

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: P880600

Luminaire Tested: **LD4C65D010 EU4659040 4LBDWNH**

Issue Date: 10/4/2024

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: P880600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P251940)
Test Lab: INNOVATION CENTER
Issue Date: 10/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C65D010 EU4659040 4LBDWNH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBDWN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

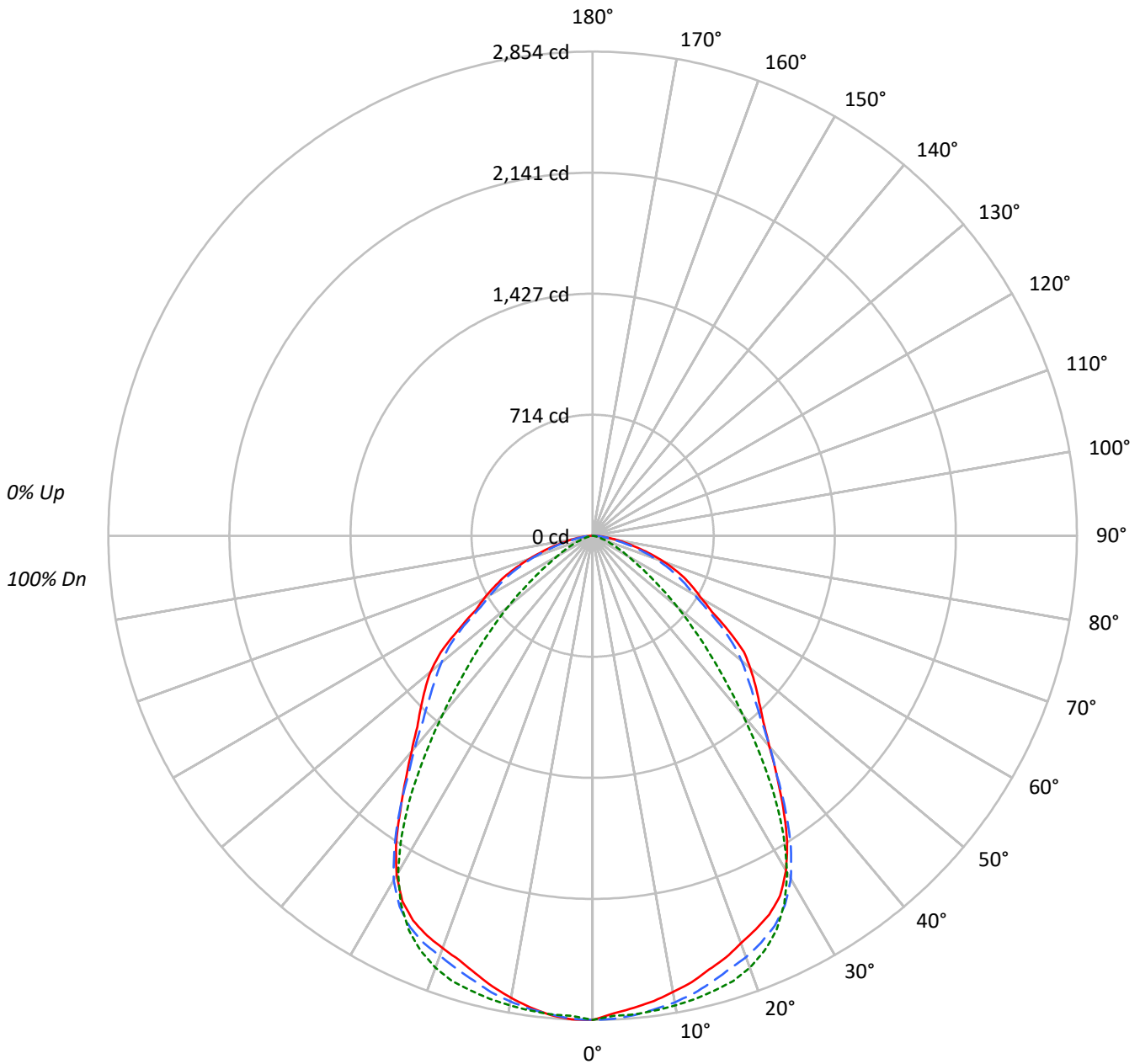
Lumens per Lamp: N/A
Luminaire Lumens: 5808.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.18 / 1.19
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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: P880600

CATALOG NUMBER: LD4C65D010 EU4659040 4LBDWNH

Luminous Intensity Polar Plot





TEST NUMBER: P880600

CATALOG NUMBER: LD4C65D010 EU4659040 4LBDWNH

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				100				
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	89	88				88				
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76				76				
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72	68	66				66				
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58				58				
5	81	69	61	55	79	68	61	55	66	60	54	64	58	54	63	57	53	51				51				
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46				46				
7	70	58	50	44	68	57	49	44	56	49	44	54	48	43	53	47	43	41				41				
8	66	53	45	40	64	52	45	40	51	44	40	50	44	39	49	43	39	37				37				
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34				34				
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31				31				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	350599	350599	350599
5°	344379	349238	349768
10°	340676	350544	345055
15°	336728	352907	339514
20°	334049	354169	338075
25°	333883	347574	339223
30°	323240	325127	327609
35°	293669	279871	296308
40°	259822	220370	266140
45°	241031	167799	248676
50°	231607	124213	238315
55°	209712	85590	206863
60°	182315	58257	181258
65°	176133	42151	167179
70°	159269	28413	141884
75°	131246	18702	112544
80°	105628	12452	83837
85°	86830	6061	55538



TEST NUMBER: P880600

CATALOG NUMBER: LD4C65D010 EU4659040 4LBDWNH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.4	4.6
10°-20°	770.3	13.3
20°-30°	1163.7	20.0
30°-40°	1217.8	21.0
40°-50°	986.3	17.0
50°-60°	717.4	12.4
60°-70°	442.5	7.6
70°-80°	199.9	3.4
80°-90°	40.6	0.7
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°	2203.4	37.9
0°-40°	3421.2	58.9
0°-60°	5125.0	88.2
0°-90°	5808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5808.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2854	2854	2854	2854	2854	
5°	2792	2836	2832	2832	2836	265
15°	2648	2722	2775	2713	2669	748
25°	2463	2538	2564	2546	2502	1129
35°	1958	1985	1866	1985	1976	1220
45°	1387	1344	966	1361	1431	1078
55°	979	918	400	926	966	874
65°	606	544	145	536	575	593
75°	276	237	39	206	237	300
85°	62	48	4	35	39	71
90°	0	0	0	0	0	



TEST NUMBER: P880600

CATALOG NUMBER: LD4C65D010 EU4659040 4LBDWNH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8
2.5°	2818.7	2818.7	2845.1	2875.6	2849.5	2823.0	2840.5	2831.9	2862.7	2862.7	2849.5
5°	2792.5	2801.1	2823.0	2849.5	2827.6	2801.1	2823.0	2814.4	2845.1	2845.1	2836.2
7.5°	2766.0	2770.3	2796.8	2827.6	2805.4	2779.3	2796.8	2792.5	2818.7	2823.0	2814.4
10°	2730.9	2735.2	2761.7	2792.5	2770.3	2748.5	2766.0	2761.7	2796.8	2796.8	2792.5
12.5°	2695.8	2700.1	2726.6	2752.8	2730.9	2709.0	2726.6	2726.6	2761.7	2766.0	2761.7
15°	2647.5	2656.1	2678.3	2704.5	2691.5	2665.0	2682.6	2682.6	2713.4	2722.0	2722.0
17.5°	2608.1	2612.4	2634.3	2660.7	2643.2	2621.0	2638.6	2638.6	2669.4	2678.3	2678.3
20°	2555.1	2564.1	2585.9	2612.4	2599.2	2581.6	2594.8	2594.8	2629.9	2638.6	2643.2
22.5°	2511.4	2520.0	2537.6	2573.0	2550.8	2537.6	2555.1	2550.8	2590.5	2594.8	2594.8
25°	2463.1	2472.0	2493.8	2515.7	2502.5	2489.5	2502.5	2502.5	2533.3	2537.6	2537.6
27.5°	2392.9	2397.2	2419.1	2441.2	2428.0	2410.4	2428.0	2423.6	2454.2	2458.7	2454.2
30°	2278.6	2287.6	2296.2	2327.0	2313.7	2300.5	2318.1	2309.4	2340.2	2340.2	2335.6
32.5°	2133.6	2133.6	2151.5	2173.3	2155.8	2146.9	2160.1	2164.4	2186.6	2186.6	2173.3
35°	1958.1	1967.1	1980.0	1993.2	1980.0	1971.4	1984.6	1980.0	2006.5	1997.6	1984.6
37.5°	1782.6	1787.0	1800.2	1817.7	1800.2	1787.0	1791.3	1787.0	1808.8	1808.8	1787.0
40°	1620.1	1629.0	1637.6	1655.2	1637.6	1629.0	1633.3	1620.1	1646.5	1637.6	1624.4
42.5°	1488.3	1492.6	1505.9	1514.8	1497.2	1492.6	1497.2	1488.3	1501.5	1492.6	1466.4
45°	1387.3	1387.3	1391.9	1404.9	1387.3	1383.0	1383.0	1374.1	1387.3	1369.8	1343.6
47.5°	1299.6	1303.9	1308.5	1317.1	1303.9	1290.9	1295.3	1277.7	1286.3	1273.1	1238.0
50°	1211.8	1220.5	1225.1	1233.7	1220.5	1211.8	1216.1	1198.6	1198.6	1176.7	1145.9
52.5°	1124.1	1128.4	1124.1	1132.7	1124.1	1110.8	1115.2	1097.6	1097.6	1071.4	1040.6
55°	979.1	983.4	988.0	996.6	988.0	974.8	983.4	970.4	970.4	952.6	917.5
57.5°	834.1	838.7	843.0	847.3	847.3	838.7	843.0	834.1	829.8	816.5	790.3
60°	742.0	742.0	742.0	746.3	742.0	737.7	737.7	728.8	728.8	711.2	685.0
62.5°	671.8	676.1	676.1	680.4	676.1	671.8	667.5	658.6	654.2	636.7	614.6
65°	605.9	605.9	601.6	610.2	605.9	601.6	601.6	592.7	584.0	566.5	544.3
67.5°	526.8	531.1	526.8	531.1	531.1	526.8	522.5	513.6	509.2	496.0	469.8
70°	443.4	443.4	443.4	448.0	443.4	443.4	448.0	434.7	430.4	412.6	390.7
72.5°	359.9	364.5	364.5	359.9	364.5	355.6	355.6	355.6	351.3	333.7	311.6
75°	276.5	281.1	281.1	285.4	281.1	276.5	276.5	272.2	267.9	254.6	237.1
77.5°	206.3	206.3	210.6	210.6	210.6	206.3	206.3	197.7	197.7	188.7	171.2
80°	149.3	149.3	145.0	149.3	149.3	145.0	145.0	140.4	140.4	131.8	118.5
82.5°	96.7	101.0	101.0	101.0	101.0	96.7	96.7	96.7	92.1	87.8	79.1
85°	61.6	61.6	61.6	61.6	65.9	61.6	65.9	61.6	61.6	52.7	48.3
87.5°	26.5	26.5	26.5	30.8	30.8	26.5	26.5	26.5	26.5	26.5	21.9
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: P880600

CATALOG NUMBER: LD4C65D010 EU4659040 4LBDWNH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8
2.5°	2849.5	2853.8	2840.5	2858.1	2845.1	2849.5	2853.8	2849.5	2831.9	2831.9	2880.2
5°	2831.9	2840.5	2827.6	2849.5	2840.5	2840.5	2849.5	2845.1	2827.6	2831.9	2875.6
7.5°	2814.4	2827.6	2818.7	2840.5	2827.6	2827.6	2836.2	2836.2	2818.7	2823.0	2862.7
10°	2787.9	2805.4	2801.1	2823.0	2810.0	2810.0	2823.0	2823.0	2805.4	2810.0	2849.5
12.5°	2766.0	2783.6	2779.3	2801.1	2792.5	2796.8	2801.1	2810.0	2787.9	2796.8	2831.9
15°	2730.9	2748.5	2748.5	2770.3	2761.7	2770.3	2779.3	2792.5	2774.7	2774.7	2810.0
17.5°	2691.5	2713.4	2713.4	2730.9	2730.9	2735.2	2752.8	2766.0	2748.5	2752.8	2783.6
20°	2647.5	2673.9	2673.9	2695.8	2691.5	2700.1	2713.4	2726.6	2709.0	2709.0	2744.2
22.5°	2603.5	2625.6	2629.9	2643.2	2643.2	2647.5	2660.7	2669.4	2647.5	2647.5	2682.6
25°	2542.2	2564.1	2568.4	2577.3	2568.4	2568.4	2577.3	2585.9	2564.1	2564.1	2594.8
27.5°	2458.7	2480.6	2480.6	2476.3	2467.4	2472.0	2467.4	2472.0	2449.8	2445.5	2476.3
30°	2335.6	2348.9	2348.9	2344.5	2331.3	2331.3	2318.1	2322.7	2291.9	2291.9	2318.1
32.5°	2169.0	2182.0	2173.3	2164.4	2146.9	2138.2	2129.3	2125.0	2094.2	2094.2	2125.0
35°	1971.4	1980.0	1967.1	1949.5	1927.4	1914.1	1901.2	1883.6	1861.5	1866.1	1883.6
37.5°	1769.4	1769.4	1751.8	1716.7	1699.2	1677.1	1655.2	1655.2	1620.1	1615.8	1629.0
40°	1598.2	1580.7	1549.9	1501.5	1470.8	1448.9	1418.1	1400.6	1374.1	1374.1	1396.2
42.5°	1444.6	1409.5	1369.8	1303.9	1273.1	1246.9	1207.5	1190.0	1159.2	1154.6	1167.8
45°	1308.5	1273.1	1216.1	1145.9	1106.5	1075.7	1018.5	996.6	970.4	965.8	974.8
47.5°	1198.6	1159.2	1089.0	996.6	957.2	917.5	860.5	829.8	807.9	794.7	807.9
50°	1101.9	1049.3	974.8	878.1	825.4	790.3	720.1	689.3	658.6	649.9	654.2
52.5°	996.6	944.0	864.9	763.9	715.5	662.9	597.0	553.3	526.8	513.6	526.8
55°	882.4	829.8	750.9	649.9	597.0	548.9	478.5	443.4	412.6	399.6	412.6
57.5°	759.5	711.2	641.0	540.0	491.7	448.0	382.1	347.0	316.2	307.3	316.2
60°	654.2	614.6	544.3	448.0	408.3	359.9	303.0	267.9	241.4	237.1	241.4
62.5°	584.0	540.0	474.1	382.1	342.4	303.0	250.3	215.2	193.1	188.7	193.1
65°	513.6	465.5	403.9	324.8	285.4	254.6	202.0	171.2	149.3	145.0	149.3
67.5°	434.7	390.7	338.1	267.9	237.1	206.3	162.5	131.8	114.2	109.9	114.2
70°	359.9	320.5	267.9	215.2	184.4	162.5	122.9	101.0	83.4	79.1	83.4
72.5°	285.4	250.3	206.3	162.5	145.0	122.9	96.7	74.5	61.6	57.0	61.6
75°	219.5	193.1	158.0	118.5	105.3	92.1	65.9	52.7	44.0	39.4	44.0
77.5°	153.6	136.1	109.9	87.8	74.5	65.9	48.3	35.1	30.8	26.5	30.8
80°	105.3	92.1	74.5	57.0	48.3	39.4	30.8	21.9	17.6	17.6	17.6
82.5°	70.2	57.0	44.0	35.1	30.8	26.5	17.6	13.2	13.2	8.9	8.9
85°	39.4	35.1	26.5	21.9	17.6	13.2	8.9	8.9	4.3	4.3	4.3
87.5°	17.6	13.2	8.9	8.9	4.3	4.3	4.3	4.3	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: P880600

CATALOG NUMBER: LD4C65D010 EU4659040 4LBDWNH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8
2.5°	2867.0	2853.8	2871.3	2853.8	2845.1	2853.8	2845.1	2871.3	2849.5	2831.9	2849.5
5°	2862.7	2845.1	2862.7	2849.5	2836.2	2840.5	2831.9	2858.1	2831.9	2818.7	2827.6
7.5°	2853.8	2840.5	2849.5	2836.2	2823.0	2827.6	2818.7	2840.5	2814.4	2801.1	2810.0
10°	2840.5	2827.6	2831.9	2823.0	2810.0	2810.0	2801.1	2818.7	2787.9	2770.3	2779.3
12.5°	2823.0	2805.4	2814.4	2801.1	2783.6	2783.6	2774.7	2787.9	2757.1	2739.6	2744.2
15°	2801.1	2783.6	2783.6	2770.3	2752.8	2752.8	2735.2	2748.5	2713.4	2695.8	2695.8
17.5°	2774.7	2752.8	2752.8	2739.6	2717.7	2713.4	2700.1	2713.4	2673.9	2656.1	2656.1
20°	2735.2	2717.7	2713.4	2704.5	2682.6	2678.3	2660.7	2665.0	2634.3	2621.0	2616.7
22.5°	2682.6	2665.0	2669.4	2656.1	2638.6	2634.3	2616.7	2629.9	2599.2	2585.9	2590.5
25°	2590.5	2581.6	2590.5	2585.9	2573.0	2573.0	2564.1	2573.0	2546.5	2537.6	2542.2
27.5°	2484.9	2480.6	2484.9	2484.9	2476.3	2476.3	2476.3	2489.5	2463.1	2458.7	2458.7
30°	2331.3	2331.3	2335.6	2340.2	2340.2	2348.9	2344.5	2362.1	2344.5	2335.6	2344.5
32.5°	2129.3	2146.9	2160.1	2160.1	2160.1	2169.0	2177.7	2190.9	2173.3	2177.7	2177.7
35°	1901.2	1914.1	1923.0	1944.9	1931.9	1962.5	1971.4	1988.9	1984.6	1993.2	1988.9
37.5°	1646.5	1664.1	1681.6	1712.4	1707.8	1742.9	1760.5	1795.6	1787.0	1804.5	1813.1
40°	1409.5	1435.7	1462.1	1484.0	1501.5	1536.6	1571.8	1615.8	1629.0	1642.0	1646.5
42.5°	1181.0	1207.5	1251.2	1282.0	1308.5	1365.5	1413.8	1466.4	1479.7	1505.9	1514.8
45°	996.6	1018.5	1071.4	1110.8	1132.7	1216.1	1273.1	1339.0	1361.1	1391.9	1404.9
47.5°	825.4	864.9	917.5	965.8	996.6	1084.4	1159.2	1229.4	1260.2	1295.3	1312.8
50°	676.1	720.1	790.3	834.1	878.1	974.8	1058.2	1132.7	1163.5	1202.9	1220.5
52.5°	553.3	601.6	667.5	715.5	763.9	864.9	952.6	1023.1	1062.5	1089.0	1115.2
55°	434.7	487.4	553.3	605.9	645.3	755.2	829.8	900.0	926.4	948.3	961.5
57.5°	338.1	377.5	443.4	487.4	535.7	632.1	706.9	759.5	781.4	807.9	816.5
60°	263.5	303.0	364.5	408.3	452.3	544.3	619.1	671.8	693.7	715.5	728.8
62.5°	210.6	250.3	307.3	347.0	386.4	469.8	535.7	588.4	614.6	636.7	649.9
65°	166.9	202.0	250.3	289.7	320.5	395.0	460.9	509.2	535.7	557.6	570.8
67.5°	131.8	162.5	206.3	232.8	263.5	324.8	382.1	425.8	448.0	474.1	487.4
70°	101.0	122.9	162.5	184.4	206.3	258.9	303.0	347.0	368.8	386.4	395.0
72.5°	74.5	92.1	122.9	140.4	153.6	197.7	232.8	263.5	281.1	298.6	307.3
75°	52.7	65.9	87.8	101.0	109.9	140.4	171.2	193.1	206.3	219.5	232.8
77.5°	35.1	44.0	57.0	65.9	74.5	96.7	114.2	131.8	145.0	158.0	162.5
80°	21.9	30.8	39.4	44.0	48.3	61.6	79.1	87.8	96.7	105.3	109.9
82.5°	13.2	17.6	21.9	26.5	30.8	39.4	48.3	57.0	61.6	70.2	74.5
85°	4.3	8.9	8.9	13.2	13.2	21.9	26.5	30.8	35.1	39.4	44.0
87.5°	0.0	0.0	4.3	4.3	4.3	4.3	8.9	8.9	8.9	8.9	8.9
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: P880600

CATALOG NUMBER: LD4C65D010 EU4659040 4LBDWNH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8	2853.8
2.5°	2867.0	2853.8	2845.1	2840.5	2871.3	2831.9	2849.5	2853.8
5°	2849.5	2836.2	2827.6	2823.0	2849.5	2814.4	2827.6	2836.2
7.5°	2823.0	2814.4	2801.1	2796.8	2823.0	2783.6	2801.1	2805.4
10°	2792.5	2779.3	2770.3	2766.0	2787.9	2748.5	2766.0	2766.0
12.5°	2752.8	2744.2	2726.6	2726.6	2744.2	2709.0	2722.0	2722.0
15°	2700.1	2691.5	2673.9	2673.9	2691.5	2656.1	2669.4	2669.4
17.5°	2656.1	2647.5	2634.3	2629.9	2647.5	2612.4	2625.6	2621.0
20°	2621.0	2612.4	2594.8	2594.8	2608.1	2573.0	2585.9	2585.9
22.5°	2590.5	2585.9	2568.4	2568.4	2585.9	2550.8	2559.7	2550.8
25°	2542.2	2537.6	2520.0	2524.6	2533.3	2498.2	2511.4	2502.5
27.5°	2463.1	2463.1	2445.5	2441.2	2454.2	2423.6	2432.3	2428.0
30°	2340.2	2344.5	2322.7	2322.7	2327.0	2300.5	2313.7	2309.4
32.5°	2173.3	2177.7	2160.1	2155.8	2169.0	2146.9	2155.8	2155.8
35°	1988.9	1993.2	1980.0	1980.0	1993.2	1980.0	1980.0	1975.7
37.5°	1804.5	1813.1	1804.5	1808.8	1817.7	1804.5	1813.1	1808.8
40°	1655.2	1664.1	1650.9	1659.5	1668.4	1655.2	1668.4	1659.5
42.5°	1519.1	1532.3	1523.4	1532.3	1541.0	1532.3	1541.0	1528.0
45°	1418.1	1427.0	1422.4	1427.0	1435.7	1431.3	1435.7	1431.3
47.5°	1321.4	1339.0	1330.4	1339.0	1352.2	1343.6	1352.2	1339.0
50°	1233.7	1246.9	1242.6	1251.2	1255.6	1251.2	1260.2	1246.9
52.5°	1119.5	1132.7	1128.4	1128.4	1137.0	1128.4	1137.0	1128.4
55°	970.4	974.8	974.8	979.1	974.8	970.4	974.8	965.8
57.5°	825.4	834.1	821.1	834.1	829.8	825.4	825.4	816.5
60°	733.1	746.3	737.7	746.3	742.0	742.0	742.0	737.7
62.5°	658.6	667.5	658.6	662.9	662.9	662.9	658.6	654.2
65°	575.1	588.4	579.4	584.0	579.4	575.1	579.4	575.1
67.5°	491.7	496.0	496.0	491.7	491.7	491.7	491.7	483.1
70°	399.6	403.9	399.6	408.3	403.9	399.6	403.9	395.0
72.5°	311.6	316.2	311.6	316.2	311.6	311.6	311.6	311.6
75°	232.8	237.1	237.1	237.1	237.1	237.1	228.4	237.1
77.5°	166.9	166.9	166.9	171.2	166.9	166.9	166.9	166.9
80°	114.2	114.2	114.2	118.5	114.2	118.5	114.2	118.5
82.5°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
85°	39.4	44.0	44.0	39.4	39.4	39.4	39.4	39.4
87.5°	8.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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)