

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P212846

Luminaire Tested: **LE_6B50D010R EC6B30509727 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B50D010R EC6B30509727 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

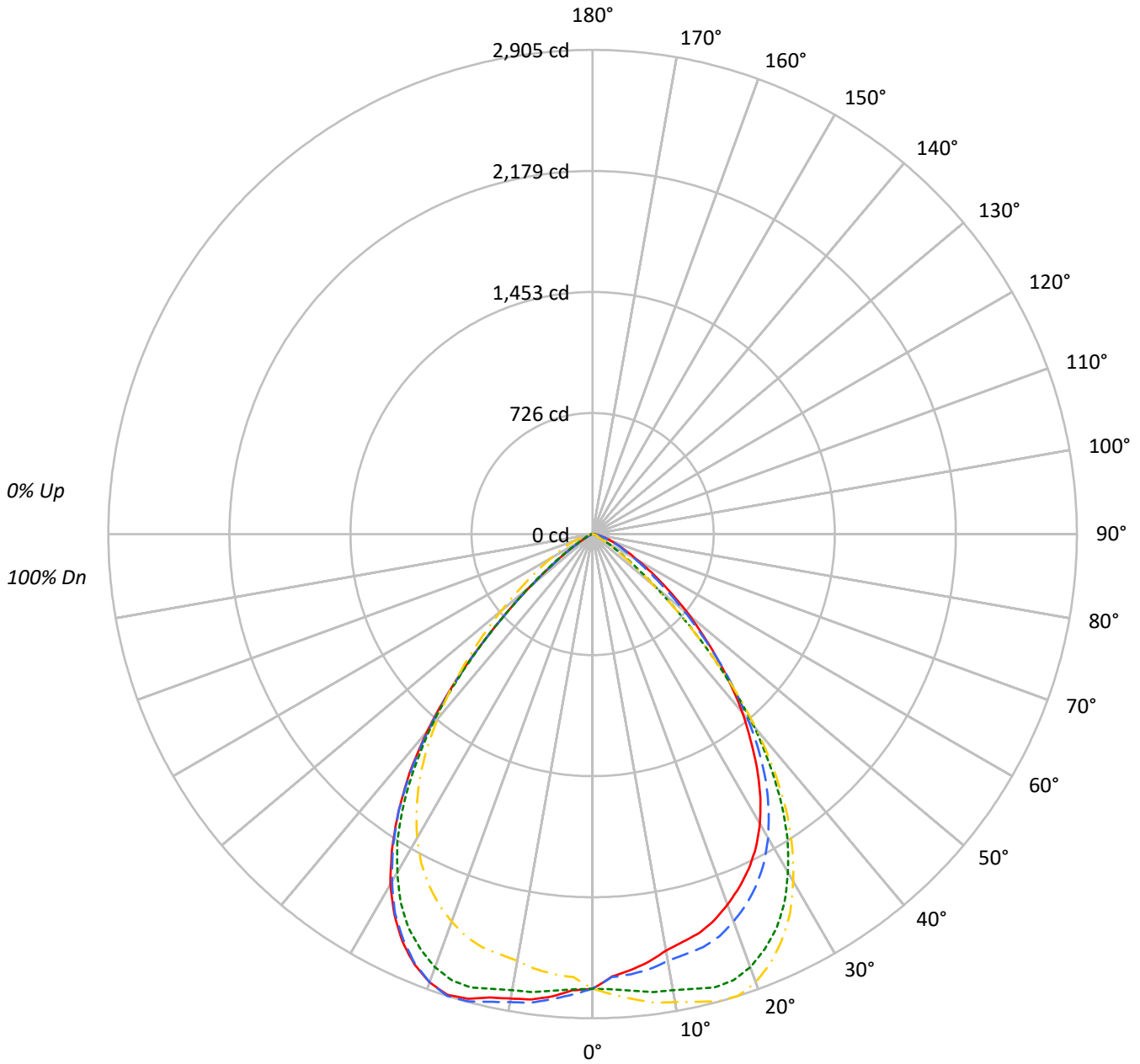
Lumens per Lamp: N/A
Luminaire Lumens: 4560.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 58.8
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



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Luminous Intensity Polar Plot





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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	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91																			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82																			
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73																			
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66																			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60																			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54																			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49																			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45																			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42																			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	149517	149517	149517	149517
5°	144497	151309	153235	151309
10°	141219	154651	157479	154651
15°	140557	159842	163798	159842
20°	137999	161335	166895	161335
25°	134052	157866	163249	157866
30°	127020	148327	153555	148327
35°	115168	132166	135780	132166
40°	99973	107702	110428	107702
45°	81962	74341	74829	74341
50°	64441	41704	40894	41704
55°	47645	20635	18504	20635
60°	33769	9045	6622	9045
65°	25113	5772	4125	5772
70°	18304	4584	3045	4584
75°	13450	3368	2012	3368
80°	9029	2999	979	2999
85°	5975	1950	1950	1950



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.1	5.7
10°-20°	773.3	17.0
20°-30°	1154.0	25.3
30°-40°	1185.7	26.0
40°-50°	767.8	16.8
50°-60°	285.5	6.3
60°-70°	93.7	2.1
70°-80°	33.1	0.7
80°-90°	5.9	0.1
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°	2188.4	48.0
0°-40°	3374.1	74.0
0°-60°	4427.4	97.1
0°-90°	4560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4560.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2727	2727	2727	2727	2727	
5°	2626	2750	2785	2750	2626	248
15°	2477	2816	2886	2816	2477	697
25°	2216	2610	2699	2610	2216	1016
35°	1721	1975	2029	1975	1721	1068
45°	1057	959	965	959	1057	817
55°	498	216	194	216	498	454
65°	194	44	32	44	194	197
75°	64	16	10	16	64	70
85°	10	3	3	3	10	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4
2.5°	2657.5	2695.6	2670.2	2686.1	2660.8	2660.8	2711.5	2683.0	2705.2	2683.0	2660.8
5°	2625.8	2673.5	2641.6	2657.5	2635.4	2638.5	2686.1	2663.9	2686.1	2670.2	2651.2
7.5°	2587.8	2635.4	2606.8	2622.6	2600.4	2606.8	2657.5	2635.4	2660.8	2644.9	2632.1
10°	2536.9	2587.8	2562.2	2578.1	2559.1	2562.2	2613.1	2597.2	2619.5	2609.9	2600.4
12.5°	2505.1	2552.8	2524.2	2540.1	2527.4	2533.8	2581.4	2568.6	2597.2	2587.8	2581.4
15°	2476.6	2521.0	2495.6	2511.5	2502.0	2505.1	2556.0	2543.2	2575.0	2568.6	2565.5
17.5°	2429.0	2476.6	2448.0	2467.0	2457.5	2460.8	2511.5	2502.0	2533.8	2533.8	2530.5
20°	2365.5	2413.1	2390.9	2403.5	2397.2	2403.5	2448.0	2441.6	2473.4	2473.4	2473.4
22.5°	2295.6	2343.2	2317.9	2330.5	2324.1	2333.8	2375.0	2375.0	2400.4	2403.5	2406.8
25°	2216.2	2263.9	2238.5	2254.4	2248.0	2254.4	2292.4	2295.6	2317.9	2317.9	2324.1
27.5°	2121.0	2168.6	2143.2	2155.9	2152.8	2155.9	2197.1	2203.5	2216.2	2219.4	2225.8
30°	2006.6	2051.1	2025.8	2038.4	2038.4	2038.4	2079.8	2082.9	2095.6	2098.8	2105.1
32.5°	1873.2	1911.4	1892.4	1905.0	1901.9	1908.2	1936.9	1949.5	1965.4	1962.2	1965.4
35°	1720.9	1762.1	1743.1	1752.6	1755.9	1765.4	1784.4	1800.2	1803.5	1806.6	1813.0
37.5°	1555.8	1597.1	1578.0	1587.5	1590.8	1609.8	1616.1	1632.0	1638.4	1638.4	1638.4
40°	1397.0	1416.1	1400.2	1409.8	1412.9	1428.8	1435.1	1447.9	1454.2	1451.0	1447.9
42.5°	1225.6	1241.5	1225.6	1235.1	1235.1	1247.9	1251.0	1266.9	1266.9	1260.5	1251.0
45°	1057.2	1073.1	1057.2	1063.6	1063.6	1076.4	1076.4	1076.4	1082.8	1073.1	1057.2
47.5°	898.5	914.4	898.5	904.9	901.8	911.2	908.1	911.2	901.8	895.4	876.4
50°	755.6	762.0	755.6	752.5	755.6	762.0	758.9	758.9	746.1	736.6	714.4
52.5°	616.0	625.5	616.0	616.0	616.0	622.4	622.4	619.1	606.5	593.8	571.5
55°	498.5	504.9	501.6	498.5	498.5	504.9	498.5	498.5	485.8	476.2	454.0
57.5°	396.9	400.1	396.9	396.9	396.9	400.1	400.1	393.8	384.2	374.6	358.8
60°	308.0	311.1	311.1	308.0	308.0	314.4	314.4	311.1	301.6	295.2	279.4
62.5°	244.5	244.5	244.5	244.5	244.5	247.6	247.6	247.6	241.2	235.0	222.2
65°	193.6	196.9	193.6	193.6	196.9	200.0	196.9	200.0	193.6	190.5	181.0
67.5°	149.2	152.4	149.2	152.4	152.4	155.6	152.4	155.6	149.2	146.0	139.8
70°	114.2	114.2	114.2	114.2	114.2	117.5	114.2	117.5	114.2	111.1	104.8
72.5°	85.8	85.8	88.9	88.9	85.8	88.9	85.8	85.8	85.8	82.5	79.4
75°	63.5	63.5	66.6	63.5	63.5	63.5	63.5	63.5	60.4	60.4	57.1
77.5°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	41.2	41.2	38.1
80°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	25.4	25.4
82.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.9	15.9
85°	9.5	9.5	9.5	12.8	9.5	9.5	9.5	9.5	9.5	9.5	9.5
87.5°	3.1	3.1	3.1	6.4	3.1	3.1	6.4	6.4	3.1	3.1	3.1
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4
2.5°	2686.1	2695.6	2695.6	2686.1	2708.4	2689.4	2727.4	2692.5	2702.0	2733.8	2730.6
5°	2676.6	2689.4	2692.5	2686.1	2714.8	2698.9	2737.0	2702.0	2717.9	2749.6	2749.6
7.5°	2663.9	2679.8	2686.1	2692.5	2717.9	2702.0	2746.5	2711.5	2733.8	2771.9	2768.8
10°	2635.4	2657.5	2670.2	2679.8	2705.2	2695.6	2743.2	2714.8	2733.8	2778.2	2775.0
12.5°	2619.5	2644.9	2663.9	2679.8	2708.4	2702.0	2749.6	2724.2	2749.6	2794.1	2794.1
15°	2606.8	2635.4	2657.5	2686.1	2714.8	2708.4	2759.1	2737.0	2762.4	2816.4	2813.1
17.5°	2575.0	2609.9	2632.1	2663.9	2692.5	2689.4	2743.2	2727.4	2756.0	2806.8	2810.0
20°	2521.0	2552.8	2578.1	2616.2	2648.0	2641.6	2698.9	2683.0	2711.5	2765.5	2768.8
22.5°	2451.1	2482.9	2508.4	2549.6	2578.1	2575.0	2632.1	2616.2	2644.9	2695.6	2698.9
25°	2368.6	2397.2	2422.6	2460.8	2492.5	2492.5	2543.2	2527.4	2559.1	2609.9	2609.9
27.5°	2267.0	2292.4	2314.6	2359.1	2384.5	2384.5	2432.1	2416.2	2448.0	2492.5	2489.2
30°	2143.2	2165.4	2184.5	2222.6	2244.8	2248.0	2289.2	2273.4	2305.1	2343.2	2343.2
32.5°	1994.0	2016.2	2028.9	2076.5	2092.4	2089.2	2121.0	2105.1	2136.9	2178.1	2168.6
35°	1835.2	1844.8	1854.2	1901.9	1908.2	1895.5	1927.2	1911.4	1933.6	1974.9	1968.6
37.5°	1654.2	1657.4	1657.4	1698.6	1701.9	1692.4	1711.4	1692.4	1708.2	1746.2	1743.1
40°	1454.2	1451.0	1447.9	1479.6	1476.4	1457.4	1470.1	1454.2	1476.4	1505.0	1489.1
42.5°	1251.0	1241.5	1228.8	1244.6	1232.0	1216.1	1222.4	1197.0	1212.9	1235.1	1216.1
45°	1051.0	1031.9	1006.5	1009.6	993.8	974.8	965.2	939.9	936.6	958.9	943.0
47.5°	863.6	825.5	803.2	790.6	765.2	749.4	730.2	701.8	689.0	701.8	685.9
50°	695.4	657.2	628.6	600.1	574.8	555.6	523.9	504.9	485.8	489.0	476.2
52.5°	549.2	523.9	476.2	454.0	428.6	406.4	377.9	355.6	333.4	333.4	320.6
55°	435.0	400.1	368.2	336.5	311.1	292.1	263.5	241.2	219.1	215.9	203.2
57.5°	336.5	311.1	276.2	244.5	228.6	209.5	181.0	155.6	142.9	133.4	123.9
60°	260.4	235.0	206.4	181.0	161.9	149.2	120.6	101.6	88.9	82.5	73.0
62.5°	209.5	187.4	161.9	136.5	123.9	111.1	88.9	73.0	60.4	54.0	47.6
65°	168.2	149.2	130.1	111.1	101.6	88.9	73.0	60.4	50.8	44.5	38.1
67.5°	130.1	117.5	101.6	88.9	79.4	69.9	57.1	47.6	41.2	34.9	31.8
70°	98.4	88.9	79.4	66.6	60.4	54.0	44.5	34.9	31.8	28.6	25.4
72.5°	76.2	66.6	57.1	50.8	44.5	41.2	34.9	28.6	25.4	22.2	19.0
75°	50.8	47.6	41.2	34.9	31.8	28.6	25.4	22.2	19.0	15.9	15.9
77.5°	34.9	31.8	28.6	25.4	22.2	22.2	19.0	15.9	12.8	12.8	9.5
80°	22.2	19.0	19.0	15.9	15.9	15.9	12.8	9.5	9.5	9.5	6.4
82.5°	15.9	12.8	12.8	9.5	9.5	9.5	9.5	6.4	6.4	6.4	3.1
85°	9.5	6.4	6.4	6.4	6.4	6.4	6.4	3.1	3.1	3.1	3.1
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4
2.5°	2705.2	2733.8	2733.8	2759.1	2762.4	2756.0	2727.4	2727.4	2765.5	2787.8	2749.6
5°	2730.6	2759.1	2759.1	2784.6	2797.2	2787.8	2759.1	2762.4	2800.5	2825.9	2787.8
7.5°	2752.9	2781.4	2787.8	2816.4	2825.9	2816.4	2787.8	2794.1	2835.4	2857.6	2819.5
10°	2762.4	2790.9	2794.1	2825.9	2838.5	2825.9	2803.6	2806.8	2851.2	2867.1	2832.2
12.5°	2784.6	2813.1	2813.1	2848.1	2860.8	2851.2	2822.6	2829.0	2873.5	2889.4	2854.4
15°	2806.8	2835.4	2835.4	2873.5	2889.4	2876.6	2854.4	2857.6	2902.0	2917.9	2889.4
17.5°	2806.8	2832.2	2832.2	2873.5	2889.4	2879.9	2854.4	2857.6	2905.2	2917.9	2889.4
20°	2765.5	2794.1	2787.8	2829.0	2844.9	2835.4	2813.1	2813.1	2860.8	2873.5	2844.9
22.5°	2698.9	2724.2	2717.9	2756.0	2775.0	2762.4	2743.2	2740.1	2787.8	2800.5	2771.9
25°	2606.8	2632.1	2625.8	2663.9	2683.0	2667.1	2644.9	2648.0	2686.1	2705.2	2679.8
27.5°	2498.8	2514.6	2505.1	2543.2	2562.2	2546.4	2524.2	2527.4	2565.5	2578.1	2559.1
30°	2352.8	2365.5	2355.9	2387.6	2400.4	2390.9	2371.8	2371.8	2406.8	2422.6	2403.5
32.5°	2178.1	2187.6	2178.1	2203.5	2228.9	2209.9	2190.9	2190.9	2228.9	2241.6	2219.4
35°	1974.9	1984.5	1978.1	2003.5	2022.5	1997.1	1981.2	1974.9	2025.8	2019.4	2006.6
37.5°	1749.5	1755.9	1736.8	1781.2	1790.8	1762.1	1749.5	1743.1	1787.6	1784.4	1771.8
40°	1495.5	1501.9	1489.1	1520.9	1524.0	1501.9	1492.2	1482.8	1527.2	1524.0	1514.5
42.5°	1225.6	1228.8	1212.9	1238.2	1244.6	1222.4	1219.2	1206.5	1247.9	1241.5	1238.2
45°	946.1	946.1	933.5	952.5	958.9	939.9	933.5	930.2	958.9	958.9	952.5
47.5°	685.9	676.2	660.4	689.0	692.1	679.5	676.2	666.8	695.4	695.4	689.0
50°	469.9	466.8	463.6	469.9	473.1	457.2	466.8	457.2	473.1	473.1	473.1
52.5°	314.4	311.1	304.8	311.1	311.1	301.6	301.6	298.5	311.1	311.1	304.8
55°	196.9	193.6	190.5	193.6	193.6	184.1	190.5	184.1	190.5	190.5	187.4
57.5°	120.6	114.2	114.2	111.1	111.1	104.8	108.0	108.0	108.0	108.0	108.0
60°	69.9	66.6	63.5	63.5	63.5	60.4	60.4	60.4	60.4	60.4	60.4
62.5°	44.5	44.5	41.2	41.2	41.2	41.2	41.2	38.1	41.2	41.2	41.2
65°	38.1	34.9	34.9	34.9	34.9	31.8	31.8	31.8	31.8	31.8	31.8
67.5°	31.8	28.6	28.6	28.6	28.6	25.4	25.4	25.4	25.4	25.4	25.4
70°	25.4	22.2	22.2	22.2	22.2	22.2	19.0	22.2	22.2	19.0	19.0
72.5°	19.0	19.0	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
75°	12.8	12.8	12.8	12.8	12.8	9.5	9.5	9.5	9.5	9.5	9.5
77.5°	9.5	9.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	6.4	6.4	6.4	6.4	6.4	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	3.1	3.1	3.1	3.1	3.1	0.0	3.1	0.0	3.1	0.0	0.0
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: P212846

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4
2.5°	2794.1	2762.4	2746.5	2778.2	2790.9	2775.0	2762.4	2740.1	2762.4	2775.0	2790.9
5°	2832.2	2803.6	2790.9	2813.1	2832.2	2816.4	2806.8	2784.6	2806.8	2816.4	2832.2
7.5°	2867.1	2838.5	2822.6	2844.9	2867.1	2844.9	2835.4	2816.4	2835.4	2844.9	2867.1
10°	2879.9	2848.1	2835.4	2854.4	2876.6	2854.4	2841.8	2829.0	2841.8	2854.4	2876.6
12.5°	2902.0	2870.2	2854.4	2870.2	2892.5	2870.2	2857.6	2848.1	2857.6	2870.2	2892.5
15°	2933.8	2905.2	2886.1	2902.0	2930.6	2905.2	2889.4	2886.1	2889.4	2905.2	2930.6
17.5°	2933.8	2911.6	2892.5	2905.2	2933.8	2914.8	2892.5	2898.9	2892.5	2914.8	2933.8
20°	2892.5	2870.2	2854.4	2854.4	2895.8	2870.2	2851.2	2860.8	2851.2	2870.2	2895.8
22.5°	2819.5	2800.5	2784.6	2781.4	2822.6	2800.5	2775.0	2794.1	2775.0	2800.5	2822.6
25°	2724.2	2705.2	2692.5	2686.1	2727.4	2702.0	2679.8	2698.9	2679.8	2702.0	2727.4
27.5°	2600.4	2584.5	2571.9	2562.2	2600.4	2578.1	2556.0	2575.0	2556.0	2578.1	2600.4
30°	2441.6	2432.1	2419.4	2406.8	2444.9	2422.6	2400.4	2425.8	2400.4	2422.6	2444.9
32.5°	2257.5	2251.1	2235.2	2222.6	2260.6	2235.2	2219.4	2238.5	2219.4	2235.2	2260.6
35°	2044.8	2035.2	2025.8	2003.5	2044.8	2022.5	2022.5	2028.9	2022.5	2022.5	2044.8
37.5°	1806.6	1800.2	1787.6	1768.5	1803.5	1787.6	1781.2	1800.2	1781.2	1787.6	1803.5
40°	1539.9	1536.8	1527.2	1505.0	1543.1	1527.2	1517.8	1543.1	1517.8	1527.2	1543.1
42.5°	1260.5	1254.1	1244.6	1241.5	1260.5	1247.9	1257.4	1257.4	1257.4	1247.9	1260.5
45°	971.6	965.2	958.9	946.1	968.4	962.0	958.9	965.2	958.9	962.0	968.4
47.5°	704.9	698.5	692.1	682.6	704.9	695.4	695.4	701.8	695.4	695.4	704.9
50°	473.1	476.2	473.1	466.8	473.1	469.9	473.1	479.5	473.1	469.9	473.1
52.5°	314.4	314.4	308.0	304.8	311.1	308.0	317.5	311.1	317.5	308.0	311.1
55°	190.5	193.6	190.5	187.4	190.5	187.4	196.9	193.6	196.9	187.4	190.5
57.5°	108.0	108.0	111.1	108.0	114.2	111.1	111.1	111.1	111.1	111.1	114.2
60°	60.4	60.4	60.4	60.4	60.4	60.4	63.5	60.4	63.5	60.4	60.4
62.5°	41.2	41.2	41.2	38.1	41.2	38.1	41.2	41.2	41.2	38.1	41.2
65°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
67.5°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
70°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
72.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
75°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0
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: P212846

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4
2.5°	2778.2	2746.5	2762.4	2794.1	2749.6	2787.8	2765.5	2727.4	2727.4	2756.0	2762.4
5°	2813.1	2790.9	2803.6	2832.2	2787.8	2825.9	2800.5	2762.4	2759.1	2787.8	2797.2
7.5°	2844.9	2822.6	2838.5	2867.1	2819.5	2857.6	2835.4	2794.1	2787.8	2816.4	2825.9
10°	2854.4	2835.4	2848.1	2879.9	2832.2	2867.1	2851.2	2806.8	2803.6	2825.9	2838.5
12.5°	2870.2	2854.4	2870.2	2902.0	2854.4	2889.4	2873.5	2829.0	2822.6	2851.2	2860.8
15°	2902.0	2886.1	2905.2	2933.8	2889.4	2917.9	2902.0	2857.6	2854.4	2876.6	2889.4
17.5°	2905.2	2892.5	2911.6	2933.8	2889.4	2917.9	2905.2	2857.6	2854.4	2879.9	2889.4
20°	2854.4	2854.4	2870.2	2892.5	2844.9	2873.5	2860.8	2813.1	2813.1	2835.4	2844.9
22.5°	2781.4	2784.6	2800.5	2819.5	2771.9	2800.5	2787.8	2740.1	2743.2	2762.4	2775.0
25°	2686.1	2692.5	2705.2	2724.2	2679.8	2705.2	2686.1	2648.0	2644.9	2667.1	2683.0
27.5°	2562.2	2571.9	2584.5	2600.4	2559.1	2578.1	2565.5	2527.4	2524.2	2546.4	2562.2
30°	2406.8	2419.4	2432.1	2441.6	2403.5	2422.6	2406.8	2371.8	2371.8	2390.9	2400.4
32.5°	2222.6	2235.2	2251.1	2257.5	2219.4	2241.6	2228.9	2190.9	2190.9	2209.9	2228.9
35°	2003.5	2025.8	2035.2	2044.8	2006.6	2019.4	2025.8	1974.9	1981.2	1997.1	2022.5
37.5°	1768.5	1787.6	1800.2	1806.6	1771.8	1784.4	1787.6	1743.1	1749.5	1762.1	1790.8
40°	1505.0	1527.2	1536.8	1539.9	1514.5	1524.0	1527.2	1482.8	1492.2	1501.9	1524.0
42.5°	1241.5	1244.6	1254.1	1260.5	1238.2	1241.5	1247.9	1206.5	1219.2	1222.4	1244.6
45°	946.1	958.9	965.2	971.6	952.5	958.9	958.9	930.2	933.5	939.9	958.9
47.5°	682.6	692.1	698.5	704.9	689.0	695.4	695.4	666.8	676.2	679.5	692.1
50°	466.8	473.1	476.2	473.1	473.1	473.1	473.1	457.2	466.8	457.2	473.1
52.5°	304.8	308.0	314.4	314.4	304.8	311.1	311.1	298.5	301.6	301.6	311.1
55°	187.4	190.5	193.6	190.5	187.4	190.5	190.5	184.1	190.5	184.1	193.6
57.5°	108.0	111.1	108.0	108.0	108.0	108.0	108.0	108.0	108.0	104.8	111.1
60°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	63.5
62.5°	38.1	41.2	41.2	41.2	41.2	41.2	41.2	38.1	41.2	41.2	41.2
65°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	34.9
67.5°	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	28.6
70°	19.0	19.0	19.0	19.0	19.0	19.0	22.2	22.2	19.0	22.2	22.2
72.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
75°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	12.8
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.4
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	3.1	0.0	3.1
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: P212846

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4
2.5°	2759.1	2733.8	2733.8	2705.2	2730.6	2733.8	2702.0	2692.5	2727.4	2689.4	2708.4
5°	2784.6	2759.1	2759.1	2730.6	2749.6	2749.6	2717.9	2702.0	2737.0	2698.9	2714.8
7.5°	2816.4	2787.8	2781.4	2752.9	2768.8	2771.9	2733.8	2711.5	2746.5	2702.0	2717.9
10°	2825.9	2794.1	2790.9	2762.4	2775.0	2778.2	2733.8	2714.8	2743.2	2695.6	2705.2
12.5°	2848.1	2813.1	2813.1	2784.6	2794.1	2794.1	2749.6	2724.2	2749.6	2702.0	2708.4
15°	2873.5	2835.4	2835.4	2806.8	2813.1	2816.4	2762.4	2737.0	2759.1	2708.4	2714.8
17.5°	2873.5	2832.2	2832.2	2806.8	2810.0	2806.8	2756.0	2727.4	2743.2	2689.4	2692.5
20°	2829.0	2787.8	2794.1	2765.5	2768.8	2765.5	2711.5	2683.0	2698.9	2641.6	2648.0
22.5°	2756.0	2717.9	2724.2	2698.9	2698.9	2695.6	2644.9	2616.2	2632.1	2575.0	2578.1
25°	2663.9	2625.8	2632.1	2606.8	2609.9	2609.9	2559.1	2527.4	2543.2	2492.5	2492.5
27.5°	2543.2	2505.1	2514.6	2498.8	2489.2	2492.5	2448.0	2416.2	2432.1	2384.5	2384.5
30°	2387.6	2355.9	2365.5	2352.8	2343.2	2343.2	2305.1	2273.4	2289.2	2248.0	2244.8
32.5°	2203.5	2178.1	2187.6	2178.1	2168.6	2178.1	2136.9	2105.1	2121.0	2089.2	2092.4
35°	2003.5	1978.1	1984.5	1974.9	1968.6	1974.9	1933.6	1911.4	1927.2	1895.5	1908.2
37.5°	1781.2	1736.8	1755.9	1749.5	1743.1	1746.2	1708.2	1692.4	1711.4	1692.4	1701.9
40°	1520.9	1489.1	1501.9	1495.5	1489.1	1505.0	1476.4	1454.2	1470.1	1457.4	1476.4
42.5°	1238.2	1212.9	1228.8	1225.6	1216.1	1235.1	1212.9	1197.0	1222.4	1216.1	1232.0
45°	952.5	933.5	946.1	946.1	943.0	958.9	936.6	939.9	965.2	974.8	993.8
47.5°	689.0	660.4	676.2	685.9	685.9	701.8	689.0	701.8	730.2	749.4	765.2
50°	469.9	463.6	466.8	469.9	476.2	489.0	485.8	504.9	523.9	555.6	574.8
52.5°	311.1	304.8	311.1	314.4	320.6	333.4	333.4	355.6	377.9	406.4	428.6
55°	193.6	190.5	193.6	196.9	203.2	215.9	219.1	241.2	263.5	292.1	311.1
57.5°	111.1	114.2	114.2	120.6	123.9	133.4	142.9	155.6	181.0	209.5	228.6
60°	63.5	63.5	66.6	69.9	73.0	82.5	88.9	101.6	120.6	149.2	161.9
62.5°	41.2	41.2	44.5	44.5	47.6	54.0	60.4	73.0	88.9	111.1	123.9
65°	34.9	34.9	34.9	38.1	38.1	44.5	50.8	60.4	73.0	88.9	101.6
67.5°	28.6	28.6	28.6	31.8	31.8	34.9	41.2	47.6	57.1	69.9	79.4
70°	22.2	22.2	22.2	25.4	25.4	28.6	31.8	34.9	44.5	54.0	60.4
72.5°	15.9	15.9	19.0	19.0	19.0	22.2	25.4	28.6	34.9	41.2	44.5
75°	12.8	12.8	12.8	12.8	15.9	15.9	19.0	22.2	25.4	28.6	31.8
77.5°	6.4	6.4	9.5	9.5	9.5	12.8	12.8	15.9	19.0	22.2	22.2
80°	6.4	6.4	6.4	6.4	6.4	9.5	9.5	9.5	12.8	15.9	15.9
82.5°	3.1	3.1	3.1	3.1	3.1	6.4	6.4	6.4	9.5	9.5	9.5
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.4	6.4	6.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
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: P212846

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4	2727.4
2.5°	2686.1	2695.6	2695.6	2686.1	2660.8	2683.0	2705.2	2683.0	2711.5	2660.8	2660.8
5°	2686.1	2692.5	2689.4	2676.6	2651.2	2670.2	2686.1	2663.9	2686.1	2638.5	2635.4
7.5°	2692.5	2686.1	2679.8	2663.9	2632.1	2644.9	2660.8	2635.4	2657.5	2606.8	2600.4
10°	2679.8	2670.2	2657.5	2635.4	2600.4	2609.9	2619.5	2597.2	2613.1	2562.2	2559.1
12.5°	2679.8	2663.9	2644.9	2619.5	2581.4	2587.8	2597.2	2568.6	2581.4	2533.8	2527.4
15°	2686.1	2657.5	2635.4	2606.8	2565.5	2568.6	2575.0	2543.2	2556.0	2505.1	2502.0
17.5°	2663.9	2632.1	2609.9	2575.0	2530.5	2533.8	2533.8	2502.0	2511.5	2460.8	2457.5
20°	2616.2	2578.1	2552.8	2521.0	2473.4	2473.4	2473.4	2441.6	2448.0	2403.5	2397.2
22.5°	2549.6	2508.4	2482.9	2451.1	2406.8	2403.5	2400.4	2375.0	2375.0	2333.8	2324.1
25°	2460.8	2422.6	2397.2	2368.6	2324.1	2317.9	2317.9	2295.6	2292.4	2254.4	2248.0
27.5°	2359.1	2314.6	2292.4	2267.0	2225.8	2219.4	2216.2	2203.5	2197.1	2155.9	2152.8
30°	2222.6	2184.5	2165.4	2143.2	2105.1	2098.8	2095.6	2082.9	2079.8	2038.4	2038.4
32.5°	2076.5	2028.9	2016.2	1994.0	1965.4	1962.2	1965.4	1949.5	1936.9	1908.2	1901.9
35°	1901.9	1854.2	1844.8	1835.2	1813.0	1806.6	1803.5	1800.2	1784.4	1765.4	1755.9
37.5°	1698.6	1657.4	1657.4	1654.2	1638.4	1638.4	1638.4	1632.0	1616.1	1609.8	1590.8
40°	1479.6	1447.9	1451.0	1454.2	1447.9	1451.0	1454.2	1447.9	1435.1	1428.8	1412.9
42.5°	1244.6	1228.8	1241.5	1251.0	1251.0	1260.5	1266.9	1266.9	1251.0	1247.9	1235.1
45°	1009.6	1006.5	1031.9	1051.0	1057.2	1073.1	1082.8	1076.4	1076.4	1076.4	1063.6
47.5°	790.6	803.2	825.5	863.6	876.4	895.4	901.8	911.2	908.1	911.2	901.8
50°	600.1	628.6	657.2	695.4	714.4	736.6	746.1	758.9	758.9	762.0	755.6
52.5°	454.0	476.2	523.9	549.2	571.5	593.8	606.5	619.1	622.4	622.4	616.0
55°	336.5	368.2	400.1	435.0	454.0	476.2	485.8	498.5	498.5	504.9	498.5
57.5°	244.5	276.2	311.1	336.5	358.8	374.6	384.2	393.8	400.1	400.1	396.9
60°	181.0	206.4	235.0	260.4	279.4	295.2	301.6	311.1	314.4	314.4	308.0
62.5°	136.5	161.9	187.4	209.5	222.2	235.0	241.2	247.6	247.6	247.6	244.5
65°	111.1	130.1	149.2	168.2	181.0	190.5	193.6	200.0	196.9	200.0	196.9
67.5°	88.9	101.6	117.5	130.1	139.8	146.0	149.2	155.6	152.4	155.6	152.4
70°	66.6	79.4	88.9	98.4	104.8	111.1	114.2	117.5	114.2	117.5	114.2
72.5°	50.8	57.1	66.6	76.2	79.4	82.5	85.8	85.8	85.8	88.9	85.8
75°	34.9	41.2	47.6	50.8	57.1	60.4	60.4	63.5	63.5	63.5	63.5
77.5°	25.4	28.6	31.8	34.9	38.1	41.2	41.2	44.5	44.5	44.5	44.5
80°	15.9	19.0	19.0	22.2	25.4	25.4	28.6	28.6	28.6	28.6	28.6
82.5°	9.5	12.8	12.8	15.9	15.9	15.9	19.0	19.0	19.0	19.0	19.0
85°	6.4	6.4	6.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.4	6.4	3.1	3.1
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: P212846

CATALOG NUMBER: LE_6B50D010R EC6B30509727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2727.4	2727.4	2727.4	2727.4
2.5°	2686.1	2670.2	2695.6	2657.5
5°	2657.5	2641.6	2673.5	2625.8
7.5°	2622.6	2606.8	2635.4	2587.8
10°	2578.1	2562.2	2587.8	2536.9
12.5°	2540.1	2524.2	2552.8	2505.1
15°	2511.5	2495.6	2521.0	2476.6
17.5°	2467.0	2448.0	2476.6	2429.0
20°	2403.5	2390.9	2413.1	2365.5
22.5°	2330.5	2317.9	2343.2	2295.6
25°	2254.4	2238.5	2263.9	2216.2
27.5°	2155.9	2143.2	2168.6	2121.0
30°	2038.4	2025.8	2051.1	2006.6
32.5°	1905.0	1892.4	1911.4	1873.2
35°	1752.6	1743.1	1762.1	1720.9
37.5°	1587.5	1578.0	1597.1	1555.8
40°	1409.8	1400.2	1416.1	1397.0
42.5°	1235.1	1225.6	1241.5	1225.6
45°	1063.6	1057.2	1073.1	1057.2
47.5°	904.9	898.5	914.4	898.5
50°	752.5	755.6	762.0	755.6
52.5°	616.0	616.0	625.5	616.0
55°	498.5	501.6	504.9	498.5
57.5°	396.9	396.9	400.1	396.9
60°	308.0	311.1	311.1	308.0
62.5°	244.5	244.5	244.5	244.5
65°	193.6	193.6	196.9	193.6
67.5°	152.4	149.2	152.4	149.2
70°	114.2	114.2	114.2	114.2
72.5°	88.9	88.9	85.8	85.8
75°	63.5	66.6	63.5	63.5
77.5°	44.5	44.5	44.5	44.5
80°	28.6	28.6	28.6	28.6
82.5°	19.0	19.0	19.0	19.0
85°	12.8	9.5	9.5	9.5
87.5°	6.4	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)