

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: PORTFOLIO

Report Number: P879485

Luminaire Tested: **LD4C70D010 EU4709040 4LBLDWWLI**

Issue Date: 10/1/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P879485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/1/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C70D010 EU4709040 4LBLDWWLI  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBLDWW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

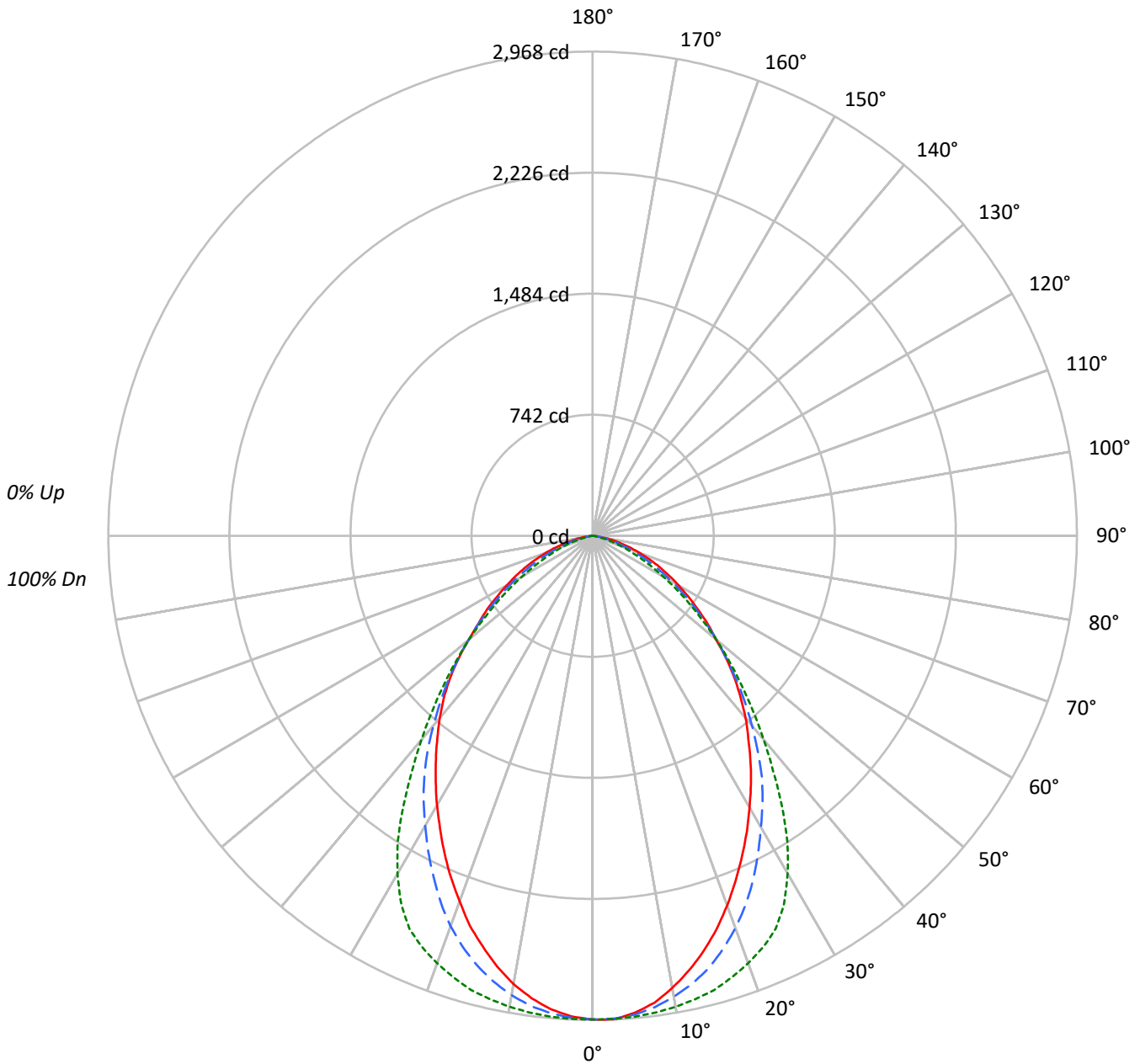
Lumens per Lamp: N/A  
Luminaire Lumens: 5446.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1.19 / 1.15  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 78  
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: 25 FT

TEST NUMBER: P879485

CATALOG NUMBER: LD4C70D010 EU4709040 4LBLDWWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P879485

CATALOG NUMBER: LD4C70D010 EU4709040 4LBLDWWLI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	364297	364297	364297
5°	362137	364875	359400
10°	351105	365763	348061
15°	334973	366566	331310
20°	315183	364484	311705
25°	293582	360166	291170
30°	272781	339171	270582
35°	252965	303357	251135
40°	233873	261618	233697
45°	213093	223309	214831
50°	188202	188852	189272
55°	168631	154387	169359
60°	149046	122608	149316
65°	131191	93488	129912
70°	108730	66919	108730
75°	84728	38448	81596
80°	54901	9410	52566
85°	20298	3101	15646



TEST NUMBER: P879485

CATALOG NUMBER: LD4C70D010 EU4709040 4LBLDWWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	278.4	5.1
10°-20°	770.1	14.1
20°-30°	1076.6	19.8
30°-40°	1135.6	20.9
40°-50°	966.1	17.7
50°-60°	681.7	12.5
60°-70°	386.4	7.1
70°-80°	137.9	2.5
80°-90°	13.2	0.2
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°-30°	2125.1	39.0
0°-40°	3260.7	59.9
0°-60°	4908.5	90.1
0°-90°	5446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2965	2965	2965	2965	2965	
5°	2936	2946	2959	2938	2914	276
15°	2634	2745	2882	2729	2605	738
25°	2166	2328	2657	2307	2148	996
35°	1687	1809	2023	1799	1674	1054
45°	1226	1244	1285	1250	1236	943
55°	787	761	721	763	791	707
65°	451	387	322	388	447	447
75°	178	122	81	120	172	193
85°	14	6	2	6	11	26
90°	0	0	0	0	0	



TEST NUMBER: P879485

CATALOG NUMBER: LD4C70D010 EU4709040 4LBDWWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3
2.5°	2967.5	2962.0	2962.0	2962.0	2962.0	2962.0	2962.0	2962.0	2962.0	2963.1	2963.1
5°	2936.5	2934.3	2933.2	2933.2	2933.2	2933.2	2934.3	2938.7	2940.9	2944.2	2946.5
7.5°	2887.7	2883.3	2885.5	2885.5	2887.7	2889.9	2893.2	2897.7	2904.3	2908.8	2914.3
10°	2814.5	2810.1	2815.6	2817.8	2824.5	2827.8	2833.4	2840.0	2853.3	2860.0	2868.8
12.5°	2729.1	2726.9	2729.1	2738.0	2744.6	2749.1	2755.7	2770.1	2783.4	2797.9	2813.4
15°	2633.7	2628.2	2631.5	2642.6	2653.7	2661.5	2667.0	2685.9	2703.6	2725.8	2744.6
17.5°	2527.3	2519.5	2528.4	2537.3	2551.7	2558.3	2566.1	2587.2	2611.6	2636.0	2657.0
20°	2410.8	2408.6	2414.2	2426.4	2440.8	2449.7	2456.3	2479.6	2500.7	2533.9	2558.3
22.5°	2290.0	2292.2	2296.6	2309.9	2319.9	2332.1	2342.1	2363.2	2387.6	2418.6	2449.7
25°	2165.8	2169.1	2176.9	2185.7	2202.4	2209.0	2221.2	2243.4	2264.5	2293.3	2327.7
27.5°	2046.0	2047.1	2056.0	2060.4	2075.9	2090.4	2095.9	2119.2	2143.6	2165.8	2195.7
30°	1922.9	1926.2	1931.8	1944.0	1959.5	1965.0	1971.7	1992.8	2011.6	2039.3	2062.6
32.5°	1805.4	1803.1	1809.8	1816.4	1834.2	1844.2	1847.5	1871.9	1888.5	1916.3	1938.4
35°	1686.7	1681.2	1691.1	1697.8	1713.3	1722.2	1726.6	1745.5	1761.0	1784.3	1808.7
37.5°	1568.0	1572.5	1576.9	1582.5	1590.2	1592.4	1605.7	1610.2	1630.1	1647.9	1661.2
40°	1458.3	1456.0	1453.8	1459.4	1469.3	1473.8	1474.9	1487.1	1491.5	1509.3	1519.3
42.5°	1340.7	1341.8	1340.7	1341.8	1347.4	1347.4	1350.7	1358.5	1361.8	1367.3	1379.5
45°	1226.5	1226.5	1223.2	1224.3	1225.4	1224.3	1225.4	1228.7	1235.4	1235.4	1244.2
47.5°	1107.8	1105.6	1110.1	1106.7	1104.5	1103.4	1106.7	1103.4	1110.1	1110.1	1112.3
50°	984.7	984.7	990.3	989.2	991.4	987.0	988.1	988.1	989.2	988.1	992.5
52.5°	889.4	887.2	884.9	879.4	881.6	877.2	877.2	878.3	875.0	873.8	868.3
55°	787.3	789.6	786.2	784.0	784.0	779.6	778.5	771.8	767.4	764.1	760.7
57.5°	695.3	697.5	696.4	690.9	684.2	685.3	683.1	676.5	666.5	659.8	654.3
60°	606.6	608.8	606.6	601.0	598.8	594.4	593.3	584.4	576.7	567.8	561.1
62.5°	526.7	526.7	525.6	517.9	512.3	513.4	507.9	501.2	491.3	479.1	469.1
65°	451.3	450.2	444.7	441.4	436.9	431.4	428.1	418.1	410.3	400.3	387.0
67.5°	375.9	372.6	370.4	367.1	357.1	356.0	351.5	342.7	331.6	323.8	312.7
70°	302.7	301.6	297.2	297.2	289.4	286.1	279.5	271.7	261.7	250.6	241.7
72.5°	239.5	237.3	232.9	228.4	221.8	219.6	214.0	206.3	197.4	186.3	175.2
75°	178.5	176.3	175.2	169.7	164.1	158.6	156.4	148.6	139.7	132.0	122.0
77.5°	125.3	123.1	119.8	116.4	113.1	109.8	106.5	99.8	92.0	85.4	76.5
80°	77.6	75.4	73.2	72.1	68.8	67.6	63.2	59.9	53.2	48.8	43.2
82.5°	39.9	39.9	37.7	36.6	34.4	33.3	32.2	28.8	25.5	22.2	18.9
85°	14.4	14.4	13.3	12.2	12.2	11.1	11.1	10.0	7.8	7.8	5.5
87.5°	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P879485

CATALOG NUMBER: LD4C70D010 EU4709040 4LBDWWLI

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3
2.5°	2964.2	2963.1	2964.2	2964.2	2965.3	2965.3	2965.3	2964.2	2965.3	2964.2	2964.2
5°	2946.5	2949.8	2952.0	2954.2	2955.3	2956.4	2956.4	2957.6	2958.7	2958.7	2957.6
7.5°	2918.7	2925.4	2932.0	2936.5	2938.7	2940.9	2944.2	2946.5	2948.7	2947.6	2946.5
10°	2882.1	2893.2	2902.1	2911.0	2915.4	2918.7	2924.3	2928.7	2930.9	2932.0	2928.7
12.5°	2830.0	2845.5	2860.0	2874.4	2881.0	2885.5	2896.6	2904.3	2908.8	2908.8	2905.4
15°	2764.6	2786.8	2807.8	2826.7	2837.8	2844.4	2861.1	2872.2	2878.8	2882.1	2876.6
17.5°	2685.9	2711.4	2736.9	2761.3	2772.4	2782.3	2805.6	2821.2	2835.6	2837.8	2831.1
20°	2584.9	2617.1	2645.9	2675.9	2688.1	2703.6	2730.2	2755.7	2777.9	2787.9	2769.0
22.5°	2471.8	2507.3	2533.9	2570.5	2587.2	2603.8	2638.2	2670.3	2709.1	2730.2	2697.0
25°	2354.3	2384.2	2416.4	2451.9	2475.2	2492.9	2532.8	2573.9	2626.0	2657.0	2610.5
27.5°	2227.9	2254.5	2293.3	2332.1	2349.9	2372.0	2419.7	2464.1	2514.0	2541.7	2507.3
30°	2097.0	2130.3	2166.9	2202.4	2227.9	2248.9	2287.8	2325.5	2367.6	2390.9	2365.4
32.5°	1967.3	1999.4	2030.5	2069.3	2083.7	2102.6	2136.9	2169.1	2201.3	2222.3	2192.4
35°	1830.9	1859.7	1888.5	1915.1	1921.8	1944.0	1971.7	1990.6	2006.1	2022.7	2002.8
37.5°	1682.3	1704.4	1718.9	1747.7	1758.8	1762.1	1784.3	1797.6	1814.2	1817.6	1816.4
40°	1531.5	1551.4	1563.6	1581.4	1590.2	1590.2	1605.7	1617.9	1630.1	1631.3	1630.1
42.5°	1390.6	1400.6	1410.6	1421.7	1419.4	1432.8	1439.4	1445.0	1453.8	1453.8	1456.0
45°	1248.7	1256.4	1265.3	1267.5	1276.4	1276.4	1281.9	1284.2	1288.6	1285.3	1280.8
47.5°	1116.7	1120.0	1121.1	1131.1	1133.3	1125.6	1132.2	1133.3	1132.2	1132.2	1130.0
50°	991.4	993.6	992.5	989.2	990.3	993.6	990.3	985.9	988.1	988.1	990.3
52.5°	869.4	865.0	862.8	862.8	858.3	858.3	852.8	850.6	849.5	845.0	850.6
55°	757.4	750.8	740.8	738.6	735.2	734.1	727.5	721.9	719.7	720.8	719.7
57.5°	649.8	639.9	633.2	631.0	627.7	621.0	613.2	607.7	606.6	604.4	604.4
60°	552.3	541.2	531.2	521.2	522.3	517.9	510.1	506.8	503.5	499.0	502.4
62.5°	463.5	451.3	440.3	430.3	423.6	420.3	414.7	409.2	405.9	402.5	407.0
65°	375.9	366.0	353.8	343.8	340.4	337.1	331.6	322.7	321.6	321.6	323.8
67.5°	297.2	286.1	275.0	268.4	263.9	259.5	257.3	252.8	249.5	247.3	248.4
70°	228.4	217.4	208.5	201.8	198.5	197.4	189.6	188.5	187.4	186.3	185.2
72.5°	166.3	157.5	149.7	145.3	140.8	137.5	135.3	132.0	130.9	130.9	130.9
75°	114.2	107.6	98.7	93.2	90.9	87.6	84.3	82.1	79.8	81.0	81.0
77.5°	68.8	62.1	56.6	52.1	51.0	47.7	44.4	42.1	38.8	38.8	39.9
80°	37.7	32.2	27.7	24.4	22.2	21.1	17.7	16.6	14.4	13.3	13.3
82.5°	16.6	13.3	11.1	10.0	8.9	7.8	6.7	5.5	5.5	4.4	5.5
85°	5.5	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P879485

CATALOG NUMBER: LD4C70D010 EU4709040 4LBDWWLI

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3
2.5°	2963.1	2963.1	2962.0	2962.0	2962.0	2959.8	2959.8	2958.7	2957.6	2956.4	2954.2
5°	2955.3	2954.2	2952.0	2950.9	2949.8	2946.5	2943.1	2940.9	2937.6	2933.2	2930.9
7.5°	2944.2	2940.9	2936.5	2934.3	2930.9	2923.2	2917.6	2912.1	2906.5	2898.8	2889.9
10°	2925.4	2918.7	2912.1	2907.6	2902.1	2892.1	2881.0	2872.2	2860.0	2848.9	2836.7
12.5°	2898.8	2891.0	2877.7	2871.1	2864.4	2850.0	2835.6	2816.7	2800.1	2784.6	2770.1
15°	2865.5	2851.1	2835.6	2826.7	2816.7	2793.4	2771.2	2751.3	2729.1	2710.3	2687.0
17.5°	2816.7	2795.6	2773.5	2763.5	2750.2	2723.6	2697.0	2669.2	2643.7	2620.4	2591.6
20°	2743.5	2720.2	2691.4	2675.9	2664.8	2629.3	2603.8	2572.7	2546.1	2517.3	2485.1
22.5°	2658.1	2626.0	2593.8	2571.6	2559.4	2524.0	2489.6	2461.9	2433.0	2399.8	2376.5
25°	2561.7	2521.7	2482.9	2460.7	2441.9	2404.2	2370.9	2342.1	2306.6	2277.8	2254.5
27.5°	2453.0	2407.5	2362.0	2339.9	2322.1	2281.1	2245.6	2215.7	2181.3	2155.8	2131.4
30°	2323.2	2282.2	2239.0	2221.2	2200.1	2158.0	2117.0	2090.4	2052.7	2026.0	1999.4
32.5°	2161.3	2134.7	2100.3	2075.9	2064.9	2026.0	1991.7	1959.5	1927.3	1906.3	1879.7
35°	1983.9	1960.6	1931.8	1918.5	1904.1	1879.7	1851.9	1824.2	1798.7	1778.7	1754.3
37.5°	1804.3	1781.0	1763.2	1748.8	1739.9	1717.8	1701.1	1680.0	1662.3	1643.5	1630.1
40°	1617.9	1611.3	1592.4	1585.8	1583.6	1559.2	1544.8	1528.1	1517.0	1505.9	1498.2
42.5°	1452.7	1441.6	1427.2	1428.3	1421.7	1408.4	1398.4	1387.3	1379.5	1374.0	1366.2
45°	1289.7	1280.8	1274.2	1279.7	1268.6	1264.2	1256.4	1255.3	1249.8	1239.8	1236.5
47.5°	1134.4	1133.3	1134.4	1131.1	1128.9	1126.7	1127.8	1122.3	1116.7	1113.4	1108.9
50°	992.5	993.6	995.8	999.2	991.4	994.7	993.6	992.5	992.5	989.2	991.4
52.5°	855.0	856.1	858.3	861.6	862.8	862.8	866.1	868.3	872.7	878.3	878.3
55°	725.2	733.0	737.4	743.0	739.7	746.3	749.6	759.6	763.0	763.0	767.4
57.5°	609.9	617.7	621.0	627.7	629.9	635.4	644.3	649.8	657.6	664.3	670.9
60°	504.6	507.9	516.8	526.7	524.5	537.8	544.5	553.4	563.3	567.8	576.7
62.5°	410.3	414.7	421.4	424.7	432.5	439.1	454.7	463.5	472.4	483.5	492.4
65°	326.0	330.5	337.1	343.8	347.1	357.1	364.8	380.4	388.1	400.3	410.3
67.5°	249.5	256.2	261.7	266.1	268.4	278.3	290.5	297.2	311.6	323.8	331.6
70°	186.3	191.8	198.5	197.4	201.8	209.6	218.5	228.4	239.5	250.6	259.5
72.5°	129.7	135.3	139.7	140.8	145.3	150.8	157.5	165.2	174.1	185.2	197.4
75°	82.1	83.2	87.6	89.8	92.0	98.7	104.2	112.0	119.8	128.6	136.4
77.5°	41.0	44.4	46.6	48.8	49.9	55.4	61.0	67.6	74.3	83.2	90.9
80°	15.5	16.6	20.0	21.1	23.3	26.6	31.1	34.4	39.9	46.6	51.0
82.5°	5.5	6.7	7.8	7.8	8.9	11.1	12.2	15.5	18.9	21.1	23.3
85°	2.2	2.2	2.2	2.2	2.2	3.3	3.3	4.4	5.5	6.7	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P879485

CATALOG NUMBER: LD4C70D010 EU4709040 4LBLDWWLI

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3	2965.3
2.5°	2953.1	2953.1	2952.0	2950.9	2950.9	2950.9	2949.8	2949.8
5°	2926.5	2923.2	2922.1	2919.8	2918.7	2917.6	2914.3	2914.3
7.5°	2883.3	2878.8	2875.5	2872.2	2867.7	2864.4	2864.4	2860.0
10°	2825.6	2816.7	2812.3	2807.8	2802.3	2795.6	2793.4	2790.1
12.5°	2755.7	2738.0	2733.5	2725.8	2716.9	2712.5	2704.7	2704.7
15°	2669.2	2650.4	2640.4	2636.0	2624.9	2617.1	2613.8	2604.9
17.5°	2568.3	2553.9	2538.4	2531.7	2519.5	2509.5	2505.1	2504.0
20°	2466.3	2443.0	2433.0	2423.0	2408.6	2399.8	2393.1	2384.2
22.5°	2348.7	2327.7	2313.3	2306.6	2294.4	2278.9	2267.8	2267.8
25°	2224.5	2205.7	2197.9	2183.5	2169.1	2163.5	2150.2	2148.0
27.5°	2105.9	2087.0	2071.5	2063.7	2047.1	2039.3	2028.3	2023.8
30°	1982.8	1960.6	1949.5	1948.4	1928.5	1920.7	1911.8	1907.4
32.5°	1859.7	1840.8	1829.8	1823.1	1814.2	1800.9	1793.2	1788.7
35°	1737.7	1725.5	1715.5	1707.8	1693.4	1686.7	1680.0	1674.5
37.5°	1610.2	1599.1	1594.7	1588.0	1581.4	1569.2	1566.9	1562.5
40°	1487.1	1472.7	1472.7	1468.2	1461.6	1460.5	1457.2	1457.2
42.5°	1358.5	1351.8	1350.7	1351.8	1347.4	1345.1	1341.8	1349.6
45°	1230.9	1234.3	1228.7	1229.8	1227.6	1232.0	1232.0	1236.5
47.5°	1113.4	1108.9	1111.2	1113.4	1116.7	1116.7	1115.6	1114.5
50°	988.1	992.5	996.9	991.4	993.6	994.7	989.2	990.3
52.5°	880.5	881.6	884.9	881.6	884.9	883.8	886.0	881.6
55°	776.3	776.3	780.7	781.8	782.9	786.2	787.3	790.7
57.5°	675.3	680.9	686.4	685.3	689.8	694.2	690.9	694.2
60°	587.7	592.2	597.7	599.9	603.3	605.5	605.5	607.7
62.5°	499.0	507.9	512.3	516.8	516.8	521.2	525.6	526.7
65°	419.2	429.2	432.5	435.8	438.0	442.5	448.0	446.9
67.5°	343.8	350.4	354.9	357.1	363.7	366.0	370.4	374.8
70°	269.5	278.3	281.7	286.1	291.7	296.1	300.5	302.7
72.5°	206.3	212.9	215.1	219.6	225.1	229.6	231.8	235.1
75°	144.2	155.3	156.4	159.7	164.1	169.7	173.0	171.9
77.5°	95.4	103.1	104.2	108.7	113.1	117.5	118.7	119.8
80°	56.6	61.0	62.1	64.3	67.6	69.9	72.1	74.3
82.5°	26.6	28.8	31.1	31.1	33.3	35.5	35.5	36.6
85°	8.9	8.9	10.0	10.0	11.1	11.1	12.2	11.1
87.5°	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)