

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: P212801

Luminaire Tested: **LE\_6B20D010 EC6B10209024 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212801  
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\_6B20D010 EC6B10209024 6LBSWL11  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1758.7 lumens  
Efficiency: N/A  
Efficacy: 84.6 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

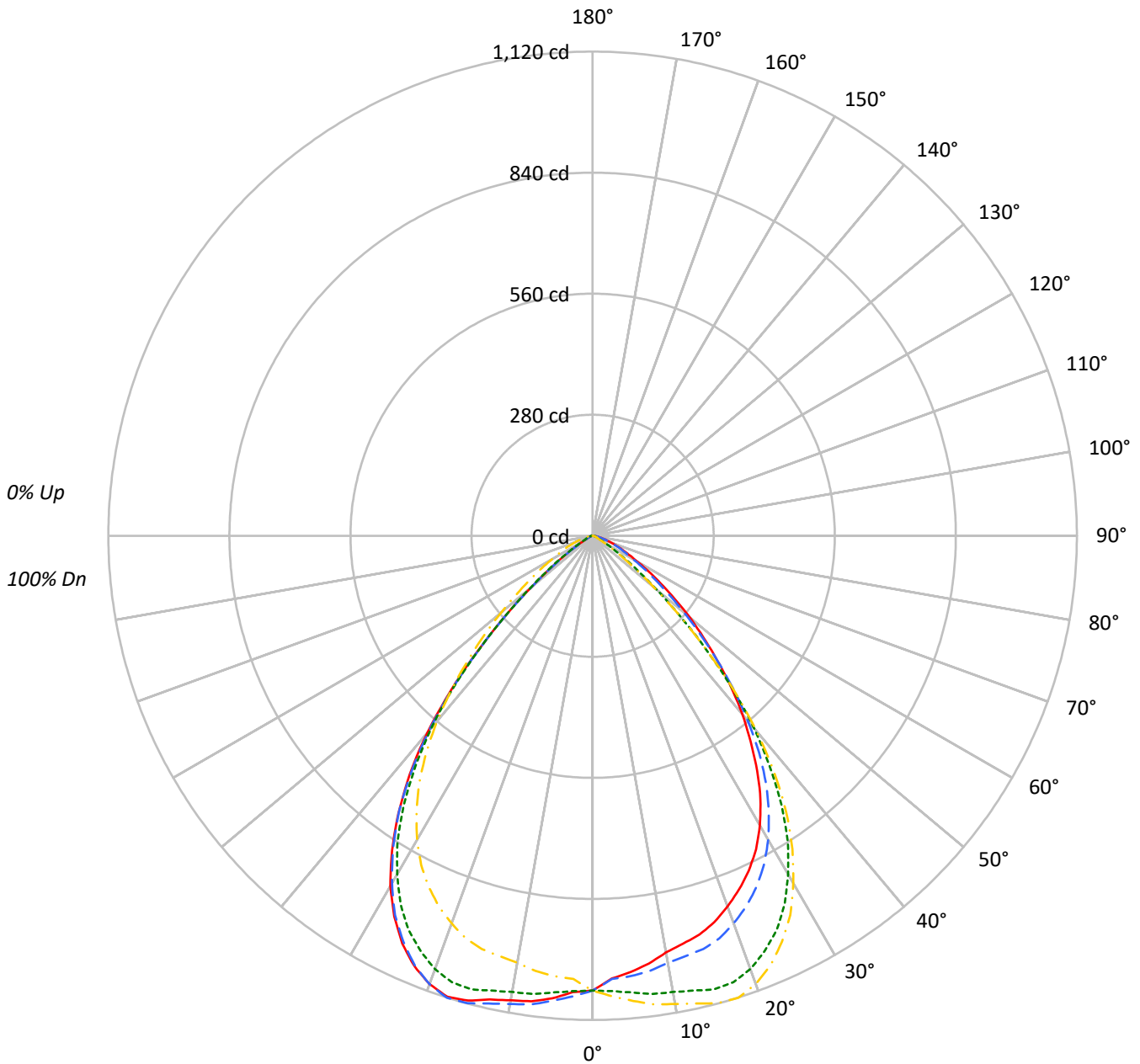
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	57665	57665	57665	57665
5°	55734	58359	59102	58359
10°	54469	59646	60737	59646
15°	54206	61646	63173	61646
20°	53228	62224	64371	62224
25°	51705	60887	62961	60887
30°	48989	57211	59224	57211
35°	44424	50982	52367	50982
40°	38565	41542	42587	41542
45°	31616	28677	28856	28677
50°	24861	16085	15769	16085
55°	18370	7952	7149	7952
60°	13025	3498	2544	3498
65°	9703	2218	1583	2218
70°	7069	1763	1186	1763
75°	5189	1292	763	1292
80°	3473	1137	379	1137
85°	2264	755	755	755



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.7	5.7
10°-20°	298.2	17.0
20°-30°	445.1	25.3
30°-40°	457.3	26.0
40°-50°	296.1	16.8
50°-60°	110.1	6.3
60°-70°	36.1	2.1
70°-80°	12.7	0.7
80°-90°	2.3	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°	844.0	48.0
0°-40°	1301.3	74.0
0°-60°	1707.6	97.1
0°-90°	1758.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1758.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1052	1052	1052	1052	1052	
5°	1013	1060	1074	1060	1013	96
15°	955	1086	1113	1086	955	269
25°	855	1007	1041	1007	855	392
35°	664	762	782	762	664	412
45°	408	370	372	370	408	315
55°	192	83	75	83	192	175
65°	75	17	12	17	75	76
75°	24	6	4	6	24	27
85°	4	1	1	1	4	5
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°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1025.0	1039.6	1029.9	1036.0	1026.2	1026.2	1045.8	1034.8	1043.4	1034.8	1026.2
5°	1012.8	1031.1	1018.9	1025.0	1016.4	1017.6	1036.0	1027.4	1036.0	1029.9	1022.5
7.5°	998.0	1016.4	1005.4	1011.5	1002.9	1005.4	1025.0	1016.4	1026.2	1020.1	1015.1
10°	978.5	998.0	988.2	994.4	987.0	988.2	1007.9	1001.8	1010.2	1006.6	1002.9
12.5°	966.2	984.6	973.5	979.6	974.8	977.2	995.6	990.6	1001.8	998.0	995.6
15°	955.1	972.4	962.5	968.6	965.0	966.2	985.8	980.9	993.1	990.6	989.5
17.5°	936.8	955.1	944.1	951.5	947.9	949.0	968.6	965.0	977.2	977.2	976.0
20°	912.4	930.6	922.1	927.0	924.5	927.0	944.1	941.8	954.0	954.0	954.0
22.5°	885.4	903.8	894.0	898.9	896.4	900.1	916.0	916.0	925.8	927.0	928.2
25°	854.8	873.1	863.4	869.5	867.0	869.5	884.1	885.4	894.0	894.0	896.4
27.5°	818.0	836.4	826.6	831.5	830.2	831.5	847.4	849.9	854.8	856.0	858.4
30°	773.9	791.1	781.2	786.1	786.1	786.1	802.1	803.4	808.2	809.5	811.9
32.5°	722.5	737.2	729.9	734.8	733.5	736.0	747.0	751.9	758.0	756.8	758.0
35°	663.8	679.6	672.2	676.0	677.2	680.9	688.2	694.4	695.6	696.8	699.2
37.5°	600.0	616.0	608.6	612.2	613.5	620.9	623.2	629.4	631.9	631.9	631.9
40°	538.9	546.1	540.0	543.8	545.0	551.0	553.5	558.4	560.9	559.6	558.4
42.5°	472.8	478.8	472.8	476.4	476.4	481.2	482.5	488.6	488.6	486.1	482.5
45°	407.8	413.9	407.8	410.2	410.2	415.1	415.1	415.1	417.6	413.9	407.8
47.5°	346.5	352.6	346.5	349.0	347.8	351.5	350.2	351.5	347.8	345.4	338.0
50°	291.5	293.9	291.5	290.2	291.5	293.9	292.6	292.6	287.8	284.1	275.5
52.5°	237.6	241.2	237.6	237.6	237.6	240.0	240.0	238.8	233.9	229.0	220.4
55°	192.2	194.8	193.5	192.2	192.2	194.8	192.2	192.2	187.4	183.6	175.1
57.5°	153.1	154.2	153.1	153.1	153.1	154.2	154.2	151.9	148.1	144.5	138.4
60°	118.8	120.0	120.0	118.8	118.8	121.2	121.2	120.0	116.4	113.9	107.8
62.5°	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	93.1	90.6	85.8
65°	74.8	75.9	74.8	74.8	75.9	77.1	75.9	77.1	74.8	73.5	69.8
67.5°	57.5	58.8	57.5	58.8	58.8	60.0	58.8	60.0	57.5	56.4	53.9
70°	44.1	44.1	44.1	44.1	44.1	45.2	44.1	45.2	44.1	42.9	40.4
72.5°	33.1	33.1	34.2	34.2	33.1	34.2	33.1	33.1	33.1	31.9	30.6
75°	24.5	24.5	25.8	24.5	24.5	24.5	24.5	24.5	23.2	23.2	22.0
77.5°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	15.9	15.9	14.8
80°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	9.8	9.8
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.1	6.1
85°	3.6	3.6	3.6	4.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.2	1.2	1.2	2.5	1.2	1.2	2.5	2.5	1.2	1.2	1.2
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°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1036.0	1039.6	1039.6	1036.0	1044.6	1037.2	1051.9	1038.5	1042.1	1054.4	1053.1
5°	1032.4	1037.2	1038.5	1036.0	1047.0	1040.9	1055.6	1042.1	1048.2	1060.5	1060.5
7.5°	1027.4	1033.5	1036.0	1038.5	1048.2	1042.1	1059.2	1045.8	1054.4	1069.0	1067.9
10°	1016.4	1025.0	1029.9	1033.5	1043.4	1039.6	1058.0	1047.0	1054.4	1071.5	1070.2
12.5°	1010.2	1020.1	1027.4	1033.5	1044.6	1042.1	1060.5	1050.8	1060.5	1077.6	1077.6
15°	1005.4	1016.4	1025.0	1036.0	1047.0	1044.6	1064.1	1055.6	1065.4	1086.2	1085.0
17.5°	993.1	1006.6	1015.1	1027.4	1038.5	1037.2	1058.0	1051.9	1063.0	1082.5	1083.8
20°	972.4	984.6	994.4	1009.0	1021.2	1018.9	1040.9	1034.8	1045.8	1066.6	1067.9
22.5°	945.4	957.6	967.4	983.4	994.4	993.1	1015.1	1009.0	1020.1	1039.6	1040.9
25°	913.5	924.5	934.4	949.0	961.2	961.2	980.9	974.8	987.0	1006.6	1006.6
27.5°	874.4	884.1	892.8	909.9	919.6	919.6	938.0	931.9	944.1	961.2	960.1
30°	826.6	835.1	842.5	857.2	865.8	867.0	882.9	876.8	889.0	903.8	903.8
32.5°	769.0	777.6	782.5	800.9	807.0	805.8	818.0	811.9	824.1	840.1	836.4
35°	707.8	711.5	715.1	733.5	736.0	731.1	743.4	737.2	745.8	761.8	759.2
37.5°	638.0	639.2	639.2	655.1	656.4	652.8	660.0	652.8	658.9	673.5	672.2
40°	560.9	559.6	558.4	570.6	569.4	562.1	567.0	560.9	569.4	580.5	574.4
42.5°	482.5	478.8	473.9	480.0	475.1	469.0	471.5	461.6	467.8	476.4	469.0
45°	405.4	398.0	388.2	389.4	383.2	376.0	372.2	362.5	361.2	369.9	363.8
47.5°	333.1	318.4	309.9	304.9	295.1	289.0	281.6	270.6	265.8	270.6	264.5
50°	268.1	253.5	242.5	231.5	221.6	214.2	202.0	194.8	187.4	188.6	183.6
52.5°	211.9	202.0	183.6	175.1	165.4	156.8	145.8	137.1	128.6	128.6	123.6
55°	167.8	154.2	142.0	129.8	120.0	112.6	101.6	93.1	84.5	83.2	78.4
57.5°	129.8	120.0	106.5	94.2	88.1	80.9	69.8	60.0	55.1	51.4	47.8
60°	100.4	90.6	79.6	69.8	62.5	57.5	46.5	39.1	34.2	31.9	28.1
62.5°	80.9	72.2	62.5	52.6	47.8	42.9	34.2	28.1	23.2	20.9	18.4
65°	64.9	57.5	50.2	42.9	39.1	34.2	28.1	23.2	19.6	17.1	14.8
67.5°	50.2	45.2	39.1	34.2	30.6	27.0	22.0	18.4	15.9	13.5	12.2
70°	38.0	34.2	30.6	25.8	23.2	20.9	17.1	13.5	12.2	11.0	9.8
72.5°	29.4	25.8	22.0	19.6	17.1	15.9	13.5	11.0	9.8	8.6	7.4
75°	19.6	18.4	15.9	13.5	12.2	11.0	9.8	8.6	7.4	6.1	6.1
77.5°	13.5	12.2	11.0	9.8	8.6	8.6	7.4	6.1	4.9	4.9	3.6
80°	8.6	7.4	7.4	6.1	6.1	6.1	4.9	3.6	3.6	3.6	2.5
82.5°	6.1	4.9	4.9	3.6	3.6	3.6	3.6	2.5	2.5	2.5	1.2
85°	3.6	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1043.4	1054.4	1054.4	1064.1	1065.4	1063.0	1051.9	1051.9	1066.6	1075.1	1060.5
5°	1053.1	1064.1	1064.1	1074.0	1078.9	1075.1	1064.1	1065.4	1080.1	1089.9	1075.1
7.5°	1061.8	1072.8	1075.1	1086.2	1089.9	1086.2	1075.1	1077.6	1093.5	1102.1	1087.4
10°	1065.4	1076.4	1077.6	1089.9	1094.8	1089.9	1081.2	1082.5	1099.6	1105.8	1092.4
12.5°	1074.0	1085.0	1085.0	1098.5	1103.4	1099.6	1088.6	1091.1	1108.2	1114.4	1100.9
15°	1082.5	1093.5	1093.5	1108.2	1114.4	1109.5	1100.9	1102.1	1119.2	1125.4	1114.4
17.5°	1082.5	1092.4	1092.4	1108.2	1114.4	1110.8	1100.9	1102.1	1120.5	1125.4	1114.4
20°	1066.6	1077.6	1075.1	1091.1	1097.2	1093.5	1085.0	1085.0	1103.4	1108.2	1097.2
22.5°	1040.9	1050.8	1048.2	1063.0	1070.2	1065.4	1058.0	1056.9	1075.1	1080.1	1069.0
25°	1005.4	1015.1	1012.8	1027.4	1034.8	1028.6	1020.1	1021.2	1036.0	1043.4	1033.5
27.5°	963.8	969.9	966.2	980.9	988.2	982.1	973.5	974.8	989.5	994.4	987.0
30°	907.4	912.4	908.6	920.9	925.8	922.1	914.8	914.8	928.2	934.4	927.0
32.5°	840.1	843.8	840.1	849.9	859.6	852.2	845.0	845.0	859.6	864.5	856.0
35°	761.8	765.4	762.9	772.8	780.0	770.2	764.1	761.8	781.2	778.9	773.9
37.5°	674.8	677.2	669.9	687.0	690.6	679.6	674.8	672.2	689.5	688.2	683.4
40°	576.8	579.2	574.4	586.6	587.8	579.2	575.5	571.9	589.0	587.8	584.1
42.5°	472.8	473.9	467.8	477.6	480.0	471.5	470.2	465.4	481.2	478.8	477.6
45°	364.9	364.9	360.0	367.4	369.9	362.5	360.0	358.8	369.9	369.9	367.4
47.5°	264.5	260.9	254.8	265.8	267.0	262.0	260.9	257.1	268.1	268.1	265.8
50°	181.2	180.0	178.8	181.2	182.5	176.4	180.0	176.4	182.5	182.5	182.5
52.5°	121.2	120.0	117.5	120.0	120.0	116.4	116.4	115.1	120.0	120.0	117.5
55°	75.9	74.8	73.5	74.8	74.8	71.0	73.5	71.0	73.5	73.5	72.2
57.5°	46.5	44.1	44.1	42.9	42.9	40.4	41.6	41.6	41.6	41.6	41.6
60°	27.0	25.8	24.5	24.5	24.5	23.2	23.2	23.2	23.2	23.2	23.2
62.5°	17.1	17.1	15.9	15.9	15.9	15.9	15.9	14.8	15.9	15.9	15.9
65°	14.8	13.5	13.5	13.5	13.5	12.2	12.2	12.2	12.2	12.2	12.2
67.5°	12.2	11.0	11.0	11.0	11.0	9.8	9.8	9.8	9.8	9.8	9.8
70°	9.8	8.6	8.6	8.6	8.6	8.6	7.4	8.6	8.6	7.4	7.4
72.5°	7.4	7.4	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
75°	4.9	4.9	4.9	4.9	4.9	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	3.6	3.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0	1.2	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: P212801

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1077.6	1065.4	1059.2	1071.5	1076.4	1070.2	1065.4	1056.9	1065.4	1070.2	1076.4
5°	1092.4	1081.2	1076.4	1085.0	1092.4	1086.2	1082.5	1074.0	1082.5	1086.2	1092.4
7.5°	1105.8	1094.8	1088.6	1097.2	1105.8	1097.2	1093.5	1086.2	1093.5	1097.2	1105.8
10°	1110.8	1098.5	1093.5	1100.9	1109.5	1100.9	1096.0	1091.1	1096.0	1100.9	1109.5
12.5°	1119.2	1107.0	1100.9	1107.0	1115.6	1107.0	1102.1	1098.5	1102.1	1107.0	1115.6
15°	1131.5	1120.5	1113.1	1119.2	1130.2	1120.5	1114.4	1113.1	1114.4	1120.5	1130.2
17.5°	1131.5	1123.0	1115.6	1120.5	1131.5	1124.1	1115.6	1118.0	1115.6	1124.1	1131.5
20°	1115.6	1107.0	1100.9	1100.9	1116.9	1107.0	1099.6	1103.4	1099.6	1107.0	1116.9
22.5°	1087.4	1080.1	1074.0	1072.8	1088.6	1080.1	1070.2	1077.6	1070.2	1080.1	1088.6
25°	1050.8	1043.4	1038.5	1036.0	1051.9	1042.1	1033.5	1040.9	1033.5	1042.1	1051.9
27.5°	1002.9	996.8	991.9	988.2	1002.9	994.4	985.8	993.1	985.8	994.4	1002.9
30°	941.8	938.0	933.1	928.2	942.9	934.4	925.8	935.6	925.8	934.4	942.9
32.5°	870.6	868.2	862.1	857.2	871.9	862.1	856.0	863.4	856.0	862.1	871.9
35°	788.6	785.0	781.2	772.8	788.6	780.0	780.0	782.5	780.0	780.0	788.6
37.5°	696.8	694.4	689.5	682.1	695.6	689.5	687.0	694.4	687.0	689.5	695.6
40°	593.9	592.8	589.0	580.5	595.1	589.0	585.4	595.1	585.4	589.0	595.1
42.5°	486.1	483.8	480.0	478.8	486.1	481.2	484.9	484.9	484.9	481.2	486.1
45°	374.8	372.2	369.9	364.9	373.5	371.0	369.9	372.2	369.9	371.0	373.5
47.5°	271.9	269.4	267.0	263.2	271.9	268.1	268.1	270.6	268.1	268.1	271.9
50°	182.5	183.6	182.5	180.0	182.5	181.2	182.5	184.9	182.5	181.2	182.5
52.5°	121.2	121.2	118.8	117.5	120.0	118.8	122.5	120.0	122.5	118.8	120.0
55°	73.5	74.8	73.5	72.2	73.5	72.2	75.9	74.8	75.9	72.2	73.5
57.5°	41.6	41.6	42.9	41.6	44.1	42.9	42.9	42.9	42.9	42.9	44.1
60°	23.2	23.2	23.2	23.2	23.2	23.2	24.5	23.2	24.5	23.2	23.2
62.5°	15.9	15.9	15.9	14.8	15.9	14.8	15.9	15.9	15.9	14.8	15.9
65°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
67.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
70°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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: P212801

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1071.5	1059.2	1065.4	1077.6	1060.5	1075.1	1066.6	1051.9	1051.9	1063.0	1065.4
5°	1085.0	1076.4	1081.2	1092.4	1075.1	1089.9	1080.1	1065.4	1064.1	1075.1	1078.9
7.5°	1097.2	1088.6	1094.8	1105.8	1087.4	1102.1	1093.5	1077.6	1075.1	1086.2	1089.9
10°	1100.9	1093.5	1098.5	1110.8	1092.4	1105.8	1099.6	1082.5	1081.2	1089.9	1094.8
12.5°	1107.0	1100.9	1107.0	1119.2	1100.9	1114.4	1108.2	1091.1	1088.6	1099.6	1103.4
15°	1119.2	1113.1	1120.5	1131.5	1114.4	1125.4	1119.2	1102.1	1100.9	1109.5	1114.4
17.5°	1120.5	1115.6	1123.0	1131.5	1114.4	1125.4	1120.5	1102.1	1100.9	1110.8	1114.4
20°	1100.9	1100.9	1107.0	1115.6	1097.2	1108.2	1103.4	1085.0	1085.0	1093.5	1097.2
22.5°	1072.8	1074.0	1080.1	1087.4	1069.0	1080.1	1075.1	1056.9	1058.0	1065.4	1070.2
25°	1036.0	1038.5	1043.4	1050.8	1033.5	1043.4	1036.0	1021.2	1020.1	1028.6	1034.8
27.5°	988.2	991.9	996.8	1002.9	987.0	994.4	989.5	974.8	973.5	982.1	988.2
30°	928.2	933.1	938.0	941.8	927.0	934.4	928.2	914.8	914.8	922.1	925.8
32.5°	857.2	862.1	868.2	870.6	856.0	864.5	859.6	845.0	845.0	852.2	859.6
35°	772.8	781.2	785.0	788.6	773.9	778.9	781.2	761.8	764.1	770.2	780.0
37.5°	682.1	689.5	694.4	696.8	683.4	688.2	689.5	672.2	674.8	679.6	690.6
40°	580.5	589.0	592.8	593.9	584.1	587.8	589.0	571.9	575.5	579.2	587.8
42.5°	478.8	480.0	483.8	486.1	477.6	478.8	481.2	465.4	470.2	471.5	480.0
45°	364.9	369.9	372.2	374.8	367.4	369.9	369.9	358.8	360.0	362.5	369.9
47.5°	263.2	267.0	269.4	271.9	265.8	268.1	268.1	257.1	260.9	262.0	267.0
50°	180.0	182.5	183.6	182.5	182.5	182.5	182.5	176.4	180.0	176.4	182.5
52.5°	117.5	118.8	121.2	121.2	117.5	120.0	120.0	115.1	116.4	116.4	120.0
55°	72.2	73.5	74.8	73.5	72.2	73.5	73.5	71.0	73.5	71.0	74.8
57.5°	41.6	42.9	41.6	41.6	41.6	41.6	41.6	41.6	41.6	40.4	42.9
60°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	24.5
62.5°	14.8	15.9	15.9	15.9	15.9	15.9	15.9	14.8	15.9	15.9	15.9
65°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	13.5
67.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.0
70°	7.4	7.4	7.4	7.4	7.4	7.4	8.6	8.6	7.4	8.6	8.6
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.9
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0	1.2
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: P212801

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1064.1	1054.4	1054.4	1043.4	1053.1	1054.4	1042.1	1038.5	1051.9	1037.2	1044.6
5°	1074.0	1064.1	1064.1	1053.1	1060.5	1060.5	1048.2	1042.1	1055.6	1040.9	1047.0
7.5°	1086.2	1075.1	1072.8	1061.8	1067.9	1069.0	1054.4	1045.8	1059.2	1042.1	1048.2
10°	1089.9	1077.6	1076.4	1065.4	1070.2	1071.5	1054.4	1047.0	1058.0	1039.6	1043.4
12.5°	1098.5	1085.0	1085.0	1074.0	1077.6	1077.6	1060.5	1050.8	1060.5	1042.1	1044.6
15°	1108.2	1093.5	1093.5	1082.5	1085.0	1086.2	1065.4	1055.6	1064.1	1044.6	1047.0
17.5°	1108.2	1092.4	1092.4	1082.5	1083.8	1082.5	1063.0	1051.9	1058.0	1037.2	1038.5
20°	1091.1	1075.1	1077.6	1066.6	1067.9	1066.6	1045.8	1034.8	1040.9	1018.9	1021.2
22.5°	1063.0	1048.2	1050.8	1040.9	1040.9	1039.6	1020.1	1009.0	1015.1	993.1	994.4
25°	1027.4	1012.8	1015.1	1005.4	1006.6	1006.6	987.0	974.8	980.9	961.2	961.2
27.5°	980.9	966.2	969.9	963.8	960.1	961.2	944.1	931.9	938.0	919.6	919.6
30°	920.9	908.6	912.4	907.4	903.8	903.8	889.0	876.8	882.9	867.0	865.8
32.5°	849.9	840.1	843.8	840.1	836.4	840.1	824.1	811.9	818.0	805.8	807.0
35°	772.8	762.9	765.4	761.8	759.2	761.8	745.8	737.2	743.4	731.1	736.0
37.5°	687.0	669.9	677.2	674.8	672.2	673.5	658.9	652.8	660.0	652.8	656.4
40°	586.6	574.4	579.2	576.8	574.4	580.5	569.4	560.9	567.0	562.1	569.4
42.5°	477.6	467.8	473.9	472.8	469.0	476.4	467.8	461.6	471.5	469.0	475.1
45°	367.4	360.0	364.9	364.9	363.8	369.9	361.2	362.5	372.2	376.0	383.2
47.5°	265.8	254.8	260.9	264.5	264.5	270.6	265.8	270.6	281.6	289.0	295.1
50°	181.2	178.8	180.0	181.2	183.6	188.6	187.4	194.8	202.0	214.2	221.6
52.5°	120.0	117.5	120.0	121.2	123.6	128.6	128.6	137.1	145.8	156.8	165.4
55°	74.8	73.5	74.8	75.9	78.4	83.2	84.5	93.1	101.6	112.6	120.0
57.5°	42.9	44.1	44.1	46.5	47.8	51.4	55.1	60.0	69.8	80.9	88.1
60°	24.5	24.5	25.8	27.0	28.1	31.9	34.2	39.1	46.5	57.5	62.5
62.5°	15.9	15.9	17.1	17.1	18.4	20.9	23.2	28.1	34.2	42.9	47.8
65°	13.5	13.5	13.5	14.8	14.8	17.1	19.6	23.2	28.1	34.2	39.1
67.5°	11.0	11.0	11.0	12.2	12.2	13.5	15.9	18.4	22.0	27.0	30.6
70°	8.6	8.6	8.6	9.8	9.8	11.0	12.2	13.5	17.1	20.9	23.2
72.5°	6.1	6.1	7.4	7.4	7.4	8.6	9.8	11.0	13.5	15.9	17.1
75°	4.9	4.9	4.9	4.9	6.1	6.1	7.4	8.6	9.8	11.0	12.2
77.5°	2.5	2.5	3.6	3.6	3.6	4.9	4.9	6.1	7.4	8.6	8.6
80°	2.5	2.5	2.5	2.5	2.5	3.6	3.6	3.6	4.9	6.1	6.1
82.5°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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: P212801

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1036.0	1039.6	1039.6	1036.0	1026.2	1034.8	1043.4	1034.8	1045.8	1026.2	1026.2
5°	1036.0	1038.5	1037.2	1032.4	1022.5	1029.9	1036.0	1027.4	1036.0	1017.6	1016.4
7.5°	1038.5	1036.0	1033.5	1027.4	1015.1	1020.1	1026.2	1016.4	1025.0	1005.4	1002.9
10°	1033.5	1029.9	1025.0	1016.4	1002.9	1006.6	1010.2	1001.8	1007.9	988.2	987.0
12.5°	1033.5	1027.4	1020.1	1010.2	995.6	998.0	1001.8	990.6	995.6	977.2	974.8
15°	1036.0	1025.0	1016.4	1005.4	989.5	990.6	993.1	980.9	985.8	966.2	965.0
17.5°	1027.4	1015.1	1006.6	993.1	976.0	977.2	977.2	965.0	968.6	949.0	947.9
20°	1009.0	994.4	984.6	972.4	954.0	954.0	954.0	941.8	944.1	927.0	924.5
22.5°	983.4	967.4	957.6	945.4	928.2	927.0	925.8	916.0	916.0	900.1	896.4
25°	949.0	934.4	924.5	913.5	896.4	894.0	894.0	885.4	884.1	869.5	867.0
27.5°	909.9	892.8	884.1	874.4	858.4	856.0	854.8	849.9	847.4	831.5	830.2
30°	857.2	842.5	835.1	826.6	811.9	809.5	808.2	803.4	802.1	786.1	786.1
32.5°	800.9	782.5	777.6	769.0	758.0	756.8	758.0	751.9	747.0	736.0	733.5
35°	733.5	715.1	711.5	707.8	699.2	696.8	695.6	694.4	688.2	680.9	677.2
37.5°	655.1	639.2	639.2	638.0	631.9	631.9	631.9	629.4	623.2	620.9	613.5
40°	570.6	558.4	559.6	560.9	558.4	559.6	560.9	558.4	553.5	551.0	545.0
42.5°	480.0	473.9	478.8	482.5	482.5	486.1	488.6	488.6	482.5	481.2	476.4
45°	389.4	388.2	398.0	405.4	407.8	413.9	417.6	415.1	415.1	415.1	410.2
47.5°	304.9	309.9	318.4	333.1	338.0	345.4	347.8	351.5	350.2	351.5	347.8
50°	231.5	242.5	253.5	268.1	275.5	284.1	287.8	292.6	292.6	293.9	291.5
52.5°	175.1	183.6	202.0	211.9	220.4	229.0	233.9	238.8	240.0	240.0	237.6
55°	129.8	142.0	154.2	167.8	175.1	183.6	187.4	192.2	192.2	194.8	192.2
57.5°	94.2	106.5	120.0	129.8	138.4	144.5	148.1	151.9	154.2	154.2	153.1
60°	69.8	79.6	90.6	100.4	107.8	113.9	116.4	120.0	121.2	121.2	118.8
62.5°	52.6	62.5	72.2	80.9	85.8	90.6	93.1	95.5	95.5	95.5	94.2
65°	42.9	50.2	57.5	64.9	69.8	73.5	74.8	77.1	75.9	77.1	75.9
67.5°	34.2	39.1	45.2	50.2	53.9	56.4	57.5	60.0	58.8	60.0	58.8
70°	25.8	30.6	34.2	38.0	40.4	42.9	44.1	45.2	44.1	45.2	44.1
72.5°	19.6	22.0	25.8	29.4	30.6	31.9	33.1	33.1	33.1	34.2	33.1
75°	13.5	15.9	18.4	19.6	22.0	23.2	23.2	24.5	24.5	24.5	24.5
77.5°	9.8	11.0	12.2	13.5	14.8	15.9	15.9	17.1	17.1	17.1	17.1
80°	6.1	7.4	7.4	8.6	9.8	9.8	11.0	11.0	11.0	11.0	11.0
82.5°	3.6	4.9	4.9	6.1	6.1	6.1	7.4	7.4	7.4	7.4	7.4
85°	2.5	2.5	2.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	1.2	1.2
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: P212801

CATALOG NUMBER: LE\_6B20D010 EC6B10209024 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1051.9	1051.9	1051.9	1051.9
2.5°	1036.0	1029.9	1039.6	1025.0
5°	1025.0	1018.9	1031.1	1012.8
7.5°	1011.5	1005.4	1016.4	998.0
10°	994.4	988.2	998.0	978.5
12.5°	979.6	973.5	984.6	966.2
15°	968.6	962.5	972.4	955.1
17.5°	951.5	944.1	955.1	936.8
20°	927.0	922.1	930.6	912.4
22.5°	898.9	894.0	903.8	885.4
25°	869.5	863.4	873.1	854.8
27.5°	831.5	826.6	836.4	818.0
30°	786.1	781.2	791.1	773.9
32.5°	734.8	729.9	737.2	722.5
35°	676.0	672.2	679.6	663.8
37.5°	612.2	608.6	616.0	600.0
40°	543.8	540.0	546.1	538.9
42.5°	476.4	472.8	478.8	472.8
45°	410.2	407.8	413.9	407.8
47.5°	349.0	346.5	352.6	346.5
50°	290.2	291.5	293.9	291.5
52.5°	237.6	237.6	241.2	237.6
55°	192.2	193.5	194.8	192.2
57.5°	153.1	153.1	154.2	153.1
60°	118.8	120.0	120.0	118.8
62.5°	94.2	94.2	94.2	94.2
65°	74.8	74.8	75.9	74.8
67.5°	58.8	57.5	58.8	57.5
70°	44.1	44.1	44.1	44.1
72.5°	34.2	34.2	33.1	33.1
75°	24.5	25.8	24.5	24.5
77.5°	17.1	17.1	17.1	17.1
80°	11.0	11.0	11.0	11.0
82.5°	7.4	7.4	7.4	7.4
85°	4.9	3.6	3.6	3.6
87.5°	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)