

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: P879493

Luminaire Tested: **LD4C75D010 EU4759035 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: P879493
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: LD4C75D010 EU4759035 4LBLDWWLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBLDWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

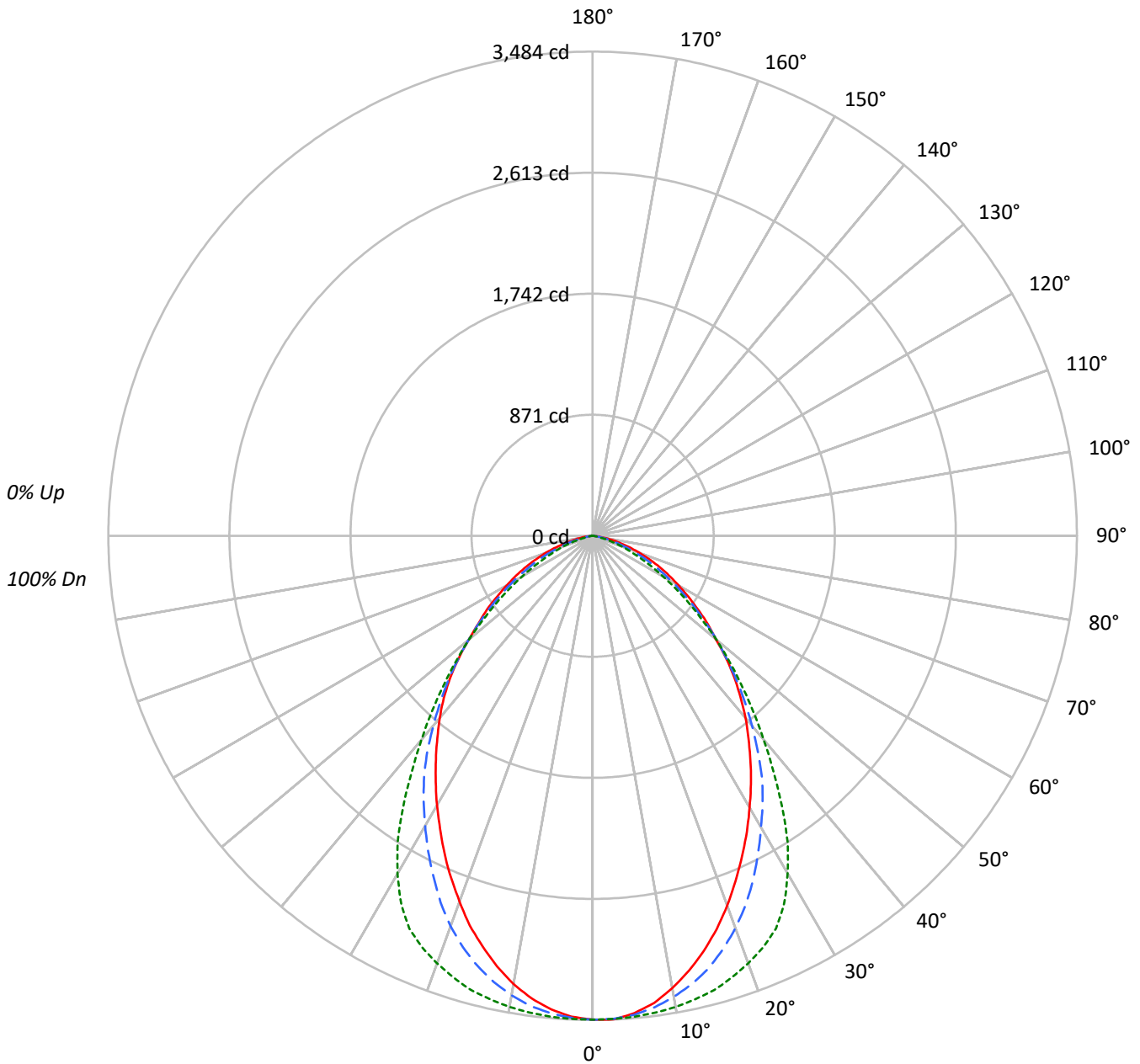
Lumens per Lamp: N/A
Luminaire Lumens: 6394.0 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1.19 / 1.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P879493

CATALOG NUMBER: LD4C75D010 EU4759035 4LBLDWWLI

Luminous Intensity Polar Plot





TEST NUMBER: P879493

CATALOG NUMBER: LD4C75D010 EU4759035 4LBLDWWLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	427714	427714	427714
5°	425168	428386	421961
10°	412220	429435	408652
15°	393288	430376	388990
20°	370054	427931	365975
25°	344686	422860	341853
30°	320261	398212	317679
35°	296998	356164	294854
40°	274576	307148	274368
45°	250187	262175	252220
50°	220980	221725	222222
55°	197996	181268	198831
60°	174992	143960	175312
65°	154040	109767	152528
70°	127660	78557	127660
75°	99491	45094	95788
80°	64452	11037	61693
85°	23822	3665	18325



TEST NUMBER: P879493

CATALOG NUMBER: LD4C75D010 EU4759035 4LBLDWWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.8	5.1
10°-20°	904.2	14.1
20°-30°	1264.0	19.8
30°-40°	1333.3	20.9
40°-50°	1134.3	17.7
50°-60°	800.4	12.5
60°-70°	453.7	7.1
70°-80°	161.9	2.5
80°-90°	15.5	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°	2495.0	39.0
0°-40°	3828.3	59.9
0°-60°	5762.9	90.1
0°-90°	6394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6394.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3482	3482	3482	3482	3482	
5°	3448	3459	3474	3449	3422	325
15°	3092	3222	3384	3204	3058	867
25°	2543	2733	3120	2708	2522	1170
35°	1980	2124	2375	2112	1966	1238
45°	1440	1461	1509	1467	1452	1107
55°	924	893	846	896	928	830
65°	530	454	378	456	525	525
75°	210	143	95	141	202	227
85°	17	6	3	6	13	30
90°	0	0	0	0	0	



TEST NUMBER: P879493

CATALOG NUMBER: LD4C75D010 EU4759035 4LBDWWLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3484.1	3477.6	3477.6	3477.6	3477.6	3477.6	3477.6	3477.6	3477.6	3478.9	3478.9
5°	3447.6	3445.0	3443.7	3443.7	3443.7	3443.7	3445.0	3450.2	3452.9	3456.8	3459.4
7.5°	3390.4	3385.1	3387.8	3387.8	3390.4	3393.0	3396.9	3402.1	3409.9	3415.1	3421.6
10°	3304.4	3299.2	3305.7	3308.3	3316.1	3320.0	3326.6	3334.4	3350.0	3357.8	3368.2
12.5°	3204.2	3201.6	3204.2	3214.6	3222.4	3227.6	3235.4	3252.3	3268.0	3284.9	3303.1
15°	3092.2	3085.7	3089.6	3102.6	3115.6	3124.8	3131.3	3153.4	3174.2	3200.3	3222.4
17.5°	2967.2	2958.1	2968.5	2978.9	2995.9	3003.7	3012.8	3037.5	3066.2	3094.8	3119.5
20°	2830.5	2827.9	2834.4	2848.7	2865.7	2876.1	2883.9	2911.2	2936.0	2975.0	3003.7
22.5°	2688.6	2691.2	2696.4	2712.0	2723.7	2738.1	2749.8	2774.5	2803.2	2839.6	2876.1
25°	2542.8	2546.7	2555.8	2566.2	2585.7	2593.5	2607.9	2633.9	2658.6	2692.5	2732.9
27.5°	2402.2	2403.5	2413.9	2419.1	2437.3	2454.2	2460.7	2488.1	2516.7	2542.8	2577.9
30°	2257.6	2261.5	2268.0	2282.4	2300.6	2307.1	2314.9	2339.7	2361.8	2394.3	2421.7
32.5°	2119.6	2117.0	2124.8	2132.6	2153.5	2165.2	2169.1	2197.7	2217.3	2249.8	2275.9
35°	1980.3	1973.8	1985.5	1993.3	2011.6	2022.0	2027.2	2049.3	2067.5	2094.9	2123.5
37.5°	1841.0	1846.2	1851.4	1857.9	1867.0	1869.6	1885.3	1890.5	1913.9	1934.7	1950.4
40°	1712.1	1709.5	1706.9	1713.4	1725.1	1730.3	1731.6	1746.0	1751.2	1772.0	1783.7
42.5°	1574.1	1575.4	1574.1	1575.4	1581.9	1581.9	1585.8	1594.9	1598.8	1605.3	1619.7
45°	1440.0	1440.0	1436.1	1437.4	1438.7	1437.4	1438.7	1442.6	1450.4	1450.4	1460.8
47.5°	1300.7	1298.1	1303.3	1299.4	1296.8	1295.5	1299.4	1295.5	1303.3	1303.3	1305.9
50°	1156.2	1156.2	1162.7	1161.4	1164.0	1158.8	1160.1	1160.1	1161.4	1160.1	1165.3
52.5°	1044.2	1041.6	1039.0	1032.5	1035.1	1029.9	1029.9	1031.2	1027.3	1026.0	1019.5
55°	924.4	927.0	923.1	920.5	920.5	915.3	914.0	906.2	901.0	897.1	893.2
57.5°	816.3	818.9	817.6	811.1	803.3	804.6	802.0	794.2	782.5	774.7	768.2
60°	712.2	714.8	712.2	705.7	703.1	697.9	696.6	686.1	677.0	666.6	658.8
62.5°	618.4	618.4	617.1	608.0	601.5	602.8	596.3	588.5	576.8	562.5	550.7
65°	529.9	528.6	522.1	518.2	513.0	506.5	502.6	490.8	481.7	470.0	454.4
67.5°	441.4	437.5	434.9	431.0	419.2	417.9	412.7	402.3	389.3	380.2	367.2
70°	355.4	354.1	348.9	348.9	339.8	335.9	328.1	319.0	307.3	294.2	283.8
72.5°	281.2	278.6	273.4	268.2	260.4	257.8	251.3	242.2	231.8	218.7	205.7
75°	209.6	207.0	205.7	199.2	192.7	186.2	183.6	174.5	164.0	154.9	143.2
77.5°	147.1	144.5	140.6	136.7	132.8	128.9	125.0	117.2	108.1	100.3	89.8
80°	91.1	88.5	85.9	84.6	80.7	79.4	74.2	70.3	62.5	57.3	50.8
82.5°	46.9	46.9	44.3	43.0	40.4	39.1	37.8	33.9	29.9	26.0	22.1
85°	16.9	16.9	15.6	14.3	14.3	13.0	13.0	11.7	9.1	9.1	6.5
87.5°	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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: P879493

CATALOG NUMBER: LD4C75D010 EU4759035 4LBDWWLI

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3480.2	3478.9	3480.2	3480.2	3481.5	3481.5	3481.5	3480.2	3481.5	3480.2	3480.2
5°	3459.4	3463.3	3465.9	3468.5	3469.8	3471.1	3471.1	3472.4	3473.7	3473.7	3472.4
7.5°	3426.8	3434.6	3442.4	3447.6	3450.2	3452.9	3456.8	3459.4	3462.0	3460.7	3459.4
10°	3383.8	3396.9	3407.3	3417.7	3422.9	3426.8	3433.3	3438.5	3441.1	3442.4	3438.5
12.5°	3322.7	3340.9	3357.8	3374.7	3382.5	3387.8	3400.8	3409.9	3415.1	3415.1	3411.2
15°	3245.8	3271.9	3296.6	3318.7	3331.8	3339.6	3359.1	3372.1	3379.9	3383.8	3377.3
17.5°	3153.4	3183.3	3213.3	3241.9	3255.0	3266.7	3294.0	3312.2	3329.2	3331.8	3324.0
20°	3034.9	3072.7	3106.5	3141.7	3156.0	3174.2	3205.5	3235.4	3261.5	3273.2	3251.0
22.5°	2902.1	2943.8	2975.0	3018.0	3037.5	3057.0	3097.4	3135.2	3180.7	3205.5	3166.4
25°	2764.1	2799.3	2837.0	2878.7	2906.0	2926.9	2973.7	3021.9	3083.1	3119.5	3064.9
27.5°	2615.7	2646.9	2692.5	2738.1	2758.9	2784.9	2840.9	2893.0	2951.6	2984.1	2943.8
30°	2462.0	2501.1	2544.1	2585.7	2615.7	2640.4	2686.0	2730.3	2779.7	2807.1	2777.1
32.5°	2309.7	2347.5	2383.9	2429.5	2446.4	2468.6	2508.9	2546.7	2584.4	2609.2	2574.0
35°	2149.6	2183.4	2217.3	2248.5	2256.3	2282.4	2314.9	2337.1	2355.3	2374.8	2351.4
37.5°	1975.1	2001.1	2018.1	2051.9	2064.9	2068.8	2094.9	2110.5	2130.0	2133.9	2132.6
40°	1798.0	1821.5	1835.8	1856.6	1867.0	1867.0	1885.3	1899.6	1913.9	1915.2	1913.9
42.5°	1632.7	1644.4	1656.1	1669.1	1666.5	1682.2	1690.0	1696.5	1706.9	1706.9	1709.5
45°	1466.0	1475.1	1485.6	1488.2	1498.6	1498.6	1505.1	1507.7	1512.9	1509.0	1503.8
47.5°	1311.1	1315.0	1316.3	1328.0	1330.6	1321.5	1329.3	1330.6	1329.3	1329.3	1326.7
50°	1164.0	1166.6	1165.3	1161.4	1162.7	1166.6	1162.7	1157.5	1160.1	1160.1	1162.7
52.5°	1020.8	1015.5	1012.9	1012.9	1007.7	1007.7	1001.2	998.6	997.3	992.1	998.6
55°	889.3	881.4	869.7	867.1	863.2	861.9	854.1	847.6	845.0	846.3	845.0
57.5°	763.0	751.2	743.4	740.8	736.9	729.1	720.0	713.5	712.2	709.6	709.6
60°	648.4	635.4	623.6	611.9	613.2	608.0	598.9	595.0	591.1	585.9	589.8
62.5°	544.2	529.9	516.9	505.2	497.4	493.5	486.9	480.4	476.5	472.6	477.8
65°	441.4	429.7	415.3	403.6	399.7	395.8	389.3	378.9	377.6	377.6	380.2
67.5°	348.9	335.9	322.9	315.1	309.9	304.7	302.1	296.9	292.9	290.3	291.6
70°	268.2	255.2	244.8	237.0	233.1	231.8	222.6	221.3	220.0	218.7	217.4
72.5°	195.3	184.9	175.8	170.6	165.4	161.4	158.8	154.9	153.6	153.6	153.6
75°	134.1	126.3	115.9	109.4	106.8	102.9	99.0	96.3	93.7	95.0	95.0
77.5°	80.7	72.9	66.4	61.2	59.9	56.0	52.1	49.5	45.6	45.6	46.9
80°	44.3	37.8	32.5	28.6	26.0	24.7	20.8	19.5	16.9	15.6	15.6
82.5°	19.5	15.6	13.0	11.7	10.4	9.1	7.8	6.5	6.5	5.2	6.5
85°	6.5	5.2	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	1.3	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: P879493

CATALOG NUMBER: LD4C75D010 EU4759035 4LBLDWWLI

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3478.9	3478.9	3477.6	3477.6	3477.6	3475.0	3475.0	3473.7	3472.4	3471.1	3468.5
5°	3469.8	3468.5	3465.9	3464.6	3463.3	3459.4	3455.5	3452.9	3448.9	3443.7	3441.1
7.5°	3456.8	3452.9	3447.6	3445.0	3441.1	3432.0	3425.5	3419.0	3412.5	3403.4	3393.0
10°	3434.6	3426.8	3419.0	3413.8	3407.3	3395.6	3382.5	3372.1	3357.8	3344.8	3330.5
12.5°	3403.4	3394.3	3378.6	3370.8	3363.0	3346.1	3329.2	3307.0	3287.5	3269.3	3252.3
15°	3364.3	3347.4	3329.2	3318.7	3307.0	3279.7	3253.6	3230.2	3204.2	3182.0	3154.7
17.5°	3307.0	3282.3	3256.3	3244.5	3228.9	3197.7	3166.4	3133.9	3103.9	3076.6	3042.7
20°	3221.1	3193.8	3159.9	3141.7	3128.7	3087.0	3057.0	3020.6	2989.3	2955.5	2917.7
22.5°	3120.8	3083.1	3045.3	3019.3	3005.0	2963.3	2922.9	2890.4	2856.5	2817.5	2790.1
25°	3007.6	2960.7	2915.1	2889.1	2867.0	2822.7	2783.6	2749.8	2708.1	2674.3	2646.9
27.5°	2880.0	2826.6	2773.2	2747.2	2726.3	2678.2	2636.5	2601.4	2561.0	2531.0	2502.4
30°	2727.6	2679.5	2628.7	2607.9	2583.1	2533.7	2485.5	2454.2	2410.0	2378.7	2347.5
32.5°	2537.6	2506.3	2466.0	2437.3	2424.3	2378.7	2338.4	2300.6	2262.8	2238.1	2206.9
35°	2329.2	2301.9	2268.0	2252.4	2235.5	2206.9	2174.3	2141.8	2111.8	2088.4	2059.7
37.5°	2118.3	2091.0	2070.1	2053.2	2042.8	2016.8	1997.2	1972.5	1951.7	1929.5	1913.9
40°	1899.6	1891.8	1869.6	1861.8	1859.2	1830.6	1813.7	1794.1	1781.1	1768.1	1759.0
42.5°	1705.6	1692.6	1675.6	1677.0	1669.1	1653.5	1641.8	1628.8	1619.7	1613.2	1604.0
45°	1514.2	1503.8	1496.0	1502.5	1489.5	1484.3	1475.1	1473.8	1467.3	1455.6	1451.7
47.5°	1331.9	1330.6	1331.9	1328.0	1325.4	1322.8	1324.1	1317.6	1311.1	1307.2	1302.0
50°	1165.3	1166.6	1169.2	1173.1	1164.0	1167.9	1166.6	1165.3	1165.3	1161.4	1164.0
52.5°	1003.8	1005.1	1007.7	1011.6	1012.9	1012.9	1016.8	1019.5	1024.7	1031.2	1031.2
55°	851.5	860.6	865.8	872.3	868.4	876.2	880.1	891.9	895.8	895.8	901.0
57.5°	716.1	725.2	729.1	736.9	739.5	746.0	756.5	763.0	772.1	779.9	787.7
60°	592.4	596.3	606.7	618.4	615.8	631.5	639.3	649.7	661.4	666.6	677.0
62.5°	481.7	486.9	494.8	498.7	507.8	515.6	533.8	544.2	554.6	567.7	578.1
65°	382.8	388.0	395.8	403.6	407.5	419.2	428.4	446.6	455.7	470.0	481.7
67.5°	292.9	300.8	307.3	312.5	315.1	326.8	341.1	348.9	365.9	380.2	389.3
70°	218.7	225.2	233.1	231.8	237.0	246.1	256.5	268.2	281.2	294.2	304.7
72.5°	152.3	158.8	164.0	165.4	170.6	177.1	184.9	194.0	204.4	217.4	231.8
75°	96.3	97.6	102.9	105.5	108.1	115.9	122.4	131.5	140.6	151.0	160.1
77.5°	48.2	52.1	54.7	57.3	58.6	65.1	71.6	79.4	87.2	97.6	106.8
80°	18.2	19.5	23.4	24.7	27.3	31.2	36.5	40.4	46.9	54.7	59.9
82.5°	6.5	7.8	9.1	9.1	10.4	13.0	14.3	18.2	22.1	24.7	27.3
85°	2.6	2.6	2.6	2.6	2.6	3.9	3.9	5.2	6.5	7.8	7.8
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: P879493

CATALOG NUMBER: LD4C75D010 EU4759035 4LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3467.2	3467.2	3465.9	3464.6	3464.6	3464.6	3463.3	3463.3
5°	3435.9	3432.0	3430.7	3428.1	3426.8	3425.5	3421.6	3421.6
7.5°	3385.1	3379.9	3376.0	3372.1	3366.9	3363.0	3363.0	3357.8
10°	3317.4	3307.0	3301.8	3296.6	3290.1	3282.3	3279.7	3275.8
12.5°	3235.4	3214.6	3209.4	3200.3	3189.9	3184.6	3175.5	3175.5
15°	3133.9	3111.7	3100.0	3094.8	3081.8	3072.7	3068.8	3058.4
17.5°	3015.4	2998.5	2980.2	2972.4	2958.1	2946.4	2941.2	2939.9
20°	2895.6	2868.3	2856.5	2844.8	2827.9	2817.5	2809.7	2799.3
22.5°	2757.6	2732.9	2715.9	2708.1	2693.8	2675.6	2662.5	2662.5
25°	2611.8	2589.6	2580.5	2563.6	2546.7	2540.2	2524.5	2521.9
27.5°	2472.5	2450.3	2432.1	2423.0	2403.5	2394.3	2381.3	2376.1
30°	2327.9	2301.9	2288.9	2287.6	2264.1	2255.0	2244.6	2239.4
32.5°	2183.4	2161.3	2148.3	2140.5	2130.0	2114.4	2105.3	2100.1
35°	2040.2	2025.9	2014.2	2005.0	1988.1	1980.3	1972.5	1966.0
37.5°	1890.5	1877.5	1872.2	1864.4	1856.6	1842.3	1839.7	1834.5
40°	1746.0	1729.0	1729.0	1723.8	1716.0	1714.7	1710.8	1710.8
42.5°	1594.9	1587.1	1585.8	1587.1	1581.9	1579.3	1575.4	1584.5
45°	1445.2	1449.1	1442.6	1443.9	1441.3	1446.5	1446.5	1451.7
47.5°	1307.2	1302.0	1304.6	1307.2	1311.1	1311.1	1309.8	1308.5
50°	1160.1	1165.3	1170.5	1164.0	1166.6	1167.9	1161.4	1162.7
52.5°	1033.8	1035.1	1039.0	1035.1	1039.0	1037.7	1040.3	1035.1
55°	911.4	911.4	916.6	917.9	919.2	923.1	924.4	928.3
57.5°	792.9	799.4	805.9	804.6	809.8	815.0	811.1	815.0
60°	690.0	695.3	701.8	704.4	708.3	710.9	710.9	713.5
62.5°	585.9	596.3	601.5	606.7	606.7	611.9	617.1	618.4
65°	492.1	503.9	507.8	511.7	514.3	519.5	526.0	524.7
67.5°	403.6	411.4	416.6	419.2	427.0	429.7	434.9	440.1
70°	316.4	326.8	330.7	335.9	342.4	347.6	352.8	355.4
72.5°	242.2	250.0	252.6	257.8	264.3	269.5	272.1	276.0
75°	169.3	182.3	183.6	187.5	192.7	199.2	203.1	201.8
77.5°	112.0	121.1	122.4	127.6	132.8	138.0	139.3	140.6
80°	66.4	71.6	72.9	75.5	79.4	82.0	84.6	87.2
82.5°	31.2	33.9	36.5	36.5	39.1	41.7	41.7	43.0
85°	10.4	10.4	11.7	11.7	13.0	13.0	14.3	13.0
87.5°	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3
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)