

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: P212790

Luminaire Tested: **LE\_6B15D010 EC6B10209030 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212790  
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\_6B15D010 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: 1496.0 lumens  
Efficiency: N/A  
Efficacy: 103.9 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

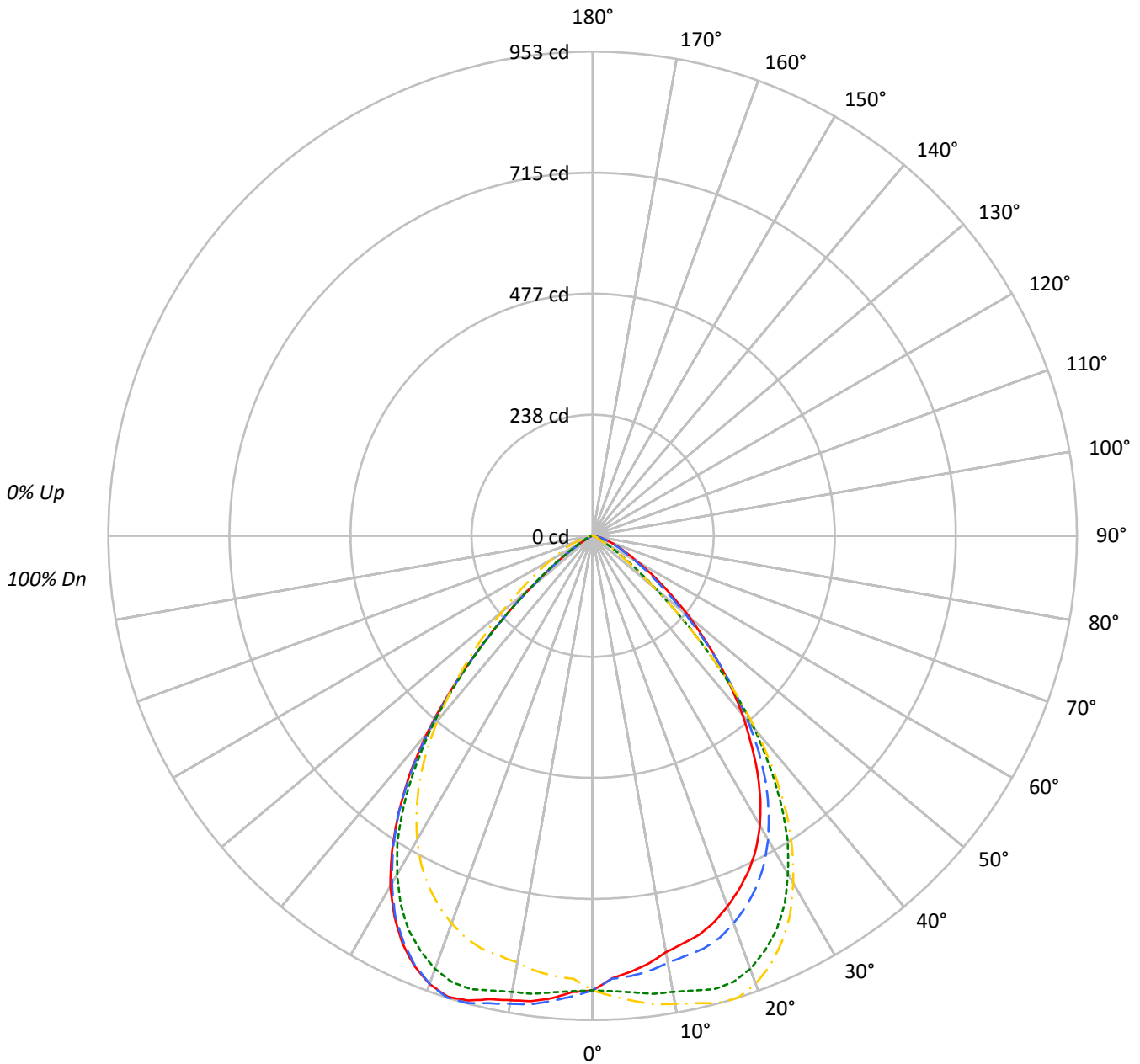
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	49053	49053	49053	49053
5°	47408	49637	50270	49637
10°	46325	50734	51663	50734
15°	46113	52435	53740	52435
20°	45271	52925	54751	52925
25°	43980	51789	53556	51789
30°	41677	48666	50381	48666
35°	37785	43359	44544	43359
40°	32804	35338	36225	35338
45°	26894	24390	24545	24390
50°	21142	13680	13407	13680
55°	15627	6776	6069	6776
60°	11074	2971	2171	2971
65°	8237	1894	1349	1894
70°	6011	1507	994	1507
75°	4427	1101	657	1101
80°	2968	979	316	979
85°	1950	629	629	629



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.7	5.7
10°-20°	253.7	17.0
20°-30°	378.6	25.3
30°-40°	389.0	26.0
40°-50°	251.9	16.8
50°-60°	93.7	6.3
60°-70°	30.7	2.1
70°-80°	10.8	0.7
80°-90°	1.9	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°	718.0	48.0
0°-40°	1106.9	74.0
0°-60°	1452.5	97.1
0°-90°	1496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	862	902	914	902	862	81
15°	812	924	947	924	812	229
25°	727	856	885	856	727	333
35°	565	648	666	648	565	351
45°	347	315	317	315	347	268
55°	164	71	64	71	164	149
65°	64	15	10	15	64	65
75°	21	5	3	5	21	23
85°	3	1	1	1	3	4
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°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	871.9	884.4	876.0	881.2	872.9	872.9	889.6	880.2	887.5	880.2	872.9
5°	861.5	877.1	866.6	871.9	864.6	865.6	881.2	874.0	881.2	876.0	869.8
7.5°	849.0	864.6	855.2	860.4	853.1	855.2	871.9	864.6	872.9	867.8	863.5
10°	832.2	849.0	840.6	845.9	839.6	840.6	857.2	852.1	859.4	856.2	853.1
12.5°	821.9	837.5	828.1	833.4	829.1	831.2	846.9	842.8	852.1	849.0	846.9
15°	812.5	827.1	818.8	824.0	820.9	821.9	838.5	834.4	844.8	842.8	841.6
17.5°	796.9	812.5	803.1	809.4	806.2	807.2	824.0	820.9	831.2	831.2	830.2
20°	776.0	791.6	784.4	788.5	786.5	788.5	803.1	801.0	811.5	811.5	811.5
22.5°	753.1	768.8	760.4	764.6	762.5	765.6	779.1	779.1	787.5	788.5	789.6
25°	727.1	742.8	734.4	739.6	737.5	739.6	752.1	753.1	760.4	760.4	762.5
27.5°	695.9	711.5	703.1	707.2	706.2	707.2	720.9	722.9	727.1	728.1	730.2
30°	658.4	672.9	664.6	668.8	668.8	668.8	682.2	683.4	687.5	688.5	690.6
32.5°	614.6	627.1	620.9	625.0	624.0	626.0	635.4	639.6	644.8	643.8	644.8
35°	564.6	578.1	571.9	575.0	576.0	579.1	585.4	590.6	591.6	592.8	594.8
37.5°	510.4	524.0	517.8	520.9	521.9	528.1	530.2	535.4	537.5	537.5	537.5
40°	458.4	464.6	459.4	462.5	463.5	468.8	470.9	475.0	477.1	476.0	475.0
42.5°	402.1	407.2	402.1	405.2	405.2	409.4	410.4	415.6	415.6	413.5	410.4
45°	346.9	352.1	346.9	349.0	349.0	353.1	353.1	353.1	355.2	352.1	346.9
47.5°	294.8	300.0	294.8	296.9	295.9	299.0	297.9	299.0	295.9	293.8	287.5
50°	247.9	250.0	247.9	246.9	247.9	250.0	249.0	249.0	244.8	241.6	234.4
52.5°	202.1	205.2	202.1	202.1	202.1	204.1	204.1	203.1	199.0	194.8	187.5
55°	163.5	165.6	164.6	163.5	163.5	165.6	163.5	163.5	159.4	156.2	149.0
57.5°	130.2	131.2	130.2	130.2	130.2	131.2	131.2	129.1	126.0	122.9	117.8
60°	101.0	102.1	102.1	101.0	101.0	103.1	103.1	102.1	99.0	96.9	91.6
62.5°	80.2	80.2	80.2	80.2	80.2	81.2	81.2	81.2	79.1	77.1	72.9
65°	63.5	64.6	63.5	63.5	64.6	65.6	64.6	65.6	63.5	62.5	59.4
67.5°	49.0	50.0	49.0	50.0	50.0	51.0	50.0	51.0	49.0	47.9	45.9
70°	37.5	37.5	37.5	37.5	37.5	38.5	37.5	38.5	37.5	36.5	34.4
72.5°	28.1	28.1	29.1	29.1	28.1	29.1	28.1	28.1	28.1	27.1	26.0
75°	20.9	20.9	21.9	20.9	20.9	20.9	20.9	20.9	19.8	19.8	18.8
77.5°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	13.5	13.5	12.5
80°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	8.4	8.4
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.2	5.2
85°	3.1	3.1	3.1	4.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	1.0	1.0	1.0	2.1	1.0	1.0	2.1	2.1	1.0	1.0	1.0
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):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	881.2	884.4	884.4	881.2	888.5	882.2	894.8	883.4	886.5	896.9	895.8
5°	878.1	882.2	883.4	881.2	890.6	885.4	897.9	886.5	891.6	902.0	902.0
7.5°	874.0	879.1	881.2	883.4	891.6	886.5	901.0	889.6	896.9	909.4	908.2
10°	864.6	871.9	876.0	879.1	887.5	884.4	900.0	890.6	896.9	911.4	910.4
12.5°	859.4	867.8	874.0	879.1	888.5	886.5	902.0	893.8	902.0	916.6	916.6
15°	855.2	864.6	871.9	881.2	890.6	888.5	905.1	897.9	906.2	923.9	922.9
17.5°	844.8	856.2	863.5	874.0	883.4	882.2	900.0	894.8	904.1	920.8	921.9
20°	827.1	837.5	845.9	858.4	868.8	866.6	885.4	880.2	889.6	907.2	908.2
22.5°	804.1	814.6	822.9	836.5	845.9	844.8	863.5	858.4	867.8	884.4	885.4
25°	777.1	786.5	794.8	807.2	817.8	817.8	834.4	829.1	839.6	856.2	856.2
27.5°	743.8	752.1	759.4	774.0	782.2	782.2	797.9	792.8	803.1	817.8	816.6
30°	703.1	710.4	716.6	729.1	736.5	737.5	751.0	745.9	756.2	768.8	768.8
32.5°	654.1	661.5	665.6	681.2	686.5	685.4	695.9	690.6	701.0	714.6	711.5
35°	602.1	605.2	608.4	624.0	626.0	621.9	632.2	627.1	634.4	647.9	645.9
37.5°	542.8	543.8	543.8	557.2	558.4	555.2	561.5	555.2	560.4	572.9	571.9
40°	477.1	476.0	475.0	485.4	484.4	478.1	482.2	477.1	484.4	493.8	488.5
42.5°	410.4	407.2	403.1	408.4	404.1	399.0	401.0	392.8	397.9	405.2	399.0
45°	344.8	338.5	330.2	331.2	326.0	319.8	316.6	308.4	307.2	314.6	309.4
47.5°	283.4	270.9	263.5	259.4	251.0	245.9	239.6	230.2	226.0	230.2	225.0
50°	228.1	215.6	206.2	196.9	188.5	182.2	171.9	165.6	159.4	160.4	156.2
52.5°	180.2	171.9	156.2	149.0	140.6	133.4	124.0	116.6	109.4	109.4	105.2
55°	142.8	131.2	120.9	110.4	102.1	95.9	86.5	79.1	71.9	70.9	66.6
57.5°	110.4	102.1	90.6	80.2	75.0	68.8	59.4	51.0	46.9	43.8	40.6
60°	85.4	77.1	67.8	59.4	53.1	49.0	39.6	33.4	29.1	27.1	24.0
62.5°	68.8	61.5	53.1	44.8	40.6	36.5	29.1	24.0	19.8	17.8	15.6
65°	55.2	49.0	42.8	36.5	33.4	29.1	24.0	19.8	16.6	14.6	12.5
67.5°	42.8	38.5	33.4	29.1	26.0	22.9	18.8	15.6	13.5	11.5	10.4
70°	32.2	29.1	26.0	21.9	19.8	17.8	14.6	11.5	10.4	9.4	8.4
72.5°	25.0	21.9	18.8	16.6	14.6	13.5	11.5	9.4	8.4	7.2	6.2
75°	16.6	15.6	13.5	11.5	10.4	9.4	8.4	7.2	6.2	5.2	5.2
77.5°	11.5	10.4	9.4	8.4	7.2	7.2	6.2	5.2	4.1	4.1	3.1
80°	7.2	6.2	6.2	5.2	5.2	5.2	4.1	3.1	3.1	3.1	2.1
82.5°	5.2	4.1	4.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	1.0
85°	3.1	2.1	2.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	887.5	896.9	896.9	905.1	906.2	904.1	894.8	894.8	907.2	914.5	902.0
5°	895.8	905.1	905.1	913.5	917.6	914.5	905.1	906.2	918.8	927.0	914.5
7.5°	903.1	912.5	914.5	923.9	927.0	923.9	914.5	916.6	930.1	937.5	925.0
10°	906.2	915.6	916.6	927.0	931.2	927.0	919.8	920.8	935.4	940.6	929.1
12.5°	913.5	922.9	922.9	934.4	938.5	935.4	926.0	928.1	942.6	947.9	936.4
15°	920.8	930.1	930.1	942.6	947.9	943.8	936.4	937.5	952.0	957.2	947.9
17.5°	920.8	929.1	929.1	942.6	947.9	944.8	936.4	937.5	953.1	957.2	947.9
20°	907.2	916.6	914.5	928.1	933.2	930.1	922.9	922.9	938.5	942.6	933.2
22.5°	885.4	893.8	891.6	904.1	910.4	906.2	900.0	898.9	914.5	918.8	909.4
25°	855.2	863.5	861.5	874.0	880.2	875.0	867.8	868.8	881.2	887.5	879.1
27.5°	819.8	825.0	821.9	834.4	840.6	835.4	828.1	829.1	841.6	845.9	839.6
30°	771.9	776.0	772.9	783.4	787.5	784.4	778.1	778.1	789.6	794.8	788.5
32.5°	714.6	717.8	714.6	722.9	731.2	725.0	718.8	718.8	731.2	735.4	728.1
35°	647.9	651.0	649.0	657.2	663.5	655.2	650.0	647.9	664.6	662.5	658.4
37.5°	574.0	576.0	569.8	584.4	587.5	578.1	574.0	571.9	586.5	585.4	581.2
40°	490.6	492.8	488.5	499.0	500.0	492.8	489.6	486.5	501.0	500.0	496.9
42.5°	402.1	403.1	397.9	406.2	408.4	401.0	400.0	395.9	409.4	407.2	406.2
45°	310.4	310.4	306.2	312.5	314.6	308.4	306.2	305.2	314.6	314.6	312.5
47.5°	225.0	221.9	216.6	226.0	227.1	222.9	221.9	218.8	228.1	228.1	226.0
50°	154.1	153.1	152.1	154.1	155.2	150.0	153.1	150.0	155.2	155.2	155.2
52.5°	103.1	102.1	100.0	102.1	102.1	99.0	99.0	97.9	102.1	102.1	100.0
55°	64.6	63.5	62.5	63.5	63.5	60.4	62.5	60.4	62.5	62.5	61.5
57.5°	39.6	37.5	37.5	36.5	36.5	34.4	35.4	35.4	35.4	35.4	35.4
60°	22.9	21.9	20.9	20.9	20.9	19.8	19.8	19.8	19.8	19.8	19.8
62.5°	14.6	14.6	13.5	13.5	13.5	13.5	13.5	12.5	13.5	13.5	13.5
65°	12.5	11.5	11.5	11.5	11.5	10.4	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	9.4	9.4	9.4	9.4	8.4	8.4	8.4	8.4	8.4	8.4
70°	8.4	7.2	7.2	7.2	7.2	7.2	6.2	7.2	7.2	6.2	6.2
72.5°	6.2	6.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	4.1	4.1	4.1	4.1	4.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	3.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	1.0	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





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**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	916.6	906.2	901.0	911.4	915.6	910.4	906.2	898.9	906.2	910.4	915.6
5°	929.1	919.8	915.6	922.9	929.1	923.9	920.8	913.5	920.8	923.9	929.1
7.5°	940.6	931.2	926.0	933.2	940.6	933.2	930.1	923.9	930.1	933.2	940.6
10°	944.8	934.4	930.1	936.4	943.8	936.4	932.2	928.1	932.2	936.4	943.8
12.5°	952.0	941.6	936.4	941.6	948.9	941.6	937.5	934.4	937.5	941.6	948.9
15°	962.5	953.1	946.9	952.0	961.4	953.1	947.9	946.9	947.9	953.1	961.4
17.5°	962.5	955.1	948.9	953.1	962.5	956.2	948.9	951.0	948.9	956.2	962.5
20°	948.9	941.6	936.4	936.4	950.0	941.6	935.4	938.5	935.4	941.6	950.0
22.5°	925.0	918.8	913.5	912.5	926.0	918.8	910.4	916.6	910.4	918.8	926.0
25°	893.8	887.5	883.4	881.2	894.8	886.5	879.1	885.4	879.1	886.5	894.8
27.5°	853.1	847.9	843.8	840.6	853.1	845.9	838.5	844.8	838.5	845.9	853.1
30°	801.0	797.9	793.8	789.6	802.1	794.8	787.5	795.9	787.5	794.8	802.1
32.5°	740.6	738.5	733.4	729.1	741.6	733.4	728.1	734.4	728.1	733.4	741.6
35°	670.9	667.8	664.6	657.2	670.9	663.5	663.5	665.6	663.5	663.5	670.9
37.5°	592.8	590.6	586.5	580.2	591.6	586.5	584.4	590.6	584.4	586.5	591.6
40°	505.2	504.1	501.0	493.8	506.2	501.0	497.9	506.2	497.9	501.0	506.2
42.5°	413.5	411.5	408.4	407.2	413.5	409.4	412.5	412.5	412.5	409.4	413.5
45°	318.8	316.6	314.6	310.4	317.8	315.6	314.6	316.6	314.6	315.6	317.8
47.5°	231.2	229.1	227.1	224.0	231.2	228.1	228.1	230.2	228.1	228.1	231.2
50°	155.2	156.2	155.2	153.1	155.2	154.1	155.2	157.2	155.2	154.1	155.2
52.5°	103.1	103.1	101.0	100.0	102.1	101.0	104.1	102.1	104.1	101.0	102.1
55°	62.5	63.5	62.5	61.5	62.5	61.5	64.6	63.5	64.6	61.5	62.5
57.5°	35.4	35.4	36.5	35.4	37.5	36.5	36.5	36.5	36.5	36.5	37.5
60°	19.8	19.8	19.8	19.8	19.8	19.8	20.9	19.8	20.9	19.8	19.8
62.5°	13.5	13.5	13.5	12.5	13.5	12.5	13.5	13.5	13.5	12.5	13.5
65°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
67.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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: P212790

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**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	911.4	901.0	906.2	916.6	902.0	914.5	907.2	894.8	894.8	904.1	906.2
5°	922.9	915.6	919.8	929.1	914.5	927.0	918.8	906.2	905.1	914.5	917.6
7.5°	933.2	926.0	931.2	940.6	925.0	937.5	930.1	916.6	914.5	923.9	927.0
10°	936.4	930.1	934.4	944.8	929.1	940.6	935.4	920.8	919.8	927.0	931.2
12.5°	941.6	936.4	941.6	952.0	936.4	947.9	942.6	928.1	926.0	935.4	938.5
15°	952.0	946.9	953.1	962.5	947.9	957.2	952.0	937.5	936.4	943.8	947.9
17.5°	953.1	948.9	955.1	962.5	947.9	957.2	953.1	937.5	936.4	944.8	947.9
20°	936.4	936.4	941.6	948.9	933.2	942.6	938.5	922.9	922.9	930.1	933.2
22.5°	912.5	913.5	918.8	925.0	909.4	918.8	914.5	898.9	900.0	906.2	910.4
25°	881.2	883.4	887.5	893.8	879.1	887.5	881.2	868.8	867.8	875.0	880.2
27.5°	840.6	843.8	847.9	853.1	839.6	845.9	841.6	829.1	828.1	835.4	840.6
30°	789.6	793.8	797.9	801.0	788.5	794.8	789.6	778.1	778.1	784.4	787.5
32.5°	729.1	733.4	738.5	740.6	728.1	735.4	731.2	718.8	718.8	725.0	731.2
35°	657.2	664.6	667.8	670.9	658.4	662.5	664.6	647.9	650.0	655.2	663.5
37.5°	580.2	586.5	590.6	592.8	581.2	585.4	586.5	571.9	574.0	578.1	587.5
40°	493.8	501.0	504.1	505.2	496.9	500.0	501.0	486.5	489.6	492.8	500.0
42.5°	407.2	408.4	411.5	413.5	406.2	407.2	409.4	395.9	400.0	401.0	408.4
45°	310.4	314.6	316.6	318.8	312.5	314.6	314.6	305.2	306.2	308.4	314.6
47.5°	224.0	227.1	229.1	231.2	226.0	228.1	228.1	218.8	221.9	222.9	227.1
50°	153.1	155.2	156.2	155.2	155.2	155.2	155.2	150.0	153.1	150.0	155.2
52.5°	100.0	101.0	103.1	103.1	100.0	102.1	102.1	97.9	99.0	99.0	102.1
55°	61.5	62.5	63.5	62.5	61.5	62.5	62.5	60.4	62.5	60.4	63.5
57.5°	35.4	36.5	35.4	35.4	35.4	35.4	35.4	35.4	35.4	34.4	36.5
60°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	20.9
62.5°	12.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5	13.5	13.5	13.5
65°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.5
67.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	9.4
70°	6.2	6.2	6.2	6.2	6.2	6.2	7.2	7.2	6.2	7.2	7.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
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):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	905.1	896.9	896.9	887.5	895.8	896.9	886.5	883.4	894.8	882.2	888.5
5°	913.5	905.1	905.1	895.8	902.0	902.0	891.6	886.5	897.9	885.4	890.6
7.5°	923.9	914.5	912.5	903.1	908.2	909.4	896.9	889.6	901.0	886.5	891.6
10°	927.0	916.6	915.6	906.2	910.4	911.4	896.9	890.6	900.0	884.4	887.5
12.5°	934.4	922.9	922.9	913.5	916.6	916.6	902.0	893.8	902.0	886.5	888.5
15°	942.6	930.1	930.1	920.8	922.9	923.9	906.2	897.9	905.1	888.5	890.6
17.5°	942.6	929.1	929.1	920.8	921.9	920.8	904.1	894.8	900.0	882.2	883.4
20°	928.1	914.5	916.6	907.2	908.2	907.2	889.6	880.2	885.4	866.6	868.8
22.5°	904.1	891.6	893.8	885.4	885.4	884.4	867.8	858.4	863.5	844.8	845.9
25°	874.0	861.5	863.5	855.2	856.2	856.2	839.6	829.1	834.4	817.8	817.8
27.5°	834.4	821.9	825.0	819.8	816.6	817.8	803.1	792.8	797.9	782.2	782.2
30°	783.4	772.9	776.0	771.9	768.8	768.8	756.2	745.9	751.0	737.5	736.5
32.5°	722.9	714.6	717.8	714.6	711.5	714.6	701.0	690.6	695.9	685.4	686.5
35°	657.2	649.0	651.0	647.9	645.9	647.9	634.4	627.1	632.2	621.9	626.0
37.5°	584.4	569.8	576.0	574.0	571.9	572.9	560.4	555.2	561.5	555.2	558.4
40°	499.0	488.5	492.8	490.6	488.5	493.8	484.4	477.1	482.2	478.1	484.4
42.5°	406.2	397.9	403.1	402.1	399.0	405.2	397.9	392.8	401.0	399.0	404.1
45°	312.5	306.2	310.4	310.4	309.4	314.6	307.2	308.4	316.6	319.8	326.0
47.5°	226.0	216.6	221.9	225.0	225.0	230.2	226.0	230.2	239.6	245.9	251.0
50°	154.1	152.1	153.1	154.1	156.2	160.4	159.4	165.6	171.9	182.2	188.5
52.5°	102.1	100.0	102.1	103.1	105.2	109.4	109.4	116.6	124.0	133.4	140.6
55°	63.5	62.5	63.5	64.6	66.6	70.9	71.9	79.1	86.5	95.9	102.1
57.5°	36.5	37.5	37.5	39.6	40.6	43.8	46.9	51.0	59.4	68.8	75.0
60°	20.9	20.9	21.9	22.9	24.0	27.1	29.1	33.4	39.6	49.0	53.1
62.5°	13.5	13.5	14.6	14.6	15.6	17.8	19.8	24.0	29.1	36.5	40.6
65°	11.5	11.5	11.5	12.5	12.5	14.6	16.6	19.8	24.0	29.1	33.4
67.5°	9.4	9.4	9.4	10.4	10.4	11.5	13.5	15.6	18.8	22.9	26.0
70°	7.2	7.2	7.2	8.4	8.4	9.4	10.4	11.5	14.6	17.8	19.8
72.5°	5.2	5.2	6.2	6.2	6.2	7.2	8.4	9.4	11.5	13.5	14.6
75°	4.1	4.1	4.1	4.1	5.2	5.2	6.2	7.2	8.4	9.4	10.4
77.5°	2.1	2.1	3.1	3.1	3.1	4.1	4.1	5.2	6.2	7.2	7.2
80°	2.1	2.1	2.1	2.1	2.1	3.1	3.1	3.1	4.1	5.2	5.2
82.5°	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1	3.1	3.1	3.1
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
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: P212790

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**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	881.2	884.4	884.4	881.2	872.9	880.2	887.5	880.2	889.6	872.9	872.9
5°	881.2	883.4	882.2	878.1	869.8	876.0	881.2	874.0	881.2	865.6	864.6
7.5°	883.4	881.2	879.1	874.0	863.5	867.8	872.9	864.6	871.9	855.2	853.1
10°	879.1	876.0	871.9	864.6	853.1	856.2	859.4	852.1	857.2	840.6	839.6
12.5°	879.1	874.0	867.8	859.4	846.9	849.0	852.1	842.8	846.9	831.2	829.1
15°	881.2	871.9	864.6	855.2	841.6	842.8	844.8	834.4	838.5	821.9	820.9
17.5°	874.0	863.5	856.2	844.8	830.2	831.2	831.2	820.9	824.0	807.2	806.2
20°	858.4	845.9	837.5	827.1	811.5	811.5	811.5	801.0	803.1	788.5	786.5
22.5°	836.5	822.9	814.6	804.1	789.6	788.5	787.5	779.1	779.1	765.6	762.5
25°	807.2	794.8	786.5	777.1	762.5	760.4	760.4	753.1	752.1	739.6	737.5
27.5°	774.0	759.4	752.1	743.8	730.2	728.1	727.1	722.9	720.9	707.2	706.2
30°	729.1	716.6	710.4	703.1	690.6	688.5	687.5	683.4	682.2	668.8	668.8
32.5°	681.2	665.6	661.5	654.1	644.8	643.8	644.8	639.6	635.4	626.0	624.0
35°	624.0	608.4	605.2	602.1	594.8	592.8	591.6	590.6	585.4	579.1	576.0
37.5°	557.2	543.8	543.8	542.8	537.5	537.5	537.5	535.4	530.2	528.1	521.9
40°	485.4	475.0	476.0	477.1	475.0	476.0	477.1	475.0	470.9	468.8	463.5
42.5°	408.4	403.1	407.2	410.4	410.4	413.5	415.6	415.6	410.4	409.4	405.2
45°	331.2	330.2	338.5	344.8	346.9	352.1	355.2	353.1	353.1	353.1	349.0
47.5°	259.4	263.5	270.9	283.4	287.5	293.8	295.9	299.0	297.9	299.0	295.9
50°	196.9	206.2	215.6	228.1	234.4	241.6	244.8	249.0	249.0	250.0	247.9
52.5°	149.0	156.2	171.9	180.2	187.5	194.8	199.0	203.1	204.1	204.1	202.1
55°	110.4	120.9	131.2	142.8	149.0	156.2	159.4	163.5	163.5	165.6	163.5
57.5°	80.2	90.6	102.1	110.4	117.8	122.9	126.0	129.1	131.2	131.2	130.2
60°	59.4	67.8	77.1	85.4	91.6	96.9	99.0	102.1	103.1	103.1	101.0
62.5°	44.8	53.1	61.5	68.8	72.9	77.1	79.1	81.2	81.2	81.2	80.2
65°	36.5	42.8	49.0	55.2	59.4	62.5	63.5	65.6	64.6	65.6	64.6
67.5°	29.1	33.4	38.5	42.8	45.9	47.9	49.0	51.0	50.0	51.0	50.0
70°	21.9	26.0	29.1	32.2	34.4	36.5	37.5	38.5	37.5	38.5	37.5
72.5°	16.6	18.8	21.9	25.0	26.0	27.1	28.1	28.1	28.1	29.1	28.1
75°	11.5	13.5	15.6	16.6	18.8	19.8	19.8	20.9	20.9	20.9	20.9
77.5°	8.4	9.4	10.4	11.5	12.5	13.5	13.5	14.6	14.6	14.6	14.6
80°	5.2	6.2	6.2	7.2	8.4	8.4	9.4	9.4	9.4	9.4	9.4
82.5°	3.1	4.1	4.1	5.2	5.2	5.2	6.2	6.2	6.2	6.2	6.2
85°	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	1.0	1.0
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: P212790

CATALOG NUMBER: LE\_6B15D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	894.8	894.8	894.8	894.8
2.5°	881.2	876.0	884.4	871.9
5°	871.9	866.6	877.1	861.5
7.5°	860.4	855.2	864.6	849.0
10°	845.9	840.6	849.0	832.2
12.5°	833.4	828.1	837.5	821.9
15°	<i>824.0</i>	<i>818.8</i>	<i>827.1</i>	<i>812.5</i>
17.5°	809.4	803.1	812.5	796.9
20°	788.5	784.4	791.6	776.0
22.5°	764.6	760.4	768.8	753.1
25°	739.6	734.4	742.8	727.1
27.5°	707.2	703.1	711.5	695.9
30°	668.8	664.6	672.9	658.4
32.5°	625.0	620.9	627.1	614.6
35°	575.0	571.9	578.1	564.6
37.5°	520.9	517.8	524.0	510.4
40°	462.5	459.4	464.6	458.4
42.5°	405.2	402.1	407.2	402.1
45°	349.0	346.9	352.1	346.9
47.5°	296.9	294.8	300.0	294.8
50°	246.9	247.9	250.0	247.9
52.5°	202.1	202.1	205.2	202.1
55°	163.5	164.6	165.6	163.5
57.5°	130.2	130.2	131.2	130.2
60°	101.0	102.1	102.1	101.0
62.5°	80.2	80.2	80.2	80.2
65°	63.5	63.5	64.6	63.5
67.5°	50.0	49.0	50.0	49.0
70°	37.5	37.5	37.5	37.5
72.5°	29.1	29.1	28.1	28.1
75°	20.9	21.9	20.9	20.9
77.5°	14.6	14.6	14.6	14.6
80°	9.4	9.4	9.4	9.4
82.5°	6.2	6.2	6.2	6.2
85°	4.1	3.1	3.1	3.1
87.5°	2.1	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)