

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: P212782

Luminaire Tested: **LE_6B10D010 EC6B10209730 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212782
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 EC6B10209730 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 947.5 lumens
Efficiency: N/A
Efficacy: 94.7 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

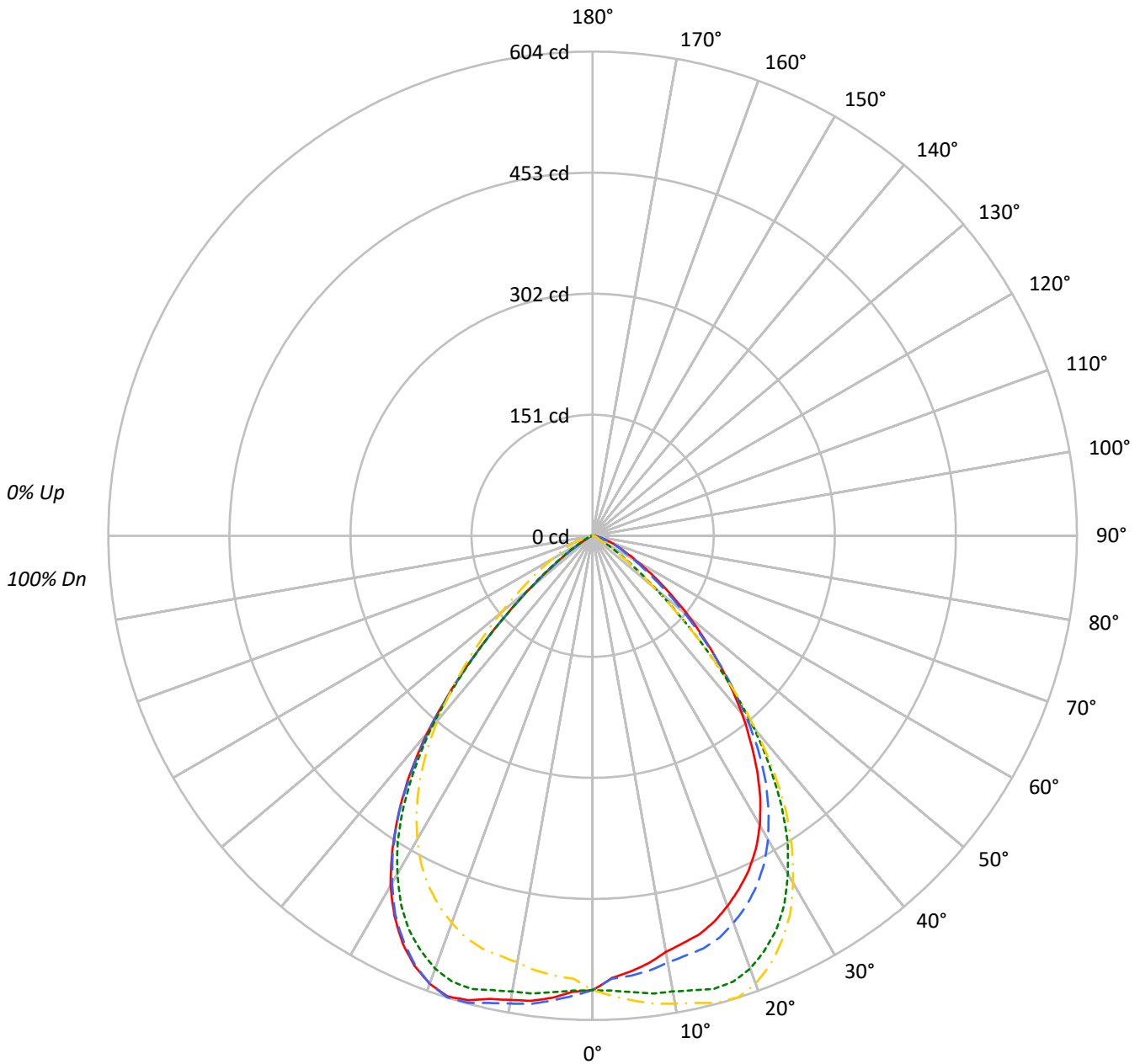
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	100	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°	31072	31072	31072	31072
5°	30024	31444	31840	31444
10°	29341	32130	32726	32130
15°	29206	33207	34041	33207
20°	28673	33521	34676	33521
25°	27854	32796	33921	32796
30°	26396	30821	31904	30821
35°	23932	27465	28215	27465
40°	20767	22385	22943	22385
45°	17041	15443	15544	15443
50°	13390	8665	8494	8665
55°	9902	4291	3842	4291
60°	7017	1875	1371	1875
65°	5215	1193	856	1193
70°	3815	962	641	962
75°	2796	678	424	678
80°	1894	631	189	631
85°	1258	377	377	377



TEST NUMBER: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	5.7
10°-20°	160.7	17.0
20°-30°	239.8	25.3
30°-40°	246.4	26.0
40°-50°	159.5	16.8
50°-60°	59.3	6.3
60°-70°	19.5	2.1
70°-80°	6.9	0.7
80°-90°	1.2	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°	454.7	48.0
0°-40°	701.1	74.0
0°-60°	919.9	97.1
0°-90°	947.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	947.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	567	567	567	567	567	
5°	546	571	579	571	546	52
15°	515	585	600	585	515	145
25°	460	542	561	542	460	211
35°	358	410	422	410	358	222
45°	220	199	200	199	220	170
55°	104	45	40	45	104	94
65°	40	9	7	9	40	41
75°	13	3	2	3	13	15
85°	2	1	1	1	2	3
90°	0	0	0	0	0	



TEST NUMBER: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	552.2	560.1	554.9	558.1	552.9	552.9	563.4	557.5	562.1	557.5	552.9
5°	545.6	555.5	548.9	552.2	547.6	548.2	558.1	553.5	558.1	554.9	550.9
7.5°	537.6	547.6	541.6	544.9	540.4	541.6	552.2	547.6	552.9	549.5	546.9
10°	527.1	537.6	532.4	535.8	531.8	532.4	543.0	539.6	544.2	542.2	540.4
12.5°	520.5	530.4	524.5	527.8	525.1	526.5	536.4	533.8	539.6	537.6	536.4
15°	514.6	523.9	518.5	521.9	519.9	520.5	531.1	528.5	535.0	533.8	533.0
17.5°	504.8	514.6	508.6	512.6	510.6	511.2	521.9	519.9	526.5	526.5	525.8
20°	491.5	501.4	496.8	499.4	498.1	499.4	508.6	507.4	513.9	513.9	513.9
22.5°	477.0	486.9	481.6	484.2	482.9	484.9	493.5	493.5	498.8	499.4	500.1
25°	460.5	470.4	465.1	468.4	467.1	468.4	476.4	477.0	481.6	481.6	482.9
27.5°	440.8	450.6	445.4	448.0	447.2	448.0	456.5	457.9	460.5	461.1	462.5
30°	417.0	426.1	420.9	423.5	423.5	423.5	432.1	432.8	435.4	436.1	437.4
32.5°	389.2	397.1	393.2	395.9	395.1	396.5	402.4	405.1	408.4	407.8	408.4
35°	357.6	366.1	362.2	364.1	364.9	366.8	370.8	374.1	374.8	375.4	376.8
37.5°	323.2	331.9	327.9	329.9	330.5	334.5	335.8	339.1	340.4	340.4	340.4
40°	290.2	294.2	291.0	292.9	293.6	296.9	298.2	300.9	302.1	301.5	300.9
42.5°	254.6	258.0	254.6	256.6	256.6	259.2	259.9	263.2	263.2	261.9	259.9
45°	219.8	223.0	219.8	221.0	221.0	223.6	223.6	223.6	225.0	223.0	219.8
47.5°	186.8	190.0	186.8	188.0	187.4	189.4	188.6	189.4	187.4	186.0	182.1
50°	157.0	158.4	157.0	156.4	157.0	158.4	157.6	157.6	155.0	153.0	148.5
52.5°	128.0	130.0	128.0	128.0	128.0	129.2	129.2	128.6	126.0	123.4	118.8
55°	103.6	104.9	104.2	103.6	103.6	104.9	103.6	103.6	101.0	99.0	94.4
57.5°	82.5	83.1	82.5	82.5	82.5	83.1	83.1	81.8	79.9	77.9	74.5
60°	64.0	64.6	64.6	64.0	64.0	65.4	65.4	64.6	62.6	61.4	58.0
62.5°	50.8	50.8	50.8	50.8	50.8	51.5	51.5	51.5	50.1	48.9	46.1
65°	40.2	40.9	40.2	40.2	40.9	41.6	40.9	41.6	40.2	39.6	37.6
67.5°	31.0	31.6	31.0	31.6	31.6	32.4	31.6	32.4	31.0	30.4	29.0
70°	23.8	23.8	23.8	23.8	23.8	24.4	23.8	24.4	23.8	23.1	21.8
72.5°	17.9	17.9	18.5	18.5	17.9	18.5	17.9	17.9	17.9	17.1	16.5
75°	13.2	13.2	13.9	13.2	13.2	13.2	13.2	13.2	12.5	12.5	11.9
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	8.6	8.6	7.9
80°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.2	5.2
82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.2	3.2
85°	2.0	2.0	2.0	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	0.6	0.6	0.6	1.4	0.6	0.6	1.4	1.4	0.6	0.6	0.6
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: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	558.1	560.1	560.1	558.1	562.8	558.8	566.8	559.5	561.4	568.0	567.4
5°	556.1	558.8	559.5	558.1	564.1	560.8	568.6	561.4	564.8	571.4	571.4
7.5°	553.5	556.8	558.1	559.5	564.8	561.4	570.6	563.4	568.0	576.0	575.2
10°	547.6	552.2	554.9	556.8	562.1	560.1	570.0	564.1	568.0	577.2	576.6
12.5°	544.2	549.5	553.5	556.8	562.8	561.4	571.4	566.0	571.4	580.5	580.5
15°	541.6	547.6	552.2	558.1	564.1	562.8	573.2	568.6	574.0	585.1	584.5
17.5°	535.0	542.2	546.9	553.5	559.5	558.8	570.0	566.8	572.6	583.2	583.9
20°	523.9	530.4	535.8	543.6	550.2	548.9	560.8	557.5	563.4	574.6	575.2
22.5°	509.2	515.9	521.1	529.8	535.8	535.0	546.9	543.6	549.5	560.1	560.8
25°	492.1	498.1	503.4	511.2	517.9	517.9	528.5	525.1	531.8	542.2	542.2
27.5°	471.0	476.4	481.0	490.1	495.5	495.5	505.4	502.0	508.6	517.9	517.2
30°	445.4	449.9	453.9	461.8	466.4	467.1	475.6	472.4	479.0	486.9	486.9
32.5°	414.2	418.9	421.6	431.5	434.8	434.1	440.8	437.4	444.0	452.6	450.6
35°	381.4	383.2	385.2	395.1	396.5	393.9	400.5	397.1	401.8	410.4	409.0
37.5°	343.8	344.4	344.4	353.0	353.6	351.6	355.6	351.6	354.9	362.9	362.2
40°	302.1	301.5	300.9	307.4	306.8	302.9	305.5	302.1	306.8	312.8	309.4
42.5°	259.9	258.0	255.4	258.6	256.0	252.6	254.0	248.8	252.0	256.6	252.6
45°	218.4	214.4	209.1	209.8	206.5	202.5	200.5	195.2	194.6	199.2	196.0
47.5°	179.5	171.5	166.9	164.2	159.0	155.8	151.8	145.8	143.1	145.8	142.5
50°	144.5	136.6	130.6	124.8	119.4	115.5	108.9	104.9	101.0	101.6	99.0
52.5°	114.1	108.9	99.0	94.4	89.1	84.5	78.5	73.9	69.2	69.2	66.6
55°	90.4	83.1	76.5	69.9	64.6	60.8	54.8	50.1	45.5	44.9	42.2
57.5°	69.9	64.6	57.4	50.8	47.5	43.5	37.6	32.4	29.8	27.8	25.8
60°	54.1	48.9	42.9	37.6	33.6	31.0	25.1	21.1	18.5	17.1	15.1
62.5°	43.5	38.9	33.6	28.4	25.8	23.1	18.5	15.1	12.5	11.2	9.9
65°	35.0	31.0	27.0	23.1	21.1	18.5	15.1	12.5	10.5	9.2	7.9
67.5°	27.0	24.4	21.1	18.5	16.5	14.5	11.9	9.9	8.6	7.2	6.6
70°	20.5	18.5	16.5	13.9	12.5	11.2	9.2	7.2	6.6	6.0	5.2
72.5°	15.9	13.9	11.9	10.5	9.2	8.6	7.2	6.0	5.2	4.6	4.0
75°	10.5	9.9	8.6	7.2	6.6	6.0	5.2	4.6	4.0	3.2	3.2
77.5°	7.2	6.6	6.0	5.2	4.6	4.6	4.0	3.2	2.6	2.6	2.0
80°	4.6	4.0	4.0	3.2	3.2	3.2	2.6	2.0	2.0	2.0	1.4
82.5°	3.2	2.6	2.6	2.0	2.0	2.0	2.0	1.4	1.4	1.4	0.6
85°	2.0	1.4	1.4	1.4	1.4	1.4	1.4	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	562.1	568.0	568.0	573.2	574.0	572.6	566.8	566.8	574.6	579.2	571.4
5°	567.4	573.2	573.2	578.6	581.2	579.2	573.2	574.0	581.9	587.1	579.2
7.5°	572.0	577.9	579.2	585.1	587.1	585.1	579.2	580.5	589.1	593.8	585.9
10°	574.0	579.9	580.5	587.1	589.8	587.1	582.5	583.2	592.4	595.8	588.5
12.5°	578.6	584.5	584.5	591.8	594.4	592.4	586.5	587.9	597.0	600.4	593.1
15°	583.2	589.1	589.1	597.0	600.4	597.8	593.1	593.8	603.0	606.2	600.4
17.5°	583.2	588.5	588.5	597.0	600.4	598.4	593.1	593.8	603.6	606.2	600.4
20°	574.6	580.5	579.2	587.9	591.1	589.1	584.5	584.5	594.4	597.0	591.1
22.5°	560.8	566.0	564.8	572.6	576.6	574.0	570.0	569.4	579.2	581.9	576.0
25°	541.6	546.9	545.6	553.5	557.5	554.1	549.5	550.2	558.1	562.1	556.8
27.5°	519.2	522.5	520.5	528.5	532.4	529.1	524.5	525.1	533.0	535.8	531.8
30°	488.9	491.5	489.5	496.1	498.8	496.8	492.9	492.9	500.1	503.4	499.4
32.5°	452.6	454.5	452.6	457.9	463.1	459.1	455.2	455.2	463.1	465.8	461.1
35°	410.4	412.4	411.0	416.2	420.2	415.0	411.6	410.4	420.9	419.6	417.0
37.5°	363.5	364.9	360.9	370.1	372.1	366.1	363.5	362.2	371.4	370.8	368.1
40°	310.8	312.0	309.4	316.0	316.6	312.0	310.1	308.1	317.4	316.6	314.8
42.5°	254.6	255.4	252.0	257.2	258.6	254.0	253.4	250.8	259.2	258.0	257.2
45°	196.6	196.6	194.0	197.9	199.2	195.2	194.0	193.2	199.2	199.2	197.9
47.5°	142.5	140.5	137.2	143.1	143.9	141.1	140.5	138.5	144.5	144.5	143.1
50°	97.6	97.0	96.4	97.6	98.2	95.0	97.0	95.0	98.2	98.2	98.2
52.5°	65.4	64.6	63.4	64.6	64.6	62.6	62.6	62.0	64.6	64.6	63.4
55°	40.9	40.2	39.6	40.2	40.2	38.2	39.6	38.2	39.6	39.6	38.9
57.5°	25.1	23.8	23.8	23.1	23.1	21.8	22.4	22.4	22.4	22.4	22.4
60°	14.5	13.9	13.2	13.2	13.2	12.5	12.5	12.5	12.5	12.5	12.5
62.5°	9.2	9.2	8.6	8.6	8.6	8.6	8.6	7.9	8.6	8.6	8.6
65°	7.9	7.2	7.2	7.2	7.2	6.6	6.6	6.6	6.6	6.6	6.6
67.5°	6.6	6.0	6.0	6.0	6.0	5.2	5.2	5.2	5.2	5.2	5.2
70°	5.2	4.6	4.6	4.6	4.6	4.6	4.0	4.6	4.6	4.0	4.0
72.5°	4.0	4.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	2.6	2.6	2.6	2.6	2.6	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.6	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: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	580.5	574.0	570.6	577.2	579.9	576.6	574.0	569.4	574.0	576.6	579.9
5°	588.5	582.5	579.9	584.5	588.5	585.1	583.2	578.6	583.2	585.1	588.5
7.5°	595.8	589.8	586.5	591.1	595.8	591.1	589.1	585.1	589.1	591.1	595.8
10°	598.4	591.8	589.1	593.1	597.8	593.1	590.5	587.9	590.5	593.1	597.8
12.5°	603.0	596.4	593.1	596.4	601.0	596.4	593.8	591.8	593.8	596.4	601.0
15°	609.6	603.6	599.8	603.0	608.9	603.6	600.4	599.8	600.4	603.6	608.9
17.5°	609.6	605.0	601.0	603.6	609.6	605.6	601.0	602.4	601.0	605.6	609.6
20°	601.0	596.4	593.1	593.1	601.6	596.4	592.4	594.4	592.4	596.4	601.6
22.5°	585.9	581.9	578.6	577.9	586.5	581.9	576.6	580.5	576.6	581.9	586.5
25°	566.0	562.1	559.5	558.1	566.8	561.4	556.8	560.8	556.8	561.4	566.8
27.5°	540.4	537.0	534.4	532.4	540.4	535.8	531.1	535.0	531.1	535.8	540.4
30°	507.4	505.4	502.8	500.1	508.0	503.4	498.8	504.0	498.8	503.4	508.0
32.5°	469.1	467.8	464.5	461.8	469.8	464.5	461.1	465.1	461.1	464.5	469.8
35°	424.9	422.9	420.9	416.2	424.9	420.2	420.2	421.6	420.2	420.2	424.9
37.5°	375.4	374.1	371.4	367.5	374.8	371.4	370.1	374.1	370.1	371.4	374.8
40°	320.0	319.2	317.4	312.8	320.6	317.4	315.4	320.6	315.4	317.4	320.6
42.5°	261.9	260.6	258.6	258.0	261.9	259.2	261.2	261.2	261.2	259.2	261.9
45°	201.9	200.5	199.2	196.6	201.2	199.9	199.2	200.5	199.2	199.9	201.2
47.5°	146.5	145.1	143.9	141.9	146.5	144.5	144.5	145.8	144.5	144.5	146.5
50°	98.2	99.0	98.2	97.0	98.2	97.6	98.2	99.6	98.2	97.6	98.2
52.5°	65.4	65.4	64.0	63.4	64.6	64.0	66.0	64.6	66.0	64.0	64.6
55°	39.6	40.2	39.6	38.9	39.6	38.9	40.9	40.2	40.9	38.9	39.6
57.5°	22.4	22.4	23.1	22.4	23.8	23.1	23.1	23.1	23.1	23.1	23.8
60°	12.5	12.5	12.5	12.5	12.5	12.5	13.2	12.5	13.2	12.5	12.5
62.5°	8.6	8.6	8.6	7.9	8.6	7.9	8.6	8.6	8.6	7.9	8.6
65°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
67.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
70°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	577.2	570.6	574.0	580.5	571.4	579.2	574.6	566.8	566.8	572.6	574.0
5°	584.5	579.9	582.5	588.5	579.2	587.1	581.9	574.0	573.2	579.2	581.2
7.5°	591.1	586.5	589.8	595.8	585.9	593.8	589.1	580.5	579.2	585.1	587.1
10°	593.1	589.1	591.8	598.4	588.5	595.8	592.4	583.2	582.5	587.1	589.8
12.5°	596.4	593.1	596.4	603.0	593.1	600.4	597.0	587.9	586.5	592.4	594.4
15°	603.0	599.8	603.6	609.6	600.4	606.2	603.0	593.8	593.1	597.8	600.4
17.5°	603.6	601.0	605.0	609.6	600.4	606.2	603.6	593.8	593.1	598.4	600.4
20°	593.1	593.1	596.4	601.0	591.1	597.0	594.4	584.5	584.5	589.1	591.1
22.5°	577.9	578.6	581.9	585.9	576.0	581.9	579.2	569.4	570.0	574.0	576.6
25°	558.1	559.5	562.1	566.0	556.8	562.1	558.1	550.2	549.5	554.1	557.5
27.5°	532.4	534.4	537.0	540.4	531.8	535.8	533.0	525.1	524.5	529.1	532.4
30°	500.1	502.8	505.4	507.4	499.4	503.4	500.1	492.9	492.9	496.8	498.8
32.5°	461.8	464.5	467.8	469.1	461.1	465.8	463.1	455.2	455.2	459.1	463.1
35°	416.2	420.9	422.9	424.9	417.0	419.6	420.9	410.4	411.6	415.0	420.2
37.5°	367.5	371.4	374.1	375.4	368.1	370.8	371.4	362.2	363.5	366.1	372.1
40°	312.8	317.4	319.2	320.0	314.8	316.6	317.4	308.1	310.1	312.0	316.6
42.5°	258.0	258.6	260.6	261.9	257.2	258.0	259.2	250.8	253.4	254.0	258.6
45°	196.6	199.2	200.5	201.9	197.9	199.2	199.2	193.2	194.0	195.2	199.2
47.5°	141.9	143.9	145.1	146.5	143.1	144.5	144.5	138.5	140.5	141.1	143.9
50°	97.0	98.2	99.0	98.2	98.2	98.2	98.2	95.0	97.0	95.0	98.2
52.5°	63.4	64.0	65.4	65.4	63.4	64.6	64.6	62.0	62.6	62.6	64.6
55°	38.9	39.6	40.2	39.6	38.9	39.6	39.6	38.2	39.6	38.2	40.2
57.5°	22.4	23.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	21.8	23.1
60°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	13.2
62.5°	7.9	8.6	8.6	8.6	8.6	8.6	8.6	7.9	8.6	8.6	8.6
65°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.2
67.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.0
70°	4.0	4.0	4.0	4.0	4.0	4.0	4.6	4.6	4.0	4.6	4.6
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.4
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.6
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: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	573.2	568.0	568.0	562.1	567.4	568.0	561.4	559.5	566.8	558.8	562.8
5°	578.6	573.2	573.2	567.4	571.4	571.4	564.8	561.4	568.6	560.8	564.1
7.5°	585.1	579.2	577.9	572.0	575.2	576.0	568.0	563.4	570.6	561.4	564.8
10°	587.1	580.5	579.9	574.0	576.6	577.2	568.0	564.1	570.0	560.1	562.1
12.5°	591.8	584.5	584.5	578.6	580.5	580.5	571.4	566.0	571.4	561.4	562.8
15°	597.0	589.1	589.1	583.2	584.5	585.1	574.0	568.6	573.2	562.8	564.1
17.5°	597.0	588.5	588.5	583.2	583.9	583.2	572.6	566.8	570.0	558.8	559.5
20°	587.9	579.2	580.5	574.6	575.2	574.6	563.4	557.5	560.8	548.9	550.2
22.5°	572.6	564.8	566.0	560.8	560.8	560.1	549.5	543.6	546.9	535.0	535.8
25°	553.5	545.6	546.9	541.6	542.2	542.2	531.8	525.1	528.5	517.9	517.9
27.5°	528.5	520.5	522.5	519.2	517.2	517.9	508.6	502.0	505.4	495.5	495.5
30°	496.1	489.5	491.5	488.9	486.9	486.9	479.0	472.4	475.6	467.1	466.4
32.5°	457.9	452.6	454.5	452.6	450.6	452.6	444.0	437.4	440.8	434.1	434.8
35°	416.2	411.0	412.4	410.4	409.0	410.4	401.8	397.1	400.5	393.9	396.5
37.5°	370.1	360.9	364.9	363.5	362.2	362.9	354.9	351.6	355.6	351.6	353.6
40°	316.0	309.4	312.0	310.8	309.4	312.8	306.8	302.1	305.5	302.9	306.8
42.5°	257.2	252.0	255.4	254.6	252.6	256.6	252.0	248.8	254.0	252.6	256.0
45°	197.9	194.0	196.6	196.6	196.0	199.2	194.6	195.2	200.5	202.5	206.5
47.5°	143.1	137.2	140.5	142.5	142.5	145.8	143.1	145.8	151.8	155.8	159.0
50°	97.6	96.4	97.0	97.6	99.0	101.6	101.0	104.9	108.9	115.5	119.4
52.5°	64.6	63.4	64.6	65.4	66.6	69.2	69.2	73.9	78.5	84.5	89.1
55°	40.2	39.6	40.2	40.9	42.2	44.9	45.5	50.1	54.8	60.8	64.6
57.5°	23.1	23.8	23.8	25.1	25.8	27.8	29.8	32.4	37.6	43.5	47.5
60°	13.2	13.2	13.9	14.5	15.1	17.1	18.5	21.1	25.1	31.0	33.6
62.5°	8.6	8.6	9.2	9.2	9.9	11.2	12.5	15.1	18.5	23.1	25.8
65°	7.2	7.2	7.2	7.9	7.9	9.2	10.5	12.5	15.1	18.5	21.1
67.5°	6.0	6.0	6.0	6.6	6.6	7.2	8.6	9.9	11.9	14.5	16.5
70°	4.6	4.6	4.6	5.2	5.2	6.0	6.6	7.2	9.2	11.2	12.5
72.5°	3.2	3.2	4.0	4.0	4.0	4.6	5.2	6.0	7.2	8.6	9.2
75°	2.6	2.6	2.6	2.6	3.2	3.2	4.0	4.6	5.2	6.0	6.6
77.5°	1.4	1.4	2.0	2.0	2.0	2.6	2.6	3.2	4.0	4.6	4.6
80°	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.6	3.2	3.2
82.5°	0.6	0.6	0.6	0.6	0.6	1.4	1.4	1.4	2.0	2.0	2.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8	566.8
2.5°	558.1	560.1	560.1	558.1	552.9	557.5	562.1	557.5	563.4	552.9	552.9
5°	558.1	559.5	558.8	556.1	550.9	554.9	558.1	553.5	558.1	548.2	547.6
7.5°	559.5	558.1	556.8	553.5	546.9	549.5	552.9	547.6	552.2	541.6	540.4
10°	556.8	554.9	552.2	547.6	540.4	542.2	544.2	539.6	543.0	532.4	531.8
12.5°	556.8	553.5	549.5	544.2	536.4	537.6	539.6	533.8	536.4	526.5	525.1
15°	558.1	552.2	547.6	541.6	533.0	533.8	535.0	528.5	531.1	520.5	519.9
17.5°	553.5	546.9	542.2	535.0	525.8	526.5	526.5	519.9	521.9	511.2	510.6
20°	543.6	535.8	530.4	523.9	513.9	513.9	513.9	507.4	508.6	499.4	498.1
22.5°	529.8	521.1	515.9	509.2	500.1	499.4	498.8	493.5	493.5	484.9	482.9
25°	511.2	503.4	498.1	492.1	482.9	481.6	481.6	477.0	476.4	468.4	467.1
27.5°	490.1	481.0	476.4	471.0	462.5	461.1	460.5	457.9	456.5	448.0	447.2
30°	461.8	453.9	449.9	445.4	437.4	436.1	435.4	432.8	432.1	423.5	423.5
32.5°	431.5	421.6	418.9	414.2	408.4	407.8	408.4	405.1	402.4	396.5	395.1
35°	395.1	385.2	383.2	381.4	376.8	375.4	374.8	374.1	370.8	366.8	364.9
37.5°	353.0	344.4	344.4	343.8	340.4	340.4	340.4	339.1	335.8	334.5	330.5
40°	307.4	300.9	301.5	302.1	300.9	301.5	302.1	300.9	298.2	296.9	293.6
42.5°	258.6	255.4	258.0	259.9	259.9	261.9	263.2	263.2	259.9	259.2	256.6
45°	209.8	209.1	214.4	218.4	219.8	223.0	225.0	223.6	223.6	223.6	221.0
47.5°	164.2	166.9	171.5	179.5	182.1	186.0	187.4	189.4	188.6	189.4	187.4
50°	124.8	130.6	136.6	144.5	148.5	153.0	155.0	157.6	157.6	158.4	157.0
52.5°	94.4	99.0	108.9	114.1	118.8	123.4	126.0	128.6	129.2	129.2	128.0
55°	69.9	76.5	83.1	90.4	94.4	99.0	101.0	103.6	103.6	104.9	103.6
57.5°	50.8	57.4	64.6	69.9	74.5	77.9	79.9	81.8	83.1	83.1	82.5
60°	37.6	42.9	48.9	54.1	58.0	61.4	62.6	64.6	65.4	65.4	64.0
62.5°	28.4	33.6	38.9	43.5	46.1	48.9	50.1	51.5	51.5	51.5	50.8
65°	23.1	27.0	31.0	35.0	37.6	39.6	40.2	41.6	40.9	41.6	40.9
67.5°	18.5	21.1	24.4	27.0	29.0	30.4	31.0	32.4	31.6	32.4	31.6
70°	13.9	16.5	18.5	20.5	21.8	23.1	23.8	24.4	23.8	24.4	23.8
72.5°	10.5	11.9	13.9	15.9	16.5	17.1	17.9	17.9	17.9	18.5	17.9
75°	7.2	8.6	9.9	10.5	11.9	12.5	12.5	13.2	13.2	13.2	13.2
77.5°	5.2	6.0	6.6	7.2	7.9	8.6	8.6	9.2	9.2	9.2	9.2
80°	3.2	4.0	4.0	4.6	5.2	5.2	6.0	6.0	6.0	6.0	6.0
82.5°	2.0	2.6	2.6	3.2	3.2	3.2	4.0	4.0	4.0	4.0	4.0
85°	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.4	1.4	0.6	0.6
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: P212782

CATALOG NUMBER: LE_6B10D010 EC6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	566.8	566.8	566.8	566.8
2.5°	558.1	554.9	560.1	552.2
5°	552.2	548.9	555.5	545.6
7.5°	544.9	541.6	547.6	537.6
10°	535.8	532.4	537.6	527.1
12.5°	527.8	524.5	530.4	520.5
15°	521.9	518.5	523.9	514.6
17.5°	512.6	508.6	514.6	504.8
20°	499.4	496.8	501.4	491.5
22.5°	484.2	481.6	486.9	477.0
25°	468.4	465.1	470.4	460.5
27.5°	448.0	445.4	450.6	440.8
30°	423.5	420.9	426.1	417.0
32.5°	395.9	393.2	397.1	389.2
35°	364.1	362.2	366.1	357.6
37.5°	329.9	327.9	331.9	323.2
40°	292.9	291.0	294.2	290.2
42.5°	256.6	254.6	258.0	254.6
45°	221.0	219.8	223.0	219.8
47.5°	188.0	186.8	190.0	186.8
50°	156.4	157.0	158.4	157.0
52.5°	128.0	128.0	130.0	128.0
55°	103.6	104.2	104.9	103.6
57.5°	82.5	82.5	83.1	82.5
60°	64.0	64.6	64.6	64.0
62.5°	50.8	50.8	50.8	50.8
65°	40.2	40.2	40.9	40.2
67.5°	31.6	31.0	31.6	31.0
70°	23.8	23.8	23.8	23.8
72.5°	18.5	18.5	17.9	17.9
75°	13.2	13.9	13.2	13.2
77.5°	9.2	9.2	9.2	9.2
80°	6.0	6.0	6.0	6.0
82.5°	4.0	4.0	4.0	4.0
85°	2.6	2.0	2.0	2.0
87.5°	1.4	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)