

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: P212851

Luminaire Tested: **LE_6B60D010R EC6B60708040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212851
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 EC6B60708040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7388.6 lumens
Efficiency: N/A
Efficacy: 118.2 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

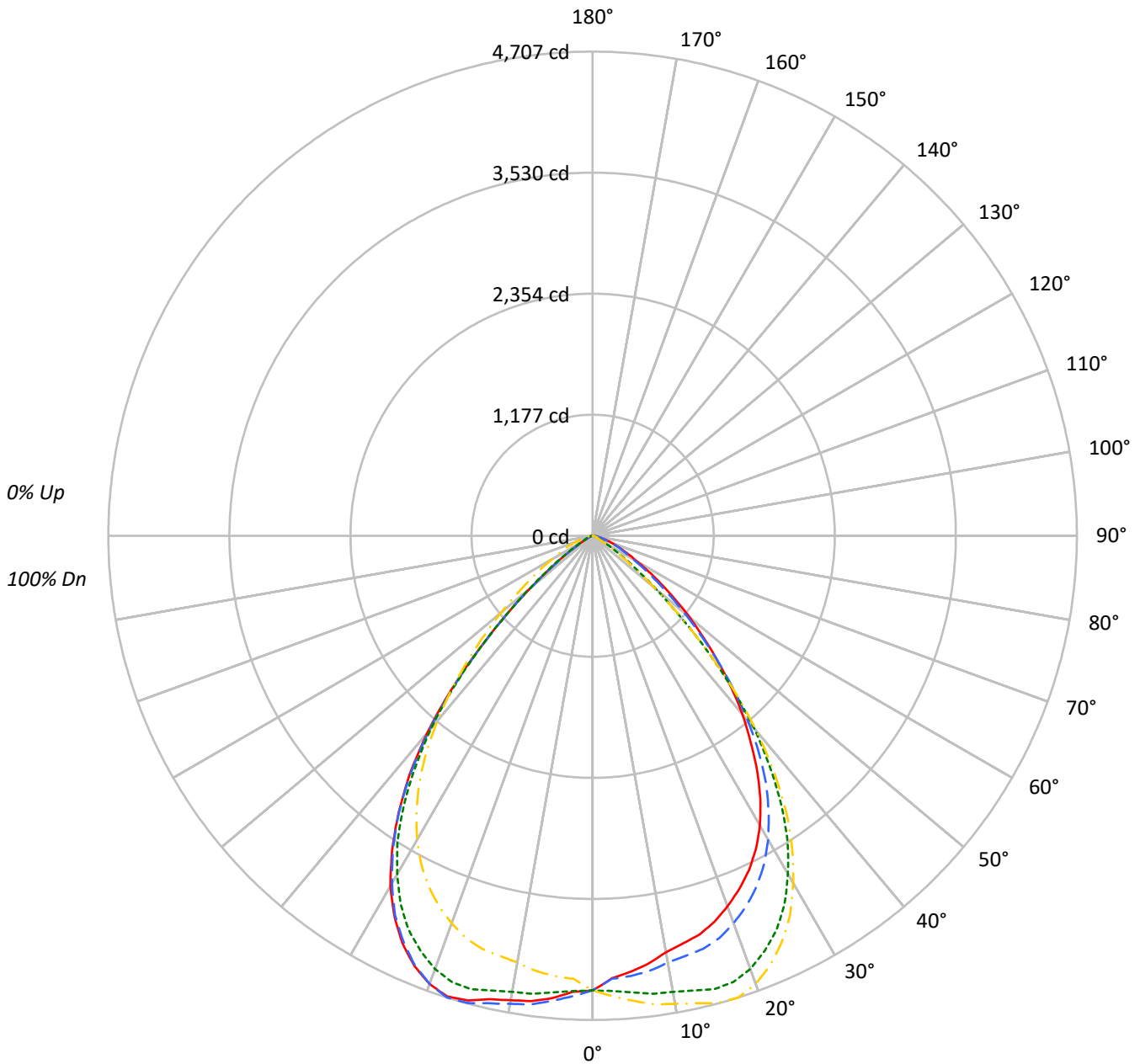
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	242261	242261	242261	242261
5°	234129	245168	248288	245168
10°	228815	250580	255167	250580
15°	227743	258980	265410	258980
20°	223599	261414	270410	261414
25°	217210	255795	264505	255795
30°	205816	240341	248804	240341
35°	186608	214154	220003	214154
40°	161989	174506	178921	174506
45°	132812	120447	121253	120447
50°	104423	67563	66258	67563
55°	77206	33442	30001	33442
60°	54711	14670	10723	14670
65°	40718	9340	6680	9340
70°	29684	7405	4953	7405
75°	21795	5465	3262	5465
80°	14585	4862	1610	4862
85°	9686	3208	3208	3208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.1	5.7
10°-20°	1253.0	17.0
20°-30°	1869.9	25.3
30°-40°	1921.1	26.0
40°-50°	1244.1	16.8
50°-60°	462.6	6.3
60°-70°	151.8	2.1
70°-80°	53.5	0.7
80°-90°	9.6	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°	3545.9	48.0
0°-40°	5467.0	74.0
0°-60°	7173.7	97.1
0°-90°	7388.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7388.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4419	4419	4419	4419	4419	
5°	4255	4455	4512	4455	4255	402
15°	4013	4563	4676	4563	4013	1129
25°	3591	4229	4373	4229	3591	1646
35°	2788	3200	3287	3200	2788	1731
45°	1713	1554	1564	1554	1713	1325
55°	808	350	314	350	808	736
65°	314	72	52	72	314	319
75°	103	26	15	26	103	113
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°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4306.0	4367.8	4326.6	4352.4	4311.2	4311.2	4393.5	4347.2	4383.2	4347.2	4311.2
5°	4254.6	4331.8	4280.4	4306.0	4270.0	4275.1	4352.4	4316.4	4352.4	4326.6	4295.8
7.5°	4192.9	4270.0	4223.8	4249.5	4213.5	4223.8	4306.0	4270.0	4311.2	4285.5	4264.9
10°	4110.5	4192.9	4151.8	4177.4	4146.6	4151.8	4234.0	4208.2	4244.4	4228.9	4213.5
12.5°	4059.1	4136.2	4090.0	4115.8	4095.1	4105.4	4182.6	4162.0	4208.2	4192.9	4182.6
15°	4012.8	4084.9	4043.6	4069.4	4054.0	4059.1	4141.4	4120.9	4172.2	4162.0	4156.9
17.5°	3935.6	4012.8	3966.5	3997.4	3982.0	3987.1	4069.4	4054.0	4105.4	4105.4	4100.2
20°	3832.8	3909.9	3873.9	3894.5	3884.2	3894.5	3966.5	3956.2	4007.6	4007.6	4007.6
22.5°	3719.6	3796.8	3755.6	3776.1	3765.9	3781.2	3848.1	3848.1	3889.4	3894.5	3899.6
25°	3591.0	3668.1	3627.0	3652.6	3642.4	3652.6	3714.4	3719.6	3755.6	3755.6	3765.9
27.5°	3436.6	3513.8	3472.6	3493.2	3488.0	3493.2	3560.1	3570.4	3591.0	3596.1	3606.4
30°	3251.4	3323.4	3282.2	3302.9	3302.9	3302.9	3369.8	3374.9	3395.5	3400.6	3410.9
32.5°	3035.4	3097.1	3066.2	3086.8	3081.6	3091.9	3138.2	3158.8	3184.5	3179.4	3184.5
35°	2788.4	2855.2	2824.4	2839.9	2845.0	2860.4	2891.2	2917.0	2922.1	2927.2	2937.6
37.5°	2520.9	2587.8	2556.9	2572.2	2577.5	2608.4	2618.6	2644.4	2654.6	2654.6	2654.6
40°	2263.6	2294.5	2268.8	2284.2	2289.4	2315.1	2325.4	2346.0	2356.2	2351.1	2346.0
42.5°	1985.9	2011.5	1985.9	2001.2	2001.2	2021.9	2027.0	2052.8	2052.8	2042.4	2027.0
45°	1713.1	1738.9	1713.1	1723.5	1723.5	1744.0	1744.0	1744.0	1754.4	1738.9	1713.1
47.5°	1455.9	1481.6	1455.9	1466.2	1461.1	1476.5	1471.4	1476.5	1461.1	1450.8	1419.9
50°	1224.4	1234.8	1224.4	1219.2	1224.4	1234.8	1229.6	1229.6	1209.0	1193.5	1157.5
52.5°	998.0	1013.5	998.0	998.0	998.0	1008.4	1008.4	1003.2	982.6	962.0	926.0
55°	807.8	818.0	812.9	807.8	807.8	818.0	807.8	807.8	787.1	771.8	735.6
57.5°	643.1	648.2	643.1	643.1	643.1	648.2	648.2	637.9	622.5	607.1	581.4
60°	499.0	504.1	504.1	499.0	499.0	509.4	509.4	504.1	488.8	478.5	452.8
62.5°	396.1	396.1	396.1	396.1	396.1	401.2	401.2	401.2	391.0	380.8	360.1
65°	313.9	319.0	313.9	313.9	319.0	324.1	319.0	324.1	313.9	308.6	293.2
67.5°	241.8	247.0	241.8	247.0	247.0	252.1	247.0	252.1	241.8	236.6	226.4
70°	185.2	185.2	185.2	185.2	185.2	190.4	185.2	190.4	185.2	180.0	169.8
72.5°	138.9	138.9	144.0	144.0	138.9	144.0	138.9	138.9	138.9	133.8	128.6
75°	102.9	102.9	108.0	102.9	102.9	102.9	102.9	102.9	97.8	97.8	92.6
77.5°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	66.9	66.9	61.8
80°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	41.1	41.1
82.5°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	25.8	25.8
85°	15.4	15.4	15.4	20.6	15.4	15.4	15.4	15.4	15.4	15.4	15.4
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4352.4	4367.8	4367.8	4352.4	4388.4	4357.5	4419.2	4362.6	4378.1	4429.5	4424.4
5°	4336.9	4357.5	4362.6	4352.4	4398.6	4372.9	4434.6	4378.1	4403.8	4455.2	4455.2
7.5°	4316.4	4342.0	4352.4	4362.6	4403.8	4378.1	4450.1	4393.5	4429.5	4491.2	4486.1
10°	4270.0	4306.0	4326.6	4342.0	4383.2	4367.8	4445.0	4398.6	4429.5	4501.5	4496.4
12.5°	4244.4	4285.5	4316.4	4342.0	4388.4	4378.1	4455.2	4414.1	4455.2	4527.2	4527.2
15°	4223.8	4270.0	4306.0	4352.4	4398.6	4388.4	4470.6	4434.6	4475.9	4563.2	4558.1
17.5°	4172.2	4228.9	4264.9	4316.4	4362.6	4357.5	4445.0	4419.2	4465.5	4547.9	4553.0
20°	4084.9	4136.2	4177.4	4239.1	4290.6	4280.4	4372.9	4347.2	4393.5	4481.0	4486.1
22.5°	3971.6	4023.1	4064.2	4131.1	4177.4	4172.2	4264.9	4239.1	4285.5	4367.8	4372.9
25°	3837.9	3884.2	3925.4	3987.1	4038.5	4038.5	4120.9	4095.1	4146.6	4228.9	4228.9
27.5°	3673.2	3714.4	3750.4	3822.5	3863.6	3863.6	3940.8	3915.0	3966.5	4038.5	4033.4
30°	3472.6	3508.6	3539.5	3601.2	3637.2	3642.4	3709.2	3683.5	3735.0	3796.8	3796.8
32.5°	3230.9	3266.9	3287.4	3364.6	3390.2	3385.1	3436.6	3410.9	3462.4	3529.2	3513.8
35°	2973.6	2989.0	3004.5	3081.6	3091.9	3071.4	3122.8	3097.1	3133.1	3200.0	3189.6
37.5°	2680.4	2685.5	2685.5	2752.4	2757.5	2742.1	2773.0	2742.1	2767.8	2829.5	2824.4
40°	2356.2	2351.1	2346.0	2397.4	2392.2	2361.4	2382.0	2356.2	2392.2	2438.5	2412.9
42.5°	2027.0	2011.5	1991.0	2016.8	1996.1	1970.4	1980.6	1939.5	1965.2	2001.2	1970.4
45°	1702.9	1672.0	1630.9	1636.0	1610.2	1579.4	1564.0	1522.8	1517.6	1553.6	1528.0
47.5°	1399.4	1337.6	1301.6	1281.0	1239.9	1214.1	1183.2	1137.0	1116.4	1137.0	1111.2
50°	1126.6	1064.9	1018.6	972.4	931.1	900.2	848.9	818.0	787.1	792.2	771.8
52.5°	890.0	848.9	771.8	735.6	694.5	658.5	612.2	576.2	540.1	540.1	519.6
55°	704.9	648.2	596.8	545.4	504.1	473.2	427.0	391.0	355.0	349.9	329.2
57.5°	545.4	504.1	447.6	396.1	370.4	339.5	293.2	252.1	231.5	216.1	200.6
60°	421.9	380.8	334.4	293.2	262.4	241.8	195.5	164.6	144.0	133.8	118.4
62.5°	339.5	303.5	262.4	221.2	200.6	180.0	144.0	118.4	97.8	87.5	77.1
65°	272.6	241.8	210.9	180.0	164.6	144.0	118.4	97.8	82.4	72.0	61.8
67.5°	210.9	190.4	164.6	144.0	128.6	113.1	92.6	77.1	66.9	56.6	51.5
70°	159.5	144.0	128.6	108.0	97.8	87.5	72.0	56.6	51.5	46.2	41.1
72.5°	123.5	108.0	92.6	82.4	72.0	66.9	56.6	46.2	41.1	36.0	30.9
75°	82.4	77.1	66.9	56.6	51.5	46.2	41.1	36.0	30.9	25.8	25.8
77.5°	56.6	51.5	46.2	41.1	36.0	36.0	30.9	25.8	20.6	20.6	15.4
80°	36.0	30.9	30.9	25.8	25.8	25.8	20.6	15.4	15.4	15.4	10.2
82.5°	25.8	20.6	20.6	15.4	15.4	15.4	15.4	10.2	10.2	10.2	5.1
85°	15.4	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4383.2	4429.5	4429.5	4470.6	4475.9	4465.5	4419.2	4419.2	4481.0	4517.0	4455.2
5°	4424.4	4470.6	4470.6	4511.9	4532.4	4517.0	4470.6	4475.9	4537.5	4578.8	4517.0
7.5°	4460.4	4506.8	4517.0	4563.2	4578.8	4563.2	4517.0	4527.2	4594.1	4630.1	4568.4
10°	4475.9	4522.1	4527.2	4578.8	4599.2	4578.8	4542.8	4547.9	4619.9	4645.6	4589.0
12.5°	4511.9	4558.1	4558.1	4614.8	4635.2	4619.9	4573.6	4583.9	4655.9	4681.6	4625.0
15°	4547.9	4594.1	4594.1	4655.9	4681.6	4661.0	4625.0	4630.1	4702.1	4727.9	4681.6
17.5°	4547.9	4589.0	4589.0	4655.9	4681.6	4666.1	4625.0	4630.1	4707.4	4727.9	4681.6
20°	4481.0	4527.2	4517.0	4583.9	4609.6	4594.1	4558.1	4558.1	4635.2	4655.9	4609.6
22.5°	4372.9	4414.1	4403.8	4465.5	4496.4	4475.9	4445.0	4439.8	4517.0	4537.5	4491.2
25°	4223.8	4264.9	4254.6	4316.4	4347.2	4321.5	4285.5	4290.6	4352.4	4383.2	4342.0
27.5°	4048.9	4074.5	4059.1	4120.9	4151.8	4126.0	4090.0	4095.1	4156.9	4177.4	4146.6
30°	3812.1	3832.8	3817.2	3868.8	3889.4	3873.9	3843.0	3843.0	3899.6	3925.4	3894.5
32.5°	3529.2	3544.6	3529.2	3570.4	3611.5	3580.6	3549.8	3549.8	3611.5	3632.1	3596.1
35°	3200.0	3215.4	3205.1	3246.2	3277.1	3236.0	3210.2	3200.0	3282.2	3272.0	3251.4
37.5°	2834.6	2845.0	2814.1	2886.1	2901.6	2855.2	2834.6	2824.4	2896.4	2891.2	2870.8
40°	2423.1	2433.4	2412.9	2464.2	2469.4	2433.4	2418.0	2402.5	2474.6	2469.4	2454.0
42.5°	1985.9	1991.0	1965.2	2006.4	2016.8	1980.6	1975.5	1955.0	2021.9	2011.5	2006.4
45°	1533.1	1533.1	1512.5	1543.4	1553.6	1522.8	1512.5	1507.4	1553.6	1553.6	1543.4
47.5°	1111.2	1095.8	1070.1	1116.4	1121.5	1101.0	1095.8	1080.4	1126.6	1126.6	1116.4
50°	761.4	756.2	751.1	761.4	766.5	740.9	756.2	740.9	766.5	766.5	766.5
52.5°	509.4	504.1	493.9	504.1	504.1	488.8	488.8	483.6	504.1	504.1	493.9
55°	319.0	313.9	308.6	313.9	313.9	298.4	308.6	298.4	308.6	308.6	303.5
57.5°	195.5	185.2	185.2	180.0	180.0	169.8	174.9	174.9	174.9	174.9	174.9
60°	113.1	108.0	102.9	102.9	102.9	97.8	97.8	97.8	97.8	97.8	97.8
62.5°	72.0	72.0	66.9	66.9	66.9	66.9	66.9	61.8	66.9	66.9	66.9
65°	61.8	56.6	56.6	56.6	56.6	51.5	51.5	51.5	51.5	51.5	51.5
67.5°	51.5	46.2	46.2	46.2	46.2	41.1	41.1	41.1	41.1	41.1	41.1
70°	41.1	36.0	36.0	36.0	36.0	36.0	30.9	36.0	36.0	30.9	30.9
72.5°	30.9	30.9	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
75°	20.6	20.6	20.6	20.6	20.6	15.4	15.4	15.4	15.4	15.4	15.4
77.5°	15.4	15.4	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: P212851

CATALOG NUMBER: LE_6B60D010R EC6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4527.2	4475.9	4450.1	4501.5	4522.1	4496.4	4475.9	4439.8	4475.9	4496.4	4522.1
5°	4589.0	4542.8	4522.1	4558.1	4589.0	4563.2	4547.9	4511.9	4547.9	4563.2	4589.0
7.5°	4645.6	4599.2	4573.6	4609.6	4645.6	4609.6	4594.1	4563.2	4594.1	4609.6	4645.6
10°	4666.1	4614.8	4594.1	4625.0	4661.0	4625.0	4604.5	4583.9	4604.5	4625.0	4661.0
12.5°	4702.1	4650.8	4625.0	4650.8	4686.8	4650.8	4630.1	4614.8	4630.1	4650.8	4686.8
15°	4753.6	4707.4	4676.5	4702.1	4748.5	4707.4	4681.6	4676.5	4681.6	4707.4	4748.5
17.5°	4753.6	4717.6	4686.8	4707.4	4753.6	4722.8	4686.8	4697.0	4686.8	4722.8	4753.6
20°	4686.8	4650.8	4625.0	4625.0	4691.9	4650.8	4619.9	4635.2	4619.9	4650.8	4691.9
22.5°	4568.4	4537.5	4511.9	4506.8	4573.6	4537.5	4496.4	4527.2	4496.4	4537.5	4573.6
25°	4414.1	4383.2	4362.6	4352.4	4419.2	4378.1	4342.0	4372.9	4342.0	4378.1	4419.2
27.5°	4213.5	4187.8	4167.1	4151.8	4213.5	4177.4	4141.4	4172.2	4141.4	4177.4	4213.5
30°	3956.2	3940.8	3920.2	3899.6	3961.4	3925.4	3889.4	3930.5	3889.4	3925.4	3961.4
32.5°	3657.9	3647.5	3621.9	3601.2	3663.0	3621.9	3596.1	3627.0	3596.1	3621.9	3663.0
35°	3313.1	3297.8	3282.2	3246.2	3313.1	3277.1	3277.1	3287.4	3277.1	3277.1	3313.1
37.5°	2927.2	2917.0	2896.4	2865.5	2922.1	2896.4	2886.1	2917.0	2886.1	2896.4	2922.1
40°	2495.1	2490.0	2474.6	2438.5	2500.2	2474.6	2459.1	2500.2	2459.1	2474.6	2500.2
42.5°	2042.4	2032.1	2016.8	2011.5	2042.4	2021.9	2037.2	2037.2	2037.2	2021.9	2042.4
45°	1574.2	1564.0	1553.6	1533.1	1569.1	1558.9	1553.6	1564.0	1553.6	1558.9	1569.1
47.5°	1142.1	1131.9	1121.5	1106.1	1142.1	1126.6	1126.6	1137.0	1126.6	1126.6	1142.1
50°	766.5	771.8	766.5	756.2	766.5	761.4	766.5	776.9	766.5	761.4	766.5
52.5°	509.4	509.4	499.0	493.9	504.1	499.0	514.5	504.1	514.5	499.0	504.1
55°	308.6	313.9	308.6	303.5	308.6	303.5	319.0	313.9	319.0	303.5	308.6
57.5°	174.9	174.9	180.0	174.9	185.2	180.0	180.0	180.0	180.0	180.0	185.2
60°	97.8	97.8	97.8	97.8	97.8	97.8	102.9	97.8	102.9	97.8	97.8
62.5°	66.9	66.9	66.9	61.8	66.9	61.8	66.9	66.9	66.9	61.8	66.9
65°	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
67.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
70°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
72.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
75°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
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	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: P212851

CATALOG NUMBER: LE_6B60D010R EC6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4501.5	4450.1	4475.9	4527.2	4455.2	4517.0	4481.0	4419.2	4419.2	4465.5	4475.9
5°	4558.1	4522.1	4542.8	4589.0	4517.0	4578.8	4537.5	4475.9	4470.6	4517.0	4532.4
7.5°	4609.6	4573.6	4599.2	4645.6	4568.4	4630.1	4594.1	4527.2	4517.0	4563.2	4578.8
10°	4625.0	4594.1	4614.8	4666.1	4589.0	4645.6	4619.9	4547.9	4542.8	4578.8	4599.2
12.5°	4650.8	4625.0	4650.8	4702.1	4625.0	4681.6	4655.9	4583.9	4573.6	4619.9	4635.2
15°	4702.1	4676.5	4707.4	4753.6	4681.6	4727.9	4702.1	4630.1	4625.0	4661.0	4681.6
17.5°	4707.4	4686.8	4717.6	4753.6	4681.6	4727.9	4707.4	4630.1	4625.0	4666.1	4681.6
20°	4625.0	4625.0	4650.8	4686.8	4609.6	4655.9	4635.2	4558.1	4558.1	4594.1	4609.6
22.5°	4506.8	4511.9	4537.5	4568.4	4491.2	4537.5	4517.0	4439.8	4445.0	4475.9	4496.4
25°	4352.4	4362.6	4383.2	4414.1	4342.0	4383.2	4352.4	4290.6	4285.5	4321.5	4347.2
27.5°	4151.8	4167.1	4187.8	4213.5	4146.6	4177.4	4156.9	4095.1	4090.0	4126.0	4151.8
30°	3899.6	3920.2	3940.8	3956.2	3894.5	3925.4	3899.6	3843.0	3843.0	3873.9	3889.4
32.5°	3601.2	3621.9	3647.5	3657.9	3596.1	3632.1	3611.5	3549.8	3549.8	3580.6	3611.5
35°	3246.2	3282.2	3297.8	3313.1	3251.4	3272.0	3282.2	3200.0	3210.2	3236.0	3277.1
37.5°	2865.5	2896.4	2917.0	2927.2	2870.8	2891.2	2896.4	2824.4	2834.6	2855.2	2901.6
40°	2438.5	2474.6	2490.0	2495.1	2454.0	2469.4	2474.6	2402.5	2418.0	2433.4	2469.4
42.5°	2011.5	2016.8	2032.1	2042.4	2006.4	2011.5	2021.9	1955.0	1975.5	1980.6	2016.8
45°	1533.1	1553.6	1564.0	1574.2	1543.4	1553.6	1553.6	1507.4	1512.5	1522.8	1553.6
47.5°	1106.1	1121.5	1131.9	1142.1	1116.4	1126.6	1126.6	1080.4	1095.8	1101.0	1121.5
50°	756.2	766.5	771.8	766.5	766.5	766.5	766.5	740.9	756.2	740.9	766.5
52.5°	493.9	499.0	509.4	509.4	493.9	504.1	504.1	483.6	488.8	488.8	504.1
55°	303.5	308.6	313.9	308.6	303.5	308.6	308.6	298.4	308.6	298.4	313.9
57.5°	174.9	180.0	174.9	174.9	174.9	174.9	174.9	174.9	174.9	169.8	180.0
60°	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	102.9
62.5°	61.8	66.9	66.9	66.9	66.9	66.9	66.9	61.8	66.9	66.9	66.9
65°	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	56.6
67.5°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	46.2
70°	30.9	30.9	30.9	30.9	30.9	30.9	36.0	36.0	30.9	36.0	36.0
72.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
75°	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	20.6
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: P212851

CATALOG NUMBER: LE_6B60D010R EC6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4470.6	4429.5	4429.5	4383.2	4424.4	4429.5	4378.1	4362.6	4419.2	4357.5	4388.4
5°	4511.9	4470.6	4470.6	4424.4	4455.2	4455.2	4403.8	4378.1	4434.6	4372.9	4398.6
7.5°	4563.2	4517.0	4506.8	4460.4	4486.1	4491.2	4429.5	4393.5	4450.1	4378.1	4403.8
10°	4578.8	4527.2	4522.1	4475.9	4496.4	4501.5	4429.5	4398.6	4445.0	4367.8	4383.2
12.5°	4614.8	4558.1	4558.1	4511.9	4527.2	4527.2	4455.2	4414.1	4455.2	4378.1	4388.4
15°	4655.9	4594.1	4594.1	4547.9	4558.1	4563.2	4475.9	4434.6	4470.6	4388.4	4398.6
17.5°	4655.9	4589.0	4589.0	4547.9	4553.0	4547.9	4465.5	4419.2	4445.0	4357.5	4362.6
20°	4583.9	4517.0	4527.2	4481.0	4486.1	4481.0	4393.5	4347.2	4372.9	4280.4	4290.6
22.5°	4465.5	4403.8	4414.1	4372.9	4372.9	4367.8	4285.5	4239.1	4264.9	4172.2	4177.4
25°	4316.4	4254.6	4264.9	4223.8	4228.9	4228.9	4146.6	4095.1	4120.9	4038.5	4038.5
27.5°	4120.9	4059.1	4074.5	4048.9	4033.4	4038.5	3966.5	3915.0	3940.8	3863.6	3863.6
30°	3868.8	3817.2	3832.8	3812.1	3796.8	3796.8	3735.0	3683.5	3709.2	3642.4	3637.2
32.5°	3570.4	3529.2	3544.6	3529.2	3513.8	3529.2	3462.4	3410.9	3436.6	3385.1	3390.2
35°	3246.2	3205.1	3215.4	3200.0	3189.6	3200.0	3133.1	3097.1	3122.8	3071.4	3091.9
37.5°	2886.1	2814.1	2845.0	2834.6	2824.4	2829.5	2767.8	2742.1	2773.0	2742.1	2757.5
40°	2464.2	2412.9	2433.4	2423.1	2412.9	2438.5	2392.2	2356.2	2382.0	2361.4	2392.2
42.5°	2006.4	1965.2	1991.0	1985.9	1970.4	2001.2	1965.2	1939.5	1980.6	1970.4	1996.1
45°	1543.4	1512.5	1533.1	1533.1	1528.0	1553.6	1517.6	1522.8	1564.0	1579.4	1610.2
47.5°	1116.4	1070.1	1095.8	1111.2	1111.2	1137.0	1116.4	1137.0	1183.2	1214.1	1239.9
50°	761.4	751.1	756.2	761.4	771.8	792.2	787.1	818.0	848.9	900.2	931.1
52.5°	504.1	493.9	504.1	509.4	519.6	540.1	540.1	576.2	612.2	658.5	694.5
55°	313.9	308.6	313.9	319.0	329.2	349.9	355.0	391.0	427.0	473.2	504.1
57.5°	180.0	185.2	185.2	195.5	200.6	216.1	231.5	252.1	293.2	339.5	370.4
60°	102.9	102.9	108.0	113.1	118.4	133.8	144.0	164.6	195.5	241.8	262.4
62.5°	66.9	66.9	72.0	72.0	77.1	87.5	97.8	118.4	144.0	180.0	200.6
65°	56.6	56.6	56.6	61.8	61.8	72.0	82.4	97.8	118.4	144.0	164.6
67.5°	46.2	46.2	46.2	51.5	51.5	56.6	66.9	77.1	92.6	113.1	128.6
70°	36.0	36.0	36.0	41.1	41.1	46.2	51.5	56.6	72.0	87.5	97.8
72.5°	25.8	25.8	30.9	30.9	30.9	36.0	41.1	46.2	56.6	66.9	72.0
75°	20.6	20.6	20.6	20.6	25.8	25.8	30.9	36.0	41.1	46.2	51.5
77.5°	10.2	10.2	15.4	15.4	15.4	20.6	20.6	25.8	30.9	36.0	36.0
80°	10.2	10.2	10.2	10.2	10.2	15.4	15.4	15.4	20.6	25.8	25.8
82.5°	5.1	5.1	5.1	5.1	5.1	10.2	10.2	10.2	15.4	15.4	15.4
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: P212851

CATALOG NUMBER: LE_6B60D010R EC6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4352.4	4367.8	4367.8	4352.4	4311.2	4347.2	4383.2	4347.2	4393.5	4311.2	4311.2
5°	4352.4	4362.6	4357.5	4336.9	4295.8	4326.6	4352.4	4316.4	4352.4	4275.1	4270.0
7.5°	4362.6	4352.4	4342.0	4316.4	4264.9	4285.5	4311.2	4270.0	4306.0	4223.8	4213.5
10°	4342.0	4326.6	4306.0	4270.0	4213.5	4228.9	4244.4	4208.2	4234.0	4151.8	4146.6
12.5°	4342.0	4316.4	4285.5	4244.4	4182.6	4192.9	4208.2	4162.0	4182.6	4105.4	4095.1
15°	4352.4	4306.0	4270.0	4223.8	4156.9	4162.0	4172.2	4120.9	4141.4	4059.1	4054.0
17.5°	4316.4	4264.9	4228.9	4172.2	4100.2	4105.4	4105.4	4054.0	4069.4	3987.1	3982.0
20°	4239.1	4177.4	4136.2	4084.9	4007.6	4007.6	4007.6	3956.2	3966.5	3894.5	3884.2
22.5°	4131.1	4064.2	4023.1	3971.6	3899.6	3894.5	3889.4	3848.1	3848.1	3781.2	3765.9
25°	3987.1	3925.4	3884.2	3837.9	3765.9	3755.6	3755.6	3719.6	3714.4	3652.6	3642.4
27.5°	3822.5	3750.4	3714.4	3673.2	3606.4	3596.1	3591.0	3570.4	3560.1	3493.2	3488.0
30°	3601.2	3539.5	3508.6	3472.6	3410.9	3400.6	3395.5	3374.9	3369.8	3302.9	3302.9
32.5°	3364.6	3287.4	3266.9	3230.9	3184.5	3179.4	3184.5	3158.8	3138.2	3091.9	3081.6
35°	3081.6	3004.5	2989.0	2973.6	2937.6	2927.2	2922.1	2917.0	2891.2	2860.4	2845.0
37.5°	2752.4	2685.5	2685.5	2680.4	2654.6	2654.6	2654.6	2644.4	2618.6	2608.4	2577.5
40°	2397.4	2346.0	2351.1	2356.2	2346.0	2351.1	2356.2	2346.0	2325.4	2315.1	2289.4
42.5°	2016.8	1991.0	2011.5	2027.0	2027.0	2042.4	2052.8	2052.8	2027.0	2021.9	2001.2
45°	1636.0	1630.9	1672.0	1702.9	1713.1	1738.9	1754.4	1744.0	1744.0	1744.0	1723.5
47.5°	1281.0	1301.6	1337.6	1399.4	1419.9	1450.8	1461.1	1476.5	1471.4	1476.5	1461.1
50°	972.4	1018.6	1064.9	1126.6	1157.5	1193.5	1209.0	1229.6	1229.6	1234.8	1224.4
52.5°	735.6	771.8	848.9	890.0	926.0	962.0	982.6	1003.2	1008.4	1008.4	998.0
55°	545.4	596.8	648.2	704.9	735.6	771.8	787.1	807.8	807.8	818.0	807.8
57.5°	396.1	447.6	504.1	545.4	581.4	607.1	622.5	637.9	648.2	648.2	643.1
60°	293.2	334.4	380.8	421.9	452.8	478.5	488.8	504.1	509.4	509.4	499.0
62.5°	221.2	262.4	303.5	339.5	360.1	380.8	391.0	401.2	401.2	401.2	396.1
65°	180.0	210.9	241.8	272.6	293.2	308.6	313.9	324.1	319.0	324.1	319.0
67.5°	144.0	164.6	190.4	210.9	226.4	236.6	241.8	252.1	247.0	252.1	247.0
70°	108.0	128.6	144.0	159.5	169.8	180.0	185.2	190.4	185.2	190.4	185.2
72.5°	82.4	92.6	108.0	123.5	128.6	133.8	138.9	138.9	138.9	144.0	138.9
75°	56.6	66.9	77.1	82.4	92.6	97.8	97.8	102.9	102.9	102.9	102.9
77.5°	41.1	46.2	51.5	56.6	61.8	66.9	66.9	72.0	72.0	72.0	72.0
80°	25.8	30.9	30.9	36.0	41.1	41.1	46.2	46.2	46.2	46.2	46.2
82.5°	15.4	20.6	20.6	25.8	25.8	25.8	30.9	30.9	30.9	30.9	30.9
85°	10.2	10.2	10.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
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: P212851

CATALOG NUMBER: LE_6B60D010R EC6B60708040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	4419.2	4419.2	4419.2	4419.2
2.5°	4352.4	4326.6	4367.8	4306.0
5°	4306.0	4280.4	4331.8	4254.6
7.5°	4249.5	4223.8	4270.0	4192.9
10°	4177.4	4151.8	4192.9	4110.5
12.5°	4115.8	4090.0	4136.2	4059.1
15°	4069.4	4043.6	4084.9	4012.8
17.5°	3997.4	3966.5	4012.8	3935.6
20°	3894.5	3873.9	3909.9	3832.8
22.5°	3776.1	3755.6	3796.8	3719.6
25°	3652.6	3627.0	3668.1	3591.0
27.5°	3493.2	3472.6	3513.8	3436.6
30°	3302.9	3282.2	3323.4	3251.4
32.5°	3086.8	3066.2	3097.1	3035.4
35°	2839.9	2824.4	2855.2	2788.4
37.5°	2572.2	2556.9	2587.8	2520.9
40°	2284.2	2268.8	2294.5	2263.6
42.5°	2001.2	1985.9	2011.5	1985.9
45°	1723.5	1713.1	1738.9	1713.1
47.5°	1466.2	1455.9	1481.6	1455.9
50°	1219.2	1224.4	1234.8	1224.4
52.5°	998.0	998.0	1013.5	998.0
55°	807.8	812.9	818.0	807.8
57.5°	643.1	643.1	648.2	643.1
60°	499.0	504.1	504.1	499.0
62.5°	396.1	396.1	396.1	396.1
65°	313.9	313.9	319.0	313.9
67.5°	247.0	241.8	247.0	241.8
70°	185.2	185.2	185.2	185.2
72.5°	144.0	144.0	138.9	138.9
75°	102.9	108.0	102.9	102.9
77.5°	72.0	72.0	72.0	72.0
80°	46.2	46.2	46.2	46.2
82.5°	30.9	30.9	30.9	30.9
85°	20.6	15.4	15.4	15.4
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)