

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: P157128

Luminaire Tested: **UTLD-E02-LED-E-U-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157128
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-E02-LED-E-U-T2-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4520.1 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 52.1
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

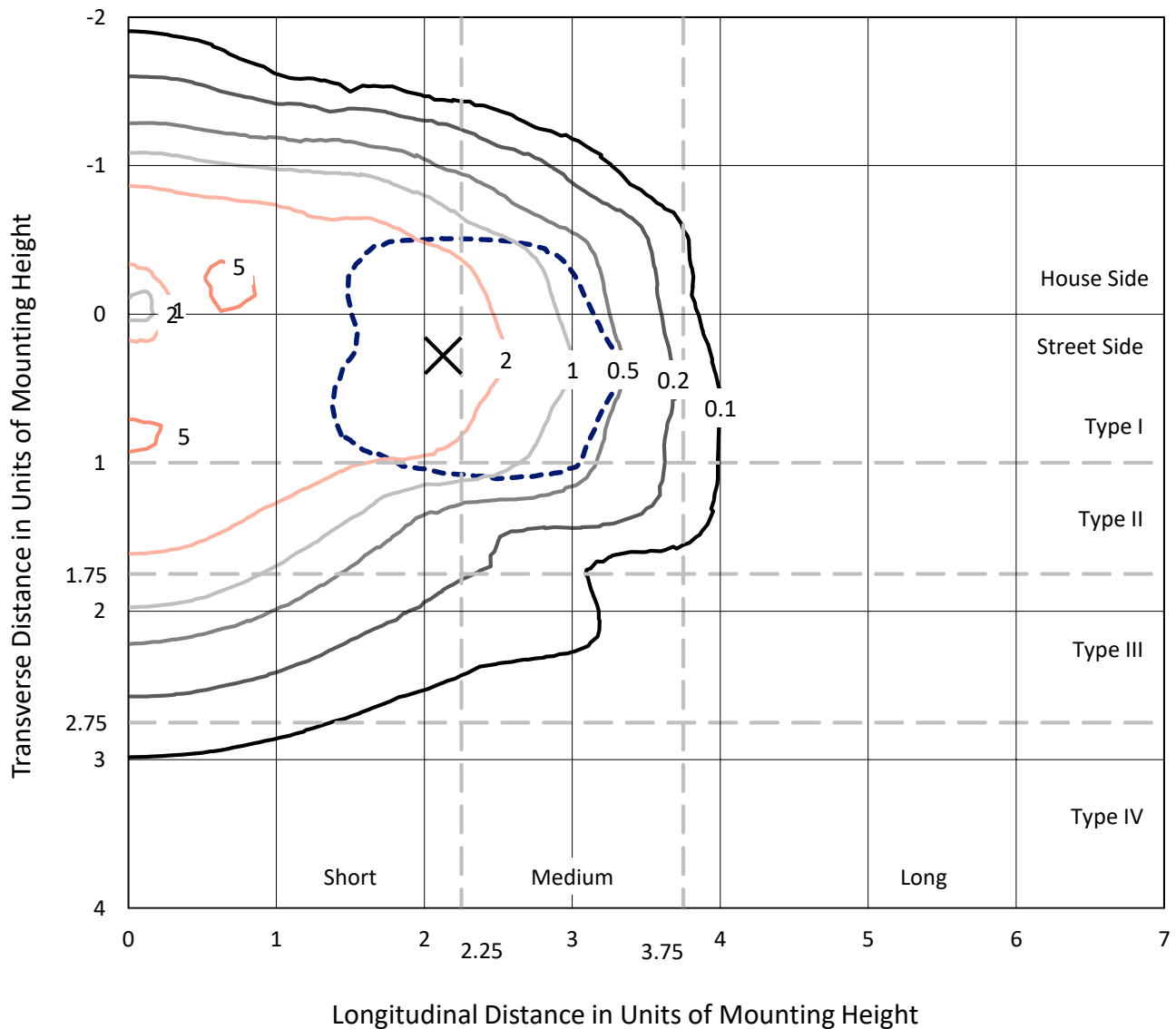


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

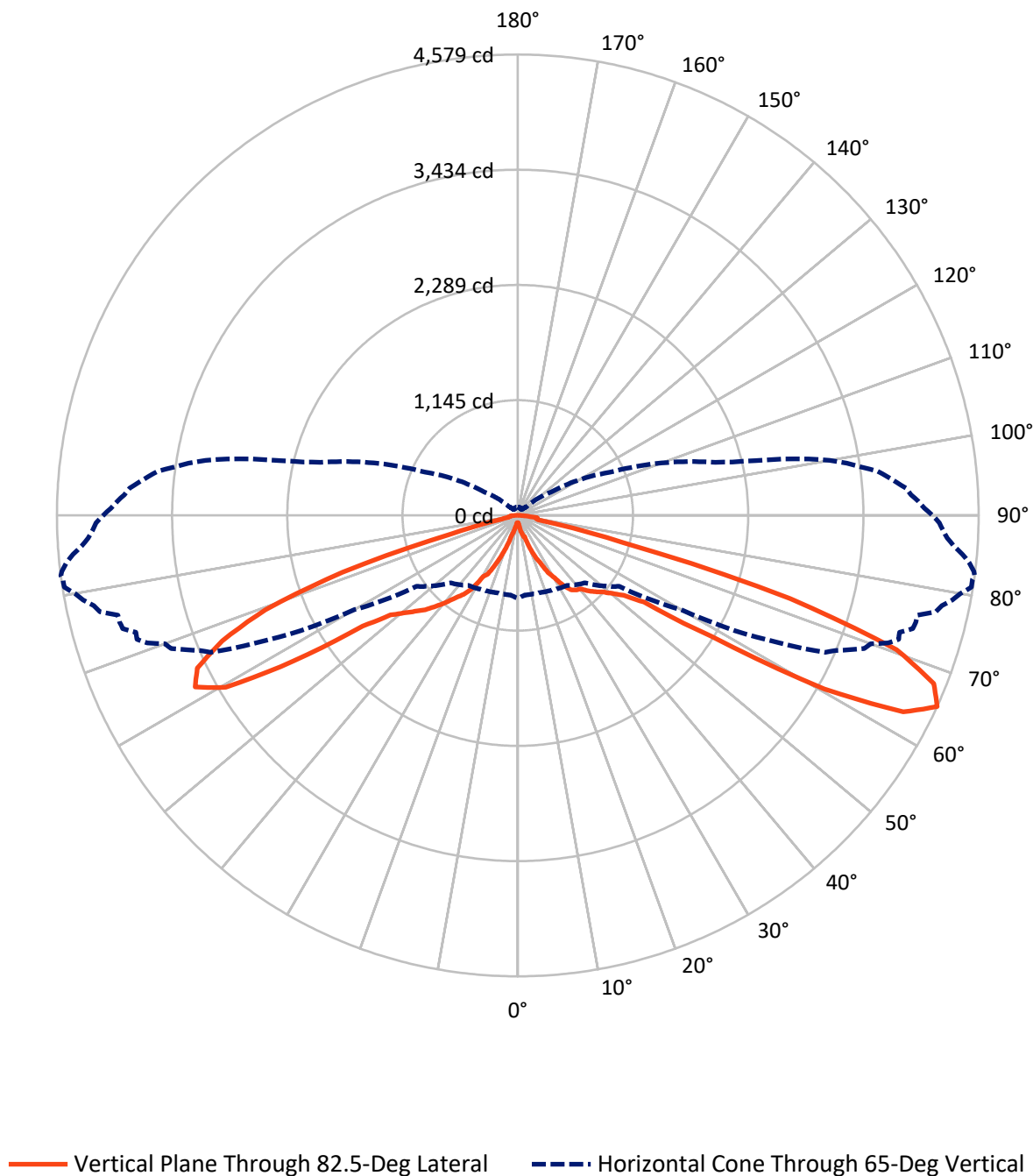


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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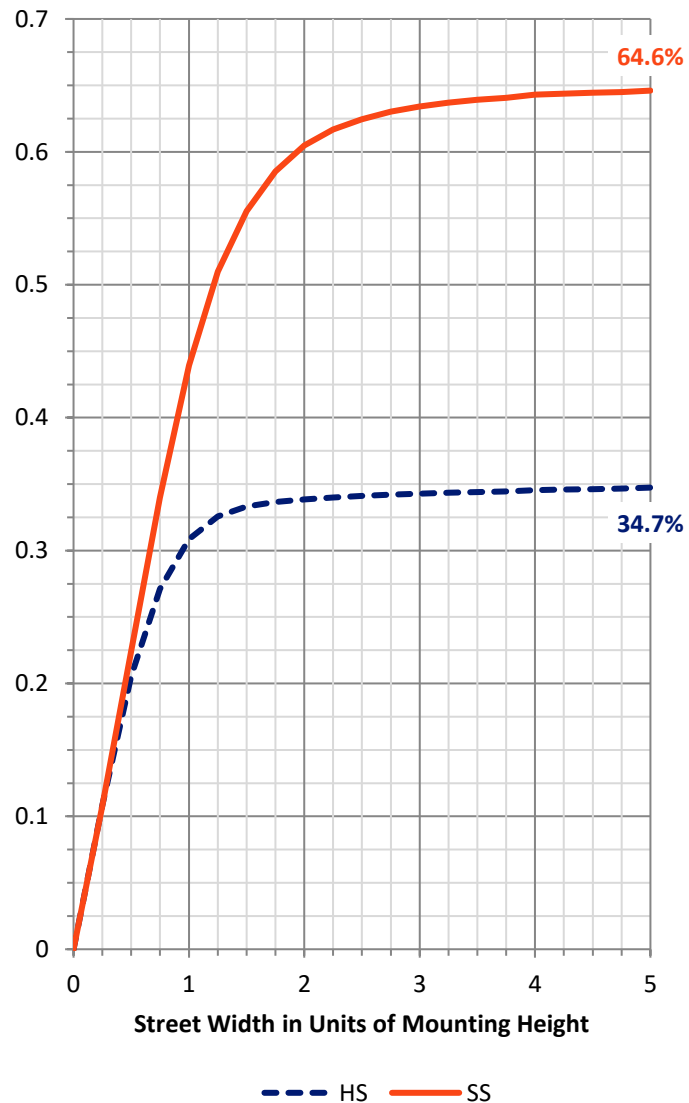
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1592.9	0.0	1592.9
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	2927.2	0.0	2927.2
	% Fixture	64.8	0.0	64.8
Total	Lumens	4520.1	0.0	4520.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	66.7	1.5
20°-30°	223.4	4.9
30°-40°	493.0	10.9
40°-50°	779.2	17.2
50°-60°	1105.3	24.5
60°-70°	1315.1	29.1
70°-80°	444.7	9.8
80°-90°	82.5	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°	4520.1	100.0
0°-180°	4520.1	100.0

Coefficient of Utilization



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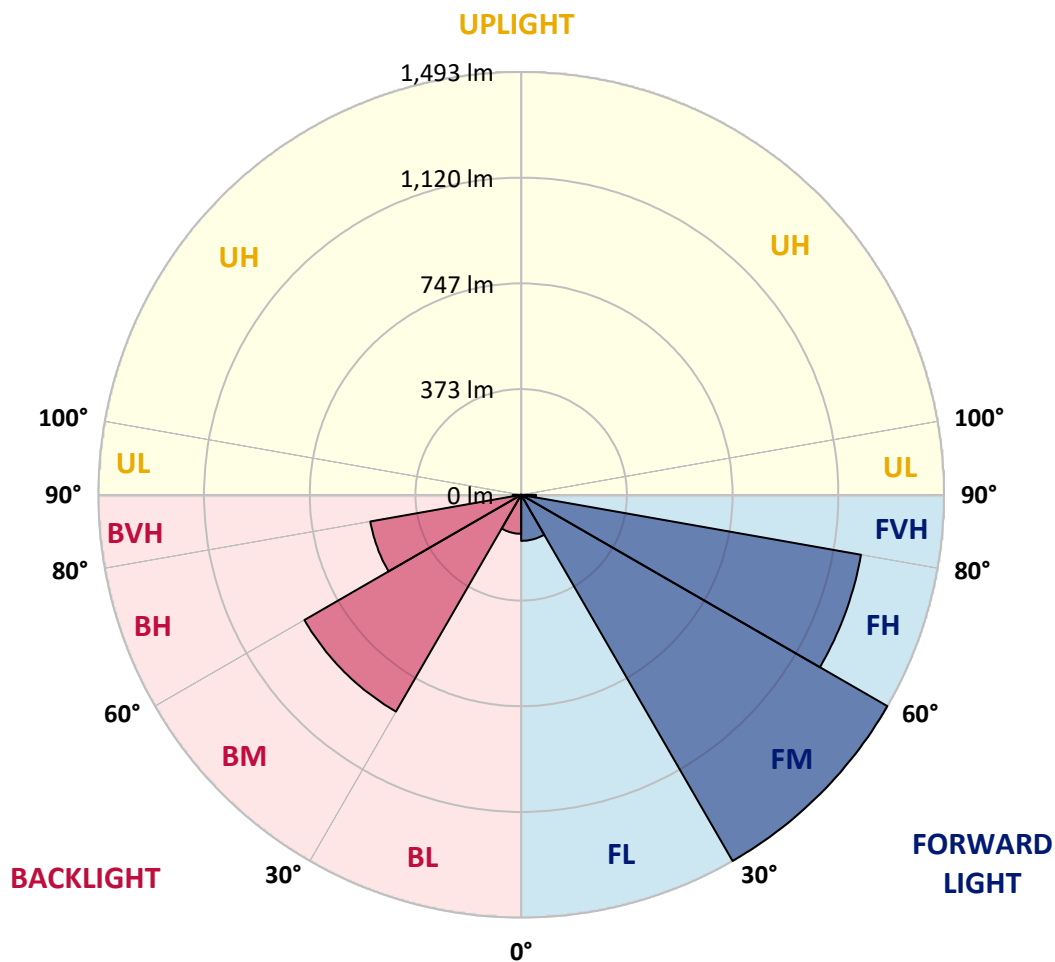
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.6	3.6			
FM	(30°-60°)	1493.5	33.0			
FH	(60°-80°)	1218.8	27.0			G1/1800
FVH	(80°-90°)	52.3	1.2			G1/100
BL	(0°-30°)	137.7	3.0	B1/500		
BM	(30°-60°)	884.0	19.6	B1/1000		
BH	(60°-80°)	541.0	12.0	B2/1000		G2/1000
BVH	(80°-90°)	30.2	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°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	103.0	103.0	103.0	108.0	120.7	120.7	119.8	120.7	119.0	117.3	114.8
5°	107.2	109.7	108.0	107.2	105.5	104.7	103.8	103.0	103.0	104.7	108.9
7.5°	163.7	164.6	163.7	165.4	160.4	115.6	108.0	107.2	109.7	110.6	108.9
10°	195.0	182.3	178.1	174.7	170.5	162.9	162.0	157.8	156.1	155.3	151.1
12.5°	249.0	249.0	247.3	236.3	225.3	219.4	224.5	212.7	211.0	205.9	190.7
15°	328.3	327.5	271.8	259.1	291.2	276.8	233.8	247.3	260.8	259.1	259.9
17.5°	351.1	351.1	346.9	333.4	314.0	294.6	316.5	276.8	276.0	276.8	281.0
20°	435.5	435.5	418.6	389.1	371.4	351.9	339.3	370.5	360.4	352.8	346.9
22.5°	438.9	438.9	427.1	449.8	418.6	400.1	433.8	440.6	449.0	449.8	440.6
25°	507.2	508.1	496.3	462.5	467.6	458.3	476.9	522.4	522.4	514.8	536.8
27.5°	579.0	579.8	506.4	520.7	503.9	537.6	587.4	610.2	593.3	599.2	600.9
30°	612.7	613.6	609.4	604.3	584.0	597.5	622.9	644.0	654.9	695.4	682.8
32.5°	756.2	757.1	730.1	667.6	679.4	704.7	715.7	720.8	733.4	740.2	740.2
35°	926.7	924.2	875.2	820.4	784.9	779.8	793.4	836.4	858.3	837.2	846.5
37.5°	1063.4	1051.6	996.8	961.3	923.3	913.2	924.2	918.3	920.0	892.9	892.9
40°	1158.0	1158.8	1128.4	1098.0	1040.6	1058.4	1028.0	1019.5	996.8	991.7	969.7
42.5°	1257.5	1261.8	1222.9	1185.0	1130.9	1179.1	1152.0	1139.4	1088.7	1103.1	1075.2
45°	1361.4	1364.7	1320.0	1267.7	1220.4	1293.8	1287.9	1266.8	1240.7	1243.2	1213.7
47.5°	1438.2	1444.9	1394.3	1332.7	1300.6	1387.5	1417.1	1415.4	1412.0	1388.4	1376.5
50°	1482.9	1487.1	1431.4	1385.8	1346.2	1457.6	1550.4	1565.6	1592.6	1546.2	1577.4
52.5°	1497.2	1499.8	1444.1	1394.3	1356.3	1496.4	1651.7	1735.2	1754.7	1746.2	1795.2
55°	1457.6	1460.9	1419.6	1374.9	1341.1	1502.3	1732.7	1895.6	1907.4	1931.9	2029.8
57.5°	1392.6	1390.9	1382.5	1335.2	1331.8	1497.2	1800.2	2099.8	2106.6	2225.6	2401.2
60°	1309.0	1312.4	1308.2	1283.7	1298.9	1443.2	1785.9	2214.6	2293.1	2476.3	2753.9
62.5°	1178.2	1184.1	1166.4	1132.6	1144.5	1256.7	1617.1	2161.5	2344.6	2582.6	2920.2
65°	823.7	794.2	795.9	816.1	850.7	947.0	1228.9	1872.0	2160.6	2438.3	2883.1
67.5°	474.3	482.8	481.9	502.2	544.4	620.3	785.8	1253.3	1514.1	1836.5	2395.2
70°	364.6	364.6	376.4	403.4	429.6	517.4	564.6	678.6	798.4	1015.3	1533.5
72.5°	274.3	273.5	284.4	309.7	362.1	473.5	660.8	469.3	485.3	527.5	829.6
75°	159.5	155.3	159.5	177.2	221.1	353.6	668.4	522.4	498.8	468.4	521.6
77.5°	82.7	82.7	86.9	91.2	113.1	181.5	481.9	638.1	617.8	566.3	531.7
80°	47.3	49.0	52.3	52.3	54.9	75.1	209.3	624.6	689.5	705.6	692.1
82.5°	23.6	27.0	37.1	37.1	36.3	38.0	78.5	366.3	498.8	618.6	833.9
85°	13.5	14.3	24.5	27.0	26.2	22.8	36.3	163.7	219.4	319.0	476.9
87.5°	5.1	7.6	11.8	13.5	15.2	11.8	21.1	46.4	62.5	86.1	105.5
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°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	114.8	110.6	112.3	108.0	100.4	97.1	96.2	95.4	94.5	89.5	89.5
5°	112.3	113.1	115.6	116.5	116.5	117.3	119.0	118.2	119.0	117.3	116.5
7.5°	107.2	104.7	102.1	100.4	100.4	100.4	100.4	101.3	104.7	109.7	112.3
10°	150.2	150.2	151.1	149.4	151.9	151.1	151.1	150.2	150.2	151.1	151.1
12.5°	167.1	162.0	161.2	159.5	160.4	159.5	160.4	164.6	163.7	164.6	162.9
15°	265.0	264.2	263.3	259.1	245.6	233.8	231.3	229.6	220.3	216.9	215.2
17.5°	280.2	276.0	280.2	278.5	274.3	270.1	266.7	259.9	240.5	240.5	238.0
20°	352.8	362.9	366.3	384.9	382.3	389.1	389.1	386.5	387.4	384.9	374.7
22.5°	428.7	418.6	412.7	422.0	423.7	419.5	428.7	427.1	448.2	438.0	466.7
25°	539.3	561.3	574.8	562.1	556.2	558.7	566.3	557.0	562.1	558.7	560.4
27.5°	601.8	612.7	605.1	604.3	607.7	610.2	599.2	599.2	598.4	619.5	639.7
30°	700.5	691.2	691.2	696.3	703.9	703.9	694.6	692.1	701.4	692.9	703.0
32.5°	737.6	732.6	750.3	808.5	811.1	799.3	800.1	811.1	811.9	823.7	825.4
35°	836.4	850.7	860.9	863.4	853.3	852.4	863.4	869.3	881.1	882.0	892.1
37.5°	903.1	909.0	909.8	906.4	891.3	901.4	907.3	914.9	914.9	923.3	919.1
40°	977.3	979.9	979.0	952.0	947.8	959.6	963.0	960.5	959.6	961.3	957.9
42.5°	1074.4	1069.3	1044.0	1023.8	1028.0	1028.0	1022.9	1011.1	1017.0	1004.3	998.4
45°	1201.0	1188.3	1147.8	1130.1	1130.9	1114.9	1095.5	1093.0	1076.9	1061.7	1076.1
47.5°	1372.3	1332.7	1293.0	1277.0	1260.1	1234.8	1201.8	1189.2	1164.7	1151.2	1152.9
50°	1577.4	1518.3	1492.2	1495.6	1461.8	1414.5	1387.5	1348.7	1304.0	1299.7	1281.2
52.5°	1779.1	1747.1	1754.7	1752.1	1710.8	1666.9	1643.3	1612.9	1563.9	1542.0	1489.6
55°	1987.6	2003.6	2048.4	2046.7	2026.4	2020.5	2008.7	1982.5	1990.1	1934.4	1869.4
57.5°	2386.0	2466.1	2573.3	2614.7	2610.5	2627.3	2668.7	2713.4	2748.0	2704.1	2710.9
60°	2862.8	3031.6	3191.1	3262.0	3381.9	3437.6	3530.4	3651.1	3733.0	3672.2	3776.9
62.5°	3105.9	3348.1	3469.6	3552.4	3711.0	3790.4	3911.9	4048.6	4082.4	4128.8	4245.3
65°	3131.2	3343.9	3431.7	3560.8	3687.4	3730.4	3891.6	3979.4	3966.8	4082.4	4095.0
67.5°	2751.4	2932.9	3072.1	3262.0	3358.2	3457.8	3591.2	3608.1	3661.2	3754.9	3689.1
70°	1954.7	2248.4	2436.6	2656.0	2808.0	2968.3	3094.9	3105.9	3192.0	3221.5	3187.8
72.5°	1057.5	1344.5	1570.7	1840.7	2018.8	2202.0	2316.8	2383.4	2417.2	2372.5	2456.9
75°	595.9	713.2	859.2	999.3	1140.2	1210.3	1263.5	1288.8	1233.1	1216.2	1214.5
77.5°	503.9	498.0	509.8	484.5	491.2	473.5	476.9	433.8	404.3	425.4	423.7
80°	618.6	562.9	498.0	410.2	351.1	298.8	269.2	260.8	271.8	300.5	320.7
82.5°	822.0	811.9	704.7	592.5	498.0	398.4	322.4	278.5	283.6	303.0	340.1
85°	564.6	589.1	522.4	489.5	402.6	337.6	278.5	223.7	205.1	195.8	186.5
87.5°	113.9	99.6	89.5	84.4	73.4	65.0	58.2	53.2	54.0	50.6	49.8
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°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	84.4	80.2	81.0	78.5	76.8	76.0	78.5	78.5	77.6	76.8	73.4
5°	114.8	113.9	110.6	106.3	101.3	92.0	86.9	82.7	80.2	79.3	77.6
7.5°	113.9	113.1	112.3	112.3	112.3	111.4	111.4	108.9	106.3	98.7	81.9
10°	151.1	155.3	164.6	169.6	169.6	168.8	163.7	162.9	162.0	161.2	154.5
12.5°	162.9	158.7	158.7	159.5	165.4	171.3	174.7	173.0	173.0	173.0	170.5
15°	214.4	214.4	213.5	213.5	213.5	215.2	214.4	219.4	222.8	221.1	222.0
17.5°	238.0	241.4	239.7	239.7	234.6	225.3	243.1	222.0	221.1	249.0	272.6
20°	360.4	359.5	354.5	352.8	349.4	347.7	350.3	351.1	351.9	351.1	356.2
22.5°	464.2	449.8	438.9	436.3	447.3	451.5	446.5	447.3	443.9	444.8	437.2
25°	564.6	552.0	564.6	551.1	541.8	532.6	531.7	526.7	533.4	536.8	546.9
27.5°	654.1	660.8	660.0	667.6	655.8	645.7	646.5	642.3	649.9	658.3	649.0
30°	704.7	710.6	707.3	698.0	702.2	704.7	720.8	718.2	714.9	696.3	687.9
32.5°	832.2	829.6	822.9	828.8	848.2	858.3	833.0	827.1	828.0	838.9	832.2
35°	887.0	887.0	888.7	914.9	921.6	903.1	902.2	907.3	918.3	898.0	886.2
37.5°	914.9	920.8	943.6	950.3	930.1	930.1	945.3	941.0	931.8	929.2	940.2
40°	956.2	980.7	988.3	968.1	968.9	983.2	968.1	957.1	964.7	990.0	990.8
42.5°	1021.2	1031.4	1010.3	1006.9	1027.1	1009.4	1009.4	1024.6	1033.9	1032.2	1041.5
45°	1084.5	1066.0	1053.3	1071.9	1059.2	1044.9	1078.6	1082.0	1082.0	1091.3	1104.8
47.5°	1144.5	1114.1	1126.7	1119.1	1091.3	1130.1	1137.7	1136.9	1141.9	1158.0	1153.7
50°	1233.1	1212.0	1207.8	1168.9	1192.6	1207.8	1206.9	1217.0	1226.3	1221.3	1258.4
52.5°	1414.5	1406.9	1336.0	1312.4	1324.2	1310.7	1324.2	1317.5	1316.6	1347.9	1350.4
55°	1807.8	1764.8	1640.7	1635.7	1571.5	1518.3	1536.1	1519.2	1526.8	1547.0	1561.4
57.5°	2708.4	2580.9	2546.3	2528.6	2402.8	2259.4	2244.2	2264.4	2261.9	2229.8	2283.0
60°	3778.5	3689.1	3784.5	3715.2	3617.3	3570.1	3500.9	3498.3	3468.8	3444.3	3388.6
62.5°	4170.2	4283.3	4372.7	4376.1	4398.0	4373.6	4339.0	4297.6	4303.5	4235.1	4213.2
65°	4094.2	4261.3	4307.7	4398.9	4467.2	4561.8	4563.5	4578.7	4565.1	4511.1	4435.2
67.5°	3841.0	3921.2	3972.7	4080.7	4216.6	4341.5	4443.6	4458.8	4468.1	4436.9	4324.6
70°	3335.5	3369.2	3441.8	3550.7	3715.2	3839.3	3978.6	3992.9	4022.5	3989.5	3911.1
72.5°	2469.5	2459.4	2497.4	2572.5	2650.1	2736.2	2824.8	2830.7	2895.7	2830.7	2740.4
75°	1147.8	1118.3	1093.8	1089.6	1098.9	1124.2	1121.7	1087.9	1078.6	1001.8	947.0
77.5°	393.3	383.2	362.9	331.7	296.2	253.2	222.0	206.8	192.4	171.3	163.7
80°	346.9	369.7	367.1	342.7	301.3	252.4	205.9	183.1	163.7	131.7	119.0
82.5°	400.1	450.7	488.7	462.5	397.5	323.2	234.6	195.8	160.4	108.9	88.6
85°	191.6	189.1	207.6	176.4	167.1	122.4	92.0	77.6	70.9	58.2	54.0
87.5°	50.6	51.5	53.2	53.2	51.5	48.1	47.3	45.6	44.7	41.4	38.8
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):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	73.4	72.6	72.6	71.7	71.7	71.7	71.7	71.7	70.9	70.9	70.9
5°	78.5	78.5	77.6	75.1	73.4	73.4	72.6	72.6	71.7	71.7	71.7
7.5°	75.1	74.3	73.4	74.3	76.0	76.8	76.8	76.0	75.1	76.0	76.0
10°	130.8	121.5	119.0	118.2	116.5	116.5	115.6	113.9	111.4	110.6	110.6
12.5°	166.3	135.0	130.8	130.0	128.3	127.4	126.6	122.4	120.7	122.4	123.2
15°	221.1	209.3	184.0	184.8	185.7	184.8	184.8	183.1	180.6	178.1	178.1
17.5°	255.7	265.0	234.6	243.9	237.2	244.8	240.5	237.2	242.2	222.8	228.7
20°	353.6	353.6	340.1	319.9	322.4	325.8	330.0	329.2	324.9	317.3	314.0
22.5°	443.9	438.9	443.9	431.3	427.1	433.0	406.8	420.3	416.1	421.2	422.0
25°	551.1	552.8	535.1	519.9	507.2	508.9	519.1	516.5	503.9	508.1	520.7
27.5°	639.7	646.5	659.2	641.4	630.5	627.1	623.7	626.2	644.0	642.3	627.1
30°	696.3	687.0	684.5	692.9	707.3	696.3	710.6	688.7	681.9	703.0	702.2
32.5°	806.0	819.5	832.2	829.6	831.3	846.5	838.1	839.8	833.9	828.0	839.8
35°	900.5	901.4	892.9	904.8	901.4	905.6	916.6	917.4	920.8	919.1	920.0
37.5°	939.4	946.1	949.5	928.4	951.2	952.9	963.0	971.4	988.3	1001.0	1006.9
40°	1001.8	997.6	990.0	1012.8	991.7	1005.2	1029.7	1045.7	1064.3	1089.6	1098.0
42.5°	1051.6	1051.6	1065.1	1059.2	1085.4	1080.3	1108.2	1135.2	1158.8	1164.7	1210.3
45°	1105.6	1130.9	1133.5	1147.0	1163.9	1195.1	1197.6	1219.6	1245.7	1278.6	1293.8
47.5°	1187.5	1190.0	1221.3	1239.0	1262.6	1289.6	1304.8	1312.4	1345.3	1372.3	1389.2
50°	1255.9	1298.9	1317.5	1346.2	1377.4	1390.9	1414.5	1433.1	1445.8	1463.5	1474.5
52.5°	1383.3	1412.0	1453.4	1481.2	1512.4	1535.2	1555.5	1589.2	1590.1	1588.4	1600.2
55°	1596.0	1655.1	1720.1	1741.2	1801.1	1829.8	1865.2	1885.5	1915.9	1885.5	1893.1
57.5°	2321.0	2415.5	2467.8	2537.9	2592.7	2634.1	2644.2	2668.7	2712.6	2707.5	2679.7
60°	3451.1	3462.1	3503.4	3556.6	3553.2	3601.3	3570.9	3608.1	3542.2	3534.6	3466.3
62.5°	4173.5	4151.6	4147.4	4141.5	4122.1	4086.6	4041.0	4004.7	3946.5	3862.1	3803.9
65°	4341.5	4273.1	4226.7	4190.4	4118.7	4042.7	3981.9	3914.4	3866.3	3778.5	3690.8
67.5°	4210.7	4127.1	4043.6	3934.7	3856.2	3762.5	3672.2	3613.1	3524.5	3475.6	3332.9
70°	3819.9	3669.7	3529.6	3388.6	3320.3	3194.5	3110.1	3067.1	2978.4	2924.4	2818.9
72.5°	2668.7	2547.2	2342.9	2235.7	2212.9	2121.8	2084.7	2064.4	2021.4	1972.4	1917.5
75°	901.4	860.0	808.5	704.7	733.4	692.9	666.8	704.7	690.4	691.2	664.2
77.5°	157.8	152.8	146.0	138.4	135.9	138.4	135.0	140.1	140.9	143.5	140.9
80°	113.1	107.2	103.0	99.6	97.1	97.9	95.4	96.2	95.4	96.2	95.4
82.5°	81.0	77.6	73.4	70.9	70.1	70.9	69.2	71.7	73.4	76.0	78.5
85°	50.6	49.8	47.3	46.4	46.4	45.6	46.4	49.8	53.2	57.4	59.9
87.5°	36.3	36.3	34.6	36.3	36.3	38.0	40.5	44.7	49.0	53.2	58.2
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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CANDELA DISTRIBUTION (continued):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.1	70.1	70.9	70.9
5°	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	74.3	111.4
7.5°	75.1	75.1	75.1	74.3	74.3	74.3	75.1	76.0	75.1	106.3	72.6
10°	112.3	113.9	115.6	114.8	115.6	116.5	117.3	117.3	128.3	113.1	77.6
12.5°	124.1	124.1	124.9	124.1	123.2	135.0	159.5	159.5	160.4	124.9	124.1
15°	175.6	173.0	175.6	183.1	206.8	210.2	211.0	210.2	200.0	186.5	178.9
17.5°	211.0	200.9	211.8	231.3	210.2	209.3	196.6	187.4	190.7	232.9	241.4
20°	319.0	330.8	336.8	346.9	339.3	319.0	311.4	312.3	310.6	318.2	269.2
22.5°	416.9	432.1	430.4	426.2	414.4	427.1	432.1	400.1	394.1	419.5	434.7
25°	541.8	534.2	535.9	527.5	523.3	525.0	530.0	554.5	553.7	600.1	483.6
27.5°	647.3	657.5	650.7	651.6	666.8	656.6	673.5	673.5	708.1	655.8	648.2
30°	691.2	701.4	720.8	725.8	741.0	750.3	748.6	754.5	757.1	792.5	707.3
32.5°	862.6	852.4	867.6	890.4	898.9	906.4	930.1	927.5	914.0	877.8	807.7
35°	941.0	963.0	963.0	965.5	1002.7	1005.2	1002.7	1017.0	1006.0	982.4	851.6
37.5°	1018.7	1027.1	1054.1	1058.4	1052.5	1080.3	1081.2	1073.6	1084.5	1041.5	932.6
40°	1110.7	1122.5	1126.7	1150.4	1138.5	1135.2	1167.2	1155.4	1147.8	1095.5	957.1
42.5°	1215.3	1212.0	1218.7	1220.4	1233.1	1219.6	1218.7	1244.9	1224.6	1140.2	954.6
45°	1320.8	1306.5	1299.7	1300.6	1298.9	1305.7	1284.6	1298.9	1301.4	1163.9	932.6
47.5°	1387.5	1406.1	1389.2	1374.9	1365.6	1366.4	1359.7	1326.8	1352.9	1171.5	898.0
50°	1491.3	1489.6	1488.0	1455.9	1446.6	1428.9	1420.4	1396.8	1378.2	1147.0	860.0
52.5°	1607.8	1604.4	1608.6	1580.8	1545.3	1523.4	1498.1	1476.1	1433.1	1122.5	817.8
55°	1895.6	1888.0	1865.2	1857.6	1792.6	1736.9	1667.7	1625.5	1587.5	1120.8	768.9
57.5°	2671.2	2636.6	2577.5	2532.0	2409.6	2292.3	2184.2	2061.0	1975.8	1214.5	731.7
60°	3386.9	3343.0	3267.1	3120.2	2992.8	2786.9	2591.1	2429.0	2280.5	1313.2	689.5
62.5°	3675.6	3583.6	3471.3	3326.2	3109.3	2910.1	2642.5	2455.2	2267.8	1255.0	582.4
65°	3603.8	3449.4	3311.8	3148.9	2941.3	2692.3	2419.7	2194.4	2031.5	1013.6	404.3
67.5°	3262.0	3120.2	2982.7	2791.1	2561.5	2283.8	2050.1	1817.1	1671.1	721.6	225.3
70°	2730.3	2622.3	2455.2	2269.5	2061.0	1808.7	1570.7	1368.1	1222.9	440.6	109.7
72.5°	1877.0	1785.0	1715.0	1557.2	1346.2	1118.3	984.1	826.3	739.3	225.3	72.6
75°	678.6	686.2	632.1	604.3	535.1	431.3	379.8	319.9	279.4	102.1	71.7
77.5°	157.8	155.3	163.7	168.0	156.1	142.6	128.3	118.2	110.6	80.2	76.0
80°	96.2	95.4	94.5	93.7	92.8	92.0	91.2	89.5	87.8	78.5	76.8
82.5°	80.2	81.0	81.0	81.0	81.9	81.9	82.7	82.7	81.9	78.5	77.6
85°	62.5	65.0	67.5	70.1	73.4	76.8	78.5	79.3	79.3	76.8	76.8
87.5°	62.5	65.8	70.1	75.1	80.2	84.4	87.8	89.5	89.5	77.6	76.0
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-E02-LED-E-U-T2-8030

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	72.6	72.6	72.6	72.6	72.6	72.6
2.5°	75.1	73.4	74.3	80.2	76.8	75.1
5°	113.1	87.8	73.4	72.6	71.7	70.9
7.5°	75.1	75.1	76.8	95.4	105.5	111.4
10°	84.4	120.7	126.6	124.1	124.9	123.2
12.5°	170.5	128.3	134.2	151.1	175.6	175.6
15°	184.8	225.3	183.1	184.8	182.3	182.3
17.5°	242.2	240.5	195.0	235.5	238.8	238.8
20°	306.4	277.7	288.6	253.2	249.0	248.1
22.5°	330.8	342.7	305.5	310.6	310.6	308.9
25°	440.6	385.7	360.4	320.7	356.2	348.6
27.5°	513.1	427.1	422.0	379.0	373.9	370.5
30°	608.5	535.1	450.7	431.3	430.4	427.1
32.5°	660.8	557.9	487.8	444.8	476.0	474.3
35°	719.9	581.5	516.5	484.5	462.5	459.1
37.5°	723.3	591.6	500.5	492.0	485.3	482.8
40°	732.6	571.4	498.8	491.2	484.5	481.9
42.5°	705.6	543.5	474.3	446.5	433.8	430.4
45°	668.4	500.5	423.7	392.5	377.3	373.9
47.5°	624.6	461.7	369.7	341.0	319.9	314.0
50°	579.0	411.0	316.5	281.9	261.6	254.9
52.5°	529.2	346.9	257.4	227.9	206.8	202.6
55°	469.3	279.4	200.9	180.6	168.0	164.6
57.5°	391.6	210.2	153.6	144.3	138.4	136.7
60°	300.5	147.7	115.6	118.2	115.6	117.3
62.5°	205.9	97.9	88.6	96.2	97.1	97.1
65°	119.8	70.9	71.7	81.0	81.9	82.7
67.5°	73.4	59.1	62.5	71.7	72.6	72.6
70°	61.6	54.9	58.2	67.5	68.4	68.4
72.5°	59.9	54.9	56.5	65.8	66.7	67.5
75°	60.8	54.0	56.5	65.8	65.0	64.1
77.5°	62.5	54.0	55.7	65.8	66.7	62.5
80°	61.6	52.3	53.2	70.1	67.5	57.4
82.5°	59.1	49.0	47.3	74.3	59.9	51.5
85°	54.9	43.9	38.8	81.0	59.1	37.1
87.5°	31.2	36.3	28.7	70.9	54.0	29.5
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)