

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: P212852

Luminaire Tested: **LE_6B60D010R EC6B60708050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212852
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 EC6B60708050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7384.5 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

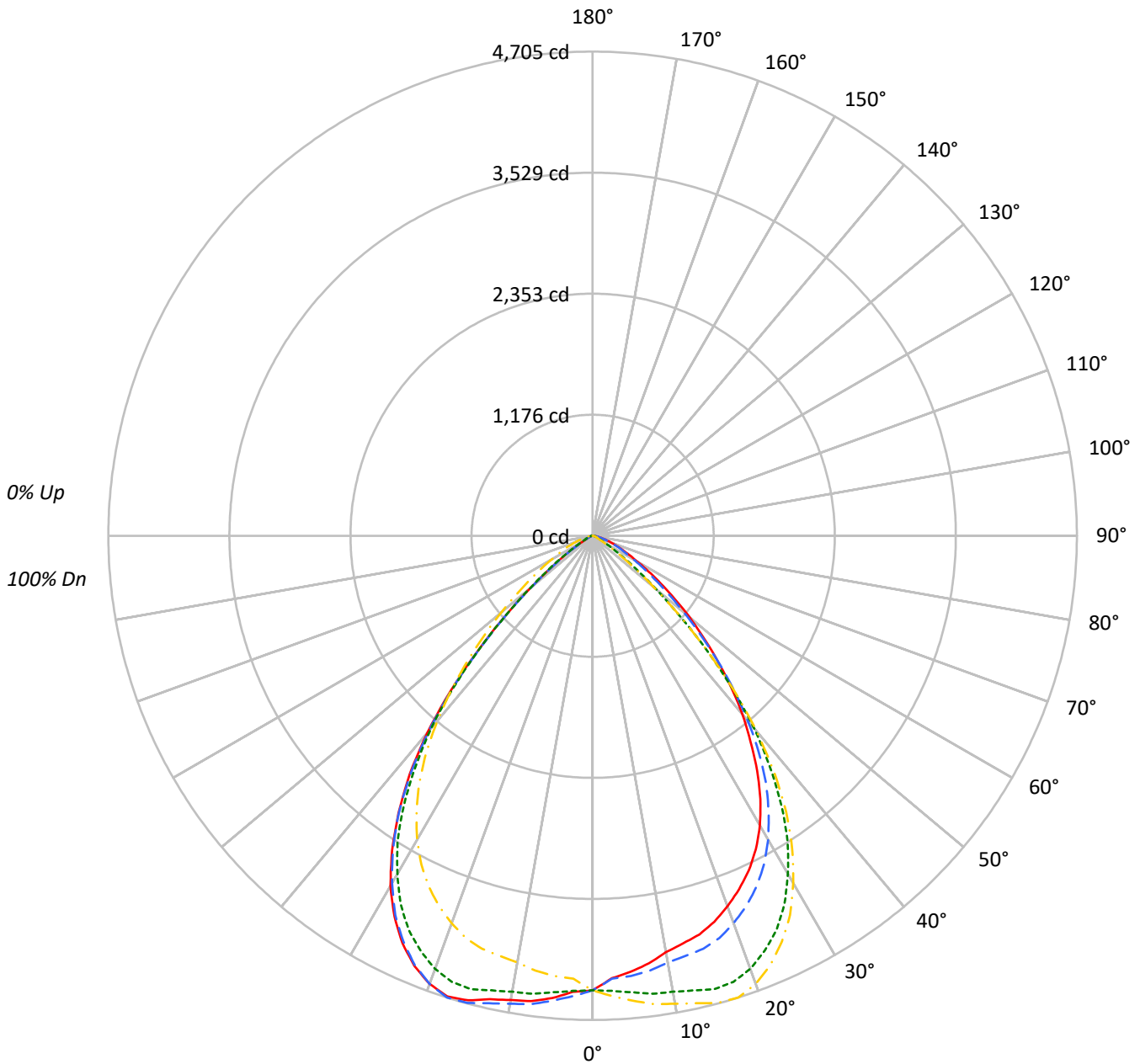
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	242130	242130	242130	242130
5°	233997	245036	248139	245036
10°	228686	250441	255016	250441
15°	227612	258844	265263	258844
20°	223471	261269	270270	261269
25°	217083	255650	264360	255650
30°	205703	240202	248659	240202
35°	186508	214027	219882	214027
40°	161903	174405	178828	174405
45°	132742	120385	121183	120385
50°	104372	67537	66215	67537
55°	77149	33413	29973	33413
60°	54689	14648	10723	14648
65°	40679	9340	6667	9340
70°	29668	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°	422.8	5.7
10°-20°	1252.3	17.0
20°-30°	1868.8	25.3
30°-40°	1920.0	26.0
40°-50°	1243.4	16.8
50°-60°	462.4	6.3
60°-70°	151.7	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°	3543.9	48.0
0°-40°	5463.9	74.0
0°-60°	7169.7	97.1
0°-90°	7384.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7384.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4417	4417	4417	4417	4417	
5°	4252	4453	4509	4453	4252	402
15°	4010	4561	4674	4561	4010	1128
25°	3589	4226	4370	4226	3589	1645
35°	2787	3198	3286	3198	2787	1730
45°	1712	1553	1563	1553	1712	1324
55°	807	350	314	350	807	736
65°	314	72	51	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°	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8
2.5°	4303.6	4365.4	4324.2	4349.9	4308.8	4308.8	4391.0	4344.8	4380.8	4344.8	4308.8
5°	4252.2	4329.4	4277.9	4303.6	4267.6	4272.8	4349.9	4313.9	4349.9	4324.2	4293.4
7.5°	4190.5	4267.6	4221.4	4247.1	4211.1	4221.4	4303.6	4267.6	4308.8	4283.0	4262.5
10°	4108.2	4190.5	4149.4	4175.1	4144.2	4149.4	4231.6	4205.9	4241.9	4226.5	4211.1
12.5°	4056.9	4134.0	4087.6	4113.4	4092.9	4103.1	4180.2	4159.6	4205.9	4190.5	4180.2
15°	4010.5	4082.5	4041.4	4067.1	4051.6	4056.9	4139.1	4118.5	4170.0	4159.6	4154.5
17.5°	3933.4	4010.5	3964.2	3995.1	3979.8	3984.9	4067.1	4051.6	4103.1	4103.1	4098.0
20°	3830.6	3907.8	3871.8	3892.2	3882.0	3892.2	3964.2	3954.0	4005.4	4005.4	4005.4
22.5°	3717.5	3794.6	3753.5	3774.0	3763.8	3779.1	3846.0	3846.0	3887.1	3892.2	3897.4
25°	3588.9	3666.0	3624.9	3650.6	3640.4	3650.6	3712.4	3717.5	3753.5	3753.5	3763.8
27.5°	3434.6	3511.8	3470.6	3491.2	3486.1	3491.2	3558.1	3568.4	3588.9	3594.1	3604.4
30°	3249.6	3321.5	3280.4	3301.0	3301.0	3301.0	3367.9	3373.0	3393.5	3398.6	3409.0
32.5°	3033.6	3095.4	3064.5	3085.0	3079.9	3090.1	3136.5	3157.0	3182.8	3177.6	3182.8
35°	2786.9	2853.6	2822.8	2838.2	2843.4	2858.8	2889.6	2915.4	2920.5	2925.6	2935.9
37.5°	2519.5	2586.2	2555.5	2570.9	2576.0	2606.9	2617.1	2642.9	2653.1	2653.1	2653.1
40°	2262.4	2293.2	2267.5	2282.9	2288.1	2313.8	2324.0	2344.6	2354.9	2349.8	2344.6
42.5°	1984.8	2010.4	1984.8	2000.1	2000.1	2020.8	2025.9	2051.5	2051.5	2041.2	2025.9
45°	1712.2	1737.9	1712.2	1722.5	1722.5	1743.0	1743.0	1743.0	1753.4	1737.9	1712.2
47.5°	1455.1	1480.9	1455.1	1465.4	1460.2	1475.6	1470.5	1475.6	1460.2	1450.0	1419.1
50°	1223.8	1234.0	1223.8	1218.6	1223.8	1234.0	1228.9	1228.9	1208.2	1192.9	1156.9
52.5°	997.5	1012.9	997.5	997.5	997.5	1007.8	1007.8	1002.6	982.1	961.5	925.5
55°	807.2	817.5	812.4	807.2	807.2	817.5	807.2	807.2	786.6	771.2	735.2
57.5°	642.8	647.9	642.8	642.8	642.8	647.9	647.9	637.6	622.1	606.8	581.0
60°	498.8	503.9	503.9	498.8	498.8	509.0	509.0	503.9	488.5	478.1	452.5
62.5°	395.9	395.9	395.9	395.9	395.9	401.0	401.0	401.0	390.8	380.5	359.9
65°	313.6	318.8	313.6	313.6	318.8	323.9	318.8	323.9	313.6	308.5	293.1
67.5°	241.6	246.8	241.6	246.8	246.8	252.0	246.8	252.0	241.6	236.5	226.2
70°	185.1	185.1	185.1	185.1	185.1	190.2	185.1	190.2	185.1	180.0	169.6
72.5°	138.9	138.9	144.0	144.0	138.9	144.0	138.9	138.9	138.9	133.6	128.5
75°	102.9	102.9	108.0	102.9	102.9	102.9	102.9	102.9	97.8	97.8	92.5
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°	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8
2.5°	4349.9	4365.4	4365.4	4349.9	4385.9	4355.0	4416.8	4360.1	4375.6	4427.0	4421.9
5°	4334.5	4355.0	4360.1	4349.9	4396.1	4370.5	4432.1	4375.6	4401.4	4452.8	4452.8
7.5°	4313.9	4339.6	4349.9	4360.1	4401.4	4375.6	4447.6	4391.0	4427.0	4488.8	4483.6
10°	4267.6	4303.6	4324.2	4339.6	4380.8	4365.4	4442.5	4396.1	4427.0	4499.0	4493.9
12.5°	4241.9	4283.0	4313.9	4339.6	4385.9	4375.6	4452.8	4411.6	4452.8	4524.8	4524.8
15°	4221.4	4267.6	4303.6	4349.9	4396.1	4385.9	4468.1	4432.1	4473.2	4560.8	4555.6
17.5°	4170.0	4226.5	4262.5	4313.9	4360.1	4355.0	4442.5	4416.8	4463.0	4545.2	4550.4
20°	4082.5	4134.0	4175.1	4236.8	4288.2	4277.9	4370.5	4344.8	4391.0	4478.5	4483.6
22.5°	3969.4	4020.9	4062.0	4128.8	4175.1	4170.0	4262.5	4236.8	4283.0	4365.4	4370.5
25°	3835.8	3882.0	3923.1	3984.9	4036.2	4036.2	4118.5	4092.9	4144.2	4226.5	4226.5
27.5°	3671.2	3712.4	3748.4	3820.2	3861.5	3861.5	3938.6	3912.9	3964.2	4036.2	4031.1
30°	3470.6	3506.6	3537.5	3599.2	3635.2	3640.4	3707.1	3681.5	3732.9	3794.6	3794.6
32.5°	3229.0	3265.0	3285.6	3362.8	3388.4	3383.2	3434.6	3409.0	3460.4	3527.2	3511.8
35°	2971.9	2987.4	3002.8	3079.9	3090.1	3069.6	3121.0	3095.4	3131.4	3198.1	3187.9
37.5°	2678.9	2684.0	2684.0	2750.9	2756.0	2740.5	2771.4	2740.5	2766.2	2828.0	2822.8
40°	2354.9	2349.8	2344.6	2396.0	2390.9	2360.0	2380.6	2354.9	2390.9	2437.1	2411.5
42.5°	2025.9	2010.4	1989.9	2015.5	1995.0	1969.2	1979.6	1938.4	1964.1	2000.1	1969.2
45°	1701.9	1671.0	1629.9	1635.1	1609.4	1578.5	1563.1	1522.0	1516.8	1552.8	1527.1
47.5°	1398.5	1336.9	1300.9	1280.2	1239.1	1213.5	1182.6	1136.4	1115.8	1136.4	1110.6
50°	1126.0	1064.4	1018.0	971.8	930.6	899.8	848.4	817.5	786.6	791.9	771.2
52.5°	889.5	848.4	771.2	735.2	694.1	658.1	611.9	575.9	539.9	539.9	519.4
55°	704.4	647.9	596.5	545.0	503.9	473.0	426.8	390.8	354.8	349.6	329.1
57.5°	545.0	503.9	447.4	395.9	370.2	339.4	293.1	252.0	231.4	216.0	200.5
60°	421.6	380.5	334.2	293.1	262.2	241.6	195.4	164.5	144.0	133.6	118.2
62.5°	339.4	303.4	262.2	221.1	200.5	180.0	144.0	118.2	97.8	87.4	77.1
65°	272.5	241.6	210.8	180.0	164.5	144.0	118.2	97.8	82.2	72.0	61.8
67.5°	210.8	190.2	164.5	144.0	128.5	113.1	92.5	77.1	66.9	56.5	51.4
70°	159.4	144.0	128.5	108.0	97.8	87.4	72.0	56.5	51.4	46.2	41.1
72.5°	123.4	108.0	92.5	82.2	72.0	66.9	56.5	46.2	41.1	36.0	30.9
75°	82.2	77.1	66.9	56.5	51.4	46.2	41.1	36.0	30.9	25.8	25.8
77.5°	56.5	51.4	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°	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8
2.5°	4380.8	4427.0	4427.0	4468.1	4473.2	4463.0	4416.8	4416.8	4478.5	4514.5	4452.8
5°	4421.9	4468.1	4468.1	4509.2	4529.9	4514.5	4468.1	4473.2	4535.0	4576.1	4514.5
7.5°	4457.9	4504.1	4514.5	4560.8	4576.1	4560.8	4514.5	4524.8	4591.6	4627.5	4565.9
10°	4473.2	4519.6	4524.8	4576.1	4596.8	4576.1	4540.1	4545.2	4617.2	4643.0	4586.4
12.5°	4509.2	4555.6	4555.6	4612.1	4632.8	4617.2	4571.0	4581.2	4653.2	4679.0	4622.4
15°	4545.2	4591.6	4591.6	4653.2	4679.0	4658.4	4622.4	4627.5	4699.5	4725.2	4679.0
17.5°	4545.2	4586.4	4586.4	4653.2	4679.0	4663.5	4622.4	4627.5	4704.6	4725.2	4679.0
20°	4478.5	4524.8	4514.5	4581.2	4607.0	4591.6	4555.6	4555.6	4632.8	4653.2	4607.0
22.5°	4370.5	4411.6	4401.4	4463.0	4493.9	4473.2	4442.5	4437.2	4514.5	4535.0	4488.8
25°	4221.4	4262.5	4252.2	4313.9	4344.8	4319.0	4283.0	4288.2	4349.9	4380.8	4339.6
27.5°	4046.5	4072.2	4056.9	4118.5	4149.4	4123.6	4087.6	4092.9	4154.5	4175.1	4144.2
30°	3810.0	3830.6	3815.1	3866.6	3887.1	3871.8	3840.9	3840.9	3897.4	3923.1	3892.2
32.5°	3527.2	3542.6	3527.2	3568.4	3609.5	3578.6	3547.8	3547.8	3609.5	3630.0	3594.1
35°	3198.1	3213.6	3203.2	3244.4	3275.2	3234.1	3208.5	3198.1	3280.4	3270.1	3249.6
37.5°	2833.1	2843.4	2812.5	2884.5	2899.9	2853.6	2833.1	2822.8	2894.8	2889.6	2869.1
40°	2421.8	2432.0	2411.5	2462.9	2468.0	2432.0	2416.6	2401.1	2473.1	2468.0	2452.6
42.5°	1984.8	1989.9	1964.1	2005.2	2015.5	1979.6	1974.4	1953.9	2020.8	2010.4	2005.2
45°	1532.2	1532.2	1511.6	1542.5	1552.8	1522.0	1511.6	1506.5	1552.8	1552.8	1542.5
47.5°	1110.6	1095.2	1069.5	1115.8	1120.9	1100.4	1095.2	1079.8	1126.0	1126.0	1115.8
50°	761.0	755.9	750.8	761.0	766.1	740.4	755.9	740.4	766.1	766.1	766.1
52.5°	509.0	503.9	493.6	503.9	503.9	488.5	488.5	483.4	503.9	503.9	493.6
55°	318.8	313.6	308.5	313.6	313.6	298.2	308.5	298.2	308.5	308.5	303.4
57.5°	195.4	185.1	185.1	180.0	180.0	169.6	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	56.5	56.5	56.5	56.5	51.4	51.4	51.4	51.4	51.4	51.4
67.5°	51.4	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: P212852

CATALOG NUMBER: LE_6B60D010R EC6B60708050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8
2.5°	4524.8	4473.2	4447.6	4499.0	4519.6	4493.9	4473.2	4437.2	4473.2	4493.9	4519.6
5°	4586.4	4540.1	4519.6	4555.6	4586.4	4560.8	4545.2	4509.2	4545.2	4560.8	4586.4
7.5°	4643.0	4596.8	4571.0	4607.0	4643.0	4607.0	4591.6	4560.8	4591.6	4607.0	4643.0
10°	4663.5	4612.1	4591.6	4622.4	4658.4	4622.4	4601.9	4581.2	4601.9	4622.4	4658.4
12.5°	4699.5	4648.1	4622.4	4648.1	4684.1	4648.1	4627.5	4612.1	4627.5	4648.1	4684.1
15°	4751.0	4704.6	4673.9	4699.5	4745.9	4704.6	4679.0	4673.9	4679.0	4704.6	4745.9
17.5°	4751.0	4715.0	4684.1	4704.6	4751.0	4720.1	4684.1	4694.4	4684.1	4720.1	4751.0
20°	4684.1	4648.1	4622.4	4622.4	4689.2	4648.1	4617.2	4632.8	4617.2	4648.1	4689.2
22.5°	4565.9	4535.0	4509.2	4504.1	4571.0	4535.0	4493.9	4524.8	4493.9	4535.0	4571.0
25°	4411.6	4380.8	4360.1	4349.9	4416.8	4375.6	4339.6	4370.5	4339.6	4375.6	4416.8
27.5°	4211.1	4185.4	4164.8	4149.4	4211.1	4175.1	4139.1	4170.0	4139.1	4175.1	4211.1
30°	3954.0	3938.6	3918.0	3897.4	3959.1	3923.1	3887.1	3928.2	3887.1	3923.1	3959.1
32.5°	3655.8	3645.5	3619.8	3599.2	3660.9	3619.8	3594.1	3624.9	3594.1	3619.8	3660.9
35°	3311.2	3295.9	3280.4	3244.4	3311.2	3275.2	3275.2	3285.6	3275.2	3275.2	3311.2
37.5°	2925.6	2915.4	2894.8	2864.0	2920.5	2894.8	2884.5	2915.4	2884.5	2894.8	2920.5
40°	2493.8	2488.6	2473.1	2437.1	2498.9	2473.1	2457.8	2498.9	2457.8	2473.1	2498.9
42.5°	2041.2	2031.0	2015.5	2010.4	2041.2	2020.8	2036.1	2036.1	2036.1	2020.8	2041.2
45°	1573.4	1563.1	1552.8	1532.2	1568.2	1558.0	1552.8	1563.1	1552.8	1558.0	1568.2
47.5°	1141.5	1131.1	1120.9	1105.5	1141.5	1126.0	1126.0	1136.4	1126.0	1126.0	1141.5
50°	766.1	771.2	766.1	755.9	766.1	761.0	766.1	776.4	766.1	761.0	766.1
52.5°	509.0	509.0	498.8	493.6	503.9	498.8	514.1	503.9	514.1	498.8	503.9
55°	308.5	313.6	308.5	303.4	308.5	303.4	318.8	313.6	318.8	303.4	308.5
57.5°	174.9	174.9	180.0	174.9	185.1	180.0	180.0	180.0	180.0	180.0	185.1
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°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
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: P212852

CATALOG NUMBER: LE_6B60D010R EC6B60708050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8
2.5°	4499.0	4447.6	4473.2	4524.8	4452.8	4514.5	4478.5	4416.8	4416.8	4463.0	4473.2
5°	4555.6	4519.6	4540.1	4586.4	4514.5	4576.1	4535.0	4473.2	4468.1	4514.5	4529.9
7.5°	4607.0	4571.0	4596.8	4643.0	4565.9	4627.5	4591.6	4524.8	4514.5	4560.8	4576.1
10°	4622.4	4591.6	4612.1	4663.5	4586.4	4643.0	4617.2	4545.2	4540.1	4576.1	4596.8
12.5°	4648.1	4622.4	4648.1	4699.5	4622.4	4679.0	4653.2	4581.2	4571.0	4617.2	4632.8
15°	4699.5	4673.9	4704.6	4751.0	4679.0	4725.2	4699.5	4627.5	4622.4	4658.4	4679.0
17.5°	4704.6	4684.1	4715.0	4751.0	4679.0	4725.2	4704.6	4627.5	4622.4	4663.5	4679.0
20°	4622.4	4622.4	4648.1	4684.1	4607.0	4653.2	4632.8	4555.6	4555.6	4591.6	4607.0
22.5°	4504.1	4509.2	4535.0	4565.9	4488.8	4535.0	4514.5	4437.2	4442.5	4473.2	4493.9
25°	4349.9	4360.1	4380.8	4411.6	4339.6	4380.8	4349.9	4288.2	4283.0	4319.0	4344.8
27.5°	4149.4	4164.8	4185.4	4211.1	4144.2	4175.1	4154.5	4092.9	4087.6	4123.6	4149.4
30°	3897.4	3918.0	3938.6	3954.0	3892.2	3923.1	3897.4	3840.9	3840.9	3871.8	3887.1
32.5°	3599.2	3619.8	3645.5	3655.8	3594.1	3630.0	3609.5	3547.8	3547.8	3578.6	3609.5
35°	3244.4	3280.4	3295.9	3311.2	3249.6	3270.1	3280.4	3198.1	3208.5	3234.1	3275.2
37.5°	2864.0	2894.8	2915.4	2925.6	2869.1	2889.6	2894.8	2822.8	2833.1	2853.6	2899.9
40°	2437.1	2473.1	2488.6	2493.8	2452.6	2468.0	2473.1	2401.1	2416.6	2432.0	2468.0
42.5°	2010.4	2015.5	2031.0	2041.2	2005.2	2010.4	2020.8	1953.9	1974.4	1979.6	2015.5
45°	1532.2	1552.8	1563.1	1573.4	1542.5	1552.8	1552.8	1506.5	1511.6	1522.0	1552.8
47.5°	1105.5	1120.9	1131.1	1141.5	1115.8	1126.0	1126.0	1079.8	1095.2	1100.4	1120.9
50°	755.9	766.1	771.2	766.1	766.1	766.1	766.1	740.4	755.9	740.4	766.1
52.5°	493.6	498.8	509.0	509.0	493.6	503.9	503.9	483.4	488.5	488.5	503.9
55°	303.4	308.5	313.6	308.5	303.4	308.5	308.5	298.2	308.5	298.2	313.6
57.5°	174.9	180.0	174.9	174.9	174.9	174.9	174.9	174.9	174.9	169.6	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°	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	56.5
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: P212852

CATALOG NUMBER: LE_6B60D010R EC6B60708050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8
2.5°	4468.1	4427.0	4427.0	4380.8	4421.9	4427.0	4375.6	4360.1	4416.8	4355.0	4385.9
5°	4509.2	4468.1	4468.1	4421.9	4452.8	4452.8	4401.4	4375.6	4432.1	4370.5	4396.1
7.5°	4560.8	4514.5	4504.1	4457.9	4483.6	4488.8	4427.0	4391.0	4447.6	4375.6	4401.4
10°	4576.1	4524.8	4519.6	4473.2	4493.9	4499.0	4427.0	4396.1	4442.5	4365.4	4380.8
12.5°	4612.1	4555.6	4555.6	4509.2	4524.8	4524.8	4452.8	4411.6	4452.8	4375.6	4385.9
15°	4653.2	4591.6	4591.6	4545.2	4555.6	4560.8	4473.2	4432.1	4468.1	4385.9	4396.1
17.5°	4653.2	4586.4	4586.4	4545.2	4550.4	4545.2	4463.0	4416.8	4442.5	4355.0	4360.1
20°	4581.2	4514.5	4524.8	4478.5	4483.6	4478.5	4391.0	4344.8	4370.5	4277.9	4288.2
22.5°	4463.0	4401.4	4411.6	4370.5	4370.5	4365.4	4283.0	4236.8	4262.5	4170.0	4175.1
25°	4313.9	4252.2	4262.5	4221.4	4226.5	4226.5	4144.2	4092.9	4118.5	4036.2	4036.2
27.5°	4118.5	4056.9	4072.2	4046.5	4031.1	4036.2	3964.2	3912.9	3938.6	3861.5	3861.5
30°	3866.6	3815.1	3830.6	3810.0	3794.6	3794.6	3732.9	3681.5	3707.1	3640.4	3635.2
32.5°	3568.4	3527.2	3542.6	3527.2	3511.8	3527.2	3460.4	3409.0	3434.6	3383.2	3388.4
35°	3244.4	3203.2	3213.6	3198.1	3187.9	3198.1	3131.4	3095.4	3121.0	3069.6	3090.1
37.5°	2884.5	2812.5	2843.4	2833.1	2822.8	2828.0	2766.2	2740.5	2771.4	2740.5	2756.0
40°	2462.9	2411.5	2432.0	2421.8	2411.5	2437.1	2390.9	2354.9	2380.6	2360.0	2390.9
42.5°	2005.2	1964.1	1989.9	1984.8	1969.2	2000.1	1964.1	1938.4	1979.6	1969.2	1995.0
45°	1542.5	1511.6	1532.2	1532.2	1527.1	1552.8	1516.8	1522.0	1563.1	1578.5	1609.4
47.5°	1115.8	1069.5	1095.2	1110.6	1110.6	1136.4	1115.8	1136.4	1182.6	1213.5	1239.1
50°	761.0	750.8	755.9	761.0	771.2	791.9	786.6	817.5	848.4	899.8	930.6
52.5°	503.9	493.6	503.9	509.0	519.4	539.9	539.9	575.9	611.9	658.1	694.1
55°	313.6	308.5	313.6	318.8	329.1	349.6	354.8	390.8	426.8	473.0	503.9
57.5°	180.0	185.1	185.1	195.4	200.5	216.0	231.4	252.0	293.1	339.4	370.2
60°	102.9	102.9	108.0	113.1	118.2	133.6	144.0	164.5	195.4	241.6	262.2
62.5°	66.9	66.9	72.0	72.0	77.1	87.4	97.8	118.2	144.0	180.0	200.5
65°	56.5	56.5	56.5	61.8	61.8	72.0	82.2	97.8	118.2	144.0	164.5
67.5°	46.2	46.2	46.2	51.4	51.4	56.5	66.9	77.1	92.5	113.1	128.5
70°	36.0	36.0	36.0	41.1	41.1	46.2	51.4	56.5	72.0	87.4	97.8
72.5°	25.8	25.8	30.9	30.9	30.9	36.0	41.1	46.2	56.5	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	51.4
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: P212852

CATALOG NUMBER: LE_6B60D010R EC6B60708050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8	4416.8
2.5°	4349.9	4365.4	4365.4	4349.9	4308.8	4344.8	4380.8	4344.8	4391.0	4308.8	4308.8
5°	4349.9	4360.1	4355.0	4334.5	4293.4	4324.2	4349.9	4313.9	4349.9	4272.8	4267.6
7.5°	4360.1	4349.9	4339.6	4313.9	4262.5	4283.0	4308.8	4267.6	4303.6	4221.4	4211.1
10°	4339.6	4324.2	4303.6	4267.6	4211.1	4226.5	4241.9	4205.9	4231.6	4149.4	4144.2
12.5°	4339.6	4313.9	4283.0	4241.9	4180.2	4190.5	4205.9	4159.6	4180.2	4103.1	4092.9
15°	4349.9	4303.6	4267.6	4221.4	4154.5	4159.6	4170.0	4118.5	4139.1	4056.9	4051.6
17.5°	4313.9	4262.5	4226.5	4170.0	4098.0	4103.1	4103.1	4051.6	4067.1	3984.9	3979.8
20°	4236.8	4175.1	4134.0	4082.5	4005.4	4005.4	4005.4	3954.0	3964.2	3892.2	3882.0
22.5°	4128.8	4062.0	4020.9	3969.4	3897.4	3892.2	3887.1	3846.0	3846.0	3779.1	3763.8
25°	3984.9	3923.1	3882.0	3835.8	3763.8	3753.5	3753.5	3717.5	3712.4	3650.6	3640.4
27.5°	3820.2	3748.4	3712.4	3671.2	3604.4	3594.1	3588.9	3568.4	3558.1	3491.2	3486.1
30°	3599.2	3537.5	3506.6	3470.6	3409.0	3398.6	3393.5	3373.0	3367.9	3301.0	3301.0
32.5°	3362.8	3285.6	3265.0	3229.0	3182.8	3177.6	3182.8	3157.0	3136.5	3090.1	3079.9
35°	3079.9	3002.8	2987.4	2971.9	2935.9	2925.6	2920.5	2915.4	2889.6	2858.8	2843.4
37.5°	2750.9	2684.0	2684.0	2678.9	2653.1	2653.1	2653.1	2642.9	2617.1	2606.9	2576.0
40°	2396.0	2344.6	2349.8	2354.9	2344.6	2349.8	2354.9	2344.6	2324.0	2313.8	2288.1
42.5°	2015.5	1989.9	2010.4	2025.9	2025.9	2041.2	2051.5	2051.5	2025.9	2020.8	2000.1
45°	1635.1	1629.9	1671.0	1701.9	1712.2	1737.9	1753.4	1743.0	1743.0	1743.0	1722.5
47.5°	1280.2	1300.9	1336.9	1398.5	1419.1	1450.0	1460.2	1475.6	1470.5	1475.6	1460.2
50°	971.8	1018.0	1064.4	1126.0	1156.9	1192.9	1208.2	1228.9	1228.9	1234.0	1223.8
52.5°	735.2	771.2	848.4	889.5	925.5	961.5	982.1	1002.6	1007.8	1007.8	997.5
55°	545.0	596.5	647.9	704.4	735.2	771.2	786.6	807.2	807.2	817.5	807.2
57.5°	395.9	447.4	503.9	545.0	581.0	606.8	622.1	637.6	647.9	647.9	642.8
60°	293.1	334.2	380.5	421.6	452.5	478.1	488.5	503.9	509.0	509.0	498.8
62.5°	221.1	262.2	303.4	339.4	359.9	380.5	390.8	401.0	401.0	401.0	395.9
65°	180.0	210.8	241.6	272.5	293.1	308.5	313.6	323.9	318.8	323.9	318.8
67.5°	144.0	164.5	190.2	210.8	226.2	236.5	241.6	252.0	246.8	252.0	246.8
70°	108.0	128.5	144.0	159.4	169.6	180.0	185.1	190.2	185.1	190.2	185.1
72.5°	82.2	92.5	108.0	123.4	128.5	133.6	138.9	138.9	138.9	144.0	138.9
75°	56.5	66.9	77.1	82.2	92.5	97.8	97.8	102.9	102.9	102.9	102.9
77.5°	41.1	46.2	51.4	56.5	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: P212852

CATALOG NUMBER: LE_6B60D010R EC6B60708050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	4416.8	4416.8	4416.8	4416.8
2.5°	4349.9	4324.2	4365.4	4303.6
5°	4303.6	4277.9	4329.4	4252.2
7.5°	4247.1	4221.4	4267.6	4190.5
10°	4175.1	4149.4	4190.5	4108.2
12.5°	4113.4	4087.6	4134.0	4056.9
15°	4067.1	4041.4	4082.5	4010.5
17.5°	3995.1	3964.2	4010.5	3933.4
20°	3892.2	3871.8	3907.8	3830.6
22.5°	3774.0	3753.5	3794.6	3717.5
25°	3650.6	3624.9	3666.0	3588.9
27.5°	3491.2	3470.6	3511.8	3434.6
30°	3301.0	3280.4	3321.5	3249.6
32.5°	3085.0	3064.5	3095.4	3033.6
35°	2838.2	2822.8	2853.6	2786.9
37.5°	2570.9	2555.5	2586.2	2519.5
40°	2282.9	2267.5	2293.2	2262.4
42.5°	2000.1	1984.8	2010.4	1984.8
45°	1722.5	1712.2	1737.9	1712.2
47.5°	1465.4	1455.1	1480.9	1455.1
50°	1218.6	1223.8	1234.0	1223.8
52.5°	997.5	997.5	1012.9	997.5
55°	807.2	812.4	817.5	807.2
57.5°	642.8	642.8	647.9	642.8
60°	498.8	503.9	503.9	498.8
62.5°	395.9	395.9	395.9	395.9
65°	313.6	313.6	318.8	313.6
67.5°	246.8	241.6	246.8	241.6
70°	185.1	185.1	185.1	185.1
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)