°	6.7	7.2	7.2
7.5°	5.6	6.2	6.2
10°	7.7	7.7	7.7
12.5°	7.2	7.7	7.7
15°	8.2	8.7	8.7
17.5°	7.2	9.2	9.7
20°	8.2	8.2	8.2
22.5°	8.2	8.7	8.7
25°	7.7	7.7	7.7
27.5°	7.7	7.7	7.7
30°	6.7	7.7	7.7
32.5°	6.7	6.7	6.7
35°	6.2	6.2	6.2
37.5°	5.1	5.6	5.6
40°	4.1	4.1	4.1
42.5°	2.6	2.6	2.6
45°	1.5	1.5	1.5
47.5°	1.0	1.0	1.0
50°	0.5	0.5	0.5
52.5°	0.5	0.5	0.5
55°	0.0	0.5	0.5
57.5°	0.0	0.0	0.5
60°	0.0	0.0	0.5
62.5°	0.0	0.0	0.5
63°	0.0	0.0	0.5
65°	0.5	0.0	0.5
67.5°	0.5	0.5	0.5
70°	0.5	0.5	0.5
72.5°	1.0	0.5	1.0
75°	1.0	1.0	1.0
77.5°	1.5	1.0	1.0
80°	1.5	1.5	1.0
82.5°	2.1	1.5	0.5
85°	2.1	2.1	1.0
87.5°	2.6	2.6	1.0
90°	0.0	0.0	0.0

(END OF REPORT)