

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: P212780

Luminaire Tested: **LE_6B10D010 EC6B10209050 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212780
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_6B10D010 EC6B10209050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1106.2 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

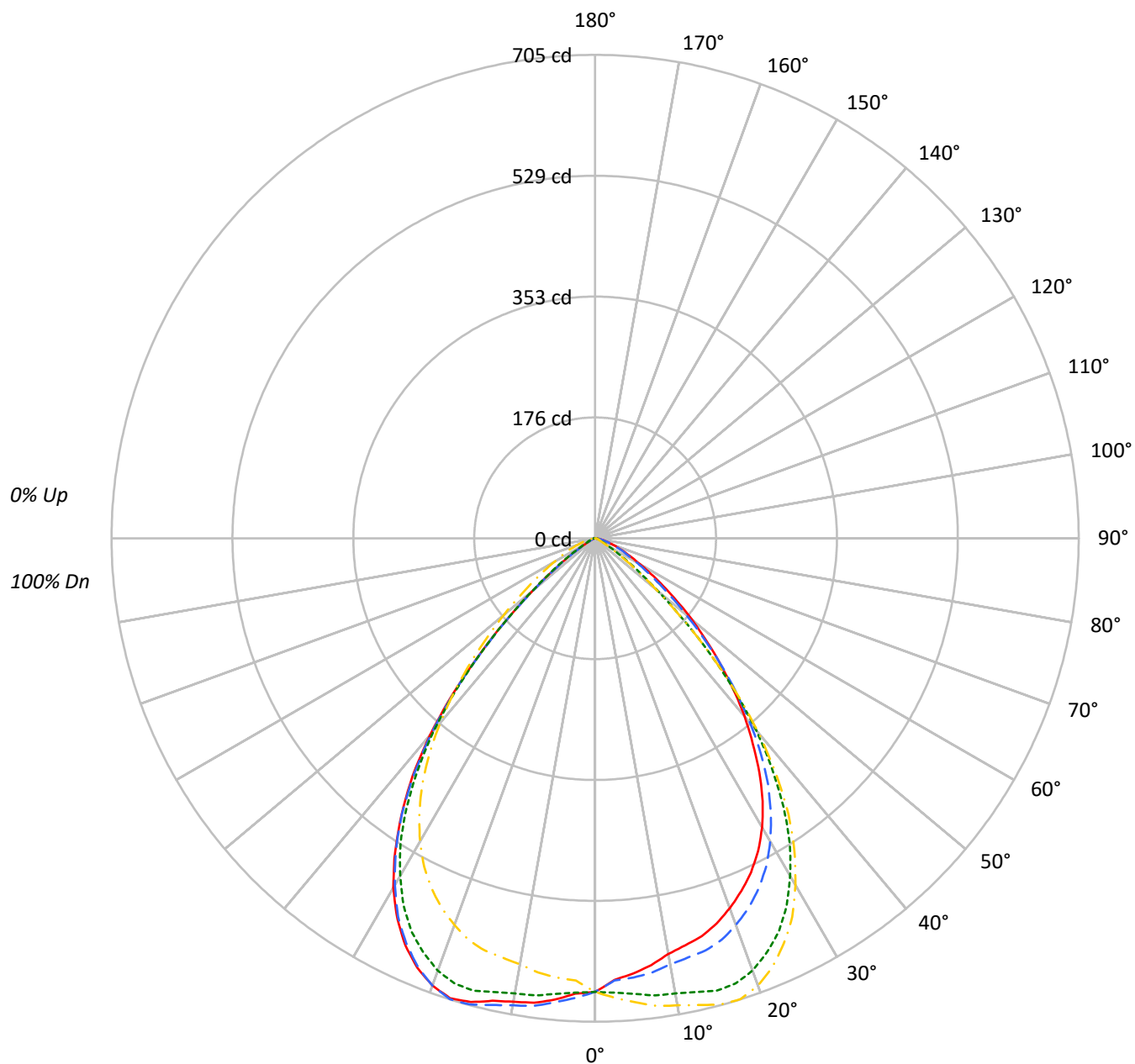
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	100	99		99	97	96		95	94	93
2	105	99	94	90		103	97	93	89		94	90	87		91	88	85		88	86	84
3	98	91	84	80		96	89	84	79		86	82	78		84	80	76		81	78	75
4	92	83	76	71		90	82	75	71		79	74	70		77	73	69		75	71	68
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	70	63	57		79	69	62	57		67	61	57		66	60	56		64	60	56
7	76	64	57	52		74	64	57	52		62	56	52		61	56	51		60	55	51
8	71	60	53	48		70	59	52	48		58	52	47		57	51	47		56	51	47
9	67	55	48	44		66	55	48	44		54	48	43		53	47	43		52	47	43
10	63	52	45	40		62	51	45	40		50	44	40		49	44	40		49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36269	36269	36269	36269
5°	35054	36705	37172	36705
10°	34257	37519	38198	37519
15°	34098	38774	39733	38774
20°	33480	39139	40487	39139
25°	32518	38295	39607	38295
30°	30815	35980	37253	35980
35°	27940	32063	32933	32063
40°	24253	26128	26793	26128
45°	19886	18033	18149	18033
50°	15641	10115	9910	10115
55°	11555	5008	4492	5008
60°	8201	2193	1601	2193
65°	6097	1401	1012	1401
70°	4456	1106	737	1106
75°	3262	826	466	826
80°	2178	695	253	695
85°	1384	503	503	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	5.7
10°-20°	187.6	17.0
20°-30°	279.9	25.3
30°-40°	287.6	26.0
40°-50°	186.3	16.8
50°-60°	69.3	6.3
60°-70°	22.7	2.1
70°-80°	8.0	0.7
80°-90°	1.4	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°	530.9	48.0
0°-40°	818.5	74.0
0°-60°	1074.0	97.1
0°-90°	1106.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1106.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	662	662	662	662	662	
5°	637	667	676	667	637	60
15°	601	683	700	683	601	169
25°	538	633	655	633	538	246
35°	418	479	492	479	418	259
45°	256	233	234	233	256	198
55°	121	52	47	52	121	110
65°	47	11	8	11	47	48
75°	15	4	2	4	15	17
85°	2	1	1	1	2	3
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°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	644.6	653.9	647.8	651.6	645.5	645.5	657.8	650.9	656.2	650.9	645.5
5°	637.0	648.5	640.9	644.6	639.2	640.0	651.6	646.2	651.6	647.8	643.1
7.5°	627.8	639.2	632.4	636.2	630.9	632.4	644.6	639.2	645.5	641.6	638.5
10°	615.4	627.8	621.6	625.4	620.8	621.6	633.9	630.0	635.5	633.1	630.9
12.5°	607.8	619.2	612.4	616.1	613.1	614.6	626.2	623.1	630.0	627.8	626.2
15°	600.8	611.5	605.4	609.2	607.0	607.8	620.0	617.0	624.6	623.1	622.4
17.5°	589.2	600.8	593.9	598.5	596.1	596.9	609.2	607.0	614.6	614.6	613.9
20°	573.9	585.4	580.0	583.0	581.5	583.0	593.9	592.2	600.0	600.0	600.0
22.5°	556.9	568.4	562.2	565.4	563.8	566.1	576.1	576.1	582.2	583.0	583.9
25°	537.6	549.1	543.0	546.9	545.4	546.9	556.1	556.9	562.2	562.2	563.8
27.5°	514.5	526.1	519.9	523.0	522.2	523.0	533.0	534.5	537.6	538.4	539.9
30°	486.8	497.6	491.4	494.5	494.5	494.5	504.5	505.2	508.4	509.1	510.6
32.5°	454.4	463.6	459.0	462.1	461.4	462.9	469.9	472.9	476.8	476.0	476.8
35°	417.5	427.5	422.9	425.1	425.9	428.2	432.9	436.8	437.5	438.2	439.8
37.5°	377.4	387.4	382.8	385.1	385.9	390.5	392.0	395.9	397.4	397.4	397.4
40°	338.9	343.5	339.6	342.0	342.8	346.6	348.1	351.2	352.8	352.0	351.2
42.5°	297.2	301.1	297.2	299.6	299.6	302.8	303.5	307.4	307.4	305.8	303.5
45°	256.5	260.4	256.5	258.0	258.0	261.1	261.1	261.1	262.6	260.4	256.5
47.5°	218.0	221.9	218.0	219.5	218.8	221.0	220.2	221.0	218.8	217.2	212.6
50°	183.4	184.9	183.4	182.5	183.4	184.9	184.1	184.1	181.0	178.8	173.2
52.5°	149.4	151.8	149.4	149.4	149.4	151.0	151.0	150.2	147.1	144.0	138.6
55°	120.9	122.5	121.8	120.9	120.9	122.5	120.9	120.9	117.9	115.5	110.1
57.5°	96.2	97.0	96.2	96.2	96.2	97.0	97.0	95.5	93.2	90.9	87.0
60°	74.8	75.5	75.5	74.8	74.8	76.2	76.2	75.5	73.1	71.6	67.8
62.5°	59.2	59.2	59.2	59.2	59.2	60.1	60.1	60.1	58.5	57.0	53.9
65°	47.0	47.8	47.0	47.0	47.8	48.5	47.8	48.5	47.0	46.2	43.9
67.5°	36.2	37.0	36.2	37.0	37.0	37.8	37.0	37.8	36.2	35.4	33.9
70°	27.8	27.8	27.8	27.8	27.8	28.5	27.8	28.5	27.8	27.0	25.4
72.5°	20.8	20.8	21.6	21.6	20.8	21.6	20.8	20.8	20.8	20.0	19.2
75°	15.4	15.4	16.1	15.4	15.4	15.4	15.4	15.4	14.6	14.6	13.9
77.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.0	10.0	9.2
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.1	6.1
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.9	3.9
85°	2.2	2.2	2.2	3.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.8	0.8	0.8	1.5	0.8	0.8	1.5	1.5	0.8	0.8	0.8
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°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	651.6	653.9	653.9	651.6	657.0	652.4	661.6	653.1	655.5	663.1	662.4
5°	649.2	652.4	653.1	651.6	658.5	654.8	663.9	655.5	659.4	667.0	667.0
7.5°	646.2	650.1	651.6	653.1	659.4	655.5	666.2	657.8	663.1	672.4	671.6
10°	639.2	644.6	647.8	650.1	656.2	653.9	665.5	658.5	663.1	674.0	673.1
12.5°	635.5	641.6	646.2	650.1	657.0	655.5	667.0	660.9	667.0	677.8	677.8
15°	632.4	639.2	644.6	651.6	658.5	657.0	669.4	663.9	670.1	683.2	682.4
17.5°	624.6	633.1	638.5	646.2	653.1	652.4	665.5	661.6	668.5	680.9	681.6
20°	611.5	619.2	625.4	634.6	642.4	640.9	654.8	650.9	657.8	670.9	671.6
22.5°	594.6	602.4	608.5	618.5	625.4	624.6	638.5	634.6	641.6	653.9	654.8
25°	574.6	581.5	587.6	596.9	604.6	604.6	617.0	613.1	620.8	633.1	633.1
27.5°	550.0	556.1	561.5	572.2	578.5	578.5	590.0	586.1	593.9	604.6	603.9
30°	519.9	525.2	529.9	539.1	544.5	545.4	555.4	551.5	559.1	568.4	568.4
32.5°	483.8	489.1	492.1	503.8	507.6	506.8	514.5	510.6	518.4	528.4	526.1
35°	445.2	447.5	449.9	461.4	462.9	459.9	467.5	463.6	469.1	479.1	477.5
37.5°	401.2	402.0	402.0	412.1	412.9	410.5	415.1	410.5	414.4	423.6	422.9
40°	352.8	352.0	351.2	358.9	358.1	353.5	356.6	352.8	358.1	365.1	361.2
42.5°	303.5	301.1	298.1	301.9	298.9	295.0	296.5	290.4	294.2	299.6	295.0
45°	255.0	250.4	244.1	244.9	241.1	236.5	234.1	228.0	227.2	232.6	228.8
47.5°	209.5	200.2	194.9	191.8	185.6	181.8	177.1	170.2	167.1	170.2	166.4
50°	168.6	159.4	152.5	145.6	139.4	134.8	127.1	122.5	117.9	118.6	115.5
52.5°	133.2	127.1	115.5	110.1	104.0	98.6	91.6	86.2	80.9	80.9	77.8
55°	105.5	97.0	89.4	81.6	75.5	70.9	63.9	58.5	53.1	52.4	49.2
57.5°	81.6	75.5	67.0	59.2	55.5	50.9	43.9	37.8	34.6	32.4	30.0
60°	63.1	57.0	50.1	43.9	39.2	36.2	29.2	24.6	21.6	20.0	17.8
62.5°	50.9	45.5	39.2	33.1	30.0	27.0	21.6	17.8	14.6	13.1	11.5
65°	40.9	36.2	31.6	27.0	24.6	21.6	17.8	14.6	12.4	10.8	9.2
67.5°	31.6	28.5	24.6	21.6	19.2	17.0	13.9	11.5	10.0	8.5	7.8
70°	23.9	21.6	19.2	16.1	14.6	13.1	10.8	8.5	7.8	6.9	6.1
72.5°	18.5	16.1	13.9	12.4	10.8	10.0	8.5	6.9	6.1	5.4	4.6
75°	12.4	11.5	10.0	8.5	7.8	6.9	6.1	5.4	4.6	3.9	3.9
77.5°	8.5	7.8	6.9	6.1	5.4	5.4	4.6	3.9	3.1	3.1	2.2
80°	5.4	4.6	4.6	3.9	3.9	3.9	3.1	2.2	2.2	2.2	1.5
82.5°	3.9	3.1	3.1	2.2	2.2	2.2	2.2	1.5	1.5	1.5	0.8
85°	2.2	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	656.2	663.1	663.1	669.4	670.1	668.5	661.6	661.6	670.9	676.2	667.0
5°	662.4	669.4	669.4	675.5	678.6	676.2	669.4	670.1	679.4	685.5	676.2
7.5°	667.8	674.8	676.2	683.2	685.5	683.2	676.2	677.8	687.9	693.2	684.0
10°	670.1	677.0	677.8	685.5	688.6	685.5	680.1	680.9	691.6	695.5	687.0
12.5°	675.5	682.4	682.4	690.9	694.0	691.6	684.8	686.2	697.0	700.9	692.4
15°	680.9	687.9	687.9	697.0	700.9	697.9	692.4	693.2	704.0	707.9	700.9
17.5°	680.9	687.0	687.0	697.0	700.9	698.6	692.4	693.2	704.8	707.9	700.9
20°	670.9	677.8	676.2	686.2	690.1	687.9	682.4	682.4	694.0	697.0	690.1
22.5°	654.8	660.9	659.4	668.5	673.1	670.1	665.5	664.8	676.2	679.4	672.4
25°	632.4	638.5	637.0	646.2	650.9	647.0	641.6	642.4	651.6	656.2	650.1
27.5°	606.1	610.0	607.8	617.0	621.6	617.8	612.4	613.1	622.4	625.4	620.8
30°	570.8	573.9	571.5	579.2	582.2	580.0	575.4	575.4	583.9	587.6	583.0
32.5°	528.4	530.6	528.4	534.5	540.8	536.1	531.5	531.5	540.8	543.8	538.4
35°	479.1	481.4	479.9	486.0	490.6	484.5	480.6	479.1	491.4	489.9	486.8
37.5°	424.4	425.9	421.4	432.1	434.4	427.5	424.4	422.9	433.6	432.9	429.8
40°	362.8	364.4	361.2	369.0	369.8	364.4	362.0	359.8	370.5	369.8	367.4
42.5°	297.2	298.1	294.2	300.4	301.9	296.5	295.8	292.6	302.8	301.1	300.4
45°	229.5	229.5	226.5	231.1	232.6	228.0	226.5	225.6	232.6	232.6	231.1
47.5°	166.4	164.0	160.2	167.1	167.9	164.9	164.0	161.8	168.6	168.6	167.1
50°	114.0	113.2	112.5	114.0	114.8	110.9	113.2	110.9	114.8	114.8	114.8
52.5°	76.2	75.5	74.0	75.5	75.5	73.1	73.1	72.4	75.5	75.5	74.0
55°	47.8	47.0	46.2	47.0	47.0	44.6	46.2	44.6	46.2	46.2	45.5
57.5°	29.2	27.8	27.8	27.0	27.0	25.4	26.2	26.2	26.2	26.2	26.2
60°	17.0	16.1	15.4	15.4	15.4	14.6	14.6	14.6	14.6	14.6	14.6
62.5°	10.8	10.8	10.0	10.0	10.0	10.0	10.0	9.2	10.0	10.0	10.0
65°	9.2	8.5	8.5	8.5	8.5	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	7.8	6.9	6.9	6.9	6.9	6.1	6.1	6.1	6.1	6.1	6.1
70°	6.1	5.4	5.4	5.4	5.4	5.4	4.6	5.4	5.4	4.6	4.6
72.5°	4.6	4.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
75°	3.1	3.1	3.1	3.1	3.1	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.8	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	677.8	670.1	666.2	674.0	677.0	673.1	670.1	664.8	670.1	673.1	677.0
5°	687.0	680.1	677.0	682.4	687.0	683.2	680.9	675.5	680.9	683.2	687.0
7.5°	695.5	688.6	684.8	690.1	695.5	690.1	687.9	683.2	687.9	690.1	695.5
10°	698.6	690.9	687.9	692.4	697.9	692.4	689.4	686.2	689.4	692.4	697.9
12.5°	704.0	696.2	692.4	696.2	701.6	696.2	693.2	690.9	693.2	696.2	701.6
15°	711.8	704.8	700.1	704.0	710.9	704.8	700.9	700.1	700.9	704.8	710.9
17.5°	711.8	706.2	701.6	704.8	711.8	707.1	701.6	703.2	701.6	707.1	711.8
20°	701.6	696.2	692.4	692.4	702.5	696.2	691.6	694.0	691.6	696.2	702.5
22.5°	684.0	679.4	675.5	674.8	684.8	679.4	673.1	677.8	673.1	679.4	684.8
25°	660.9	656.2	653.1	651.6	661.6	655.5	650.1	654.8	650.1	655.5	661.6
27.5°	630.9	627.0	623.9	621.6	630.9	625.4	620.0	624.6	620.0	625.4	630.9
30°	592.2	590.0	586.9	583.9	593.1	587.6	582.2	588.5	582.2	587.6	593.1
32.5°	547.6	546.1	542.2	539.1	548.4	542.2	538.4	543.0	538.4	542.2	548.4
35°	496.0	493.8	491.4	486.0	496.0	490.6	490.6	492.1	490.6	490.6	496.0
37.5°	438.2	436.8	433.6	429.0	437.5	433.6	432.1	436.8	432.1	433.6	437.5
40°	373.5	372.8	370.5	365.1	374.4	370.5	368.1	374.4	368.1	370.5	374.4
42.5°	305.8	304.2	301.9	301.1	305.8	302.8	305.0	305.0	305.0	302.8	305.8
45°	235.8	234.1	232.6	229.5	234.9	233.4	232.6	234.1	232.6	233.4	234.9
47.5°	171.0	169.5	167.9	165.6	171.0	168.6	168.6	170.2	168.6	168.6	171.0
50°	114.8	115.5	114.8	113.2	114.8	114.0	114.8	116.2	114.8	114.0	114.8
52.5°	76.2	76.2	74.8	74.0	75.5	74.8	77.0	75.5	77.0	74.8	75.5
55°	46.2	47.0	46.2	45.5	46.2	45.5	47.8	47.0	47.8	45.5	46.2
57.5°	26.2	26.2	27.0	26.2	27.8	27.0	27.0	27.0	27.0	27.0	27.8
60°	14.6	14.6	14.6	14.6	14.6	14.6	15.4	14.6	15.4	14.6	14.6
62.5°	10.0	10.0	10.0	9.2	10.0	9.2	10.0	10.0	10.0	9.2	10.0
65°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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: P212780

CATALOG NUMBER: LE_6B10D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	674.0	666.2	670.1	677.8	667.0	676.2	670.9	661.6	661.6	668.5	670.1
5°	682.4	677.0	680.1	687.0	676.2	685.5	679.4	670.1	669.4	676.2	678.6
7.5°	690.1	684.8	688.6	695.5	684.0	693.2	687.9	677.8	676.2	683.2	685.5
10°	692.4	687.9	690.9	698.6	687.0	695.5	691.6	680.9	680.1	685.5	688.6
12.5°	696.2	692.4	696.2	704.0	692.4	700.9	697.0	686.2	684.8	691.6	694.0
15°	704.0	700.1	704.8	711.8	700.9	707.9	704.0	693.2	692.4	697.9	700.9
17.5°	704.8	701.6	706.2	711.8	700.9	707.9	704.8	693.2	692.4	698.6	700.9
20°	692.4	692.4	696.2	701.6	690.1	697.0	694.0	682.4	682.4	687.9	690.1
22.5°	674.8	675.5	679.4	684.0	672.4	679.4	676.2	664.8	665.5	670.1	673.1
25°	651.6	653.1	656.2	660.9	650.1	656.2	651.6	642.4	641.6	647.0	650.9
27.5°	621.6	623.9	627.0	630.9	620.8	625.4	622.4	613.1	612.4	617.8	621.6
30°	583.9	586.9	590.0	592.2	583.0	587.6	583.9	575.4	575.4	580.0	582.2
32.5°	539.1	542.2	546.1	547.6	538.4	543.8	540.8	531.5	531.5	536.1	540.8
35°	486.0	491.4	493.8	496.0	486.8	489.9	491.4	479.1	480.6	484.5	490.6
37.5°	429.0	433.6	436.8	438.2	429.8	432.9	433.6	422.9	424.4	427.5	434.4
40°	365.1	370.5	372.8	373.5	367.4	369.8	370.5	359.8	362.0	364.4	369.8
42.5°	301.1	301.9	304.2	305.8	300.4	301.1	302.8	292.6	295.8	296.5	301.9
45°	229.5	232.6	234.1	235.8	231.1	232.6	232.6	225.6	226.5	228.0	232.6
47.5°	165.6	167.9	169.5	171.0	167.1	168.6	168.6	161.8	164.0	164.9	167.9
50°	113.2	114.8	115.5	114.8	114.8	114.8	114.8	110.9	113.2	110.9	114.8
52.5°	74.0	74.8	76.2	76.2	74.0	75.5	75.5	72.4	73.1	73.1	75.5
55°	45.5	46.2	47.0	46.2	45.5	46.2	46.2	44.6	46.2	44.6	47.0
57.5°	26.2	27.0	26.2	26.2	26.2	26.2	26.2	26.2	26.2	25.4	27.0
60°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	15.4
62.5°	9.2	10.0	10.0	10.0	10.0	10.0	10.0	9.2	10.0	10.0	10.0
65°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.5
67.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.9
70°	4.6	4.6	4.6	4.6	4.6	4.6	5.4	5.4	4.6	5.4	5.4
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.1
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.8
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: P212780

CATALOG NUMBER: LE_6B10D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	669.4	663.1	663.1	656.2	662.4	663.1	655.5	653.1	661.6	652.4	657.0
5°	675.5	669.4	669.4	662.4	667.0	667.0	659.4	655.5	663.9	654.8	658.5
7.5°	683.2	676.2	674.8	667.8	671.6	672.4	663.1	657.8	666.2	655.5	659.4
10°	685.5	677.8	677.0	670.1	673.1	674.0	663.1	658.5	665.5	653.9	656.2
12.5°	690.9	682.4	682.4	675.5	677.8	677.8	667.0	660.9	667.0	655.5	657.0
15°	697.0	687.9	687.9	680.9	682.4	683.2	670.1	663.9	669.4	657.0	658.5
17.5°	697.0	687.0	687.0	680.9	681.6	680.9	668.5	661.6	665.5	652.4	653.1
20°	686.2	676.2	677.8	670.9	671.6	670.9	657.8	650.9	654.8	640.9	642.4
22.5°	668.5	659.4	660.9	654.8	654.8	653.9	641.6	634.6	638.5	624.6	625.4
25°	646.2	637.0	638.5	632.4	633.1	633.1	620.8	613.1	617.0	604.6	604.6
27.5°	617.0	607.8	610.0	606.1	603.9	604.6	593.9	586.1	590.0	578.5	578.5
30°	579.2	571.5	573.9	570.8	568.4	568.4	559.1	551.5	555.4	545.4	544.5
32.5°	534.5	528.4	530.6	528.4	526.1	528.4	518.4	510.6	514.5	506.8	507.6
35°	486.0	479.9	481.4	479.1	477.5	479.1	469.1	463.6	467.5	459.9	462.9
37.5°	432.1	421.4	425.9	424.4	422.9	423.6	414.4	410.5	415.1	410.5	412.9
40°	369.0	361.2	364.4	362.8	361.2	365.1	358.1	352.8	356.6	353.5	358.1
42.5°	300.4	294.2	298.1	297.2	295.0	299.6	294.2	290.4	296.5	295.0	298.9
45°	231.1	226.5	229.5	229.5	228.8	232.6	227.2	228.0	234.1	236.5	241.1
47.5°	167.1	160.2	164.0	166.4	166.4	170.2	167.1	170.2	177.1	181.8	185.6
50°	114.0	112.5	113.2	114.0	115.5	118.6	117.9	122.5	127.1	134.8	139.4
52.5°	75.5	74.0	75.5	76.2	77.8	80.9	80.9	86.2	91.6	98.6	104.0
55°	47.0	46.2	47.0	47.8	49.2	52.4	53.1	58.5	63.9	70.9	75.5
57.5°	27.0	27.8	27.8	29.2	30.0	32.4	34.6	37.8	43.9	50.9	55.5
60°	15.4	15.4	16.1	17.0	17.8	20.0	21.6	24.6	29.2	36.2	39.2
62.5°	10.0	10.0	10.8	10.8	11.5	13.1	14.6	17.8	21.6	27.0	30.0
65°	8.5	8.5	8.5	9.2	9.2	10.8	12.4	14.6	17.8	21.6	24.6
67.5°	6.9	6.9	6.9	7.8	7.8	8.5	10.0	11.5	13.9	17.0	19.2
70°	5.4	5.4	5.4	6.1	6.1	6.9	7.8	8.5	10.8	13.1	14.6
72.5°	3.9	3.9	4.6	4.6	4.6	5.4	6.1	6.9	8.5	10.0	10.8
75°	3.1	3.1	3.1	3.1	3.9	3.9	4.6	5.4	6.1	6.9	7.8
77.5°	1.5	1.5	2.2	2.2	2.2	3.1	3.1	3.9	4.6	5.4	5.4
80°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	3.1	3.9	3.9
82.5°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	2.2	2.2	2.2
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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: P212780

CATALOG NUMBER: LE_6B10D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6
2.5°	651.6	653.9	653.9	651.6	645.5	650.9	656.2	650.9	657.8	645.5	645.5
5°	651.6	653.1	652.4	649.2	643.1	647.8	651.6	646.2	651.6	640.0	639.2
7.5°	653.1	651.6	650.1	646.2	638.5	641.6	645.5	639.2	644.6	632.4	630.9
10°	650.1	647.8	644.6	639.2	630.9	633.1	635.5	630.0	633.9	621.6	620.8
12.5°	650.1	646.2	641.6	635.5	626.2	627.8	630.0	623.1	626.2	614.6	613.1
15°	651.6	644.6	639.2	632.4	622.4	623.1	624.6	617.0	620.0	607.8	607.0
17.5°	646.2	638.5	633.1	624.6	613.9	614.6	614.6	607.0	609.2	596.9	596.1
20°	634.6	625.4	619.2	611.5	600.0	600.0	600.0	592.2	593.9	583.0	581.5
22.5°	618.5	608.5	602.4	594.6	583.9	583.0	582.2	576.1	576.1	566.1	563.8
25°	596.9	587.6	581.5	574.6	563.8	562.2	562.2	556.9	556.1	546.9	545.4
27.5°	572.2	561.5	556.1	550.0	539.9	538.4	537.6	534.5	533.0	523.0	522.2
30°	539.1	529.9	525.2	519.9	510.6	509.1	508.4	505.2	504.5	494.5	494.5
32.5°	503.8	492.1	489.1	483.8	476.8	476.0	476.8	472.9	469.9	462.9	461.4
35°	461.4	449.9	447.5	445.2	439.8	438.2	437.5	436.8	432.9	428.2	425.9
37.5°	412.1	402.0	402.0	401.2	397.4	397.4	397.4	395.9	392.0	390.5	385.9
40°	358.9	351.2	352.0	352.8	351.2	352.0	352.8	351.2	348.1	346.6	342.8
42.5°	301.9	298.1	301.1	303.5	303.5	305.8	307.4	307.4	303.5	302.8	299.6
45°	244.9	244.1	250.4	255.0	256.5	260.4	262.6	261.1	261.1	261.1	258.0
47.5°	191.8	194.9	200.2	209.5	212.6	217.2	218.8	221.0	220.2	221.0	218.8
50°	145.6	152.5	159.4	168.6	173.2	178.8	181.0	184.1	184.1	184.9	183.4
52.5°	110.1	115.5	127.1	133.2	138.6	144.0	147.1	150.2	151.0	151.0	149.4
55°	81.6	89.4	97.0	105.5	110.1	115.5	117.9	120.9	120.9	122.5	120.9
57.5°	59.2	67.0	75.5	81.6	87.0	90.9	93.2	95.5	97.0	97.0	96.2
60°	43.9	50.1	57.0	63.1	67.8	71.6	73.1	75.5	76.2	76.2	74.8
62.5°	33.1	39.2	45.5	50.9	53.9	57.0	58.5	60.1	60.1	60.1	59.2
65°	27.0	31.6	36.2	40.9	43.9	46.2	47.0	48.5	47.8	48.5	47.8
67.5°	21.6	24.6	28.5	31.6	33.9	35.4	36.2	37.8	37.0	37.8	37.0
70°	16.1	19.2	21.6	23.9	25.4	27.0	27.8	28.5	27.8	28.5	27.8
72.5°	12.4	13.9	16.1	18.5	19.2	20.0	20.8	20.8	20.8	21.6	20.8
75°	8.5	10.0	11.5	12.4	13.9	14.6	14.6	15.4	15.4	15.4	15.4
77.5°	6.1	6.9	7.8	8.5	9.2	10.0	10.0	10.8	10.8	10.8	10.8
80°	3.9	4.6	4.6	5.4	6.1	6.1	6.9	6.9	6.9	6.9	6.9
82.5°	2.2	3.1	3.1	3.9	3.9	3.9	4.6	4.6	4.6	4.6	4.6
85°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	0.8	0.8
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: P212780

CATALOG NUMBER: LE_6B10D010 EC6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	661.6	661.6	661.6	661.6
2.5°	651.6	647.8	653.9	644.6
5°	644.6	640.9	648.5	637.0
7.5°	636.2	632.4	639.2	627.8
10°	625.4	621.6	627.8	615.4
12.5°	616.1	612.4	619.2	607.8
15°	609.2	605.4	611.5	600.8
17.5°	598.5	593.9	600.8	589.2
20°	583.0	580.0	585.4	573.9
22.5°	565.4	562.2	568.4	556.9
25°	546.9	543.0	549.1	537.6
27.5°	523.0	519.9	526.1	514.5
30°	494.5	491.4	497.6	486.8
32.5°	462.1	459.0	463.6	454.4
35°	425.1	422.9	427.5	417.5
37.5°	385.1	382.8	387.4	377.4
40°	342.0	339.6	343.5	338.9
42.5°	299.6	297.2	301.1	297.2
45°	258.0	256.5	260.4	256.5
47.5°	219.5	218.0	221.9	218.0
50°	182.5	183.4	184.9	183.4
52.5°	149.4	149.4	151.8	149.4
55°	120.9	121.8	122.5	120.9
57.5°	96.2	96.2	97.0	96.2
60°	74.8	75.5	75.5	74.8
62.5°	59.2	59.2	59.2	59.2
65°	47.0	47.0	47.8	47.0
67.5°	37.0	36.2	37.0	36.2
70°	27.8	27.8	27.8	27.8
72.5°	21.6	21.6	20.8	20.8
75°	15.4	16.1	15.4	15.4
77.5°	10.8	10.8	10.8	10.8
80°	6.9	6.9	6.9	6.9
82.5°	4.6	4.6	4.6	4.6
85°	3.1	2.2	2.2	2.2
87.5°	1.5	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)