

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: P212777

Luminaire Tested: **LE_6B10D010 EC6B10209030 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212777
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 EC6B10209030 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1084.3 lumens
Efficiency: N/A
Efficacy: 108.4 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

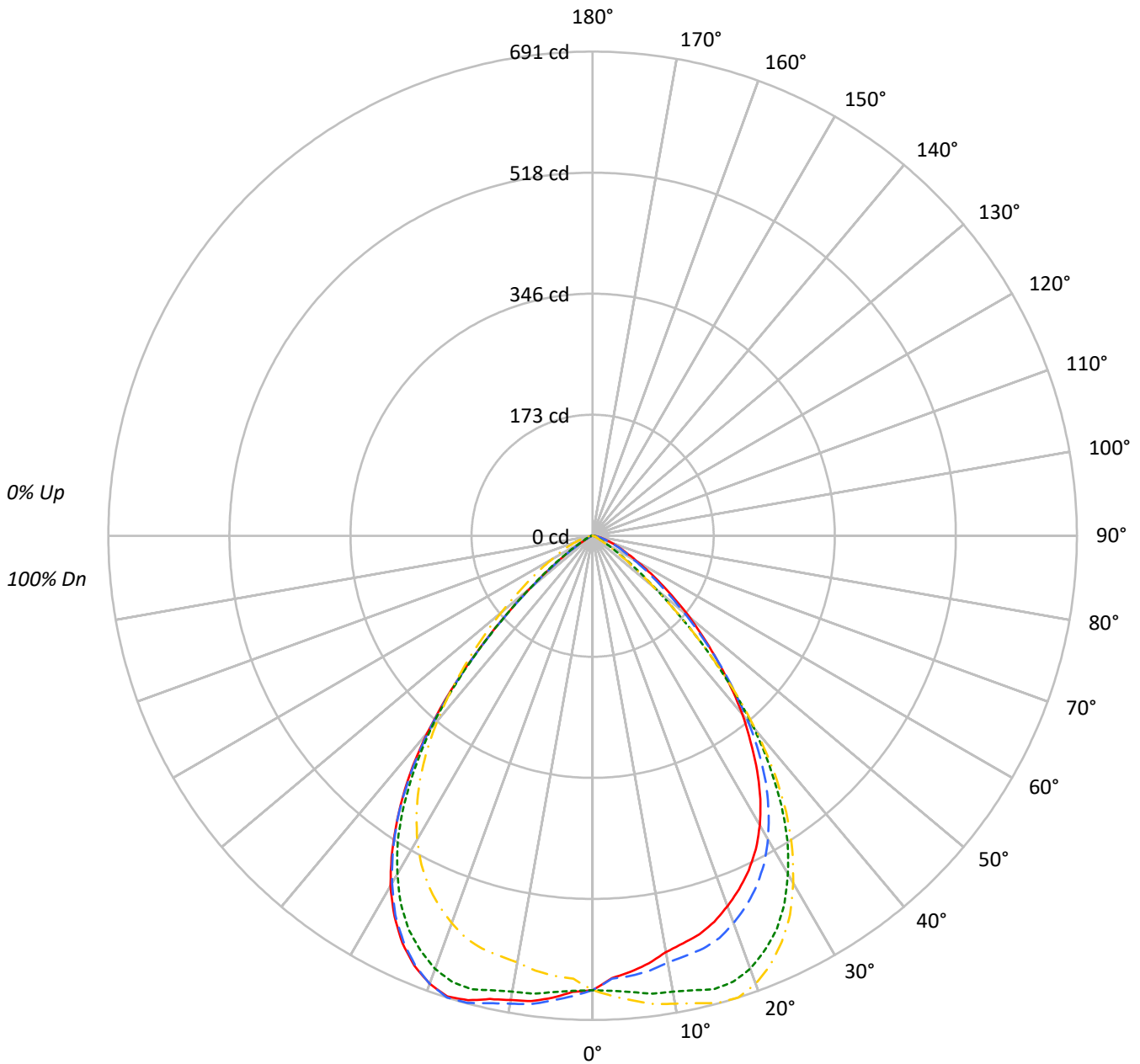
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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°	35551	35551	35551	35551
5°	34360	35984	36435	35984
10°	33578	36773	37452	36773
15°	33422	38014	38945	38014
20°	32815	38363	39682	38363
25°	31877	37538	38821	37538
30°	30201	35271	36518	35271
35°	27385	31427	32290	31427
40°	23773	25612	26256	25612
45°	19490	17676	17793	17676
50°	15334	9910	9722	9910
55°	11326	4913	4396	4913
60°	8026	2149	1579	2149
65°	5967	1375	973	1375
70°	4344	1090	721	1090
75°	3198	805	466	805
80°	2147	695	253	695
85°	1384	503	503	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	5.7
10°-20°	183.9	17.0
20°-30°	274.4	25.3
30°-40°	281.9	26.0
40°-50°	182.6	16.8
50°-60°	67.9	6.3
60°-70°	22.3	2.1
70°-80°	7.8	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°	520.4	48.0
0°-40°	802.3	74.0
0°-60°	1052.8	97.1
0°-90°	1084.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1084.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	648	648	648	648	648	
5°	624	654	662	654	624	59
15°	589	670	686	670	589	166
25°	527	621	642	621	527	242
35°	409	470	482	470	409	254
45°	251	228	230	228	251	194
55°	118	51	46	51	118	108
65°	46	11	8	11	46	47
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°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	632.0	641.0	635.0	638.8	632.8	632.8	644.8	638.0	643.2	638.0	632.8
5°	624.4	635.8	628.1	632.0	626.6	627.4	638.8	633.5	638.8	635.0	630.4
7.5°	615.4	626.6	619.9	623.6	618.4	619.9	632.0	626.6	632.8	628.9	625.9
10°	603.2	615.4	609.2	613.1	608.5	609.2	621.4	617.6	622.9	620.6	618.4
12.5°	595.8	607.0	600.2	604.0	601.0	602.5	613.9	610.8	617.6	615.4	613.9
15°	588.9	599.5	593.4	597.2	595.0	595.8	607.8	604.8	612.2	610.8	610.0
17.5°	577.6	588.9	582.1	586.6	584.4	585.1	597.2	595.0	602.5	602.5	601.8
20°	562.5	573.8	568.5	571.5	570.0	571.5	582.1	580.6	588.1	588.1	588.1
22.5°	545.9	557.2	551.1	554.1	552.6	554.9	564.8	564.8	570.8	571.5	572.2
25°	527.0	538.4	532.2	536.0	534.5	536.0	545.1	545.9	551.1	551.1	552.6
27.5°	504.4	515.6	509.6	512.6	511.9	512.6	522.5	524.0	527.0	527.8	529.2
30°	477.1	487.8	481.8	484.8	484.8	484.8	494.5	495.2	498.2	499.0	500.6
32.5°	445.5	454.5	450.0	453.0	452.2	453.8	460.5	463.6	467.4	466.6	467.4
35°	409.2	419.0	414.5	416.8	417.5	419.8	424.4	428.1	428.9	429.6	431.1
37.5°	370.0	379.8	375.2	377.5	378.2	382.8	384.2	388.1	389.6	389.6	389.6
40°	332.2	336.8	333.0	335.2	336.0	339.8	341.2	344.2	345.8	345.0	344.2
42.5°	291.4	295.2	291.4	293.8	293.8	296.8	297.5	301.2	301.2	299.8	297.5
45°	251.4	255.2	251.4	252.9	252.9	256.0	256.0	256.0	257.5	255.2	251.4
47.5°	213.6	217.5	213.6	215.1	214.4	216.6	215.9	216.6	214.4	212.9	208.4
50°	179.8	181.2	179.8	178.9	179.8	181.2	180.5	180.5	177.4	175.1	169.9
52.5°	146.5	148.8	146.5	146.5	146.5	148.0	148.0	147.2	144.2	141.1	135.9
55°	118.5	120.0	119.2	118.5	118.5	120.0	118.5	118.5	115.5	113.2	108.0
57.5°	94.4	95.1	94.4	94.4	94.4	95.1	95.1	93.6	91.4	89.1	85.4
60°	73.2	74.0	74.0	73.2	73.2	74.8	74.8	74.0	71.8	70.2	66.5
62.5°	58.1	58.1	58.1	58.1	58.1	58.9	58.9	58.9	57.4	55.9	52.9
65°	46.0	46.8	46.0	46.0	46.8	47.6	46.8	47.6	46.0	45.2	43.0
67.5°	35.5	36.2	35.5	36.2	36.2	37.0	36.2	37.0	35.5	34.8	33.2
70°	27.1	27.1	27.1	27.1	27.1	27.9	27.1	27.9	27.1	26.4	24.9
72.5°	20.4	20.4	21.1	21.1	20.4	21.1	20.4	20.4	20.4	19.6	18.9
75°	15.1	15.1	15.9	15.1	15.1	15.1	15.1	15.1	14.4	14.4	13.6
77.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	9.9	9.9	9.0
80°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.0	6.0
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.8	3.8
85°	2.2	2.2	2.2	3.0	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°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	638.8	641.0	641.0	638.8	644.0	639.5	648.5	640.2	642.5	650.0	649.2
5°	636.5	639.5	640.2	638.8	645.5	641.8	650.9	642.5	646.2	653.9	653.9
7.5°	633.5	637.2	638.8	640.2	646.2	642.5	653.1	644.8	650.0	659.1	658.4
10°	626.6	632.0	635.0	637.2	643.2	641.0	652.4	645.5	650.0	660.6	659.9
12.5°	622.9	628.9	633.5	637.2	644.0	642.5	653.9	647.8	653.9	664.4	664.4
15°	619.9	626.6	632.0	638.8	645.5	644.0	656.1	650.9	656.9	669.8	668.9
17.5°	612.2	620.6	625.9	633.5	640.2	639.5	652.4	648.5	655.4	667.4	668.1
20°	599.5	607.0	613.1	622.1	629.6	628.1	641.8	638.0	644.8	657.6	658.4
22.5°	582.9	590.4	596.5	606.2	613.1	612.2	625.9	622.1	628.9	641.0	641.8
25°	563.2	570.0	576.1	585.1	592.6	592.6	604.8	601.0	608.5	620.6	620.6
27.5°	539.1	545.1	550.4	561.0	567.0	567.0	578.4	574.5	582.1	592.6	591.9
30°	509.6	514.9	519.5	528.5	533.8	534.5	544.4	540.6	548.1	557.2	557.2
32.5°	474.1	479.4	482.5	493.8	497.5	496.8	504.4	500.6	508.1	517.9	515.6
35°	436.4	438.6	440.9	452.2	453.8	450.8	458.2	454.5	459.8	469.6	468.1
37.5°	393.4	394.1	394.1	403.9	404.6	402.4	407.0	402.4	406.2	415.2	414.5
40°	345.8	345.0	344.2	351.9	351.1	346.5	349.6	345.8	351.1	357.9	354.1
42.5°	297.5	295.2	292.2	296.0	293.0	289.1	290.6	284.6	288.4	293.8	289.1
45°	249.9	245.4	239.4	240.1	236.4	231.8	229.5	223.5	222.8	228.0	224.2
47.5°	205.4	196.2	191.0	188.0	182.0	178.1	173.6	166.9	163.9	166.9	163.1
50°	165.4	156.2	149.5	142.8	136.6	132.1	124.6	120.0	115.5	116.2	113.2
52.5°	130.6	124.6	113.2	108.0	101.9	96.6	89.9	84.5	79.2	79.2	76.2
55°	103.4	95.1	87.6	80.0	74.0	69.5	62.6	57.4	52.1	51.4	48.4
57.5°	80.0	74.0	65.6	58.1	54.4	49.9	43.0	37.0	34.0	31.8	29.5
60°	61.9	55.9	49.1	43.0	38.5	35.5	28.8	24.1	21.1	19.6	17.4
62.5°	49.9	44.5	38.5	32.5	29.5	26.4	21.1	17.4	14.4	12.9	11.4
65°	40.0	35.5	31.0	26.4	24.1	21.1	17.4	14.4	12.1	10.6	9.0
67.5°	31.0	27.9	24.1	21.1	18.9	16.6	13.6	11.4	9.9	8.2	7.5
70°	23.4	21.1	18.9	15.9	14.4	12.9	10.6	8.2	7.5	6.8	6.0
72.5°	18.1	15.9	13.6	12.1	10.6	9.9	8.2	6.8	6.0	5.2	4.5
75°	12.1	11.4	9.9	8.2	7.5	6.8	6.0	5.2	4.5	3.8	3.8
77.5°	8.2	7.5	6.8	6.0	5.2	5.2	4.5	3.8	3.0	3.0	2.2
80°	5.2	4.5	4.5	3.8	3.8	3.8	3.0	2.2	2.2	2.2	1.5
82.5°	3.8	3.0	3.0	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°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	643.2	650.0	650.0	656.1	656.9	655.4	648.5	648.5	657.6	662.9	653.9
5°	649.2	656.1	656.1	662.1	665.1	662.9	656.1	656.9	665.9	672.0	662.9
7.5°	654.6	661.4	662.9	669.8	672.0	669.8	662.9	664.4	674.2	679.5	670.5
10°	656.9	663.6	664.4	672.0	675.0	672.0	666.6	667.4	678.0	681.8	673.5
12.5°	662.1	668.9	668.9	677.2	680.2	678.0	671.2	672.8	683.2	687.0	678.8
15°	667.4	674.2	674.2	683.2	687.0	684.0	678.8	679.5	690.1	693.9	687.0
17.5°	667.4	673.5	673.5	683.2	687.0	684.8	678.8	679.5	690.9	693.9	687.0
20°	657.6	664.4	662.9	672.8	676.5	674.2	668.9	668.9	680.2	683.2	676.5
22.5°	641.8	647.8	646.2	655.4	659.9	656.9	652.4	651.6	662.9	665.9	659.1
25°	619.9	625.9	624.4	633.5	638.0	634.2	628.9	629.6	638.8	643.2	637.2
27.5°	594.2	598.0	595.8	604.8	609.2	605.5	600.2	601.0	610.0	613.1	608.5
30°	559.5	562.5	560.2	567.8	570.8	568.5	564.0	564.0	572.2	576.1	571.5
32.5°	517.9	520.2	517.9	524.0	530.0	525.5	521.0	521.0	530.0	533.0	527.8
35°	469.6	471.9	470.4	476.4	481.0	474.9	471.1	469.6	481.8	480.1	477.1
37.5°	416.0	417.5	413.0	423.5	425.9	419.0	416.0	414.5	425.1	424.4	421.2
40°	355.6	357.1	354.1	361.6	362.4	357.1	354.9	352.6	363.1	362.4	360.1
42.5°	291.4	292.2	288.4	294.5	296.0	290.6	289.9	286.9	296.8	295.2	294.5
45°	225.0	225.0	222.0	226.5	228.0	223.5	222.0	221.2	228.0	228.0	226.5
47.5°	163.1	160.9	157.0	163.9	164.6	161.6	160.9	158.5	165.4	165.4	163.9
50°	111.8	111.0	110.2	111.8	112.5	108.8	111.0	108.8	112.5	112.5	112.5
52.5°	74.8	74.0	72.5	74.0	74.0	71.8	71.8	71.0	74.0	74.0	72.5
55°	46.8	46.0	45.2	46.0	46.0	43.8	45.2	43.8	45.2	45.2	44.5
57.5°	28.8	27.1	27.1	26.4	26.4	24.9	25.6	25.6	25.6	25.6	25.6
60°	16.6	15.9	15.1	15.1	15.1	14.4	14.4	14.4	14.4	14.4	14.4
62.5°	10.6	10.6	9.9	9.9	9.9	9.9	9.9	9.0	9.9	9.9	9.9
65°	9.0	8.2	8.2	8.2	8.2	7.5	7.5	7.5	7.5	7.5	7.5
67.5°	7.5	6.8	6.8	6.8	6.8	6.0	6.0	6.0	6.0	6.0	6.0
70°	6.0	5.2	5.2	5.2	5.2	5.2	4.5	5.2	5.2	4.5	4.5
72.5°	4.5	4.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
75°	3.0	3.0	3.0	3.0	3.0	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°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	664.4	656.9	653.1	660.6	663.6	659.9	656.9	651.6	656.9	659.9	663.6
5°	673.5	666.6	663.6	668.9	673.5	669.8	667.4	662.1	667.4	669.8	673.5
7.5°	681.8	675.0	671.2	676.5	681.8	676.5	674.2	669.8	674.2	676.5	681.8
10°	684.8	677.2	674.2	678.8	684.0	678.8	675.8	672.8	675.8	678.8	684.0
12.5°	690.1	682.5	678.8	682.5	687.9	682.5	679.5	677.2	679.5	682.5	687.9
15°	697.6	690.9	686.2	690.1	696.9	690.9	687.0	686.2	687.0	690.9	696.9
17.5°	697.6	692.4	687.9	690.9	697.6	693.1	687.9	689.4	687.9	693.1	697.6
20°	687.9	682.5	678.8	678.8	688.6	682.5	678.0	680.2	678.0	682.5	688.6
22.5°	670.5	665.9	662.1	661.4	671.2	665.9	659.9	664.4	659.9	665.9	671.2
25°	647.8	643.2	640.2	638.8	648.5	642.5	637.2	641.8	637.2	642.5	648.5
27.5°	618.4	614.6	611.5	609.2	618.4	613.1	607.8	612.2	607.8	613.1	618.4
30°	580.6	578.4	575.4	572.2	581.4	576.1	570.8	576.9	570.8	576.1	581.4
32.5°	536.8	535.2	531.5	528.5	537.6	531.5	527.8	532.2	527.8	531.5	537.6
35°	486.2	484.0	481.8	476.4	486.2	481.0	481.0	482.5	481.0	481.0	486.2
37.5°	429.6	428.1	425.1	420.5	428.9	425.1	423.5	428.1	423.5	425.1	428.9
40°	366.1	365.4	363.1	357.9	366.9	363.1	360.9	366.9	360.9	363.1	366.9
42.5°	299.8	298.2	296.0	295.2	299.8	296.8	299.0	299.0	299.0	296.8	299.8
45°	231.0	229.5	228.0	225.0	230.2	228.8	228.0	229.5	228.0	228.8	230.2
47.5°	167.6	166.1	164.6	162.4	167.6	165.4	165.4	166.9	165.4	165.4	167.6
50°	112.5	113.2	112.5	111.0	112.5	111.8	112.5	114.0	112.5	111.8	112.5
52.5°	74.8	74.8	73.2	72.5	74.0	73.2	75.5	74.0	75.5	73.2	74.0
55°	45.2	46.0	45.2	44.5	45.2	44.5	46.8	46.0	46.8	44.5	45.2
57.5°	25.6	25.6	26.4	25.6	27.1	26.4	26.4	26.4	26.4	26.4	27.1
60°	14.4	14.4	14.4	14.4	14.4	14.4	15.1	14.4	15.1	14.4	14.4
62.5°	9.9	9.9	9.9	9.0	9.9	9.0	9.9	9.9	9.9	9.0	9.9
65°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
67.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P212777

CATALOG NUMBER: LE_6B10D010 EC6B10209030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	660.6	653.1	656.9	664.4	653.9	662.9	657.6	648.5	648.5	655.4	656.9
5°	668.9	663.6	666.6	673.5	662.9	672.0	665.9	656.9	656.1	662.9	665.1
7.5°	676.5	671.2	675.0	681.8	670.5	679.5	674.2	664.4	662.9	669.8	672.0
10°	678.8	674.2	677.2	684.8	673.5	681.8	678.0	667.4	666.6	672.0	675.0
12.5°	682.5	678.8	682.5	690.1	678.8	687.0	683.2	672.8	671.2	678.0	680.2
15°	690.1	686.2	690.9	697.6	687.0	693.9	690.1	679.5	678.8	684.0	687.0
17.5°	690.9	687.9	692.4	697.6	687.0	693.9	690.9	679.5	678.8	684.8	687.0
20°	678.8	678.8	682.5	687.9	676.5	683.2	680.2	668.9	668.9	674.2	676.5
22.5°	661.4	662.1	665.9	670.5	659.1	665.9	662.9	651.6	652.4	656.9	659.9
25°	638.8	640.2	643.2	647.8	637.2	643.2	638.8	629.6	628.9	634.2	638.0
27.5°	609.2	611.5	614.6	618.4	608.5	613.1	610.0	601.0	600.2	605.5	609.2
30°	572.2	575.4	578.4	580.6	571.5	576.1	572.2	564.0	564.0	568.5	570.8
32.5°	528.5	531.5	535.2	536.8	527.8	533.0	530.0	521.0	521.0	525.5	530.0
35°	476.4	481.8	484.0	486.2	477.1	480.1	481.8	469.6	471.1	474.9	481.0
37.5°	420.5	425.1	428.1	429.6	421.2	424.4	425.1	414.5	416.0	419.0	425.9
40°	357.9	363.1	365.4	366.1	360.1	362.4	363.1	352.6	354.9	357.1	362.4
42.5°	295.2	296.0	298.2	299.8	294.5	295.2	296.8	286.9	289.9	290.6	296.0
45°	225.0	228.0	229.5	231.0	226.5	228.0	228.0	221.2	222.0	223.5	228.0
47.5°	162.4	164.6	166.1	167.6	163.9	165.4	165.4	158.5	160.9	161.6	164.6
50°	111.0	112.5	113.2	112.5	112.5	112.5	112.5	108.8	111.0	108.8	112.5
52.5°	72.5	73.2	74.8	74.8	72.5	74.0	74.0	71.0	71.8	71.8	74.0
55°	44.5	45.2	46.0	45.2	44.5	45.2	45.2	43.8	45.2	43.8	46.0
57.5°	25.6	26.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6	24.9	26.4
60°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	15.1
62.5°	9.0	9.9	9.9	9.9	9.9	9.9	9.9	9.0	9.9	9.9	9.9
65°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.2
67.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.8
70°	4.5	4.5	4.5	4.5	4.5	4.5	5.2	5.2	4.5	5.2	5.2
72.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.0
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: P212777

CATALOG NUMBER: LE_6B10D010 EC6B10209030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	656.1	650.0	650.0	643.2	649.2	650.0	642.5	640.2	648.5	639.5	644.0
5°	662.1	656.1	656.1	649.2	653.9	653.9	646.2	642.5	650.9	641.8	645.5
7.5°	669.8	662.9	661.4	654.6	658.4	659.1	650.0	644.8	653.1	642.5	646.2
10°	672.0	664.4	663.6	656.9	659.9	660.6	650.0	645.5	652.4	641.0	643.2
12.5°	677.2	668.9	668.9	662.1	664.4	664.4	653.9	647.8	653.9	642.5	644.0
15°	683.2	674.2	674.2	667.4	668.9	669.8	656.9	650.9	656.1	644.0	645.5
17.5°	683.2	673.5	673.5	667.4	668.1	667.4	655.4	648.5	652.4	639.5	640.2
20°	672.8	662.9	664.4	657.6	658.4	657.6	644.8	638.0	641.8	628.1	629.6
22.5°	655.4	646.2	647.8	641.8	641.8	641.0	628.9	622.1	625.9	612.2	613.1
25°	633.5	624.4	625.9	619.9	620.6	620.6	608.5	601.0	604.8	592.6	592.6
27.5°	604.8	595.8	598.0	594.2	591.9	592.6	582.1	574.5	578.4	567.0	567.0
30°	567.8	560.2	562.5	559.5	557.2	557.2	548.1	540.6	544.4	534.5	533.8
32.5°	524.0	517.9	520.2	517.9	515.6	517.9	508.1	500.6	504.4	496.8	497.5
35°	476.4	470.4	471.9	469.6	468.1	469.6	459.8	454.5	458.2	450.8	453.8
37.5°	423.5	413.0	417.5	416.0	414.5	415.2	406.2	402.4	407.0	402.4	404.6
40°	361.6	354.1	357.1	355.6	354.1	357.9	351.1	345.8	349.6	346.5	351.1
42.5°	294.5	288.4	292.2	291.4	289.1	293.8	288.4	284.6	290.6	289.1	293.0
45°	226.5	222.0	225.0	225.0	224.2	228.0	222.8	223.5	229.5	231.8	236.4
47.5°	163.9	157.0	160.9	163.1	163.1	166.9	163.9	166.9	173.6	178.1	182.0
50°	111.8	110.2	111.0	111.8	113.2	116.2	115.5	120.0	124.6	132.1	136.6
52.5°	74.0	72.5	74.0	74.8	76.2	79.2	79.2	84.5	89.9	96.6	101.9
55°	46.0	45.2	46.0	46.8	48.4	51.4	52.1	57.4	62.6	69.5	74.0
57.5°	26.4	27.1	27.1	28.8	29.5	31.8	34.0	37.0	43.0	49.9	54.4
60°	15.1	15.1	15.9	16.6	17.4	19.6	21.1	24.1	28.8	35.5	38.5
62.5°	9.9	9.9	10.6	10.6	11.4	12.9	14.4	17.4	21.1	26.4	29.5
65°	8.2	8.2	8.2	9.0	9.0	10.6	12.1	14.4	17.4	21.1	24.1
67.5°	6.8	6.8	6.8	7.5	7.5	8.2	9.9	11.4	13.6	16.6	18.9
70°	5.2	5.2	5.2	6.0	6.0	6.8	7.5	8.2	10.6	12.9	14.4
72.5°	3.8	3.8	4.5	4.5	4.5	5.2	6.0	6.8	8.2	9.9	10.6
75°	3.0	3.0	3.0	3.0	3.8	3.8	4.5	5.2	6.0	6.8	7.5
77.5°	1.5	1.5	2.2	2.2	2.2	3.0	3.0	3.8	4.5	5.2	5.2
80°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	3.0	3.8	3.8
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: P212777

CATALOG NUMBER: LE_6B10D010 EC6B10209030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	638.8	641.0	641.0	638.8	632.8	638.0	643.2	638.0	644.8	632.8	632.8
5°	638.8	640.2	639.5	636.5	630.4	635.0	638.8	633.5	638.8	627.4	626.6
7.5°	640.2	638.8	637.2	633.5	625.9	628.9	632.8	626.6	632.0	619.9	618.4
10°	637.2	635.0	632.0	626.6	618.4	620.6	622.9	617.6	621.4	609.2	608.5
12.5°	637.2	633.5	628.9	622.9	613.9	615.4	617.6	610.8	613.9	602.5	601.0
15°	638.8	632.0	626.6	619.9	610.0	610.8	612.2	604.8	607.8	595.8	595.0
17.5°	633.5	625.9	620.6	612.2	601.8	602.5	602.5	595.0	597.2	585.1	584.4
20°	622.1	613.1	607.0	599.5	588.1	588.1	588.1	580.6	582.1	571.5	570.0
22.5°	606.2	596.5	590.4	582.9	572.2	571.5	570.8	564.8	564.8	554.9	552.6
25°	585.1	576.1	570.0	563.2	552.6	551.1	551.1	545.9	545.1	536.0	534.5
27.5°	561.0	550.4	545.1	539.1	529.2	527.8	527.0	524.0	522.5	512.6	511.9
30°	528.5	519.5	514.9	509.6	500.6	499.0	498.2	495.2	494.5	484.8	484.8
32.5°	493.8	482.5	479.4	474.1	467.4	466.6	467.4	463.6	460.5	453.8	452.2
35°	452.2	440.9	438.6	436.4	431.1	429.6	428.9	428.1	424.4	419.8	417.5
37.5°	403.9	394.1	394.1	393.4	389.6	389.6	389.6	388.1	384.2	382.8	378.2
40°	351.9	344.2	345.0	345.8	344.2	345.0	345.8	344.2	341.2	339.8	336.0
42.5°	296.0	292.2	295.2	297.5	297.5	299.8	301.2	301.2	297.5	296.8	293.8
45°	240.1	239.4	245.4	249.9	251.4	255.2	257.5	256.0	256.0	256.0	252.9
47.5°	188.0	191.0	196.2	205.4	208.4	212.9	214.4	216.6	215.9	216.6	214.4
50°	142.8	149.5	156.2	165.4	169.9	175.1	177.4	180.5	180.5	181.2	179.8
52.5°	108.0	113.2	124.6	130.6	135.9	141.1	144.2	147.2	148.0	148.0	146.5
55°	80.0	87.6	95.1	103.4	108.0	113.2	115.5	118.5	118.5	120.0	118.5
57.5°	58.1	65.6	74.0	80.0	85.4	89.1	91.4	93.6	95.1	95.1	94.4
60°	43.0	49.1	55.9	61.9	66.5	70.2	71.8	74.0	74.8	74.8	73.2
62.5°	32.5	38.5	44.5	49.9	52.9	55.9	57.4	58.9	58.9	58.9	58.1
65°	26.4	31.0	35.5	40.0	43.0	45.2	46.0	47.6	46.8	47.6	46.8
67.5°	21.1	24.1	27.9	31.0	33.2	34.8	35.5	37.0	36.2	37.0	36.2
70°	15.9	18.9	21.1	23.4	24.9	26.4	27.1	27.9	27.1	27.9	27.1
72.5°	12.1	13.6	15.9	18.1	18.9	19.6	20.4	20.4	20.4	21.1	20.4
75°	8.2	9.9	11.4	12.1	13.6	14.4	14.4	15.1	15.1	15.1	15.1
77.5°	6.0	6.8	7.5	8.2	9.0	9.9	9.9	10.6	10.6	10.6	10.6
80°	3.8	4.5	4.5	5.2	6.0	6.0	6.8	6.8	6.8	6.8	6.8
82.5°	2.2	3.0	3.0	3.8	3.8	3.8	4.5	4.5	4.5	4.5	4.5
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: P212777

CATALOG NUMBER: LE_6B10D010 EC6B10209030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	648.5	648.5	648.5	648.5
2.5°	638.8	635.0	641.0	632.0
5°	632.0	628.1	635.8	624.4
7.5°	623.6	619.9	626.6	615.4
10°	613.1	609.2	615.4	603.2
12.5°	604.0	600.2	607.0	595.8
15°	597.2	593.4	599.5	588.9
17.5°	586.6	582.1	588.9	577.6
20°	571.5	568.5	573.8	562.5
22.5°	554.1	551.1	557.2	545.9
25°	536.0	532.2	538.4	527.0
27.5°	512.6	509.6	515.6	504.4
30°	484.8	481.8	487.8	477.1
32.5°	453.0	450.0	454.5	445.5
35°	416.8	414.5	419.0	409.2
37.5°	377.5	375.2	379.8	370.0
40°	335.2	333.0	336.8	332.2
42.5°	293.8	291.4	295.2	291.4
45°	252.9	251.4	255.2	251.4
47.5°	215.1	213.6	217.5	213.6
50°	178.9	179.8	181.2	179.8
52.5°	146.5	146.5	148.8	146.5
55°	118.5	119.2	120.0	118.5
57.5°	94.4	94.4	95.1	94.4
60°	73.2	74.0	74.0	73.2
62.5°	58.1	58.1	58.1	58.1
65°	46.0	46.0	46.8	46.0
67.5°	36.2	35.5	36.2	35.5
70°	27.1	27.1	27.1	27.1
72.5°	21.1	21.1	20.4	20.4
75°	15.1	15.9	15.1	15.1
77.5°	10.6	10.6	10.6	10.6
80°	6.8	6.8	6.8	6.8
82.5°	4.5	4.5	4.5	4.5
85°	3.0	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)