

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: P212850

Luminaire Tested: **LE_6B60D010R EC6B60708035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212850
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 EC6B60708035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

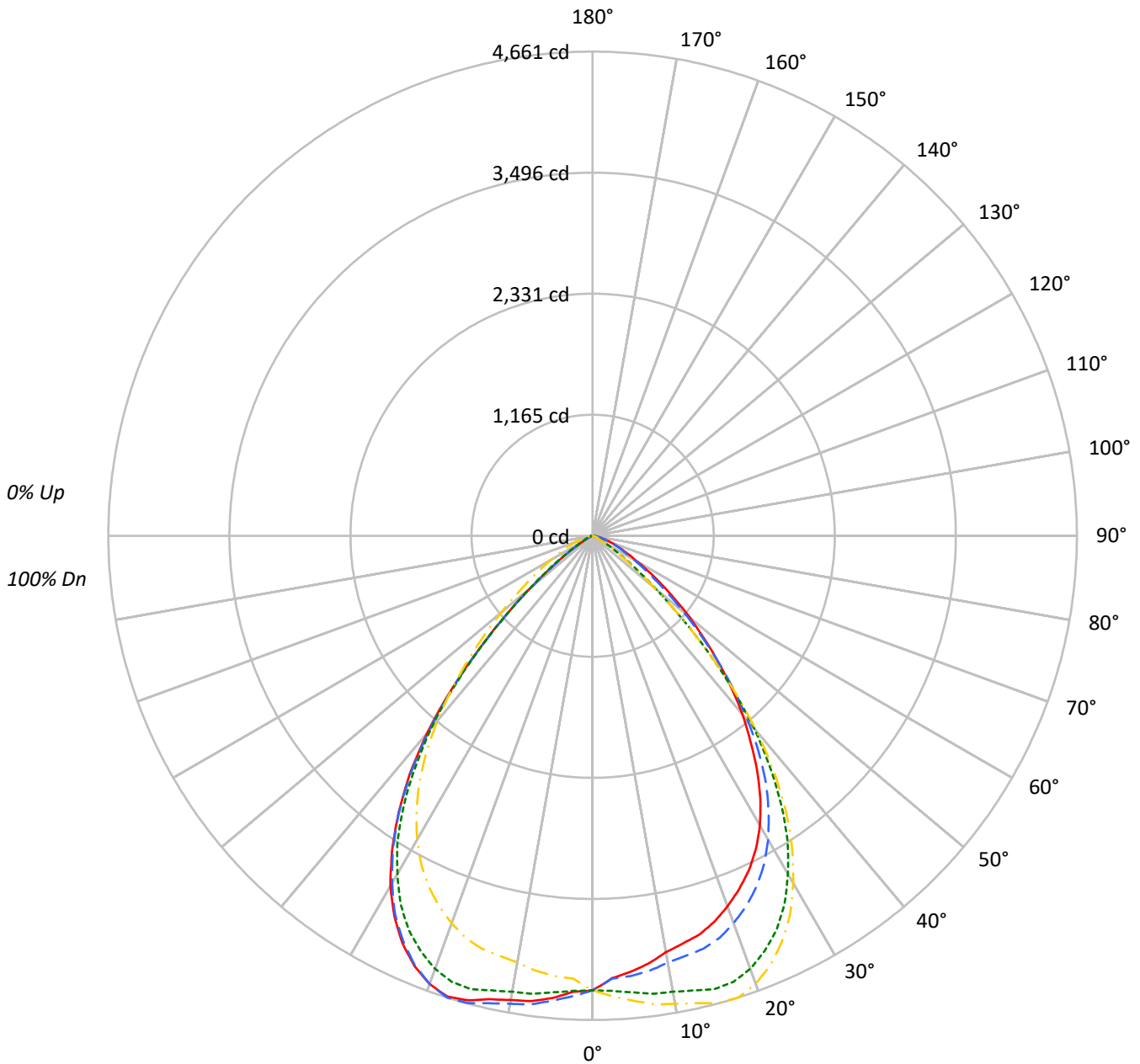
Lumens per Lamp: N/A
Luminaire Lumens: 7315.8 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P212850
CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

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	98	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	70	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°	239871	239871	239871	239871
5°	231818	242757	245839	242757
10°	226560	248108	252645	248108
15°	225495	256426	262794	256426
20°	221394	258836	267750	258836
25°	215063	253273	261904	253273
30°	203791	237961	246354	237961
35°	184768	212039	217835	212039
40°	160401	172788	177160	172788
45°	131502	119268	120051	119268
50°	103400	66906	65593	66906
55°	76442	33108	29705	33108
60°	54173	14527	10613	14527
65°	40316	9262	6615	9262
70°	29396	7357	4905	7357
75°	21583	5401	3219	5401
80°	14490	4799	1610	4799
85°	9561	3208	3208	3208



TEST NUMBER: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.9	5.7
10°-20°	1240.6	17.0
20°-30°	1851.4	25.3
30°-40°	1902.2	26.0
40°-50°	1231.8	16.8
50°-60°	458.0	6.3
60°-70°	150.3	2.1
70°-80°	53.0	0.7
80°-90°	9.5	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°	3511.0	48.0
0°-40°	5413.1	74.0
0°-60°	7103.0	97.1
0°-90°	7315.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7315.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4376	4376	4376	4376	4376	
5°	4213	4411	4467	4411	4213	398
15°	3973	4518	4630	4518	3973	1117
25°	3556	4187	4330	4187	3556	1629
35°	2761	3168	3255	3168	2761	1714
45°	1696	1538	1548	1538	1696	1312
55°	800	346	311	346	800	729
65°	311	71	51	71	311	316
75°	102	26	15	26	102	112
85°	15	5	5	5	15	20
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°	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4263.6	4324.8	4284.0	4309.5	4268.8	4268.8	4350.2	4304.4	4340.0	4304.4	4268.8
5°	4212.6	4289.1	4238.1	4263.6	4228.0	4233.0	4309.5	4273.8	4309.5	4284.0	4253.4
7.5°	4151.5	4228.0	4182.1	4207.6	4171.9	4182.1	4263.6	4228.0	4268.8	4243.2	4222.9
10°	4070.0	4151.5	4110.8	4136.2	4105.8	4110.8	4192.2	4166.9	4202.5	4187.2	4171.9
12.5°	4019.1	4095.5	4049.6	4075.1	4054.8	4065.0	4141.4	4121.0	4166.9	4151.5	4141.4
15°	3973.2	4044.6	4003.9	4029.2	4014.0	4019.1	4100.6	4080.2	4131.1	4121.0	4115.9
17.5°	3896.9	3973.2	3927.4	3958.0	3942.6	3947.8	4029.2	4014.0	4065.0	4065.0	4059.9
20°	3795.0	3871.4	3835.8	3856.1	3845.9	3856.1	3927.4	3917.2	3968.1	3968.1	3968.1
22.5°	3682.9	3759.2	3718.5	3738.9	3728.8	3744.0	3810.2	3810.2	3851.0	3856.1	3861.1
25°	3555.5	3632.0	3591.2	3616.6	3606.5	3616.6	3677.8	3682.9	3718.5	3718.5	3728.8
27.5°	3402.8	3479.1	3438.4	3458.8	3453.6	3458.8	3525.0	3535.1	3555.5	3560.6	3570.9
30°	3219.4	3290.6	3249.9	3270.2	3270.2	3270.2	3336.5	3341.6	3362.0	3367.1	3377.2
32.5°	3005.4	3066.5	3036.0	3056.4	3051.2	3061.5	3107.2	3127.6	3153.1	3148.0	3153.1
35°	2760.9	2827.1	2796.5	2811.9	2816.9	2832.2	2862.8	2888.2	2893.4	2898.4	2908.6
37.5°	2496.0	2562.2	2531.6	2547.0	2552.0	2582.6	2592.8	2618.2	2628.5	2628.5	2628.5
40°	2241.4	2271.9	2246.4	2261.8	2266.8	2292.2	2302.5	2322.9	2333.0	2327.9	2322.9
42.5°	1966.2	1991.8	1966.2	1981.5	1981.5	2001.9	2007.0	2032.5	2032.5	2022.2	2007.0
45°	1696.2	1721.8	1696.2	1706.5	1706.5	1726.9	1726.9	1726.9	1737.0	1721.8	1696.2
47.5°	1441.6	1467.0	1441.6	1451.8	1446.6	1462.0	1456.9	1462.0	1446.6	1436.5	1405.9
50°	1212.4	1222.5	1212.4	1207.2	1212.4	1222.5	1217.5	1217.5	1197.1	1181.8	1146.1
52.5°	988.2	1003.5	988.2	988.2	988.2	998.4	998.4	993.2	972.9	952.5	916.9
55°	799.8	809.9	804.9	799.8	799.8	809.9	799.8	799.8	779.4	764.1	728.4
57.5°	636.8	641.9	636.8	636.8	636.8	641.9	641.9	631.6	616.4	601.1	575.6
60°	494.1	499.2	499.2	494.1	494.1	504.2	504.2	499.2	483.9	473.8	448.2
62.5°	392.2	392.2	392.2	392.2	392.2	397.4	397.4	397.4	387.1	377.0	356.6
65°	310.8	315.9	310.8	310.8	315.9	320.9	315.9	320.9	310.8	305.6	290.4
67.5°	239.4	244.5	239.4	244.5	244.5	249.6	244.5	249.6	239.4	234.4	224.1
70°	183.4	183.4	183.4	183.4	183.4	188.5	183.4	188.5	183.4	178.2	168.1
72.5°	137.5	137.5	142.6	142.6	137.5	142.6	137.5	137.5	137.5	132.5	127.4
75°	101.9	101.9	107.0	101.9	101.9	101.9	101.9	101.9	96.8	96.8	91.8
77.5°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	66.2	66.2	61.1
80°	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	40.8	40.8
82.5°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	25.5	25.5
85°	15.2	15.2	15.2	20.4	15.2	15.2	15.2	15.2	15.2	15.2	15.2
87.5°	5.1	5.1	5.1	10.2	5.1	5.1	10.2	10.2	5.1	5.1	5.1
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: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4309.5	4324.8	4324.8	4309.5	4345.1	4314.5	4375.6	4319.6	4334.9	4385.9	4380.8
5°	4294.1	4314.5	4319.6	4309.5	4355.2	4329.9	4391.0	4334.9	4360.4	4411.4	4411.4
7.5°	4273.8	4299.2	4309.5	4319.6	4360.4	4334.9	4406.2	4350.2	4385.9	4447.0	4441.9
10°	4228.0	4263.6	4284.0	4299.2	4340.0	4324.8	4401.1	4355.2	4385.9	4457.1	4452.1
12.5°	4202.5	4243.2	4273.8	4299.2	4345.1	4334.9	4411.4	4370.6	4411.4	4482.6	4482.6
15°	4182.1	4228.0	4263.6	4309.5	4355.2	4345.1	4426.6	4391.0	4431.8	4518.2	4513.2
17.5°	4131.1	4187.2	4222.9	4273.8	4319.6	4314.5	4401.1	4375.6	4421.5	4503.0	4508.1
20°	4044.6	4095.5	4136.2	4197.4	4248.4	4238.1	4329.9	4304.4	4350.2	4436.8	4441.9
22.5°	3932.5	3983.5	4024.2	4090.4	4136.2	4131.1	4222.9	4197.4	4243.2	4324.8	4329.9
25°	3800.0	3845.9	3886.6	3947.8	3998.8	3998.8	4080.2	4054.8	4105.8	4187.2	4187.2
27.5°	3637.0	3677.8	3713.5	3784.8	3825.5	3825.5	3901.9	3876.5	3927.4	3998.8	3993.6
30°	3438.4	3474.0	3504.6	3565.8	3601.4	3606.5	3672.8	3647.2	3698.1	3759.2	3759.2
32.5°	3199.0	3234.6	3255.0	3331.4	3356.9	3351.8	3402.8	3377.2	3428.2	3494.4	3479.1
35°	2944.2	2959.5	2974.9	3051.2	3061.5	3041.1	3092.0	3066.5	3102.2	3168.4	3158.2
37.5°	2653.9	2659.0	2659.0	2725.2	2730.4	2715.0	2745.6	2715.0	2740.5	2801.6	2796.5
40°	2333.0	2327.9	2322.9	2373.8	2368.6	2338.1	2358.5	2333.0	2368.6	2414.5	2389.0
42.5°	2007.0	1991.8	1971.4	1996.9	1976.4	1951.0	1961.1	1920.4	1945.9	1981.5	1951.0
45°	1686.1	1655.5	1614.8	1619.9	1594.4	1563.9	1548.5	1507.8	1502.8	1538.4	1512.9
47.5°	1385.5	1324.4	1288.8	1268.4	1227.6	1202.1	1171.6	1125.8	1105.4	1125.8	1100.2
50°	1115.6	1054.5	1008.6	962.8	922.0	891.4	840.5	809.9	779.4	784.5	764.1
52.5°	881.2	840.5	764.1	728.4	687.6	652.0	606.1	570.5	534.9	534.9	514.5
55°	697.9	641.9	590.9	540.0	499.2	468.6	422.8	387.1	351.5	346.4	326.0
57.5°	540.0	499.2	443.1	392.2	366.8	336.2	290.4	249.6	229.2	214.0	198.6
60°	417.8	377.0	331.1	290.4	259.8	239.4	193.6	163.0	142.6	132.5	117.1
62.5°	336.2	300.5	259.8	219.0	198.6	178.2	142.6	117.1	96.8	86.6	76.4
65°	270.0	239.4	208.9	178.2	163.0	142.6	117.1	96.8	81.5	71.4	61.1
67.5°	208.9	188.5	163.0	142.6	127.4	112.1	91.8	76.4	66.2	56.0	51.0
70°	157.9	142.6	127.4	107.0	96.8	86.6	71.4	56.0	51.0	45.9	40.8
72.5°	122.2	107.0	91.8	81.5	71.4	66.2	56.0	45.9	40.8	35.6	30.6
75°	81.5	76.4	66.2	56.0	51.0	45.9	40.8	35.6	30.6	25.5	25.5
77.5°	56.0	51.0	45.9	40.8	35.6	35.6	30.6	25.5	20.4	20.4	15.2
80°	35.6	30.6	30.6	25.5	25.5	25.5	20.4	15.2	15.2	15.2	10.2
82.5°	25.5	20.4	20.4	15.2	15.2	15.2	15.2	10.2	10.2	10.2	5.1
85°	15.2	10.2	10.2	10.2	10.2	10.2	10.2	5.1	5.1	5.1	5.1
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	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



TEST NUMBER: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4340.0	4385.9	4385.9	4426.6	4431.8	4421.5	4375.6	4375.6	4436.8	4472.5	4411.4
5°	4380.8	4426.6	4426.6	4467.4	4487.8	4472.5	4426.6	4431.8	4492.9	4533.6	4472.5
7.5°	4416.4	4462.2	4472.5	4518.2	4533.6	4518.2	4472.5	4482.6	4548.9	4584.5	4523.4
10°	4431.8	4477.5	4482.6	4533.6	4554.0	4533.6	4497.9	4503.0	4574.4	4599.8	4543.8
12.5°	4467.4	4513.2	4513.2	4569.2	4589.6	4574.4	4528.5	4538.6	4610.0	4635.5	4579.4
15°	4503.0	4548.9	4548.9	4610.0	4635.5	4615.1	4579.4	4584.5	4655.9	4681.2	4635.5
17.5°	4503.0	4543.8	4543.8	4610.0	4635.5	4620.1	4579.4	4584.5	4660.9	4681.2	4635.5
20°	4436.8	4482.6	4472.5	4538.6	4564.1	4548.9	4513.2	4513.2	4589.6	4610.0	4564.1
22.5°	4329.9	4370.6	4360.4	4421.5	4452.1	4431.8	4401.1	4396.0	4472.5	4492.9	4447.0
25°	4182.1	4222.9	4212.6	4273.8	4304.4	4278.9	4243.2	4248.4	4309.5	4340.0	4299.2
27.5°	4008.9	4034.4	4019.1	4080.2	4110.8	4085.4	4049.6	4054.8	4115.9	4136.2	4105.8
30°	3774.6	3795.0	3779.6	3830.6	3851.0	3835.8	3805.1	3805.1	3861.1	3886.6	3856.1
32.5°	3494.4	3509.8	3494.4	3535.1	3575.9	3545.4	3514.8	3514.8	3575.9	3596.2	3560.6
35°	3168.4	3183.8	3173.5	3214.2	3244.9	3204.1	3178.6	3168.4	3249.9	3239.8	3219.4
37.5°	2806.8	2816.9	2786.4	2857.6	2873.0	2827.1	2806.8	2796.5	2867.9	2862.8	2842.4
40°	2399.2	2409.4	2389.0	2440.0	2445.1	2409.4	2394.1	2378.9	2450.1	2445.1	2429.8
42.5°	1966.2	1971.4	1945.9	1986.6	1996.9	1961.1	1956.0	1935.6	2001.9	1991.8	1986.6
45°	1518.0	1518.0	1497.6	1528.1	1538.4	1507.8	1497.6	1492.5	1538.4	1538.4	1528.1
47.5°	1100.2	1085.0	1059.5	1105.4	1110.5	1090.1	1085.0	1069.8	1115.6	1115.6	1105.4
50°	753.9	748.8	743.8	753.9	759.0	733.5	748.8	733.5	759.0	759.0	759.0
52.5°	504.2	499.2	489.0	499.2	499.2	483.9	483.9	478.9	499.2	499.2	489.0
55°	315.9	310.8	305.6	310.8	310.8	295.5	305.6	295.5	305.6	305.6	300.5
57.5°	193.6	183.4	183.4	178.2	178.2	168.1	173.2	173.2	173.2	173.2	173.2
60°	112.1	107.0	101.9	101.9	101.9	96.8	96.8	96.8	96.8	96.8	96.8
62.5°	71.4	71.4	66.2	66.2	66.2	66.2	66.2	61.1	66.2	66.2	66.2
65°	61.1	56.0	56.0	56.0	56.0	51.0	51.0	51.0	51.0	51.0	51.0
67.5°	51.0	45.9	45.9	45.9	45.9	40.8	40.8	40.8	40.8	40.8	40.8
70°	40.8	35.6	35.6	35.6	35.6	35.6	30.6	35.6	35.6	30.6	30.6
72.5°	30.6	30.6	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
75°	20.4	20.4	20.4	20.4	20.4	15.2	15.2	15.2	15.2	15.2	15.2
77.5°	15.2	15.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
80°	10.2	10.2	10.2	10.2	10.2	5.1	5.1	5.1	5.1	5.1	5.1
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
85°	5.1	5.1	5.1	5.1	5.1	0.0	5.1	0.0	5.1	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: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4482.6	4431.8	4406.2	4457.1	4477.5	4452.1	4431.8	4396.0	4431.8	4452.1	4477.5
5°	4543.8	4497.9	4477.5	4513.2	4543.8	4518.2	4503.0	4467.4	4503.0	4518.2	4543.8
7.5°	4599.8	4554.0	4528.5	4564.1	4599.8	4564.1	4548.9	4518.2	4548.9	4564.1	4599.8
10°	4620.1	4569.2	4548.9	4579.4	4615.1	4579.4	4559.0	4538.6	4559.0	4579.4	4615.1
12.5°	4655.9	4604.9	4579.4	4604.9	4640.5	4604.9	4584.5	4569.2	4584.5	4604.9	4640.5
15°	4706.8	4660.9	4630.4	4655.9	4701.6	4660.9	4635.5	4630.4	4635.5	4660.9	4701.6
17.5°	4706.8	4671.1	4640.5	4660.9	4706.8	4676.2	4640.5	4650.8	4640.5	4676.2	4706.8
20°	4640.5	4604.9	4579.4	4579.4	4645.6	4604.9	4574.4	4589.6	4574.4	4604.9	4645.6
22.5°	4523.4	4492.9	4467.4	4462.2	4528.5	4492.9	4452.1	4482.6	4452.1	4492.9	4528.5
25°	4370.6	4340.0	4319.6	4309.5	4375.6	4334.9	4299.2	4329.9	4299.2	4334.9	4375.6
27.5°	4171.9	4146.5	4126.1	4110.8	4171.9	4136.2	4100.6	4131.1	4100.6	4136.2	4171.9
30°	3917.2	3901.9	3881.5	3861.1	3922.2	3886.6	3851.0	3891.8	3851.0	3886.6	3922.2
32.5°	3621.8	3611.6	3586.1	3565.8	3626.9	3586.1	3560.6	3591.2	3560.6	3586.1	3626.9
35°	3280.5	3265.2	3249.9	3214.2	3280.5	3244.9	3244.9	3255.0	3244.9	3244.9	3280.5
37.5°	2898.4	2888.2	2867.9	2837.2	2893.4	2867.9	2857.6	2888.2	2857.6	2867.9	2893.4
40°	2470.5	2465.5	2450.1	2414.5	2475.6	2450.1	2434.9	2475.6	2434.9	2450.1	2475.6
42.5°	2022.2	2012.1	1996.9	1991.8	2022.2	2001.9	2017.2	2017.2	2017.2	2001.9	2022.2
45°	1558.8	1548.5	1538.4	1518.0	1553.6	1543.5	1538.4	1548.5	1538.4	1543.5	1553.6
47.5°	1130.9	1120.6	1110.5	1095.2	1130.9	1115.6	1115.6	1125.8	1115.6	1115.6	1130.9
50°	759.0	764.1	759.0	748.8	759.0	753.9	759.0	769.1	759.0	753.9	759.0
52.5°	504.2	504.2	494.1	489.0	499.2	494.1	509.4	499.2	509.4	494.1	499.2
55°	305.6	310.8	305.6	300.5	305.6	300.5	315.9	310.8	315.9	300.5	305.6
57.5°	173.2	173.2	178.2	173.2	183.4	178.2	178.2	178.2	178.2	178.2	183.4
60°	96.8	96.8	96.8	96.8	96.8	96.8	101.9	96.8	101.9	96.8	96.8
62.5°	66.2	66.2	66.2	61.1	66.2	61.1	66.2	66.2	66.2	61.1	66.2
65°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
67.5°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
70°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
72.5°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
75°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
80°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	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: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4457.1	4406.2	4431.8	4482.6	4411.4	4472.5	4436.8	4375.6	4375.6	4421.5	4431.8
5°	4513.2	4477.5	4497.9	4543.8	4472.5	4533.6	4492.9	4431.8	4426.6	4472.5	4487.8
7.5°	4564.1	4528.5	4554.0	4599.8	4523.4	4584.5	4548.9	4482.6	4472.5	4518.2	4533.6
10°	4579.4	4548.9	4569.2	4620.1	4543.8	4599.8	4574.4	4503.0	4497.9	4533.6	4554.0
12.5°	4604.9	4579.4	4604.9	4655.9	4579.4	4635.5	4610.0	4538.6	4528.5	4574.4	4589.6
15°	4655.9	4630.4	4660.9	4706.8	4635.5	4681.2	4655.9	4584.5	4579.4	4615.1	4635.5
17.5°	4660.9	4640.5	4671.1	4706.8	4635.5	4681.2	4660.9	4584.5	4579.4	4620.1	4635.5
20°	4579.4	4579.4	4604.9	4640.5	4564.1	4610.0	4589.6	4513.2	4513.2	4548.9	4564.1
22.5°	4462.2	4467.4	4492.9	4523.4	4447.0	4492.9	4472.5	4396.0	4401.1	4431.8	4452.1
25°	4309.5	4319.6	4340.0	4370.6	4299.2	4340.0	4309.5	4248.4	4243.2	4278.9	4304.4
27.5°	4110.8	4126.1	4146.5	4171.9	4105.8	4136.2	4115.9	4054.8	4049.6	4085.4	4110.8
30°	3861.1	3881.5	3901.9	3917.2	3856.1	3886.6	3861.1	3805.1	3805.1	3835.8	3851.0
32.5°	3565.8	3586.1	3611.6	3621.8	3560.6	3596.2	3575.9	3514.8	3514.8	3545.4	3575.9
35°	3214.2	3249.9	3265.2	3280.5	3219.4	3239.8	3249.9	3168.4	3178.6	3204.1	3244.9
37.5°	2837.2	2867.9	2888.2	2898.4	2842.4	2862.8	2867.9	2796.5	2806.8	2827.1	2873.0
40°	2414.5	2450.1	2465.5	2470.5	2429.8	2445.1	2450.1	2378.9	2394.1	2409.4	2445.1
42.5°	1991.8	1996.9	2012.1	2022.2	1986.6	1991.8	2001.9	1935.6	1956.0	1961.1	1996.9
45°	1518.0	1538.4	1548.5	1558.8	1528.1	1538.4	1538.4	1492.5	1497.6	1507.8	1538.4
47.5°	1095.2	1110.5	1120.6	1130.9	1105.4	1115.6	1115.6	1069.8	1085.0	1090.1	1110.5
50°	748.8	759.0	764.1	759.0	759.0	759.0	759.0	733.5	748.8	733.5	759.0
52.5°	489.0	494.1	504.2	504.2	489.0	499.2	499.2	478.9	483.9	483.9	499.2
55°	300.5	305.6	310.8	305.6	300.5	305.6	305.6	295.5	305.6	295.5	310.8
57.5°	173.2	178.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	168.1	178.2
60°	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	101.9
62.5°	61.1	66.2	66.2	66.2	66.2	66.2	66.2	61.1	66.2	66.2	66.2
65°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	56.0
67.5°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	45.9
70°	30.6	30.6	30.6	30.6	30.6	30.6	35.6	35.6	30.6	35.6	35.6
72.5°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
75°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	20.4
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
80°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	10.2
82.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	5.1	0.0	5.1
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: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4426.6	4385.9	4385.9	4340.0	4380.8	4385.9	4334.9	4319.6	4375.6	4314.5	4345.1
5°	4467.4	4426.6	4426.6	4380.8	4411.4	4411.4	4360.4	4334.9	4391.0	4329.9	4355.2
7.5°	4518.2	4472.5	4462.2	4416.4	4441.9	4447.0	4385.9	4350.2	4406.2	4334.9	4360.4
10°	4533.6	4482.6	4477.5	4431.8	4452.1	4457.1	4385.9	4355.2	4401.1	4324.8	4340.0
12.5°	4569.2	4513.2	4513.2	4467.4	4482.6	4482.6	4411.4	4370.6	4411.4	4334.9	4345.1
15°	4610.0	4548.9	4548.9	4503.0	4513.2	4518.2	4431.8	4391.0	4426.6	4345.1	4355.2
17.5°	4610.0	4543.8	4543.8	4503.0	4508.1	4503.0	4421.5	4375.6	4401.1	4314.5	4319.6
20°	4538.6	4472.5	4482.6	4436.8	4441.9	4436.8	4350.2	4304.4	4329.9	4238.1	4248.4
22.5°	4421.5	4360.4	4370.6	4329.9	4329.9	4324.8	4243.2	4197.4	4222.9	4131.1	4136.2
25°	4273.8	4212.6	4222.9	4182.1	4187.2	4187.2	4105.8	4054.8	4080.2	3998.8	3998.8
27.5°	4080.2	4019.1	4034.4	4008.9	3993.6	3998.8	3927.4	3876.5	3901.9	3825.5	3825.5
30°	3830.6	3779.6	3795.0	3774.6	3759.2	3759.2	3698.1	3647.2	3672.8	3606.5	3601.4
32.5°	3535.1	3494.4	3509.8	3494.4	3479.1	3494.4	3428.2	3377.2	3402.8	3351.8	3356.9
35°	3214.2	3173.5	3183.8	3168.4	3158.2	3168.4	3102.2	3066.5	3092.0	3041.1	3061.5
37.5°	2857.6	2786.4	2816.9	2806.8	2796.5	2801.6	2740.5	2715.0	2745.6	2715.0	2730.4
40°	2440.0	2389.0	2409.4	2399.2	2389.0	2414.5	2368.6	2333.0	2358.5	2338.1	2368.6
42.5°	1986.6	1945.9	1971.4	1966.2	1951.0	1981.5	1945.9	1920.4	1961.1	1951.0	1976.4
45°	1528.1	1497.6	1518.0	1518.0	1512.9	1538.4	1502.8	1507.8	1548.5	1563.9	1594.4
47.5°	1105.4	1059.5	1085.0	1100.2	1100.2	1125.8	1105.4	1125.8	1171.6	1202.1	1227.6
50°	753.9	743.8	748.8	753.9	764.1	784.5	779.4	809.9	840.5	891.4	922.0
52.5°	499.2	489.0	499.2	504.2	514.5	534.9	534.9	570.5	606.1	652.0	687.6
55°	310.8	305.6	310.8	315.9	326.0	346.4	351.5	387.1	422.8	468.6	499.2
57.5°	178.2	183.4	183.4	193.6	198.6	214.0	229.2	249.6	290.4	336.2	366.8
60°	101.9	101.9	107.0	112.1	117.1	132.5	142.6	163.0	193.6	239.4	259.8
62.5°	66.2	66.2	71.4	71.4	76.4	86.6	96.8	117.1	142.6	178.2	198.6
65°	56.0	56.0	56.0	61.1	61.1	71.4	81.5	96.8	117.1	142.6	163.0
67.5°	45.9	45.9	45.9	51.0	51.0	56.0	66.2	76.4	91.8	112.1	127.4
70°	35.6	35.6	35.6	40.8	40.8	45.9	51.0	56.0	71.4	86.6	96.8
72.5°	25.5	25.5	30.6	30.6	30.6	35.6	40.8	45.9	56.0	66.2	71.4
75°	20.4	20.4	20.4	20.4	25.5	25.5	30.6	35.6	40.8	45.9	51.0
77.5°	10.2	10.2	15.2	15.2	15.2	20.4	20.4	25.5	30.6	35.6	35.6
80°	10.2	10.2	10.2	10.2	10.2	15.2	15.2	15.2	20.4	25.5	25.5
82.5°	5.1	5.1	5.1	5.1	5.1	10.2	10.2	10.2	15.2	15.2	15.2
85°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	10.2	10.2	10.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	5.1	5.1	5.1
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: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6	4375.6
2.5°	4309.5	4324.8	4324.8	4309.5	4268.8	4304.4	4340.0	4304.4	4350.2	4268.8	4268.8
5°	4309.5	4319.6	4314.5	4294.1	4253.4	4284.0	4309.5	4273.8	4309.5	4233.0	4228.0
7.5°	4319.6	4309.5	4299.2	4273.8	4222.9	4243.2	4268.8	4228.0	4263.6	4182.1	4171.9
10°	4299.2	4284.0	4263.6	4228.0	4171.9	4187.2	4202.5	4166.9	4192.2	4110.8	4105.8
12.5°	4299.2	4273.8	4243.2	4202.5	4141.4	4151.5	4166.9	4121.0	4141.4	4065.0	4054.8
15°	4309.5	4263.6	4228.0	4182.1	4115.9	4121.0	4131.1	4080.2	4100.6	4019.1	4014.0
17.5°	4273.8	4222.9	4187.2	4131.1	4059.9	4065.0	4065.0	4014.0	4029.2	3947.8	3942.6
20°	4197.4	4136.2	4095.5	4044.6	3968.1	3968.1	3968.1	3917.2	3927.4	3856.1	3845.9
22.5°	4090.4	4024.2	3983.5	3932.5	3861.1	3856.1	3851.0	3810.2	3810.2	3744.0	3728.8
25°	3947.8	3886.6	3845.9	3800.0	3728.8	3718.5	3718.5	3682.9	3677.8	3616.6	3606.5
27.5°	3784.8	3713.5	3677.8	3637.0	3570.9	3560.6	3555.5	3535.1	3525.0	3458.8	3453.6
30°	3565.8	3504.6	3474.0	3438.4	3377.2	3367.1	3362.0	3341.6	3336.5	3270.2	3270.2
32.5°	3331.4	3255.0	3234.6	3199.0	3153.1	3148.0	3153.1	3127.6	3107.2	3061.5	3051.2
35°	3051.2	2974.9	2959.5	2944.2	2908.6	2898.4	2893.4	2888.2	2862.8	2832.2	2816.9
37.5°	2725.2	2659.0	2659.0	2653.9	2628.5	2628.5	2628.5	2618.2	2592.8	2582.6	2552.0
40°	2373.8	2322.9	2327.9	2333.0	2322.9	2327.9	2333.0	2322.9	2302.5	2292.2	2266.8
42.5°	1996.9	1971.4	1991.8	2007.0	2007.0	2022.2	2032.5	2032.5	2007.0	2001.9	1981.5
45°	1619.9	1614.8	1655.5	1686.1	1696.2	1721.8	1737.0	1726.9	1726.9	1726.9	1706.5
47.5°	1268.4	1288.8	1324.4	1385.5	1405.9	1436.5	1446.6	1462.0	1456.9	1462.0	1446.6
50°	962.8	1008.6	1054.5	1115.6	1146.1	1181.8	1197.1	1217.5	1217.5	1222.5	1212.4
52.5°	728.4	764.1	840.5	881.2	916.9	952.5	972.9	993.2	998.4	998.4	988.2
55°	540.0	590.9	641.9	697.9	728.4	764.1	779.4	799.8	799.8	809.9	799.8
57.5°	392.2	443.1	499.2	540.0	575.6	601.1	616.4	631.6	641.9	641.9	636.8
60°	290.4	331.1	377.0	417.8	448.2	473.8	483.9	499.2	504.2	504.2	494.1
62.5°	219.0	259.8	300.5	336.2	356.6	377.0	387.1	397.4	397.4	397.4	392.2
65°	178.2	208.9	239.4	270.0	290.4	305.6	310.8	320.9	315.9	320.9	315.9
67.5°	142.6	163.0	188.5	208.9	224.1	234.4	239.4	249.6	244.5	249.6	244.5
70°	107.0	127.4	142.6	157.9	168.1	178.2	183.4	188.5	183.4	188.5	183.4
72.5°	81.5	91.8	107.0	122.2	127.4	132.5	137.5	137.5	137.5	142.6	137.5
75°	56.0	66.2	76.4	81.5	91.8	96.8	96.8	101.9	101.9	101.9	101.9
77.5°	40.8	45.9	51.0	56.0	61.1	66.2	66.2	71.4	71.4	71.4	71.4
80°	25.5	30.6	30.6	35.6	40.8	40.8	45.9	45.9	45.9	45.9	45.9
82.5°	15.2	20.4	20.4	25.5	25.5	25.5	30.6	30.6	30.6	30.6	30.6
85°	10.2	10.2	10.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	10.2	10.2	5.1	5.1
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: P212850

CATALOG NUMBER: LE_6B60D010R EC6B60708035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	4375.6	4375.6	4375.6	4375.6
2.5°	4309.5	4284.0	4324.8	4263.6
5°	4263.6	4238.1	4289.1	4212.6
7.5°	4207.6	4182.1	4228.0	4151.5
10°	4136.2	4110.8	4151.5	4070.0
12.5°	4075.1	4049.6	4095.5	4019.1
15°	4029.2	4003.9	4044.6	3973.2
17.5°	3958.0	3927.4	3973.2	3896.9
20°	3856.1	3835.8	3871.4	3795.0
22.5°	3738.9	3718.5	3759.2	3682.9
25°	3616.6	3591.2	3632.0	3555.5
27.5°	3458.8	3438.4	3479.1	3402.8
30°	3270.2	3249.9	3290.6	3219.4
32.5°	3056.4	3036.0	3066.5	3005.4
35°	2811.9	2796.5	2827.1	2760.9
37.5°	2547.0	2531.6	2562.2	2496.0
40°	2261.8	2246.4	2271.9	2241.4
42.5°	1981.5	1966.2	1991.8	1966.2
45°	1706.5	1696.2	1721.8	1696.2
47.5°	1451.8	1441.6	1467.0	1441.6
50°	1207.2	1212.4	1222.5	1212.4
52.5°	988.2	988.2	1003.5	988.2
55°	799.8	804.9	809.9	799.8
57.5°	636.8	636.8	641.9	636.8
60°	494.1	499.2	499.2	494.1
62.5°	392.2	392.2	392.2	392.2
65°	310.8	310.8	315.9	310.8
67.5°	244.5	239.4	244.5	239.4
70°	183.4	183.4	183.4	183.4
72.5°	142.6	142.6	137.5	137.5
75°	101.9	107.0	101.9	101.9
77.5°	71.4	71.4	71.4	71.4
80°	45.9	45.9	45.9	45.9
82.5°	30.6	30.6	30.6	30.6
85°	20.4	15.2	15.2	15.2
87.5°	10.2	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)