

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: P212859

Luminaire Tested: **LE_6B60D010R EC6B60709727 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212859
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_6B60D010R EC6B60709727 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: 5094.9 lumens
Efficiency: N/A
Efficacy: 81.5 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

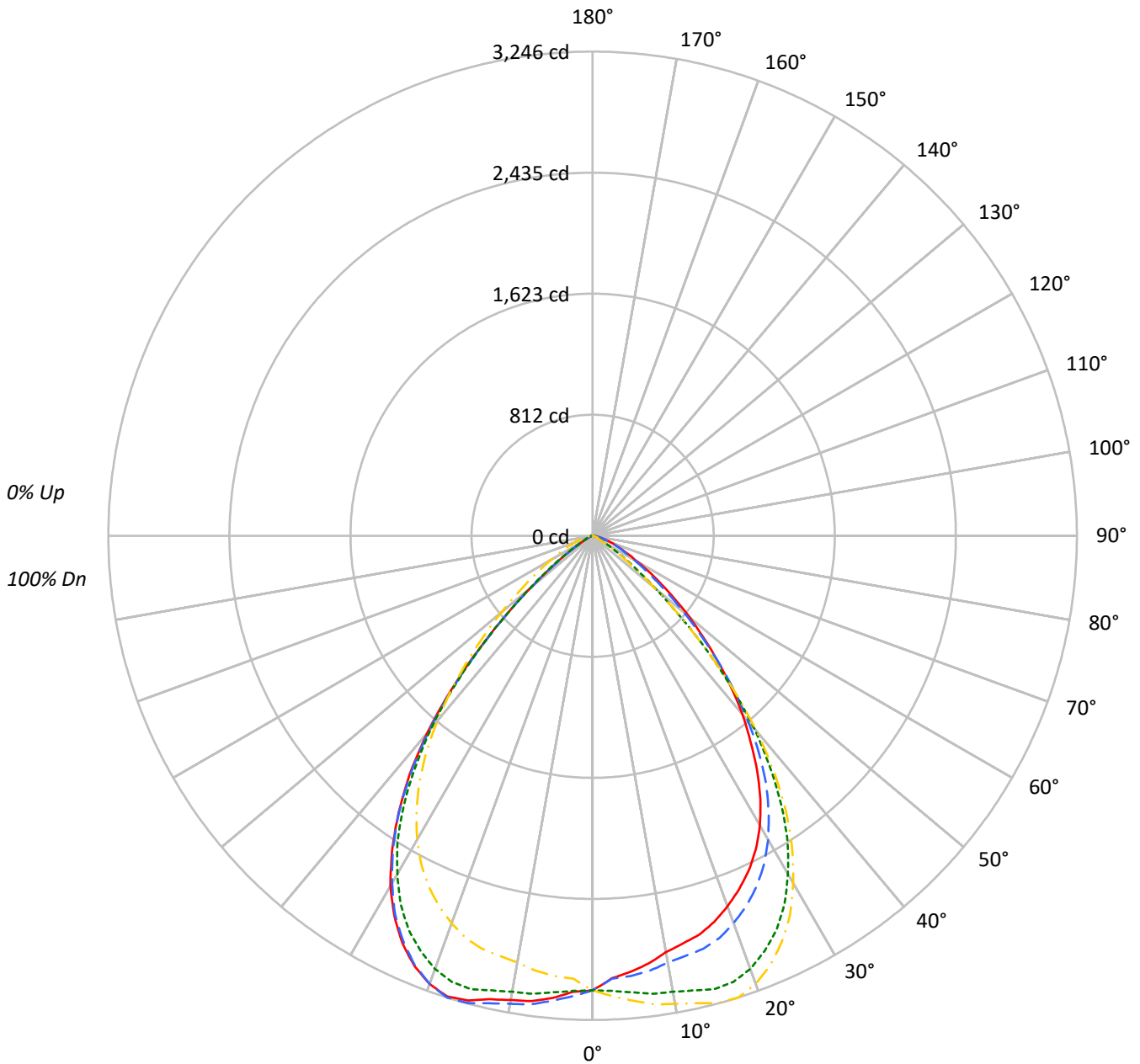
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82			82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73			73
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66			66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54			54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	167059	167059	167059	167059
5°	161446	169056	171203	169056
10°	157785	172792	175954	172792
15°	157044	178582	183020	178582
20°	154183	180260	186473	180260
25°	149773	176387	182394	176387
30°	141921	165728	171571	165728
35°	128680	147672	151708	147672
40°	111702	120333	123381	120333
45°	91591	83063	83613	83063
50°	72015	46600	45679	46600
55°	53236	23053	20683	23053
60°	37727	10109	7390	10109
65°	28070	6434	4605	6434
70°	20484	5113	3398	5113
75°	15038	3770	2245	3770
80°	10071	3346	1105	3346
85°	6667	2201	2201	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.7	5.7
10°-20°	864.0	17.0
20°-30°	1289.4	25.3
30°-40°	1324.7	26.0
40°-50°	857.9	16.8
50°-60°	319.0	6.3
60°-70°	104.7	2.1
70°-80°	36.9	0.7
80°-90°	6.6	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°	2445.1	48.0
0°-40°	3769.8	74.0
0°-60°	4946.7	97.1
0°-90°	5094.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5094.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3047	3047	3047	3047	3047	
5°	2934	3072	3111	3072	2934	277
15°	2767	3147	3225	3147	2767	778
25°	2476	2916	3015	2916	2476	1135
35°	1923	2207	2267	2207	1923	1194
45°	1181	1071	1078	1071	1181	913
55°	557	241	216	241	557	508
65°	216	50	36	50	216	220
75°	71	18	11	18	71	78
85°	11	4	4	4	11	14
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°	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4
2.5°	2969.2	3011.9	2983.5	3001.2	2972.9	2972.9	3029.6	2997.6	3022.5	2997.6	2972.9
5°	2933.8	2987.0	2951.5	2969.2	2944.5	2948.0	3001.2	2976.4	3001.2	2983.5	2962.2
7.5°	2891.2	2944.5	2912.5	2930.2	2905.4	2912.5	2969.2	2944.5	2972.9	2955.1	2940.9
10°	2834.5	2891.2	2862.9	2880.6	2859.2	2862.9	2919.6	2901.9	2926.8	2916.1	2905.4
12.5°	2799.0	2852.2	2820.2	2838.0	2823.9	2830.9	2884.1	2870.0	2901.9	2891.2	2884.1
15°	2767.1	2816.8	2788.4	2806.1	2795.5	2799.0	2855.8	2841.6	2877.0	2870.0	2866.4
17.5°	2713.9	2767.1	2735.1	2756.4	2745.8	2749.4	2806.1	2795.5	2830.9	2830.9	2827.4
20°	2642.9	2696.1	2671.2	2685.5	2678.4	2685.5	2735.1	2728.0	2763.5	2763.5	2763.5
22.5°	2564.9	2618.1	2589.8	2603.9	2596.8	2607.4	2653.5	2653.5	2681.9	2685.5	2689.0
25°	2476.1	2529.4	2501.0	2518.8	2511.6	2518.8	2561.4	2564.9	2589.8	2589.8	2596.8
27.5°	2369.8	2423.0	2394.6	2408.8	2405.2	2408.8	2454.9	2462.0	2476.1	2479.8	2486.9
30°	2242.0	2291.8	2263.4	2277.5	2277.5	2277.5	2323.6	2327.1	2341.4	2344.9	2352.0
32.5°	2093.0	2135.6	2114.4	2128.5	2125.0	2132.1	2164.0	2178.1	2195.9	2192.4	2195.9
35°	1922.8	1968.9	1947.6	1958.2	1961.8	1972.4	1993.8	2011.5	2015.0	2018.5	2025.6
37.5°	1738.2	1784.4	1763.1	1773.8	1777.4	1798.6	1805.8	1823.4	1830.5	1830.5	1830.5
40°	1560.9	1582.2	1564.5	1575.1	1578.6	1596.4	1603.5	1617.6	1624.8	1621.2	1617.6
42.5°	1369.4	1387.1	1369.4	1380.0	1380.0	1394.1	1397.8	1415.5	1415.5	1408.4	1397.8
45°	1181.4	1199.1	1181.4	1188.4	1188.4	1202.6	1202.6	1202.6	1209.8	1199.1	1181.4
47.5°	1004.0	1021.8	1004.0	1011.0	1007.5	1018.1	1014.6	1018.1	1007.5	1000.4	979.1
50°	844.4	851.4	844.4	840.8	844.4	851.4	847.9	847.9	833.6	823.0	798.2
52.5°	688.2	698.9	688.2	688.2	688.2	695.4	695.4	691.8	677.6	663.4	638.5
55°	557.0	564.0	560.5	557.0	557.0	564.0	557.0	557.0	542.8	532.1	507.2
57.5°	443.5	447.0	443.5	443.5	443.5	447.0	447.0	439.9	429.2	418.6	400.9
60°	344.1	347.6	347.6	344.1	344.1	351.2	351.2	347.6	337.0	329.9	312.1
62.5°	273.1	273.1	273.1	273.1	273.1	276.8	276.8	276.8	269.6	262.5	248.4
65°	216.4	220.0	216.4	216.4	220.0	223.5	220.0	223.5	216.4	212.9	202.2
67.5°	166.8	170.2	166.8	170.2	170.2	173.9	170.2	173.9	166.8	163.1	156.1
70°	127.8	127.8	127.8	127.8	127.8	131.2	127.8	131.2	127.8	124.1	117.1
72.5°	95.8	95.8	99.4	99.4	95.8	99.4	95.8	95.8	95.8	92.2	88.8
75°	71.0	71.0	74.5	71.0	71.0	71.0	71.0	71.0	67.4	67.4	63.9
77.5°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	46.1	46.1	42.6
80°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	28.4	28.4
82.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	17.8	17.8
85°	10.6	10.6	10.6	14.2	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	3.5	3.5	3.5	7.1	3.5	3.5	7.1	7.1	3.5	3.5	3.5
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°	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4
2.5°	3001.2	3011.9	3011.9	3001.2	3026.0	3004.8	3047.4	3008.2	3019.0	3054.4	3050.9
5°	2990.6	3004.8	3008.2	3001.2	3033.1	3015.4	3058.0	3019.0	3036.6	3072.1	3072.1
7.5°	2976.4	2994.1	3001.2	3008.2	3036.6	3019.0	3068.6	3029.6	3054.4	3097.0	3093.5
10°	2944.5	2969.2	2983.5	2994.1	3022.5	3011.9	3065.1	3033.1	3054.4	3104.1	3100.5
12.5°	2926.8	2955.1	2976.4	2994.1	3026.0	3019.0	3072.1	3043.8	3072.1	3121.9	3121.9
15°	2912.5	2944.5	2969.2	3001.2	3033.1	3026.0	3082.8	3058.0	3086.4	3146.6	3143.1
17.5°	2877.0	2916.1	2940.9	2976.4	3008.2	3004.8	3065.1	3047.4	3079.2	3136.0	3139.6
20°	2816.8	2852.2	2880.6	2923.1	2958.6	2951.5	3015.4	2997.6	3029.6	3089.9	3093.5
22.5°	2738.8	2774.1	2802.5	2848.6	2880.6	2877.0	2940.9	2923.1	2955.1	3011.9	3015.4
25°	2646.5	2678.4	2706.8	2749.4	2784.8	2784.8	2841.6	2823.9	2859.2	2916.1	2916.1
27.5°	2533.0	2561.4	2586.1	2635.9	2664.2	2664.2	2717.4	2699.6	2735.1	2784.8	2781.2
30°	2394.6	2419.4	2440.8	2483.2	2508.1	2511.6	2557.8	2540.0	2575.5	2618.1	2618.1
32.5°	2227.9	2252.6	2266.9	2320.1	2337.9	2334.2	2369.8	2352.0	2387.5	2433.6	2423.0
35°	2050.5	2061.1	2071.8	2125.0	2132.1	2117.9	2153.4	2135.6	2160.5	2206.6	2199.5
37.5°	1848.2	1851.8	1851.8	1897.9	1901.5	1890.9	1912.1	1890.9	1908.6	1951.1	1947.6
40°	1624.8	1621.2	1617.6	1653.1	1649.6	1628.4	1642.5	1624.8	1649.6	1681.5	1663.8
42.5°	1397.8	1387.1	1372.9	1390.6	1376.5	1358.8	1365.8	1337.4	1355.1	1380.0	1358.8
45°	1174.2	1153.0	1124.6	1128.1	1110.4	1089.1	1078.5	1050.1	1046.5	1071.4	1053.6
47.5°	964.9	922.4	897.5	883.4	855.0	837.2	815.9	784.0	769.9	784.0	766.2
50°	776.9	734.4	702.4	670.5	642.1	620.9	585.4	564.0	542.8	546.4	532.1
52.5°	613.8	585.4	532.1	507.2	478.9	454.1	422.1	397.4	372.5	372.5	358.2
55°	486.0	447.0	411.5	376.0	347.6	326.4	294.5	269.6	244.8	241.2	227.0
57.5°	376.0	347.6	308.6	273.1	255.4	234.1	202.2	173.9	159.6	149.0	138.4
60°	290.9	262.5	230.6	202.2	180.9	166.8	134.8	113.5	99.4	92.2	81.6
62.5°	234.1	209.2	180.9	152.5	138.4	124.1	99.4	81.6	67.4	60.2	53.2
65°	188.0	166.8	145.5	124.1	113.5	99.4	81.6	67.4	56.8	49.6	42.6
67.5°	145.5	131.2	113.5	99.4	88.8	78.0	63.9	53.2	46.1	39.0	35.5
70°	110.0	99.4	88.8	74.5	67.4	60.2	49.6	39.0	35.5	31.9	28.4
72.5°	85.1	74.5	63.9	56.8	49.6	46.1	39.0	31.9	28.4	24.9	21.2
75°	56.8	53.2	46.1	39.0	35.5	31.9	28.4	24.9	21.2	17.8	17.8
77.5°	39.0	35.5	31.9	28.4	24.9	24.9	21.2	17.8	14.2	14.2	10.6
80°	24.9	21.2	21.2	17.8	17.8	17.8	14.2	10.6	10.6	10.6	7.1
82.5°	17.8	14.2	14.2	10.6	10.6	10.6	10.6	7.1	7.1	7.1	3.5
85°	10.6	7.1	7.1	7.1	7.1	7.1	7.1	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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°	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4
2.5°	3022.5	3054.4	3054.4	3082.8	3086.4	3079.2	3047.4	3047.4	3089.9	3114.8	3072.1
5°	3050.9	3082.8	3082.8	3111.1	3125.4	3114.8	3082.8	3086.4	3128.9	3157.2	3114.8
7.5°	3075.8	3107.6	3114.8	3146.6	3157.2	3146.6	3114.8	3121.9	3168.0	3192.8	3150.2
10°	3086.4	3118.2	3121.9	3157.2	3171.5	3157.2	3132.5	3136.0	3185.6	3203.4	3164.4
12.5°	3111.1	3143.1	3143.1	3182.1	3196.4	3185.6	3153.8	3160.9	3210.5	3228.2	3189.2
15°	3136.0	3168.0	3168.0	3210.5	3228.2	3214.1	3189.2	3192.8	3242.5	3260.1	3228.2
17.5°	3136.0	3164.4	3164.4	3210.5	3228.2	3217.6	3189.2	3192.8	3246.0	3260.1	3228.2
20°	3089.9	3121.9	3114.8	3160.9	3178.6	3168.0	3143.1	3143.1	3196.4	3210.5	3178.6
22.5°	3015.4	3043.8	3036.6	3079.2	3100.5	3086.4	3065.1	3061.5	3114.8	3128.9	3097.0
25°	2912.5	2940.9	2933.8	2976.4	2997.6	2979.9	2955.1	2958.6	3001.2	3022.5	2994.1
27.5°	2791.9	2809.6	2799.0	2841.6	2862.9	2845.1	2820.2	2823.9	2866.4	2880.6	2859.2
30°	2628.8	2642.9	2632.2	2667.8	2681.9	2671.2	2650.0	2650.0	2689.0	2706.8	2685.5
32.5°	2433.6	2444.2	2433.6	2462.0	2490.4	2469.1	2447.8	2447.8	2490.4	2504.5	2479.8
35°	2206.6	2217.2	2210.1	2238.5	2259.8	2231.4	2213.6	2206.6	2263.4	2256.2	2242.0
37.5°	1954.8	1961.8	1940.5	1990.1	2000.8	1968.9	1954.8	1947.6	1997.2	1993.8	1979.5
40°	1670.9	1678.0	1663.8	1699.2	1702.9	1678.0	1667.4	1656.8	1706.4	1702.9	1692.1
42.5°	1369.4	1372.9	1355.1	1383.5	1390.6	1365.8	1362.2	1348.0	1394.1	1387.1	1383.5
45°	1057.1	1057.1	1043.0	1064.2	1071.4	1050.1	1043.0	1039.4	1071.4	1071.4	1064.2
47.5°	766.2	755.6	737.9	769.9	773.4	759.1	755.6	745.0	776.9	776.9	769.9
50°	525.0	521.5	518.0	525.0	528.6	510.9	521.5	510.9	528.6	528.6	528.6
52.5°	351.2	347.6	340.6	347.6	347.6	337.0	337.0	333.5	347.6	347.6	340.6
55°	220.0	216.4	212.9	216.4	216.4	205.8	212.9	205.8	212.9	212.9	209.2
57.5°	134.8	127.8	127.8	124.1	124.1	117.1	120.6	120.6	120.6	120.6	120.6
60°	78.0	74.5	71.0	71.0	71.0	67.4	67.4	67.4	67.4	67.4	67.4
62.5°	49.6	49.6	46.1	46.1	46.1	46.1	46.1	42.6	46.1	46.1	46.1
65°	42.6	39.0	39.0	39.0	39.0	35.5	35.5	35.5	35.5	35.5	35.5
67.5°	35.5	31.9	31.9	31.9	31.9	28.4	28.4	28.4	28.4	28.4	28.4
70°	28.4	24.9	24.9	24.9	24.9	24.9	21.2	24.9	24.9	21.2	21.2
72.5°	21.2	21.2	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	14.2	14.2	14.2	14.2	14.2	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	10.6	10.6	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	3.5	0.0	3.5	0.0	3.5	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: P212859

CATALOG NUMBER: LE_6B60D010R EC6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4
2.5°	3121.9	3086.4	3068.6	3104.1	3118.2	3100.5	3086.4	3061.5	3086.4	3100.5	3118.2
5°	3164.4	3132.5	3118.2	3143.1	3164.4	3146.6	3136.0	3111.1	3136.0	3146.6	3164.4
7.5°	3203.4	3171.5	3153.8	3178.6	3203.4	3178.6	3168.0	3146.6	3168.0	3178.6	3203.4
10°	3217.6	3182.1	3168.0	3189.2	3214.1	3189.2	3175.0	3160.9	3175.0	3189.2	3214.1
12.5°	3242.5	3207.0	3189.2	3207.0	3231.8	3207.0	3192.8	3182.1	3192.8	3207.0	3231.8
15°	3277.9	3246.0	3224.8	3242.5	3274.4	3246.0	3228.2	3224.8	3228.2	3246.0	3274.4
17.5°	3277.9	3253.1	3231.8	3246.0	3277.9	3256.6	3231.8	3238.9	3231.8	3256.6	3277.9
20°	3231.8	3207.0	3189.2	3189.2	3235.4	3207.0	3185.6	3196.4	3185.6	3207.0	3235.4
22.5°	3150.2	3128.9	3111.1	3107.6	3153.8	3128.9	3100.5	3121.9	3100.5	3128.9	3153.8
25°	3043.8	3022.5	3008.2	3001.2	3047.4	3019.0	2994.1	3015.4	2994.1	3019.0	3047.4
27.5°	2905.4	2887.8	2873.5	2862.9	2905.4	2880.6	2855.8	2877.0	2855.8	2880.6	2905.4
30°	2728.0	2717.4	2703.2	2689.0	2731.6	2706.8	2681.9	2710.4	2681.9	2706.8	2731.6
32.5°	2522.2	2515.2	2497.5	2483.2	2525.9	2497.5	2479.8	2501.0	2479.8	2497.5	2525.9
35°	2284.6	2274.0	2263.4	2238.5	2284.6	2259.8	2259.8	2266.9	2259.8	2259.8	2284.6
37.5°	2018.5	2011.5	1997.2	1976.0	2015.0	1997.2	1990.1	2011.5	1990.1	1997.2	2015.0
40°	1720.5	1717.0	1706.4	1681.5	1724.1	1706.4	1695.8	1724.1	1695.8	1706.4	1724.1
42.5°	1408.4	1401.2	1390.6	1387.1	1408.4	1394.1	1404.9	1404.9	1404.9	1394.1	1408.4
45°	1085.5	1078.5	1071.4	1057.1	1082.0	1074.9	1071.4	1078.5	1071.4	1074.9	1082.0
47.5°	787.5	780.5	773.4	762.8	787.5	776.9	776.9	784.0	776.9	776.9	787.5
50°	528.6	532.1	528.6	521.5	528.6	525.0	528.6	535.6	528.6	525.0	528.6
52.5°	351.2	351.2	344.1	340.6	347.6	344.1	354.8	347.6	354.8	344.1	347.6
55°	212.9	216.4	212.9	209.2	212.9	209.2	220.0	216.4	220.0	209.2	212.9
57.5°	120.6	120.6	124.1	120.6	127.8	124.1	124.1	124.1	124.1	124.1	127.8
60°	67.4	67.4	67.4	67.4	67.4	67.4	71.0	67.4	71.0	67.4	67.4
62.5°	46.1	46.1	46.1	42.6	46.1	42.6	46.1	46.1	46.1	42.6	46.1
65°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
67.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
70°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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: P212859

CATALOG NUMBER: LE_6B60D010R EC6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4
2.5°	3104.1	3068.6	3086.4	3121.9	3072.1	3114.8	3089.9	3047.4	3047.4	3079.2	3086.4
5°	3143.1	3118.2	3132.5	3164.4	3114.8	3157.2	3128.9	3086.4	3082.8	3114.8	3125.4
7.5°	3178.6	3153.8	3171.5	3203.4	3150.2	3192.8	3168.0	3121.9	3114.8	3146.6	3157.2
10°	3189.2	3168.0	3182.1	3217.6	3164.4	3203.4	3185.6	3136.0	3132.5	3157.2	3171.5
12.5°	3207.0	3189.2	3207.0	3242.5	3189.2	3228.2	3210.5	3160.9	3153.8	3185.6	3196.4
15°	3242.5	3224.8	3246.0	3277.9	3228.2	3260.1	3242.5	3192.8	3189.2	3214.1	3228.2
17.5°	3246.0	3231.8	3253.1	3277.9	3228.2	3260.1	3246.0	3192.8	3189.2	3217.6	3228.2
20°	3189.2	3189.2	3207.0	3231.8	3178.6	3210.5	3196.4	3143.1	3143.1	3168.0	3178.6
22.5°	3107.6	3111.1	3128.9	3150.2	3097.0	3128.9	3114.8	3061.5	3065.1	3086.4	3100.5
25°	3001.2	3008.2	3022.5	3043.8	2994.1	3022.5	3001.2	2958.6	2955.1	2979.9	2997.6
27.5°	2862.9	2873.5	2887.8	2905.4	2859.2	2880.6	2866.4	2823.9	2820.2	2845.1	2862.9
30°	2689.0	2703.2	2717.4	2728.0	2685.5	2706.8	2689.0	2650.0	2650.0	2671.2	2681.9
32.5°	2483.2	2497.5	2515.2	2522.2	2479.8	2504.5	2490.4	2447.8	2447.8	2469.1	2490.4
35°	2238.5	2263.4	2274.0	2284.6	2242.0	2256.2	2263.4	2206.6	2213.6	2231.4	2259.8
37.5°	1976.0	1997.2	2011.5	2018.5	1979.5	1993.8	1997.2	1947.6	1954.8	1968.9	2000.8
40°	1681.5	1706.4	1717.0	1720.5	1692.1	1702.9	1706.4	1656.8	1667.4	1678.0	1702.9
42.5°	1387.1	1390.6	1401.2	1408.4	1383.5	1387.1	1394.1	1348.0	1362.2	1365.8	1390.6
45°	1057.1	1071.4	1078.5	1085.5	1064.2	1071.4	1071.4	1039.4	1043.0	1050.1	1071.4
47.5°	762.8	773.4	780.5	787.5	769.9	776.9	776.9	745.0	755.6	759.1	773.4
50°	521.5	528.6	532.1	528.6	528.6	528.6	528.6	510.9	521.5	510.9	528.6
52.5°	340.6	344.1	351.2	351.2	340.6	347.6	347.6	333.5	337.0	337.0	347.6
55°	209.2	212.9	216.4	212.9	209.2	212.9	212.9	205.8	212.9	205.8	216.4
57.5°	120.6	124.1	120.6	120.6	120.6	120.6	120.6	120.6	120.6	117.1	124.1
60°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	71.0
62.5°	42.6	46.1	46.1	46.1	46.1	46.1	46.1	42.6	46.1	46.1	46.1
65°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	39.0
67.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	31.9
70°	21.2	21.2	21.2	21.2	21.2	21.2	24.9	24.9	21.2	24.9	24.9
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	14.2
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5	0.0	3.5
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: P212859

CATALOG NUMBER: LE_6B60D010R EC6B60709727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4
2.5°	3082.8	3054.4	3054.4	3022.5	3050.9	3054.4	3019.0	3008.2	3047.4	3004.8	3026.0
5°	3111.1	3082.8	3082.8	3050.9	3072.1	3072.1	3036.6	3019.0	3058.0	3015.4	3033.1
7.5°	3146.6	3114.8	3107.6	3075.8	3093.5	3097.0	3054.4	3029.6	3068.6	3019.0	3036.6
10°	3157.2	3121.9	3118.2	3086.4	3100.5	3104.1	3054.4	3033.1	3065.1	3011.9	3022.5
12.5°	3182.1	3143.1	3143.1	3111.1	3121.9	3121.9	3072.1	3043.8	3072.1	3019.0	3026.0
15°	3210.5	3168.0	3168.0	3136.0	3143.1	3146.6	3086.4	3058.0	3082.8	3026.0	3033.1
17.5°	3210.5	3164.4	3164.4	3136.0	3139.6	3136.0	3079.2	3047.4	3065.1	3004.8	3008.2
20°	3160.9	3114.8	3121.9	3089.9	3093.5	3089.9	3029.6	2997.6	3015.4	2951.5	2958.6
22.5°	3079.2	3036.6	3043.8	3015.4	3015.4	3011.9	2955.1	2923.1	2940.9	2877.0	2880.6
25°	2976.4	2933.8	2940.9	2912.5	2916.1	2916.1	2859.2	2823.9	2841.6	2784.8	2784.8
27.5°	2841.6	2799.0	2809.6	2791.9	2781.2	2784.8	2735.1	2699.6	2717.4	2664.2	2664.2
30°	2667.8	2632.2	2642.9	2628.8	2618.1	2618.1	2575.5	2540.0	2557.8	2511.6	2508.1
32.5°	2462.0	2433.6	2444.2	2433.6	2423.0	2433.6	2387.5	2352.0	2369.8	2334.2	2337.9
35°	2238.5	2210.1	2217.2	2206.6	2199.5	2206.6	2160.5	2135.6	2153.4	2117.9	2132.1
37.5°	1990.1	1940.5	1961.8	1954.8	1947.6	1951.1	1908.6	1890.9	1912.1	1890.9	1901.5
40°	1699.2	1663.8	1678.0	1670.9	1663.8	1681.5	1649.6	1624.8	1642.5	1628.4	1649.6
42.5°	1383.5	1355.1	1372.9	1369.4	1358.8	1380.0	1355.1	1337.4	1365.8	1358.8	1376.5
45°	1064.2	1043.0	1057.1	1057.1	1053.6	1071.4	1046.5	1050.1	1078.5	1089.1	1110.4
47.5°	769.9	737.9	755.6	766.2	766.2	784.0	769.9	784.0	815.9	837.2	855.0
50°	525.0	518.0	521.5	525.0	532.1	546.4	542.8	564.0	585.4	620.9	642.1
52.5°	347.6	340.6	347.6	351.2	358.2	372.5	372.5	397.4	422.1	454.1	478.9
55°	216.4	212.9	216.4	220.0	227.0	241.2	244.8	269.6	294.5	326.4	347.6
57.5°	124.1	127.8	127.8	134.8	138.4	149.0	159.6	173.9	202.2	234.1	255.4
60°	71.0	71.0	74.5	78.0	81.6	92.2	99.4	113.5	134.8	166.8	180.9
62.5°	46.1	46.1	49.6	49.6	53.2	60.2	67.4	81.6	99.4	124.1	138.4
65°	39.0	39.0	39.0	42.6	42.6	49.6	56.8	67.4	81.6	99.4	113.5
67.5°	31.9	31.9	31.9	35.5	35.5	39.0	46.1	53.2	63.9	78.0	88.8
70°	24.9	24.9	24.9	28.4	28.4	31.9	35.5	39.0	49.6	60.2	67.4
72.5°	17.8	17.8	21.2	21.2	21.2	24.9	28.4	31.9	39.0	46.1	49.6
75°	14.2	14.2	14.2	14.2	17.8	17.8	21.2	24.9	28.4	31.9	35.5
77.5°	7.1	7.1	10.6	10.6	10.6	14.2	14.2	17.8	21.2	24.9	24.9
80°	7.1	7.1	7.1	7.1	7.1	10.6	10.6	10.6	14.2	17.8	17.8
82.5°	3.5	3.5	3.5	3.5	3.5	7.1	7.1	7.1	10.6	10.6	10.6
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1	7.1	7.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5
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: P212859

CATALOG NUMBER: LE_6B60D010R EC6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4	3047.4
2.5°	3001.2	3011.9	3011.9	3001.2	2972.9	2997.6	3022.5	2997.6	3029.6	2972.9	2972.9
5°	3001.2	3008.2	3004.8	2990.6	2962.2	2983.5	3001.2	2976.4	3001.2	2948.0	2944.5
7.5°	3008.2	3001.2	2994.1	2976.4	2940.9	2955.1	2972.9	2944.5	2969.2	2912.5	2905.4
10°	2994.1	2983.5	2969.2	2944.5	2905.4	2916.1	2926.8	2901.9	2919.6	2862.9	2859.2
12.5°	2994.1	2976.4	2955.1	2926.8	2884.1	2891.2	2901.9	2870.0	2884.1	2830.9	2823.9
15°	3001.2	2969.2	2944.5	2912.5	2866.4	2870.0	2877.0	2841.6	2855.8	2799.0	2795.5
17.5°	2976.4	2940.9	2916.1	2877.0	2827.4	2830.9	2830.9	2795.5	2806.1	2749.4	2745.8
20°	2923.1	2880.6	2852.2	2816.8	2763.5	2763.5	2763.5	2728.0	2735.1	2685.5	2678.4
22.5°	2848.6	2802.5	2774.1	2738.8	2689.0	2685.5	2681.9	2653.5	2653.5	2607.4	2596.8
25°	2749.4	2706.8	2678.4	2646.5	2596.8	2589.8	2589.8	2564.9	2561.4	2518.8	2511.6
27.5°	2635.9	2586.1	2561.4	2533.0	2486.9	2479.8	2476.1	2462.0	2454.9	2408.8	2405.2
30°	2483.2	2440.8	2419.4	2394.6	2352.0	2344.9	2341.4	2327.1	2323.6	2277.5	2277.5
32.5°	2320.1	2266.9	2252.6	2227.9	2195.9	2192.4	2195.9	2178.1	2164.0	2132.1	2125.0
35°	2125.0	2071.8	2061.1	2050.5	2025.6	2018.5	2015.0	2011.5	1993.8	1972.4	1961.8
37.5°	1897.9	1851.8	1851.8	1848.2	1830.5	1830.5	1830.5	1823.4	1805.8	1798.6	1777.4
40°	1653.1	1617.6	1621.2	1624.8	1617.6	1621.2	1624.8	1617.6	1603.5	1596.4	1578.6
42.5°	1390.6	1372.9	1387.1	1397.8	1397.8	1408.4	1415.5	1415.5	1397.8	1394.1	1380.0
45°	1128.1	1124.6	1153.0	1174.2	1181.4	1199.1	1209.8	1202.6	1202.6	1202.6	1188.4
47.5°	883.4	897.5	922.4	964.9	979.1	1000.4	1007.5	1018.1	1014.6	1018.1	1007.5
50°	670.5	702.4	734.4	776.9	798.2	823.0	833.6	847.9	847.9	851.4	844.4
52.5°	507.2	532.1	585.4	613.8	638.5	663.4	677.6	691.8	695.4	695.4	688.2
55°	376.0	411.5	447.0	486.0	507.2	532.1	542.8	557.0	557.0	564.0	557.0
57.5°	273.1	308.6	347.6	376.0	400.9	418.6	429.2	439.9	447.0	447.0	443.5
60°	202.2	230.6	262.5	290.9	312.1	329.9	337.0	347.6	351.2	351.2	344.1
62.5°	152.5	180.9	209.2	234.1	248.4	262.5	269.6	276.8	276.8	276.8	273.1
65°	124.1	145.5	166.8	188.0	202.2	212.9	216.4	223.5	220.0	223.5	220.0
67.5°	99.4	113.5	131.2	145.5	156.1	163.1	166.8	173.9	170.2	173.9	170.2
70°	74.5	88.8	99.4	110.0	117.1	124.1	127.8	131.2	127.8	131.2	127.8
72.5°	56.8	63.9	74.5	85.1	88.8	92.2	95.8	95.8	95.8	99.4	95.8
75°	39.0	46.1	53.2	56.8	63.9	67.4	67.4	71.0	71.0	71.0	71.0
77.5°	28.4	31.9	35.5	39.0	42.6	46.1	46.1	49.6	49.6	49.6	49.6
80°	17.8	21.2	21.2	24.9	28.4	28.4	31.9	31.9	31.9	31.9	31.9
82.5°	10.6	14.2	14.2	17.8	17.8	17.8	21.2	21.2	21.2	21.2	21.2
85°	7.1	7.1	7.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1	7.1	3.5	3.5
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: P212859

CATALOG NUMBER: LE_6B60D010R EC6B60709727 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3047.4	3047.4	3047.4	3047.4
2.5°	3001.2	2983.5	3011.9	2969.2
5°	2969.2	2951.5	2987.0	2933.8
7.5°	2930.2	2912.5	2944.5	2891.2
10°	2880.6	2862.9	2891.2	2834.5
12.5°	2838.0	2820.2	2852.2	2799.0
15°	2806.1	2788.4	2816.8	2767.1
17.5°	2756.4	2735.1	2767.1	2713.9
20°	2685.5	2671.2	2696.1	2642.9
22.5°	2603.9	2589.8	2618.1	2564.9
25°	2518.8	2501.0	2529.4	2476.1
27.5°	2408.8	2394.6	2423.0	2369.8
30°	2277.5	2263.4	2291.8	2242.0
32.5°	2128.5	2114.4	2135.6	2093.0
35°	1958.2	1947.6	1968.9	1922.8
37.5°	1773.8	1763.1	1784.4	1738.2
40°	1575.1	1564.5	1582.2	1560.9
42.5°	1380.0	1369.4	1387.1	1369.4
45°	1188.4	1181.4	1199.1	1181.4
47.5°	1011.0	1004.0	1021.8	1004.0
50°	840.8	844.4	851.4	844.4
52.5°	688.2	688.2	698.9	688.2
55°	557.0	560.5	564.0	557.0
57.5°	443.5	443.5	447.0	443.5
60°	344.1	347.6	347.6	344.1
62.5°	273.1	273.1	273.1	273.1
65°	216.4	216.4	220.0	216.4
67.5°	170.2	166.8	170.2	166.8
70°	127.8	127.8	127.8	127.8
72.5°	99.4	99.4	95.8	95.8
75°	71.0	74.5	71.0	71.0
77.5°	49.6	49.6	49.6	49.6
80°	31.9	31.9	31.9	31.9
82.5°	21.2	21.2	21.2	21.2
85°	14.2	10.6	10.6	10.6
87.5°	7.1	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)