

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: P157164

Luminaire Tested: **UTLD-F02-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157164
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-T3-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4064.7 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 55
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

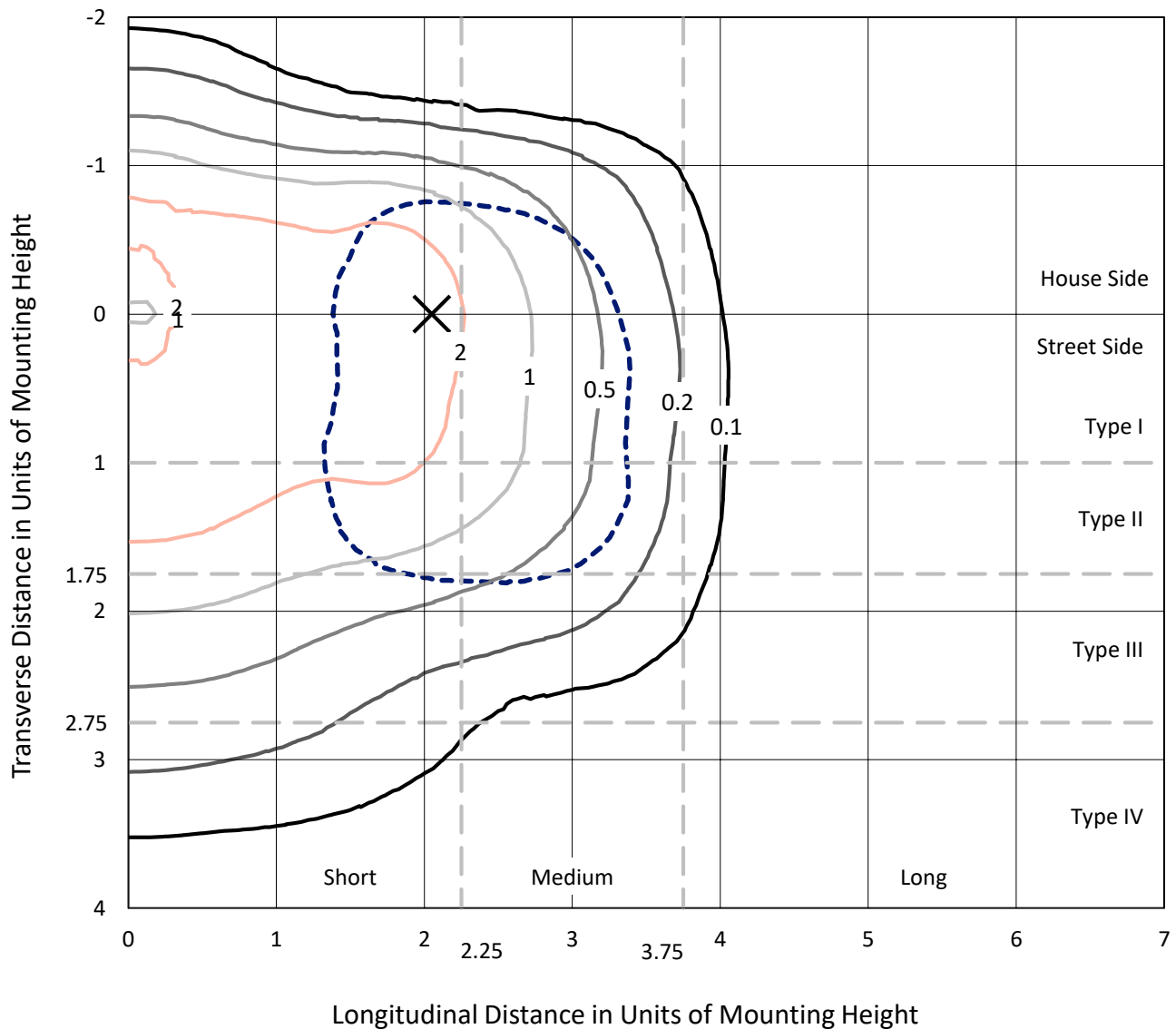


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

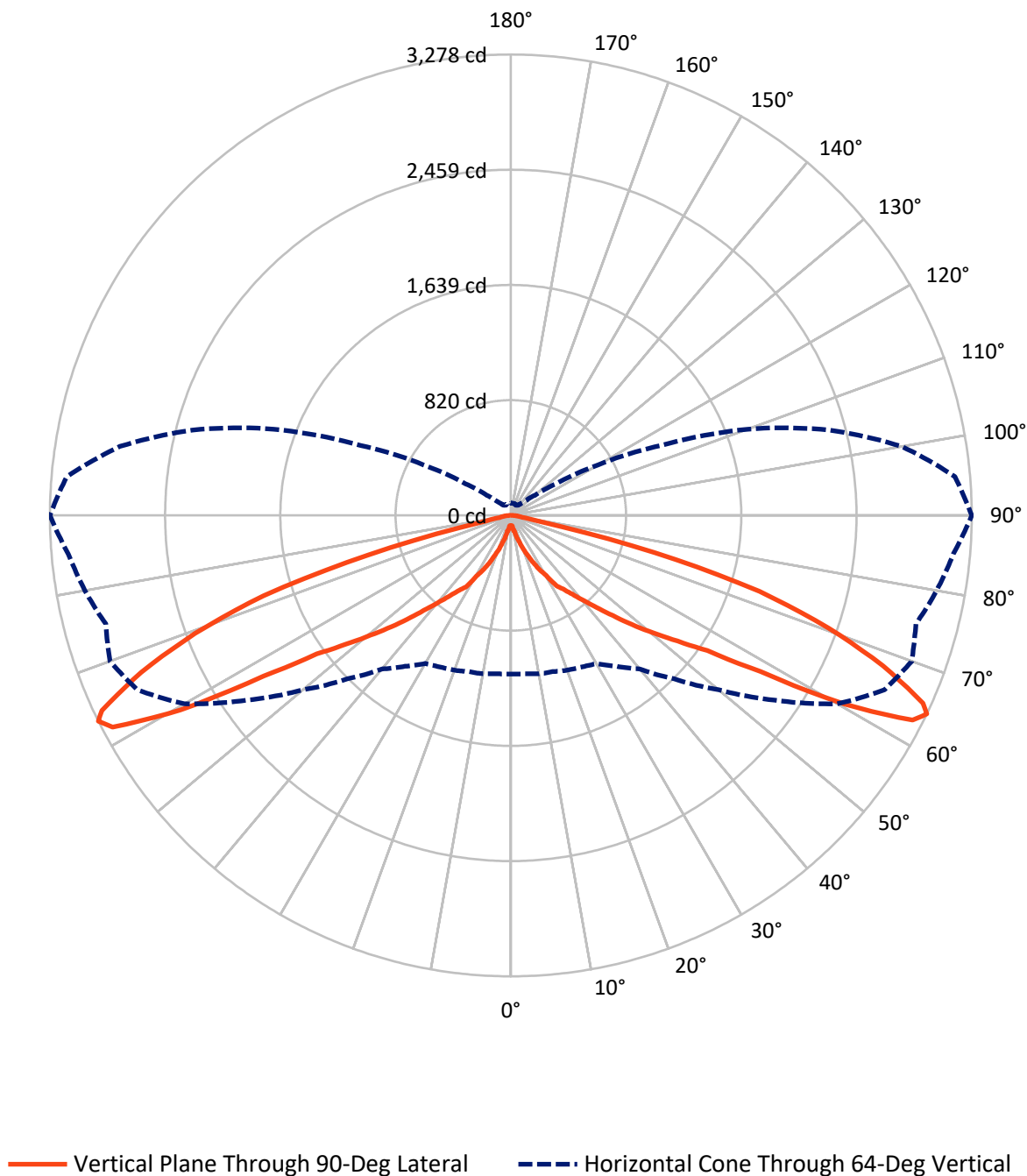


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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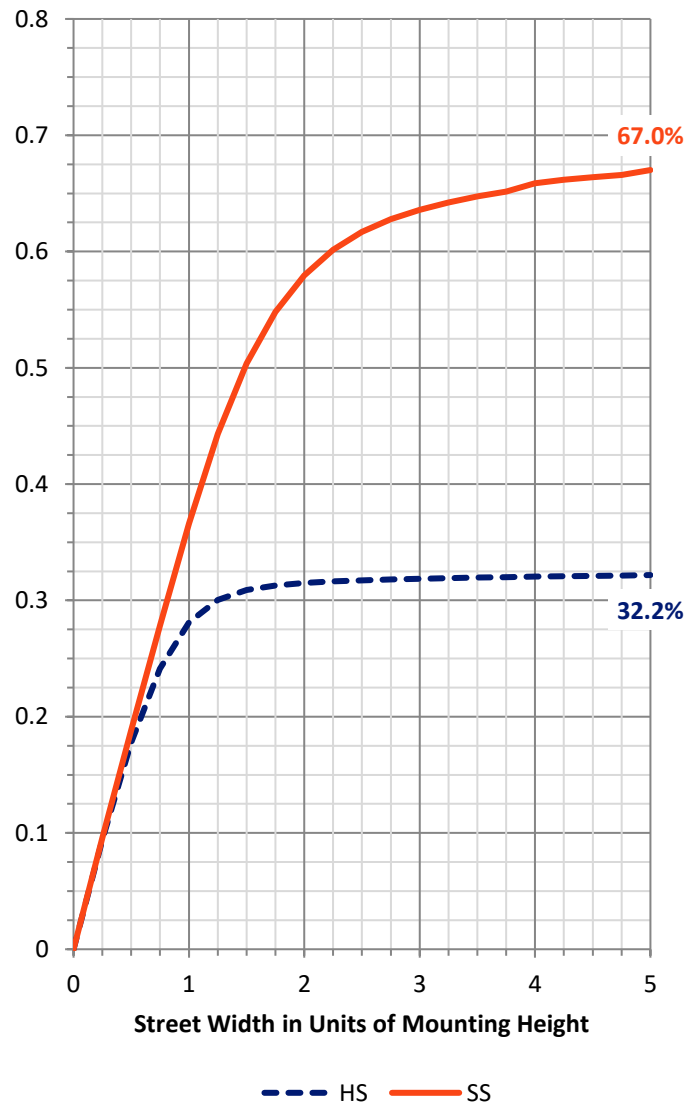
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1321.0	0.0	1321.0
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	2743.8	0.0	2743.8
	% Fixture	67.5	0.0	67.5
Total	Lumens	4064.7	0.0	4064.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.2
10°-20°	53.4	1.3
20°-30°	157.4	3.9
30°-40°	332.6	8.2
40°-50°	583.1	14.3
50°-60°	928.6	22.8
60°-70°	1302.2	32.0
70°-80°	589.8	14.5
80°-90°	107.7	2.6
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°	4064.7	100.0
0°-180°	4064.7	100.0

Coefficient of Utilization



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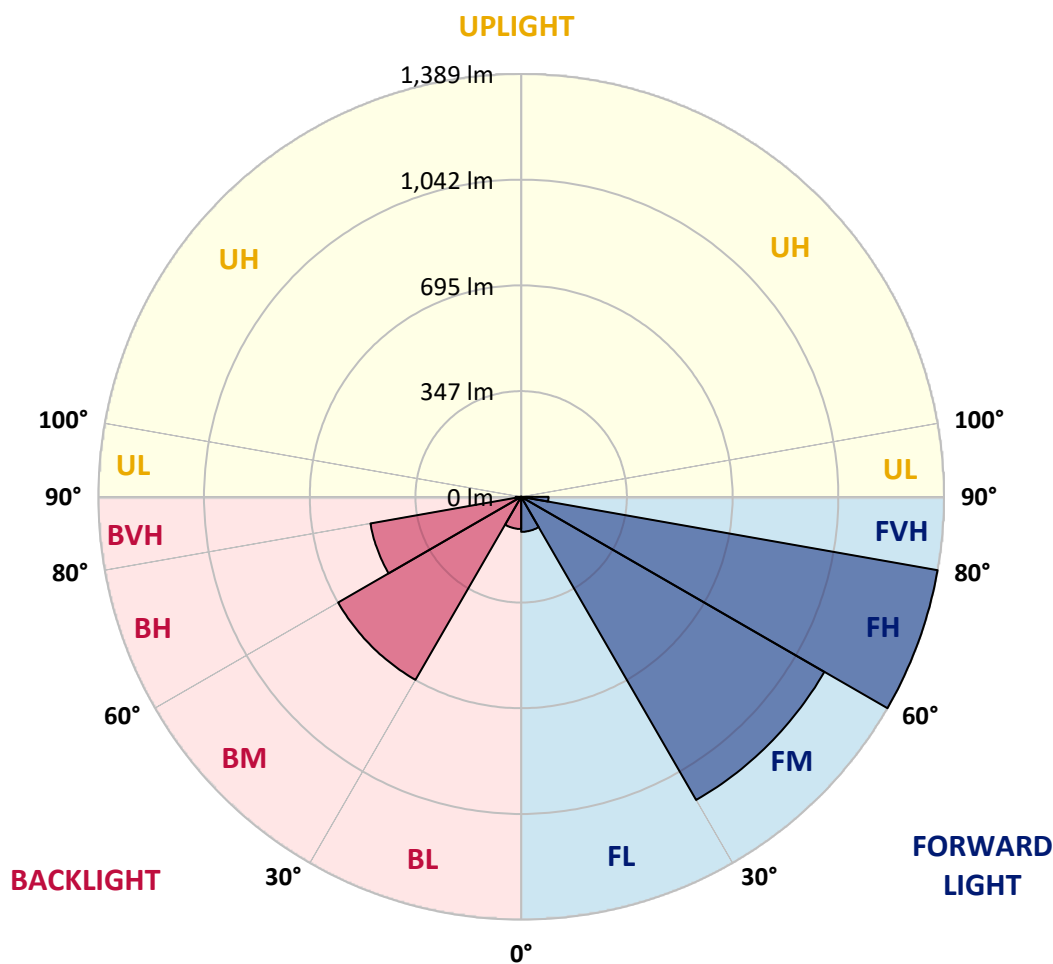
CATALOG NUMBER: UTLD-F02-LED-E-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.0	2.8			
FM	(30°-60°)	1150.0	28.3			
FH	(60°-80°)	1389.0	34.2			G1/1800
FVH	(80°-90°)	89.7	2.2			G1/100
BL	(0°-30°)	105.7	2.6	B0/110		
BM	(30°-60°)	694.3	17.1	B1/1000		
BH	(60°-80°)	503.0	12.4	B2/1000		G2/1000
BVH	(80°-90°)	18.0	0.4			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	117.6	119.1	118.4	119.1	119.9	119.1	119.1	118.4	119.1	119.9	119.9
5°	95.8	96.5	96.5	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5
7.5°	143.3	144.0	144.8	143.3	143.3	144.0	142.5	122.1	98.8	97.3	95.8
10°	143.3	144.0	144.0	142.5	143.3	144.0	144.0	143.3	138.7	138.0	138.0
12.5°	184.0	184.7	185.5	185.5	185.5	180.2	173.4	145.5	141.8	178.7	181.7
15°	186.2	186.2	186.2	183.2	183.2	180.2	182.5	215.6	213.4	187.7	184.7
17.5°	229.2	229.2	229.2	228.5	223.2	223.2	224.7	217.2	217.9	218.7	257.9
20°	279.0	280.5	260.1	238.3	230.0	256.4	257.1	252.6	277.5	247.3	260.1
22.5°	291.8	291.8	291.0	284.3	285.8	303.9	292.5	282.7	288.8	272.9	294.8
25°	346.8	346.8	342.3	336.3	327.2	318.9	328.0	326.5	312.9	311.4	347.6
27.5°	371.7	361.2	358.9	351.4	371.7	367.2	374.7	340.8	369.5	362.7	382.3
30°	426.8	426.0	418.5	425.3	425.3	407.9	394.3	410.2	416.2	403.4	447.9
32.5°	505.2	504.4	495.4	490.1	453.2	449.4	457.7	459.9	459.2	463.0	476.5
35°	590.4	589.6	539.9	530.1	516.5	513.5	512.7	500.7	515.0	496.9	533.1
37.5°	646.9	653.0	624.3	617.5	600.2	580.6	564.7	572.3	554.9	552.7	579.1
40°	760.0	762.3	736.7	715.5	700.5	656.0	640.1	635.6	629.6	622.0	657.5
42.5°	866.3	863.3	840.7	824.1	805.3	762.3	716.3	711.0	709.5	702.7	733.6
45°	969.6	971.9	945.5	938.0	907.8	880.7	817.3	818.1	813.6	806.0	833.9
47.5°	1063.9	1069.2	1054.8	1031.5	1007.3	985.5	937.2	934.2	923.6	925.9	959.1
50°	1143.1	1152.9	1139.3	1121.9	1100.1	1085.0	1057.1	1050.3	1044.3	1050.3	1086.5
52.5°	1197.3	1205.6	1210.9	1189.0	1189.0	1169.4	1160.4	1153.6	1155.9	1174.0	1216.9
55°	1224.5	1232.0	1243.3	1228.3	1261.4	1232.8	1224.5	1234.3	1249.4	1281.8	1342.9
57.5°	1224.5	1229.0	1243.3	1246.4	1266.0	1245.6	1260.7	1281.8	1314.2	1370.8	1456.7
60°	1198.8	1202.6	1220.0	1222.2	1240.3	1235.8	1248.6	1308.9	1356.4	1449.9	1587.9
62.5°	1158.1	1160.4	1177.0	1181.5	1200.4	1209.4	1229.0	1316.5	1400.9	1563.8	1785.5
64°	1128.7	1130.2	1143.8	1150.6	1171.7	1189.0	1216.2	1310.4	1425.8	1643.7	1930.2
65°	1108.4	1108.4	1125.0	1128.0	1149.1	1171.7	1201.1	1296.1	1427.3	1673.9	1992.8
67.5°	1028.4	1024.7	1041.3	1048.8	1057.1	1075.2	1093.3	1192.1	1338.3	1626.4	1976.2
70°	893.5	884.4	892.7	886.7	882.2	873.9	864.8	933.4	1037.5	1327.0	1673.9
72.5°	626.6	626.6	619.8	634.1	644.7	655.2	619.0	627.3	683.9	870.9	1180.0
75°	420.7	425.3	437.3	472.0	505.9	536.8	548.9	549.7	502.2	516.5	716.3
77.5°	249.6	259.4	268.4	309.1	352.9	417.7	475.0	530.8	543.6	536.1	518.7
80°	112.3	115.4	128.2	144.0	171.2	215.6	299.3	388.3	489.3	539.9	529.3
82.5°	38.5	42.2	50.5	60.3	71.6	91.2	135.7	183.2	279.7	396.6	493.1
85°	12.8	14.3	19.6	27.1	30.2	34.7	46.0	67.9	110.8	156.1	297.1
87.5°	5.3	6.8	9.0	13.6	15.1	15.1	15.8	20.4	20.4	20.4	81.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	98.8	91.2	80.7	78.4	75.4	74.6	73.9	73.9	73.1	73.9	73.9
5°	105.6	111.6	116.1	113.1	83.7	79.9	73.9	73.1	73.9	73.9	77.7
7.5°	95.8	95.8	91.2	104.8	105.6	78.4	72.4	73.9	74.6	75.4	87.5
10°	103.3	131.2	130.4	132.7	151.6	148.5	110.8	108.6	109.3	114.6	151.6
12.5°	184.0	170.4	134.2	140.2	138.7	153.8	118.4	113.9	116.9	145.5	141.8
15°	184.7	211.9	216.4	190.8	181.0	191.5	172.7	164.4	159.1	189.3	162.9
17.5°	219.4	217.2	221.7	204.3	193.0	190.0	208.1	203.6	195.3	181.7	168.9
20°	242.8	259.4	264.7	298.6	278.2	269.9	276.0	260.1	251.1	254.8	254.1
22.5°	297.8	321.2	303.9	310.6	316.7	337.8	330.2	306.1	312.2	313.7	303.9
25°	315.2	353.6	378.5	391.3	395.8	382.3	401.1	373.2	382.3	369.5	378.5
27.5°	390.6	392.8	412.4	407.9	438.8	454.7	453.9	438.8	442.6	450.1	459.9
30°	412.4	420.7	459.9	473.5	490.8	502.9	488.6	494.6	483.3	499.1	501.4
32.5°	481.0	473.5	487.8	545.1	585.1	605.5	585.1	597.2	584.3	589.6	563.2
35°	521.8	557.2	567.0	594.1	624.3	653.0	646.9	644.7	643.2	653.7	598.7
37.5°	605.5	613.0	618.3	653.0	680.1	717.8	719.3	711.0	725.3	695.2	647.7
40°	660.5	672.6	679.3	702.7	757.8	787.9	810.5	794.0	814.3	754.0	720.1
42.5°	742.7	737.4	749.5	785.7	853.5	871.6	903.3	892.7	923.6	858.8	791.7
45°	850.5	846.0	848.2	871.6	963.6	976.4	1008.1	1016.4	1031.5	950.8	882.2
47.5°	971.9	974.2	974.2	997.5	1072.9	1098.6	1134.8	1159.6	1154.4	1048.8	980.2
50°	1108.4	1118.9	1103.1	1135.5	1192.1	1238.1	1258.4	1311.9	1292.3	1185.3	1109.1
52.5°	1259.2	1276.5	1262.2	1289.3	1342.9	1400.9	1434.8	1485.4	1451.4	1361.7	1227.5
55°	1408.5	1438.6	1455.2	1484.6	1553.2	1608.3	1623.3	1695.0	1647.5	1559.3	1357.2
57.5°	1565.3	1629.4	1688.9	1728.9	1844.3	1908.4	1940.8	2096.1	2038.0	1944.5	1632.4
60°	1768.1	1962.6	2124.8	2214.5	2366.8	2432.4	2562.1	2726.4	2685.0	2547.0	2125.5
62.5°	2100.6	2446.7	2694.0	2809.4	2845.6	2930.8	3052.2	3207.5	3143.4	2825.2	2384.9
64°	2290.6	2681.2	2932.3	3034.1	2982.8	3076.3	3159.2	3278.4	3170.5	2823.0	2344.9
65°	2371.3	2768.7	3009.2	3105.7	3002.4	3079.3	3147.9	3222.6	3087.6	2749.1	2246.9
67.5°	2391.7	2774.7	2989.6	3046.9	2875.7	2853.1	2864.4	2856.9	2675.9	2366.8	1918.9
70°	2085.5	2452.7	2753.6	2826.7	2597.5	2476.1	2470.1	2397.7	2213.7	1970.2	1580.4
72.5°	1610.5	1931.0	2228.8	2327.6	2111.2	2015.4	1992.8	1850.3	1697.2	1471.8	1190.6
75°	1091.0	1350.4	1437.1	1443.1	1269.7	1218.5	1185.3	1056.3	923.6	827.1	698.2
77.5°	640.9	748.0	668.8	588.9	461.4	327.2	243.5	202.8	221.7	220.9	208.1
80°	542.1	508.9	411.7	318.9	229.2	129.7	94.2	79.9	81.4	82.9	81.4
82.5°	582.8	620.5	526.3	374.0	280.5	165.1	79.9	57.3	65.6	72.4	69.4
85°	493.9	605.5	564.0	404.1	300.8	173.4	56.5	37.7	48.3	59.6	63.3
87.5°	191.5	279.7	227.0	156.1	104.8	58.1	33.2	27.1	33.9	47.5	52.0
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	74.6	76.9	80.7	80.7	78.4	80.7	91.2	104.1	111.6	117.6	124.4
5°	77.7	101.8	118.4	120.6	117.6	85.2	79.2	79.2	82.2	85.2	78.4
7.5°	108.6	103.3	72.4	76.9	77.7	78.4	77.7	79.9	80.7	107.1	122.1
10°	123.7	112.3	109.3	91.2	85.2	119.1	119.1	119.9	124.4	125.2	124.4
12.5°	120.6	115.4	116.1	154.6	166.6	159.1	128.9	119.1	124.4	142.5	159.8
15°	161.4	171.9	182.5	159.8	167.4	162.1	190.8	198.3	163.6	161.4	166.6
17.5°	171.9	207.3	208.9	199.8	225.4	201.3	196.0	198.3	195.3	181.0	204.3
20°	283.5	263.9	245.8	225.4	244.3	236.8	232.2	234.5	232.2	233.0	205.8
22.5°	300.8	292.5	308.4	300.1	282.7	263.9	271.4	266.9	242.0	268.4	248.1
25°	391.3	385.3	351.4	312.9	339.3	300.1	282.0	300.1	295.6	275.2	275.2
27.5°	411.7	410.2	404.1	410.9	361.2	340.1	361.9	309.9	312.9	319.7	318.2
30°	476.5	475.8	425.3	431.3	428.3	391.3	377.0	382.3	346.8	340.8	354.4
32.5°	545.9	500.7	487.1	491.6	456.2	432.0	424.5	395.1	381.5	374.7	352.9
35°	576.1	574.5	562.5	519.5	505.9	460.7	453.9	420.0	407.2	402.6	391.3
37.5°	616.0	614.5	601.7	579.1	546.6	493.1	469.7	447.1	418.5	400.4	414.7
40°	669.5	658.2	645.4	608.5	564.0	515.7	482.6	443.3	425.3	407.9	428.3
42.5°	764.5	714.0	682.4	635.6	576.1	518.0	481.0	443.3	408.7	403.4	406.4
45°	848.2	767.6	713.3	653.0	581.3	513.5	466.7	423.7	399.6	379.3	378.5
47.5°	921.4	828.6	741.9	666.5	578.3	501.4	445.6	399.6	369.5	349.9	340.8
50°	990.0	892.7	771.3	671.1	565.5	478.0	415.5	366.4	328.7	306.9	304.6
52.5°	1058.6	938.0	796.2	664.3	540.6	442.6	371.7	319.7	279.0	260.9	257.1
55°	1155.9	963.6	809.0	640.1	501.4	394.3	319.7	264.7	223.9	214.9	209.6
57.5°	1360.2	1047.3	821.9	602.4	443.3	331.8	258.6	211.1	181.0	171.9	167.4
60°	1688.9	1207.1	851.3	545.1	364.2	261.6	197.5	158.3	138.0	132.7	130.4
62.5°	1843.5	1249.4	806.0	458.4	279.0	186.2	138.7	111.6	101.0	99.5	101.0
64°	1794.5	1177.7	718.6	391.3	222.4	144.0	107.1	89.0	82.9	82.2	85.2
65°	1707.8	1096.3	652.2	345.3	184.7	119.1	89.7	76.9	72.4	73.9	76.2
67.5°	1410.7	847.5	441.8	206.6	107.1	73.1	61.1	55.0	55.8	57.3	60.3
70°	1101.6	567.8	240.5	107.1	64.1	49.8	46.0	43.7	45.2	47.5	50.5
72.5°	755.5	317.4	114.6	61.1	47.5	40.0	39.2	38.5	40.0	42.2	45.2
75°	395.8	132.7	64.8	48.3	41.5	36.2	36.9	36.2	37.7	40.0	42.2
77.5°	125.2	71.6	54.3	44.5	39.2	33.9	34.7	35.4	36.9	38.5	40.0
80°	67.9	59.6	49.0	41.5	36.9	31.7	33.2	33.9	36.2	36.9	36.9
82.5°	61.8	52.0	43.0	37.7	35.4	30.9	33.9	33.9	33.9	33.9	33.9
85°	54.3	42.2	35.4	33.2	33.2	29.4	31.7	31.7	30.2	30.2	28.7
87.5°	42.2	30.9	30.2	33.2	30.9	21.1	27.1	25.6	23.4	23.4	22.6
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-F02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	74.6	74.6	74.6	74.6
2.5°	123.7	124.4	121.4	121.4
5°	77.7	78.4	77.7	77.7
7.5°	126.7	125.2	129.7	125.2
10°	127.4	123.7	122.9	123.7
12.5°	165.9	165.9	166.6	166.6
15°	165.9	165.1	166.6	165.9
17.5°	208.1	209.6	210.4	209.6
20°	210.4	211.1	217.2	212.6
22.5°	249.6	254.1	254.1	253.3
25°	260.1	293.3	300.1	299.3
27.5°	298.6	302.4	303.1	302.4
30°	340.1	341.6	345.3	343.8
32.5°	358.1	382.3	386.8	385.3
35°	388.3	381.5	397.4	413.2
37.5°	406.4	404.1	407.9	407.2
40°	423.0	426.8	431.3	427.5
42.5°	407.2	404.9	407.2	405.6
45°	374.7	375.5	374.0	372.5
47.5°	334.0	334.0	332.5	332.5
50°	291.0	292.5	286.5	287.3
52.5°	245.8	247.3	242.8	238.3
55°	203.6	204.3	198.3	196.8
57.5°	164.4	166.6	161.4	159.1
60°	130.4	131.2	129.7	129.7
62.5°	103.3	101.8	100.3	101.0
64°	87.5	88.2	86.0	87.5
65°	78.4	79.9	78.4	79.9
67.5°	62.6	64.8	64.1	64.8
70°	53.5	54.3	53.5	53.5
72.5°	47.5	48.3	46.7	46.0
75°	44.5	43.7	43.0	42.2
77.5°	40.7	40.7	39.2	38.5
80°	36.2	35.4	33.9	32.4
82.5°	33.2	31.7	27.9	25.6
85°	27.9	25.6	21.1	16.6
87.5°	22.6	20.4	12.8	6.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)