

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:

Luminaire Tested: **LE\_6B20D010 EC6B10209030 6LBSW1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number:  
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 EC6B10209030 6LBSW1MW  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1850.6 lumens  
Efficiency: N/A  
Efficacy: 89.0 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

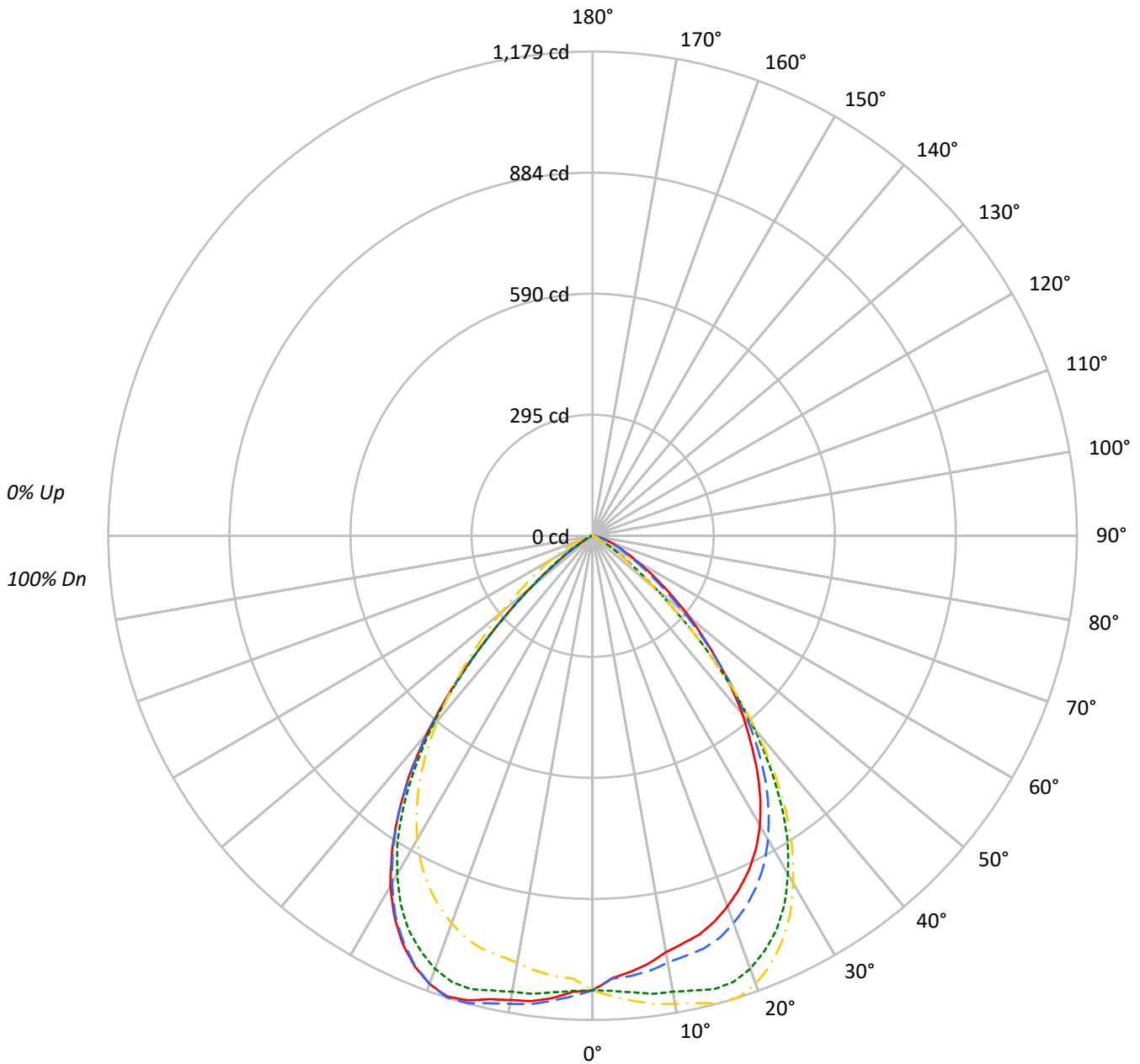
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	70	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°	60680	60680	60680	60680
5°	58640	61408	62189	61408
10°	57308	62758	63910	62758
15°	57038	64864	66470	64864
20°	56005	65467	67731	65467
25°	54402	64068	66246	64068
30°	51552	60199	62320	60199
35°	46739	53639	55104	53639
40°	40569	43710	44813	43710
45°	33267	30166	30375	30166
50°	26165	16929	16596	16929
55°	19325	8372	7512	8372
60°	13694	3673	2686	3673
65°	10196	2335	1673	2335
70°	7437	1859	1218	1859
75°	5465	1377	826	1377
80°	3662	1231	442	1231
85°	2453	881	881	881



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.0	5.7
10°-20°	313.8	17.0
20°-30°	468.3	25.3
30°-40°	481.2	26.0
40°-50°	311.6	16.8
50°-60°	115.9	6.3
60°-70°	38.0	2.1
70°-80°	13.4	0.7
80°-90°	2.4	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°	888.1	48.0
0°-40°	1369.3	74.0
0°-60°	1796.7	97.1
0°-90°	1850.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1850.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1107	1107	1107	1107	1107	
5°	1066	1116	1130	1116	1066	101
15°	1005	1143	1171	1143	1005	283
25°	899	1059	1095	1059	899	412
35°	698	802	823	802	698	434
45°	429	389	392	389	429	332
55°	202	88	79	88	202	184
65°	79	18	13	18	79	80
75°	26	6	4	6	26	28
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°	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1078.5	1093.9	1083.6	1090.1	1079.8	1079.8	1100.4	1088.8	1097.9	1088.8	1079.8
5°	1065.6	1084.9	1072.0	1078.5	1069.5	1070.8	1090.1	1081.0	1090.1	1083.6	1075.9
7.5°	1050.2	1069.5	1057.9	1064.4	1055.4	1057.9	1078.5	1069.5	1079.8	1073.4	1068.2
10°	1029.5	1050.2	1039.9	1046.2	1038.5	1039.9	1060.4	1054.0	1063.0	1059.2	1055.4
12.5°	1016.6	1036.0	1024.4	1030.9	1025.6	1028.2	1047.5	1042.4	1054.0	1050.2	1047.5
15°	1005.0	1023.0	1012.9	1019.2	1015.4	1016.6	1037.2	1032.1	1045.0	1042.4	1041.1
17.5°	985.6	1005.0	993.5	1001.1	997.4	998.6	1019.2	1015.4	1028.2	1028.2	1027.0
20°	960.0	979.2	970.2	975.5	972.9	975.5	993.5	990.9	1003.8	1003.8	1003.8
22.5°	931.6	951.0	940.6	945.8	943.1	947.1	963.9	963.9	974.1	975.5	976.6
25°	899.4	918.8	908.4	914.8	912.2	914.8	930.2	931.6	940.6	940.6	943.1
27.5°	860.8	880.1	869.8	874.9	873.6	874.9	891.6	894.2	899.4	900.6	903.2
30°	814.4	832.4	822.0	827.2	827.2	827.2	844.0	845.2	850.4	851.8	854.2
32.5°	760.2	775.8	768.0	773.1	771.9	774.4	786.0	791.1	797.5	796.4	797.5
35°	698.4	715.1	707.5	711.2	712.5	716.5	724.1	730.6	731.9	733.1	735.8
37.5°	631.4	648.1	640.4	644.2	645.6	653.2	655.9	662.2	664.9	664.9	664.9
40°	566.9	574.8	568.2	572.1	573.4	579.9	582.4	587.5	590.1	588.9	587.5
42.5°	497.4	503.9	497.4	501.1	501.1	506.4	507.6	514.1	514.1	511.5	507.6
45°	429.1	435.5	429.1	431.6	431.6	436.8	436.8	436.8	439.5	435.5	429.1
47.5°	364.6	371.1	364.6	367.2	365.9	369.8	368.6	369.8	365.9	363.4	355.6
50°	306.8	309.2	306.8	305.4	306.8	309.2	308.0	308.0	302.9	298.9	289.9
52.5°	250.0	253.9	250.0	250.0	250.0	252.5	252.5	251.4	246.1	241.0	232.0
55°	202.2	204.9	203.6	202.2	202.2	204.9	202.2	202.2	197.1	193.2	184.2
57.5°	161.1	162.4	161.1	161.1	161.1	162.4	162.4	159.8	155.9	152.1	145.6
60°	124.9	126.2	126.2	124.9	124.9	127.6	127.6	126.2	122.4	119.9	113.4
62.5°	99.2	99.2	99.2	99.2	99.2	100.5	100.5	100.5	97.9	95.4	90.2
65°	78.6	79.9	78.6	78.6	79.9	81.2	79.9	81.2	78.6	77.4	73.4
67.5°	60.5	61.9	60.5	61.9	61.9	63.2	61.9	63.2	60.5	59.2	56.8
70°	46.4	46.4	46.4	46.4	46.4	47.8	46.4	47.8	46.4	45.0	42.5
72.5°	34.9	34.9	36.0	36.0	34.9	36.0	34.9	34.9	34.9	33.5	32.2
75°	25.8	25.8	27.0	25.8	25.8	25.8	25.8	25.8	24.5	24.5	23.1
77.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	16.8	16.8	15.5
80°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	10.4	10.4
82.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.5	6.5
85°	3.9	3.9	3.9	5.1	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	1.4	1.4	1.4	2.5	1.4	1.4	2.5	2.5	1.4	1.4	1.4
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°	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1090.1	1093.9	1093.9	1090.1	1099.1	1091.4	1106.9	1092.8	1096.5	1109.4	1108.1
5°	1086.2	1091.4	1092.8	1090.1	1101.8	1095.2	1110.8	1096.5	1102.9	1115.9	1115.9
7.5°	1081.0	1087.5	1090.1	1092.8	1102.9	1096.5	1114.6	1100.4	1109.4	1124.9	1123.6
10°	1069.5	1078.5	1083.6	1087.5	1097.9	1093.9	1113.2	1101.8	1109.4	1127.4	1126.1
12.5°	1063.0	1073.4	1081.0	1087.5	1099.1	1096.5	1115.9	1105.6	1115.9	1133.9	1133.9
15°	1057.9	1069.5	1078.5	1090.1	1101.8	1099.1	1119.8	1110.8	1121.1	1142.9	1141.6
17.5°	1045.0	1059.2	1068.2	1081.0	1092.8	1091.4	1113.2	1106.9	1118.4	1139.1	1140.2
20°	1023.0	1036.0	1046.2	1061.8	1074.6	1072.0	1095.2	1088.8	1100.4	1122.2	1123.6
22.5°	994.6	1007.6	1018.0	1034.8	1046.2	1045.0	1068.2	1061.8	1073.4	1093.9	1095.2
25°	961.2	972.9	983.1	998.6	1011.5	1011.5	1032.1	1025.6	1038.5	1059.2	1059.2
27.5°	920.0	930.2	939.2	957.4	967.6	967.6	987.0	980.5	993.5	1011.5	1010.1
30°	869.8	878.8	886.5	902.0	911.0	912.2	929.0	922.6	935.5	951.0	951.0
32.5°	809.2	818.2	823.4	842.8	849.1	847.9	860.8	854.2	867.2	883.9	880.1
35°	744.9	748.6	752.5	771.9	774.4	769.2	782.1	775.8	784.8	801.5	798.9
37.5°	671.2	672.6	672.6	689.2	690.6	686.8	694.5	686.8	693.2	708.6	707.5
40°	590.1	588.9	587.5	600.4	599.2	591.4	596.6	590.1	599.2	610.8	604.2
42.5°	507.6	503.9	498.6	505.1	500.0	493.5	496.1	485.9	492.1	501.1	493.5
45°	426.5	418.8	408.5	409.8	403.2	395.6	391.8	381.4	380.1	389.1	382.8
47.5°	350.5	335.0	326.0	320.9	310.5	304.0	296.4	284.8	279.6	284.8	278.4
50°	282.2	266.8	255.1	243.5	233.1	225.5	212.6	204.9	197.1	198.5	193.2
52.5°	223.0	212.6	193.2	184.2	174.0	165.0	153.2	144.2	135.2	135.2	130.1
55°	176.5	162.4	149.5	136.6	126.2	118.6	106.9	97.9	88.9	87.6	82.4
57.5°	136.6	126.2	112.1	99.2	92.8	85.0	73.4	63.2	58.0	54.1	50.2
60°	105.8	95.4	83.8	73.4	65.8	60.5	49.0	41.2	36.0	33.5	29.6
62.5°	85.0	76.0	65.8	55.4	50.2	45.0	36.0	29.6	24.5	21.9	19.4
65°	68.2	60.5	52.9	45.0	41.2	36.0	29.6	24.5	20.6	18.0	15.5
67.5°	52.9	47.8	41.2	36.0	32.2	28.4	23.1	19.4	16.8	14.1	12.9
70°	40.0	36.0	32.2	27.0	24.5	21.9	18.0	14.1	12.9	11.6	10.4
72.5°	30.9	27.0	23.1	20.6	18.0	16.8	14.1	11.6	10.4	9.0	7.6
75°	20.6	19.4	16.8	14.1	12.9	11.6	10.4	9.0	7.6	6.5	6.5
77.5°	14.1	12.9	11.6	10.4	9.0	9.0	7.6	6.5	5.1	5.1	3.9
80°	9.0	7.6	7.6	6.5	6.5	6.5	5.1	3.9	3.9	3.9	2.5
82.5°	6.5	5.1	5.1	3.9	3.9	3.9	3.9	2.5	2.5	2.5	1.4
85°	3.9	2.5	2.5	2.5	2.5	2.5	2.5	1.4	1.4	1.4	1.4
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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°	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1097.9	1109.4	1109.4	1119.8	1121.1	1118.4	1106.9	1106.9	1122.2	1131.2	1115.9
5°	1108.1	1119.8	1119.8	1130.1	1135.2	1131.2	1119.8	1121.1	1136.5	1146.8	1131.2
7.5°	1117.1	1128.8	1131.2	1142.9	1146.8	1142.9	1131.2	1133.9	1150.6	1159.6	1144.2
10°	1121.1	1132.6	1133.9	1146.8	1152.0	1146.8	1137.8	1139.1	1157.1	1163.6	1149.4
12.5°	1130.1	1141.6	1141.6	1155.8	1161.0	1157.1	1145.5	1148.1	1166.1	1172.6	1158.4
15°	1139.1	1150.6	1150.6	1166.1	1172.6	1167.5	1158.4	1159.6	1177.8	1184.1	1172.6
17.5°	1139.1	1149.4	1149.4	1166.1	1172.6	1168.6	1158.4	1159.6	1179.0	1184.1	1172.6
20°	1122.2	1133.9	1131.2	1148.1	1154.5	1150.6	1141.6	1141.6	1161.0	1166.1	1154.5
22.5°	1095.2	1105.6	1102.9	1118.4	1126.1	1121.1	1113.2	1112.0	1131.2	1136.5	1124.9
25°	1057.9	1068.2	1065.6	1081.0	1088.8	1082.4	1073.4	1074.6	1090.1	1097.9	1087.5
27.5°	1014.0	1020.5	1016.6	1032.1	1039.9	1033.4	1024.4	1025.6	1041.1	1046.2	1038.5
30°	954.8	960.0	956.1	969.0	974.1	970.2	962.5	962.5	976.6	983.1	975.5
32.5°	883.9	887.8	883.9	894.2	904.6	896.8	889.1	889.1	904.6	909.8	900.6
35°	801.5	805.4	802.8	813.0	820.8	810.5	804.0	801.5	822.0	819.5	814.4
37.5°	710.0	712.5	704.8	722.9	726.6	715.1	710.0	707.5	725.5	724.1	719.0
40°	606.9	609.4	604.2	617.2	618.5	609.4	605.6	601.8	619.8	618.5	614.6
42.5°	497.4	498.6	492.1	502.5	505.1	496.1	494.9	489.6	506.4	503.9	502.5
45°	384.0	384.0	378.8	386.6	389.1	381.4	378.8	377.6	389.1	389.1	386.6
47.5°	278.4	274.5	268.0	279.6	280.9	275.8	274.5	270.5	282.2	282.2	279.6
50°	190.6	189.5	188.1	190.6	192.0	185.6	189.5	185.6	192.0	192.0	192.0
52.5°	127.6	126.2	123.8	126.2	126.2	122.4	122.4	121.1	126.2	126.2	123.8
55°	79.9	78.6	77.4	78.6	78.6	74.8	77.4	74.8	77.4	77.4	76.0
57.5°	49.0	46.4	46.4	45.0	45.0	42.5	43.9	43.9	43.9	43.9	43.9
60°	28.4	27.0	25.8	25.8	25.8	24.5	24.5	24.5	24.5	24.5	24.5
62.5°	18.0	18.0	16.8	16.8	16.8	16.8	16.8	15.5	16.8	16.8	16.8
65°	15.5	14.1	14.1	14.1	14.1	12.9	12.9	12.9	12.9	12.9	12.9
67.5°	12.9	11.6	11.6	11.6	11.6	10.4	10.4	10.4	10.4	10.4	10.4
70°	10.4	9.0	9.0	9.0	9.0	9.0	7.6	9.0	9.0	7.6	7.6
72.5°	7.6	7.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	5.1	5.1	5.1	5.1	5.1	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	3.9	3.9	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	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	0.0	1.4	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:

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSW1MW

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1133.9	1121.1	1114.6	1127.4	1132.6	1126.1	1121.1	1112.0	1121.1	1126.1	1132.6
5°	1149.4	1137.8	1132.6	1141.6	1149.4	1142.9	1139.1	1130.1	1139.1	1142.9	1149.4
7.5°	1163.6	1152.0	1145.5	1154.5	1163.6	1154.5	1150.6	1142.9	1150.6	1154.5	1163.6
10°	1168.6	1155.8	1150.6	1158.4	1167.5	1158.4	1153.2	1148.1	1153.2	1158.4	1167.5
12.5°	1177.8	1164.8	1158.4	1164.8	1173.8	1164.8	1159.6	1155.8	1159.6	1164.8	1173.8
15°	1190.6	1179.0	1171.2	1177.8	1189.2	1179.0	1172.6	1171.2	1172.6	1179.0	1189.2
17.5°	1190.6	1181.6	1173.8	1179.0	1190.6	1182.8	1173.8	1176.5	1173.8	1182.8	1190.6
20°	1173.8	1164.8	1158.4	1158.4	1175.1	1164.8	1157.1	1161.0	1157.1	1164.8	1175.1
22.5°	1144.2	1136.5	1130.1	1128.8	1145.5	1136.5	1126.1	1133.9	1126.1	1136.5	1145.5
25°	1105.6	1097.9	1092.8	1090.1	1106.9	1096.5	1087.5	1095.2	1087.5	1096.5	1106.9
27.5°	1055.4	1048.9	1043.8	1039.9	1055.4	1046.2	1037.2	1045.0	1037.2	1046.2	1055.4
30°	990.9	987.0	981.9	976.6	992.1	983.1	974.1	984.5	974.1	983.1	992.1
32.5°	916.1	913.6	907.1	902.0	917.5	907.1	900.6	908.4	900.6	907.1	917.5
35°	829.9	825.9	822.0	813.0	829.9	820.8	820.8	823.4	820.8	820.8	829.9
37.5°	733.1	730.6	725.5	717.6	731.9	725.5	722.9	730.6	722.9	725.5	731.9
40°	624.9	623.6	619.8	610.8	626.2	619.8	615.9	626.2	615.9	619.8	626.2
42.5°	511.5	509.0	505.1	503.9	511.5	506.4	510.2	510.2	510.2	506.4	511.5
45°	394.2	391.8	389.1	384.0	393.0	390.4	389.1	391.8	389.1	390.4	393.0
47.5°	286.0	283.5	280.9	277.0	286.0	282.2	282.2	284.8	282.2	282.2	286.0
50°	192.0	193.2	192.0	189.5	192.0	190.6	192.0	194.6	192.0	190.6	192.0
52.5°	127.6	127.6	124.9	123.8	126.2	124.9	128.9	126.2	128.9	124.9	126.2
55°	77.4	78.6	77.4	76.0	77.4	76.0	79.9	78.6	79.9	76.0	77.4
57.5°	43.9	43.9	45.0	43.9	46.4	45.0	45.0	45.0	45.0	45.0	46.4
60°	24.5	24.5	24.5	24.5	24.5	24.5	25.8	24.5	25.8	24.5	24.5
62.5°	16.8	16.8	16.8	15.5	16.8	15.5	16.8	16.8	16.8	15.5	16.8
65°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
67.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
70°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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:

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSW1MW

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1127.4	1114.6	1121.1	1133.9	1115.9	1131.2	1122.2	1106.9	1106.9	1118.4	1121.1
5°	1141.6	1132.6	1137.8	1149.4	1131.2	1146.8	1136.5	1121.1	1119.8	1131.2	1135.2
7.5°	1154.5	1145.5	1152.0	1163.6	1144.2	1159.6	1150.6	1133.9	1131.2	1142.9	1146.8
10°	1158.4	1150.6	1155.8	1168.6	1149.4	1163.6	1157.1	1139.1	1137.8	1146.8	1152.0
12.5°	1164.8	1158.4	1164.8	1177.8	1158.4	1172.6	1166.1	1148.1	1145.5	1157.1	1161.0
15°	1177.8	1171.2	1179.0	1190.6	1172.6	1184.1	1177.8	1159.6	1158.4	1167.5	1172.6
17.5°	1179.0	1173.8	1181.6	1190.6	1172.6	1184.1	1179.0	1159.6	1158.4	1168.6	1172.6
20°	1158.4	1158.4	1164.8	1173.8	1154.5	1166.1	1161.0	1141.6	1141.6	1150.6	1154.5
22.5°	1128.8	1130.1	1136.5	1144.2	1124.9	1136.5	1131.2	1112.0	1113.2	1121.1	1126.1
25°	1090.1	1092.8	1097.9	1105.6	1087.5	1097.9	1090.1	1074.6	1073.4	1082.4	1088.8
27.5°	1039.9	1043.8	1048.9	1055.4	1038.5	1046.2	1041.1	1025.6	1024.4	1033.4	1039.9
30°	976.6	981.9	987.0	990.9	975.5	983.1	976.6	962.5	962.5	970.2	974.1
32.5°	902.0	907.1	913.6	916.1	900.6	909.8	904.6	889.1	889.1	896.8	904.6
35°	813.0	822.0	825.9	829.9	814.4	819.5	822.0	801.5	804.0	810.5	820.8
37.5°	717.6	725.5	730.6	733.1	719.0	724.1	725.5	707.5	710.0	715.1	726.6
40°	610.8	619.8	623.6	624.9	614.6	618.5	619.8	601.8	605.6	609.4	618.5
42.5°	503.9	505.1	509.0	511.5	502.5	503.9	506.4	489.6	494.9	496.1	505.1
45°	384.0	389.1	391.8	394.2	386.6	389.1	389.1	377.6	378.8	381.4	389.1
47.5°	277.0	280.9	283.5	286.0	279.6	282.2	282.2	270.5	274.5	275.8	280.9
50°	189.5	192.0	193.2	192.0	192.0	192.0	192.0	185.6	189.5	185.6	192.0
52.5°	123.8	124.9	127.6	127.6	123.8	126.2	126.2	121.1	122.4	122.4	126.2
55°	76.0	77.4	78.6	77.4	76.0	77.4	77.4	74.8	77.4	74.8	78.6
57.5°	43.9	45.0	43.9	43.9	43.9	43.9	43.9	43.9	43.9	42.5	45.0
60°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.8
62.5°	15.5	16.8	16.8	16.8	16.8	16.8	16.8	15.5	16.8	16.8	16.8
65°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	14.1
67.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.6
70°	7.6	7.6	7.6	7.6	7.6	7.6	9.0	9.0	7.6	9.0	9.0
72.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.1
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.5
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	0.0	1.4
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:

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSW1MW

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1119.8	1109.4	1109.4	1097.9	1108.1	1109.4	1096.5	1092.8	1106.9	1091.4	1099.1
5°	1130.1	1119.8	1119.8	1108.1	1115.9	1115.9	1102.9	1096.5	1110.8	1095.2	1101.8
7.5°	1142.9	1131.2	1128.8	1117.1	1123.6	1124.9	1109.4	1100.4	1114.6	1096.5	1102.9
10°	1146.8	1133.9	1132.6	1121.1	1126.1	1127.4	1109.4	1101.8	1113.2	1093.9	1097.9
12.5°	1155.8	1141.6	1141.6	1130.1	1133.9	1133.9	1115.9	1105.6	1115.9	1096.5	1099.1
15°	1166.1	1150.6	1150.6	1139.1	1141.6	1142.9	1121.1	1110.8	1119.8	1099.1	1101.8
17.5°	1166.1	1149.4	1149.4	1139.1	1140.2	1139.1	1118.4	1106.9	1113.2	1091.4	1092.8
20°	1148.1	1131.2	1133.9	1122.2	1123.6	1122.2	1100.4	1088.8	1095.2	1072.0	1074.6
22.5°	1118.4	1102.9	1105.6	1095.2	1095.2	1093.9	1073.4	1061.8	1068.2	1045.0	1046.2
25°	1081.0	1065.6	1068.2	1057.9	1059.2	1059.2	1038.5	1025.6	1032.1	1011.5	1011.5
27.5°	1032.1	1016.6	1020.5	1014.0	1010.1	1011.5	993.5	980.5	987.0	967.6	967.6
30°	969.0	956.1	960.0	954.8	951.0	951.0	935.5	922.6	929.0	912.2	911.0
32.5°	894.2	883.9	887.8	883.9	880.1	883.9	867.2	854.2	860.8	847.9	849.1
35°	813.0	802.8	805.4	801.5	798.9	801.5	784.8	775.8	782.1	769.2	774.4
37.5°	722.9	704.8	712.5	710.0	707.5	708.6	693.2	686.8	694.5	686.8	690.6
40°	617.2	604.2	609.4	606.9	604.2	610.8	599.2	590.1	596.6	591.4	599.2
42.5°	502.5	492.1	498.6	497.4	493.5	501.1	492.1	485.9	496.1	493.5	500.0
45°	386.6	378.8	384.0	384.0	382.8	389.1	380.1	381.4	391.8	395.6	403.2
47.5°	279.6	268.0	274.5	278.4	278.4	284.8	279.6	284.8	296.4	304.0	310.5
50°	190.6	188.1	189.5	190.6	193.2	198.5	197.1	204.9	212.6	225.5	233.1
52.5°	126.2	123.8	126.2	127.6	130.1	135.2	135.2	144.2	153.2	165.0	174.0
55°	78.6	77.4	78.6	79.9	82.4	87.6	88.9	97.9	106.9	118.6	126.2
57.5°	45.0	46.4	46.4	49.0	50.2	54.1	58.0	63.2	73.4	85.0	92.8
60°	25.8	25.8	27.0	28.4	29.6	33.5	36.0	41.2	49.0	60.5	65.8
62.5°	16.8	16.8	18.0	18.0	19.4	21.9	24.5	29.6	36.0	45.0	50.2
65°	14.1	14.1	14.1	15.5	15.5	18.0	20.6	24.5	29.6	36.0	41.2
67.5°	11.6	11.6	11.6	12.9	12.9	14.1	16.8	19.4	23.1	28.4	32.2
70°	9.0	9.0	9.0	10.4	10.4	11.6	12.9	14.1	18.0	21.9	24.5
72.5°	6.5	6.5	7.6	7.6	7.6	9.0	10.4	11.6	14.1	16.8	18.0
75°	5.1	5.1	5.1	5.1	6.5	6.5	7.6	9.0	10.4	11.6	12.9
77.5°	2.5	2.5	3.9	3.9	3.9	5.1	5.1	6.5	7.6	9.0	9.0
80°	2.5	2.5	2.5	2.5	2.5	3.9	3.9	3.9	5.1	6.5	6.5
82.5°	1.4	1.4	1.4	1.4	1.4	2.5	2.5	2.5	3.9	3.9	3.9
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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:

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSW1MW

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1090.1	1093.9	1093.9	1090.1	1079.8	1088.8	1097.9	1088.8	1100.4	1079.8	1079.8
5°	1090.1	1092.8	1091.4	1086.2	1075.9	1083.6	1090.1	1081.0	1090.1	1070.8	1069.5
7.5°	1092.8	1090.1	1087.5	1081.0	1068.2	1073.4	1079.8	1069.5	1078.5	1057.9	1055.4
10°	1087.5	1083.6	1078.5	1069.5	1055.4	1059.2	1063.0	1054.0	1060.4	1039.9	1038.5
12.5°	1087.5	1081.0	1073.4	1063.0	1047.5	1050.2	1054.0	1042.4	1047.5	1028.2	1025.6
15°	1090.1	1078.5	1069.5	1057.9	1041.1	1042.4	1045.0	1032.1	1037.2	1016.6	1015.4
17.5°	1081.0	1068.2	1059.2	1045.0	1027.0	1028.2	1028.2	1015.4	1019.2	998.6	997.4
20°	1061.8	1046.2	1036.0	1023.0	1003.8	1003.8	1003.8	990.9	993.5	975.5	972.9
22.5°	1034.8	1018.0	1007.6	994.6	976.6	975.5	974.1	963.9	963.9	947.1	943.1
25°	998.6	983.1	972.9	961.2	943.1	940.6	940.6	931.6	930.2	914.8	912.2
27.5°	957.4	939.2	930.2	920.0	903.2	900.6	899.4	894.2	891.6	874.9	873.6
30°	902.0	886.5	878.8	869.8	854.2	851.8	850.4	845.2	844.0	827.2	827.2
32.5°	842.8	823.4	818.2	809.2	797.5	796.4	797.5	791.1	786.0	774.4	771.9
35°	771.9	752.5	748.6	744.9	735.8	733.1	731.9	730.6	724.1	716.5	712.5
37.5°	689.2	672.6	672.6	671.2	664.9	664.9	664.9	662.2	655.9	653.2	645.6
40°	600.4	587.5	588.9	590.1	587.5	588.9	590.1	587.5	582.4	579.9	573.4
42.5°	505.1	498.6	503.9	507.6	507.6	511.5	514.1	514.1	507.6	506.4	501.1
45°	409.8	408.5	418.8	426.5	429.1	435.5	439.5	436.8	436.8	436.8	431.6
47.5°	320.9	326.0	335.0	350.5	355.6	363.4	365.9	369.8	368.6	369.8	365.9
50°	243.5	255.1	266.8	282.2	289.9	298.9	302.9	308.0	308.0	309.2	306.8
52.5°	184.2	193.2	212.6	223.0	232.0	241.0	246.1	251.4	252.5	252.5	250.0
55°	136.6	149.5	162.4	176.5	184.2	193.2	197.1	202.2	202.2	204.9	202.2
57.5°	99.2	112.1	126.2	136.6	145.6	152.1	155.9	159.8	162.4	162.4	161.1
60°	73.4	83.8	95.4	105.8	113.4	119.9	122.4	126.2	127.6	127.6	124.9
62.5°	55.4	65.8	76.0	85.0	90.2	95.4	97.9	100.5	100.5	100.5	99.2
65°	45.0	52.9	60.5	68.2	73.4	77.4	78.6	81.2	79.9	81.2	79.9
67.5°	36.0	41.2	47.8	52.9	56.8	59.2	60.5	63.2	61.9	63.2	61.9
70°	27.0	32.2	36.0	40.0	42.5	45.0	46.4	47.8	46.4	47.8	46.4
72.5°	20.6	23.1	27.0	30.9	32.2	33.5	34.9	34.9	34.9	36.0	34.9
75°	14.1	16.8	19.4	20.6	23.1	24.5	24.5	25.8	25.8	25.8	25.8
77.5°	10.4	11.6	12.9	14.1	15.5	16.8	16.8	18.0	18.0	18.0	18.0
80°	6.5	7.6	7.6	9.0	10.4	10.4	11.6	11.6	11.6	11.6	11.6
82.5°	3.9	5.1	5.1	6.5	6.5	6.5	7.6	7.6	7.6	7.6	7.6
85°	2.5	2.5	2.5	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.5	2.5	1.4	1.4
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:

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSW1MW

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1106.9	1106.9	1106.9	1106.9
2.5°	1090.1	1083.6	1093.9	1078.5
5°	1078.5	1072.0	1084.9	1065.6
7.5°	1064.4	1057.9	1069.5	1050.2
10°	1046.2	1039.9	1050.2	1029.5
12.5°	1030.9	1024.4	1036.0	1016.6
15°	1019.2	1012.9	1023.0	1005.0
17.5°	1001.1	993.5	1005.0	985.6
20°	975.5	970.2	979.2	960.0
22.5°	945.8	940.6	951.0	931.6
25°	914.8	908.4	918.8	899.4
27.5°	874.9	869.8	880.1	860.8
30°	827.2	822.0	832.4	814.4
32.5°	773.1	768.0	775.8	760.2
35°	711.2	707.5	715.1	698.4
37.5°	644.2	640.4	648.1	631.4
40°	572.1	568.2	574.8	566.9
42.5°	501.1	497.4	503.9	497.4
45°	431.6	429.1	435.5	429.1
47.5°	367.2	364.6	371.1	364.6
50°	305.4	306.8	309.2	306.8
52.5°	250.0	250.0	253.9	250.0
55°	202.2	203.6	204.9	202.2
57.5°	161.1	161.1	162.4	161.1
60°	124.9	126.2	126.2	124.9
62.5°	99.2	99.2	99.2	99.2
65°	78.6	78.6	79.9	78.6
67.5°	61.9	60.5	61.9	60.5
70°	46.4	46.4	46.4	46.4
72.5°	36.0	36.0	34.9	34.9
75°	25.8	27.0	25.8	25.8
77.5°	18.0	18.0	18.0	18.0
80°	11.6	11.6	11.6	11.6
82.5°	7.6	7.6	7.6	7.6
85°	5.1	3.9	3.9	3.9
87.5°	2.5	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)