

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: P212808

Luminaire Tested: **LE_6B20D010 EC6B10209730 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212808
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 EC6B10209730 6LBSWL1
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: 1817.1 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

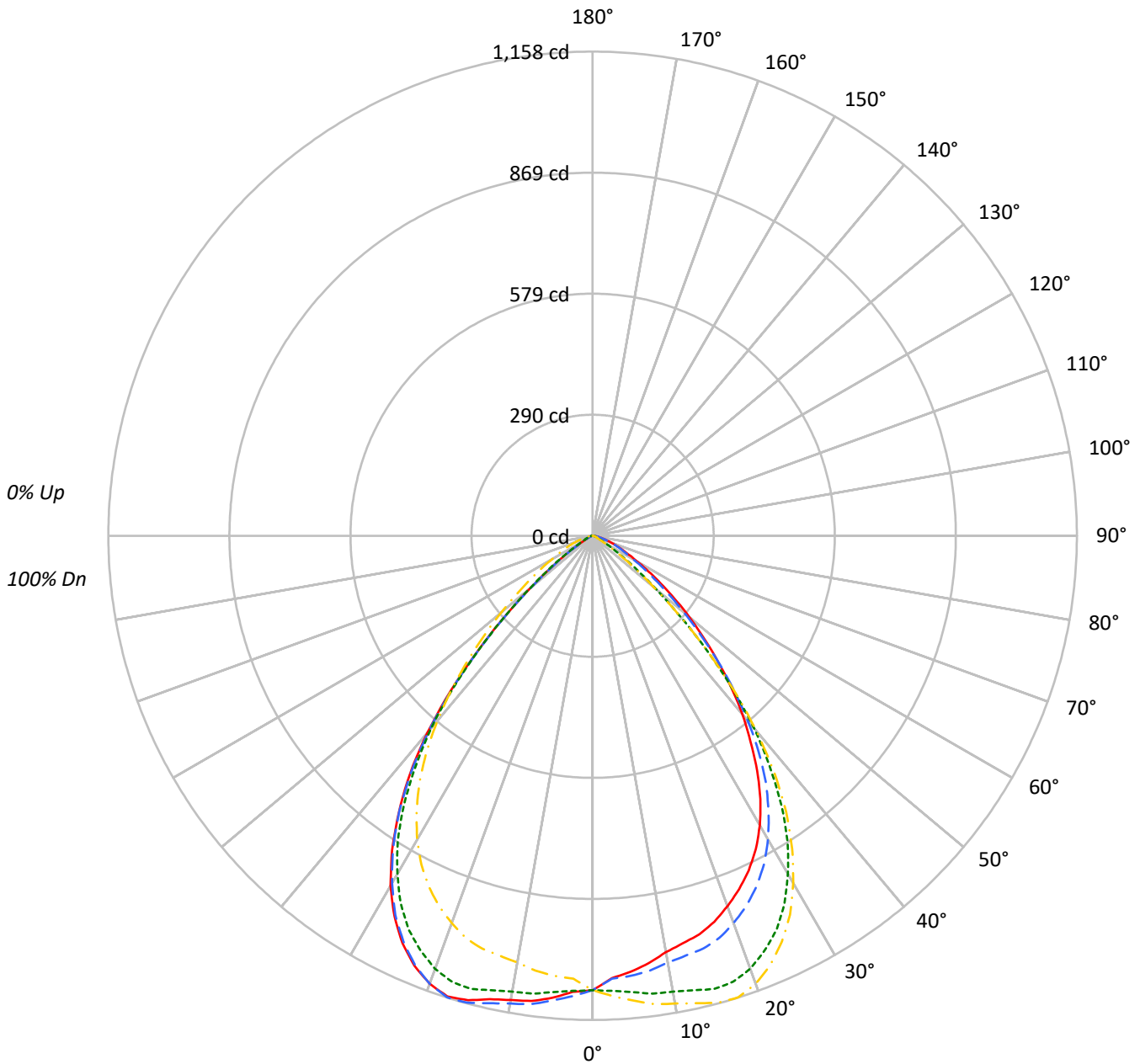
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	59584	59584	59584	59584
5°	57583	60290	61061	60290
10°	56273	61628	62758	61628
15°	56011	63689	65273	63689
20°	54990	64289	66506	64289
25°	53416	62907	65054	62907
30°	50615	59110	61187	59110
35°	45896	52668	54107	52668
40°	39846	42923	44004	42923
45°	32670	29623	29817	29623
50°	25679	16622	16289	16622
55°	18981	8220	7369	8220
60°	13464	3607	2631	3607
65°	10001	2309	1634	2309
70°	7293	1827	1218	1827
75°	5338	1356	805	1356
80°	3599	1200	379	1200
85°	2390	755	755	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	5.7
10°-20°	308.1	17.0
20°-30°	459.9	25.3
30°-40°	472.5	26.0
40°-50°	306.0	16.8
50°-60°	113.8	6.3
60°-70°	37.3	2.1
70°-80°	13.2	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°	872.1	48.0
0°-40°	1344.5	74.0
0°-60°	1764.2	97.1
0°-90°	1817.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1817.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1087	1087	1087	1087	1087	
5°	1046	1096	1110	1096	1046	99
15°	987	1122	1150	1122	987	278
25°	883	1040	1076	1040	883	405
35°	686	787	808	787	686	426
45°	421	382	385	382	421	326
55°	199	86	77	86	199	181
65°	77	18	13	18	77	78
75°	25	6	4	6	25	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°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1059.0	1074.1	1064.0	1070.4	1060.2	1060.2	1080.5	1069.1	1078.0	1069.1	1060.2
5°	1046.4	1065.4	1052.6	1059.0	1050.1	1051.4	1070.4	1061.5	1070.4	1064.0	1056.5
7.5°	1031.1	1050.1	1038.8	1045.1	1036.2	1038.8	1059.0	1050.1	1060.2	1053.9	1048.9
10°	1010.9	1031.1	1021.0	1027.4	1019.8	1021.0	1041.2	1035.0	1043.8	1040.0	1036.2
12.5°	998.2	1017.2	1005.9	1012.1	1007.1	1009.6	1028.6	1023.6	1035.0	1031.1	1028.6
15°	986.9	1004.6	994.5	1000.8	997.0	998.2	1018.5	1013.5	1026.1	1023.6	1022.2
17.5°	967.9	986.9	975.5	983.1	979.2	980.5	1000.8	997.0	1009.6	1009.6	1008.4
20°	942.6	961.6	952.8	957.8	955.2	957.8	975.5	973.0	985.6	985.6	985.6
22.5°	914.8	933.8	923.6	928.6	926.1	930.0	946.4	946.4	956.5	957.8	959.0
25°	883.1	902.1	892.0	898.2	895.8	898.2	913.5	914.8	923.6	923.6	926.1
27.5°	845.1	864.1	854.0	859.1	857.9	859.1	875.5	878.1	883.1	884.4	886.9
30°	799.6	817.4	807.2	812.2	812.2	812.2	828.8	830.0	835.0	836.4	838.9
32.5°	746.5	761.6	754.1	759.1	757.9	760.4	771.8	776.9	783.1	781.9	783.1
35°	685.8	702.2	694.6	698.4	699.6	703.5	711.0	717.4	718.6	719.9	722.5
37.5°	620.0	636.4	628.9	632.6	633.9	641.5	644.0	650.4	652.9	652.9	652.9
40°	556.8	564.2	558.0	561.8	563.0	569.4	571.9	577.0	579.5	578.2	577.0
42.5°	488.4	494.8	488.4	492.1	492.1	497.2	498.5	504.9	504.9	502.2	498.5
45°	421.4	427.6	421.4	423.9	423.9	428.9	428.9	428.9	431.5	427.6	421.4
47.5°	358.0	364.4	358.0	360.6	359.4	363.1	361.9	363.1	359.4	356.8	349.2
50°	301.1	303.6	301.1	299.9	301.1	303.6	302.4	302.4	297.4	293.5	284.6
52.5°	245.5	249.2	245.5	245.5	245.5	248.0	248.0	246.8	241.6	236.6	227.8
55°	198.6	201.1	199.9	198.6	198.6	201.1	198.6	198.6	193.6	189.8	180.9
57.5°	158.1	159.4	158.1	158.1	158.1	159.4	159.4	156.9	153.1	149.2	143.0
60°	122.8	124.0	124.0	122.8	122.8	125.2	125.2	124.0	120.2	117.6	111.4
62.5°	97.4	97.4	97.4	97.4	97.4	98.6	98.6	98.6	96.1	93.6	88.6
65°	77.1	78.5	77.1	77.1	78.5	79.8	78.5	79.8	77.1	75.9	72.1
67.5°	59.5	60.8	59.5	60.8	60.8	62.0	60.8	62.0	59.5	58.2	55.6
70°	45.5	45.5	45.5	45.5	45.5	46.9	45.5	46.9	45.5	44.2	41.8
72.5°	34.1	34.1	35.4	35.4	34.1	35.4	34.1	34.1	34.1	32.9	31.6
75°	25.2	25.2	26.6	25.2	25.2	25.2	25.2	25.2	24.0	24.0	22.8
77.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	16.5	16.5	15.1
80°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	10.1	10.1
82.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.4	6.4
85°	3.8	3.8	3.8	5.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1070.4	1074.1	1074.1	1070.4	1079.2	1071.6	1086.9	1072.9	1076.8	1089.4	1088.1
5°	1066.6	1071.6	1072.9	1070.4	1081.8	1075.5	1090.6	1076.8	1083.0	1095.6	1095.6
7.5°	1061.5	1067.9	1070.4	1072.9	1083.0	1076.8	1094.4	1080.5	1089.4	1104.5	1103.2
10°	1050.1	1059.0	1064.0	1067.9	1078.0	1074.1	1093.1	1081.8	1089.4	1107.1	1105.8
12.5°	1043.8	1053.9	1061.5	1067.9	1079.2	1076.8	1095.6	1085.5	1095.6	1113.4	1113.4
15°	1038.8	1050.1	1059.0	1070.4	1081.8	1079.2	1099.5	1090.6	1100.8	1122.2	1121.0
17.5°	1026.1	1040.0	1048.9	1061.5	1072.9	1071.6	1093.1	1086.9	1098.2	1118.5	1119.8
20°	1004.6	1017.2	1027.4	1042.5	1055.2	1052.6	1075.5	1069.1	1080.5	1102.0	1103.2
22.5°	976.8	989.4	999.5	1016.0	1027.4	1026.1	1048.9	1042.5	1053.9	1074.1	1075.5
25°	943.9	955.2	965.4	980.5	993.2	993.2	1013.5	1007.1	1019.8	1040.0	1040.0
27.5°	903.4	913.5	922.4	940.0	950.1	950.1	969.1	962.9	975.5	993.2	991.9
30°	854.0	862.9	870.5	885.6	894.5	895.8	912.2	905.9	918.5	933.8	933.8
32.5°	794.5	803.4	808.5	827.5	833.8	832.5	845.1	838.9	851.5	868.0	864.1
35°	731.2	735.1	738.9	757.9	760.4	755.4	768.0	761.6	770.5	787.0	784.5
37.5°	659.1	660.5	660.5	676.9	678.1	674.4	682.0	674.4	680.8	695.9	694.6
40°	579.5	578.2	577.0	589.6	588.4	580.8	585.8	579.5	588.4	599.8	593.4
42.5°	498.5	494.8	489.6	496.0	490.9	484.6	487.1	477.0	483.4	492.1	484.6
45°	418.8	411.2	401.1	402.4	396.0	388.4	384.6	374.5	373.2	382.1	375.8
47.5°	344.1	329.0	320.1	315.0	304.9	298.6	291.0	279.6	274.5	279.6	273.2
50°	277.1	261.9	250.5	239.1	229.0	221.4	208.8	201.1	193.6	194.9	189.8
52.5°	218.9	208.8	189.8	180.9	170.8	162.0	150.5	141.8	132.9	132.9	127.8
55°	173.4	159.4	146.8	134.1	124.0	116.4	105.0	96.1	87.2	86.0	81.0
57.5°	134.1	124.0	110.1	97.4	91.1	83.5	72.1	62.0	56.9	53.1	49.4
60°	103.8	93.6	82.2	72.1	64.5	59.5	48.1	40.5	35.4	32.9	29.1
62.5°	83.5	74.6	64.5	54.4	49.4	44.2	35.4	29.1	24.0	21.5	19.0
65°	67.0	59.5	51.9	44.2	40.5	35.4	29.1	24.0	20.2	17.8	15.1
67.5°	51.9	46.9	40.5	35.4	31.6	27.9	22.8	19.0	16.5	13.9	12.6
70°	39.2	35.4	31.6	26.6	24.0	21.5	17.8	13.9	12.6	11.4	10.1
72.5°	30.4	26.6	22.8	20.2	17.8	16.5	13.9	11.4	10.1	8.9	7.6
75°	20.2	19.0	16.5	13.9	12.6	11.4	10.1	8.9	7.6	6.4	6.4
77.5°	13.9	12.6	11.4	10.1	8.9	8.9	7.6	6.4	5.0	5.0	3.8
80°	8.9	7.6	7.6	6.4	6.4	6.4	5.0	3.8	3.8	3.8	2.5
82.5°	6.4	5.0	5.0	3.8	3.8	3.8	3.8	2.5	2.5	2.5	1.2
85°	3.8	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°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1078.0	1089.4	1089.4	1099.5	1100.8	1098.2	1086.9	1086.9	1102.0	1110.9	1095.6
5°	1088.1	1099.5	1099.5	1109.6	1114.6	1110.9	1099.5	1100.8	1115.9	1126.0	1110.9
7.5°	1097.0	1108.4	1110.9	1122.2	1126.0	1122.2	1110.9	1113.4	1129.9	1138.8	1123.5
10°	1100.8	1112.1	1113.4	1126.0	1131.1	1126.0	1117.2	1118.5	1136.1	1142.5	1128.6
12.5°	1109.6	1121.0	1121.0	1134.9	1140.0	1136.1	1124.8	1127.4	1145.0	1151.4	1137.4
15°	1118.5	1129.9	1129.9	1145.0	1151.4	1146.2	1137.4	1138.8	1156.4	1162.8	1151.4
17.5°	1118.5	1128.6	1128.6	1145.0	1151.4	1147.5	1137.4	1138.8	1157.6	1162.8	1151.4
20°	1102.0	1113.4	1110.9	1127.4	1133.6	1129.9	1121.0	1121.0	1140.0	1145.0	1133.6
22.5°	1075.5	1085.5	1083.0	1098.2	1105.8	1100.8	1093.1	1091.9	1110.9	1115.9	1104.5
25°	1038.8	1048.9	1046.4	1061.5	1069.1	1062.8	1053.9	1055.2	1070.4	1078.0	1067.9
27.5°	995.8	1002.0	998.2	1013.5	1021.0	1014.8	1005.9	1007.1	1022.2	1027.4	1019.8
30°	937.5	942.6	938.8	951.5	956.5	952.8	945.1	945.1	959.0	965.4	957.8
32.5°	868.0	871.8	868.0	878.1	888.1	880.6	873.0	873.0	888.1	893.2	884.4
35°	787.0	790.8	788.2	798.4	806.0	795.9	789.5	787.0	807.2	804.6	799.6
37.5°	697.1	699.6	692.1	709.8	713.6	702.2	697.1	694.6	712.4	711.0	706.0
40°	595.9	598.5	593.4	606.0	607.2	598.5	594.6	590.9	608.6	607.2	603.5
42.5°	488.4	489.6	483.4	493.4	496.0	487.1	485.9	480.8	497.2	494.8	493.4
45°	377.0	377.0	372.0	379.6	382.1	374.5	372.0	370.8	382.1	382.1	379.6
47.5°	273.2	269.5	263.1	274.5	275.9	270.8	269.5	265.8	277.1	277.1	274.5
50°	187.2	186.0	184.8	187.2	188.5	182.2	186.0	182.2	188.5	188.5	188.5
52.5°	125.2	124.0	121.5	124.0	124.0	120.2	120.2	118.9	124.0	124.0	121.5
55°	78.5	77.1	75.9	77.1	77.1	73.4	75.9	73.4	75.9	75.9	74.6
57.5°	48.1	45.5	45.5	44.2	44.2	41.8	43.0	43.0	43.0	43.0	43.0
60°	27.9	26.6	25.2	25.2	25.2	24.0	24.0	24.0	24.0	24.0	24.0
62.5°	17.8	17.8	16.5	16.5	16.5	16.5	16.5	15.1	16.5	16.5	16.5
65°	15.1	13.9	13.9	13.9	13.9	12.6	12.6	12.6	12.6	12.6	12.6
67.5°	12.6	11.4	11.4	11.4	11.4	10.1	10.1	10.1	10.1	10.1	10.1
70°	10.1	8.9	8.9	8.9	8.9	8.9	7.6	8.9	8.9	7.6	7.6
72.5°	7.6	7.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
75°	5.0	5.0	5.0	5.0	5.0	3.8	3.8	3.8	3.8	3.8	3.8
77.5°	3.8	3.8	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: P212808

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1113.4	1100.8	1094.4	1107.1	1112.1	1105.8	1100.8	1091.9	1100.8	1105.8	1112.1
5°	1128.6	1117.2	1112.1	1121.0	1128.6	1122.2	1118.5	1109.6	1118.5	1122.2	1128.6
7.5°	1142.5	1131.1	1124.8	1133.6	1142.5	1133.6	1129.9	1122.2	1129.9	1133.6	1142.5
10°	1147.5	1134.9	1129.9	1137.4	1146.2	1137.4	1132.4	1127.4	1132.4	1137.4	1146.2
12.5°	1156.4	1143.8	1137.4	1143.8	1152.6	1143.8	1138.8	1134.9	1138.8	1143.8	1152.6
15°	1169.1	1157.6	1150.1	1156.4	1167.8	1157.6	1151.4	1150.1	1151.4	1157.6	1167.8
17.5°	1169.1	1160.2	1152.6	1157.6	1169.1	1161.5	1152.6	1155.1	1152.6	1161.5	1169.1
20°	1152.6	1143.8	1137.4	1137.4	1153.9	1143.8	1136.1	1140.0	1136.1	1143.8	1153.9
22.5°	1123.5	1115.9	1109.6	1108.4	1124.8	1115.9	1105.8	1113.4	1105.8	1115.9	1124.8
25°	1085.5	1078.0	1072.9	1070.4	1086.9	1076.8	1067.9	1075.5	1067.9	1076.8	1086.9
27.5°	1036.2	1029.9	1024.9	1021.0	1036.2	1027.4	1018.5	1026.1	1018.5	1027.4	1036.2
30°	973.0	969.1	964.1	959.0	974.2	965.4	956.5	966.6	956.5	965.4	974.2
32.5°	899.6	897.0	890.8	885.6	900.9	890.8	884.4	892.0	884.4	890.8	900.9
35°	814.8	811.0	807.2	798.4	814.8	806.0	806.0	808.5	806.0	806.0	814.8
37.5°	719.9	717.4	712.4	704.8	718.6	712.4	709.8	717.4	709.8	712.4	718.6
40°	613.6	612.4	608.6	599.8	614.9	608.6	604.8	614.9	604.8	608.6	614.9
42.5°	502.2	499.8	496.0	494.8	502.2	497.2	501.0	501.0	501.0	497.2	502.2
45°	387.1	384.6	382.1	377.0	385.9	383.4	382.1	384.6	382.1	383.4	385.9
47.5°	280.9	278.4	275.9	272.0	280.9	277.1	277.1	279.6	277.1	277.1	280.9
50°	188.5	189.8	188.5	186.0	188.5	187.2	188.5	191.0	188.5	187.2	188.5
52.5°	125.2	125.2	122.8	121.5	124.0	122.8	126.5	124.0	126.5	122.8	124.0
55°	75.9	77.1	75.9	74.6	75.9	74.6	78.5	77.1	78.5	74.6	75.9
57.5°	43.0	43.0	44.2	43.0	45.5	44.2	44.2	44.2	44.2	44.2	45.5
60°	24.0	24.0	24.0	24.0	24.0	24.0	25.2	24.0	25.2	24.0	24.0
62.5°	16.5	16.5	16.5	15.1	16.5	15.1	16.5	16.5	16.5	15.1	16.5
65°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
67.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
75°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P212808

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1107.1	1094.4	1100.8	1113.4	1095.6	1110.9	1102.0	1086.9	1086.9	1098.2	1100.8
5°	1121.0	1112.1	1117.2	1128.6	1110.9	1126.0	1115.9	1100.8	1099.5	1110.9	1114.6
7.5°	1133.6	1124.8	1131.1	1142.5	1123.5	1138.8	1129.9	1113.4	1110.9	1122.2	1126.0
10°	1137.4	1129.9	1134.9	1147.5	1128.6	1142.5	1136.1	1118.5	1117.2	1126.0	1131.1
12.5°	1143.8	1137.4	1143.8	1156.4	1137.4	1151.4	1145.0	1127.4	1124.8	1136.1	1140.0
15°	1156.4	1150.1	1157.6	1169.1	1151.4	1162.8	1156.4	1138.8	1137.4	1146.2	1151.4
17.5°	1157.6	1152.6	1160.2	1169.1	1151.4	1162.8	1157.6	1138.8	1137.4	1147.5	1151.4
20°	1137.4	1137.4	1143.8	1152.6	1133.6	1145.0	1140.0	1121.0	1121.0	1129.9	1133.6
22.5°	1108.4	1109.6	1115.9	1123.5	1104.5	1115.9	1110.9	1091.9	1093.1	1100.8	1105.8
25°	1070.4	1072.9	1078.0	1085.5	1067.9	1078.0	1070.4	1055.2	1053.9	1062.8	1069.1
27.5°	1021.0	1024.9	1029.9	1036.2	1019.8	1027.4	1022.2	1007.1	1005.9	1014.8	1021.0
30°	959.0	964.1	969.1	973.0	957.8	965.4	959.0	945.1	945.1	952.8	956.5
32.5°	885.6	890.8	897.0	899.6	884.4	893.2	888.1	873.0	873.0	880.6	888.1
35°	798.4	807.2	811.0	814.8	799.6	804.6	807.2	787.0	789.5	795.9	806.0
37.5°	704.8	712.4	717.4	719.9	706.0	711.0	712.4	694.6	697.1	702.2	713.6
40°	599.8	608.6	612.4	613.6	603.5	607.2	608.6	590.9	594.6	598.5	607.2
42.5°	494.8	496.0	499.8	502.2	493.4	494.8	497.2	480.8	485.9	487.1	496.0
45°	377.0	382.1	384.6	387.1	379.6	382.1	382.1	370.8	372.0	374.5	382.1
47.5°	272.0	275.9	278.4	280.9	274.5	277.1	277.1	265.8	269.5	270.8	275.9
50°	186.0	188.5	189.8	188.5	188.5	188.5	188.5	182.2	186.0	182.2	188.5
52.5°	121.5	122.8	125.2	125.2	121.5	124.0	124.0	118.9	120.2	120.2	124.0
55°	74.6	75.9	77.1	75.9	74.6	75.9	75.9	73.4	75.9	73.4	77.1
57.5°	43.0	44.2	43.0	43.0	43.0	43.0	43.0	43.0	43.0	41.8	44.2
60°	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	25.2
62.5°	15.1	16.5	16.5	16.5	16.5	16.5	16.5	15.1	16.5	16.5	16.5
65°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.9
67.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	11.4
70°	7.6	7.6	7.6	7.6	7.6	7.6	8.9	8.9	7.6	8.9	8.9
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
75°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.0
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: P212808

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1099.5	1089.4	1089.4	1078.0	1088.1	1089.4	1076.8	1072.9	1086.9	1071.6	1079.2
5°	1109.6	1099.5	1099.5	1088.1	1095.6	1095.6	1083.0	1076.8	1090.6	1075.5	1081.8
7.5°	1122.2	1110.9	1108.4	1097.0	1103.2	1104.5	1089.4	1080.5	1094.4	1076.8	1083.0
10°	1126.0	1113.4	1112.1	1100.8	1105.8	1107.1	1089.4	1081.8	1093.1	1074.1	1078.0
12.5°	1134.9	1121.0	1121.0	1109.6	1113.4	1113.4	1095.6	1085.5	1095.6	1076.8	1079.2
15°	1145.0	1129.9	1129.9	1118.5	1121.0	1122.2	1100.8	1090.6	1099.5	1079.2	1081.8
17.5°	1145.0	1128.6	1128.6	1118.5	1119.8	1118.5	1098.2	1086.9	1093.1	1071.6	1072.9
20°	1127.4	1110.9	1113.4	1102.0	1103.2	1102.0	1080.5	1069.1	1075.5	1052.6	1055.2
22.5°	1098.2	1083.0	1085.5	1075.5	1075.5	1074.1	1053.9	1042.5	1048.9	1026.1	1027.4
25°	1061.5	1046.4	1048.9	1038.8	1040.0	1040.0	1019.8	1007.1	1013.5	993.2	993.2
27.5°	1013.5	998.2	1002.0	995.8	991.9	993.2	975.5	962.9	969.1	950.1	950.1
30°	951.5	938.8	942.6	937.5	933.8	933.8	918.5	905.9	912.2	895.8	894.5
32.5°	878.1	868.0	871.8	868.0	864.1	868.0	851.5	838.9	845.1	832.5	833.8
35°	798.4	788.2	790.8	787.0	784.5	787.0	770.5	761.6	768.0	755.4	760.4
37.5°	709.8	692.1	699.6	697.1	694.6	695.9	680.8	674.4	682.0	674.4	678.1
40°	606.0	593.4	598.5	595.9	593.4	599.8	588.4	579.5	585.8	580.8	588.4
42.5°	493.4	483.4	489.6	488.4	484.6	492.1	483.4	477.0	487.1	484.6	490.9
45°	379.6	372.0	377.0	377.0	375.8	382.1	373.2	374.5	384.6	388.4	396.0
47.5°	274.5	263.1	269.5	273.2	273.2	279.6	274.5	279.6	291.0	298.6	304.9
50°	187.2	184.8	186.0	187.2	189.8	194.9	193.6	201.1	208.8	221.4	229.0
52.5°	124.0	121.5	124.0	125.2	127.8	132.9	132.9	141.8	150.5	162.0	170.8
55°	77.1	75.9	77.1	78.5	81.0	86.0	87.2	96.1	105.0	116.4	124.0
57.5°	44.2	45.5	45.5	48.1	49.4	53.1	56.9	62.0	72.1	83.5	91.1
60°	25.2	25.2	26.6	27.9	29.1	32.9	35.4	40.5	48.1	59.5	64.5
62.5°	16.5	16.5	17.8	17.8	19.0	21.5	24.0	29.1	35.4	44.2	49.4
65°	13.9	13.9	13.9	15.1	15.1	17.8	20.2	24.0	29.1	35.4	40.5
67.5°	11.4	11.4	11.4	12.6	12.6	13.9	16.5	19.0	22.8	27.9	31.6
70°	8.9	8.9	8.9	10.1	10.1	11.4	12.6	13.9	17.8	21.5	24.0
72.5°	6.4	6.4	7.6	7.6	7.6	8.9	10.1	11.4	13.9	16.5	17.8
75°	5.0	5.0	5.0	5.0	6.4	6.4	7.6	8.9	10.1	11.4	12.6
77.5°	2.5	2.5	3.8	3.8	3.8	5.0	5.0	6.4	7.6	8.9	8.9
80°	2.5	2.5	2.5	2.5	2.5	3.8	3.8	3.8	5.0	6.4	6.4
82.5°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	3.8	3.8	3.8
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: P212808

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9	1086.9
2.5°	1070.4	1074.1	1074.1	1070.4	1060.2	1069.1	1078.0	1069.1	1080.5	1060.2	1060.2
5°	1070.4	1072.9	1071.6	1066.6	1056.5	1064.0	1070.4	1061.5	1070.4	1051.4	1050.1
7.5°	1072.9	1070.4	1067.9	1061.5	1048.9	1053.9	1060.2	1050.1	1059.0	1038.8	1036.2
10°	1067.9	1064.0	1059.0	1050.1	1036.2	1040.0	1043.8	1035.0	1041.2	1021.0	1019.8
12.5°	1067.9	1061.5	1053.9	1043.8	1028.6	1031.1	1035.0	1023.6	1028.6	1009.6	1007.1
15°	1070.4	1059.0	1050.1	1038.8	1022.2	1023.6	1026.1	1013.5	1018.5	998.2	997.0
17.5°	1061.5	1048.9	1040.0	1026.1	1008.4	1009.6	1009.6	997.0	1000.8	980.5	979.2
20°	1042.5	1027.4	1017.2	1004.6	985.6	985.6	985.6	973.0	975.5	957.8	955.2
22.5°	1016.0	999.5	989.4	976.8	959.0	957.8	956.5	946.4	946.4	930.0	926.1
25°	980.5	965.4	955.2	943.9	926.1	923.6	923.6	914.8	913.5	898.2	895.8
27.5°	940.0	922.4	913.5	903.4	886.9	884.4	883.1	878.1	875.5	859.1	857.9
30°	885.6	870.5	862.9	854.0	838.9	836.4	835.0	830.0	828.8	812.2	812.2
32.5°	827.5	808.5	803.4	794.5	783.1	781.9	783.1	776.9	771.8	760.4	757.9
35°	757.9	738.9	735.1	731.2	722.5	719.9	718.6	717.4	711.0	703.5	699.6
37.5°	676.9	660.5	660.5	659.1	652.9	652.9	652.9	650.4	644.0	641.5	633.9
40°	589.6	577.0	578.2	579.5	577.0	578.2	579.5	577.0	571.9	569.4	563.0
42.5°	496.0	489.6	494.8	498.5	498.5	502.2	504.9	504.9	498.5	497.2	492.1
45°	402.4	401.1	411.2	418.8	421.4	427.6	431.5	428.9	428.9	428.9	423.9
47.5°	315.0	320.1	329.0	344.1	349.2	356.8	359.4	363.1	361.9	363.1	359.4
50°	239.1	250.5	261.9	277.1	284.6	293.5	297.4	302.4	302.4	303.6	301.1
52.5°	180.9	189.8	208.8	218.9	227.8	236.6	241.6	246.8	248.0	248.0	245.5
55°	134.1	146.8	159.4	173.4	180.9	189.8	193.6	198.6	198.6	201.1	198.6
57.5°	97.4	110.1	124.0	134.1	143.0	149.2	153.1	156.9	159.4	159.4	158.1
60°	72.1	82.2	93.6	103.8	111.4	117.6	120.2	124.0	125.2	125.2	122.8
62.5°	54.4	64.5	74.6	83.5	88.6	93.6	96.1	98.6	98.6	98.6	97.4
65°	44.2	51.9	59.5	67.0	72.1	75.9	77.1	79.8	78.5	79.8	78.5
67.5°	35.4	40.5	46.9	51.9	55.6	58.2	59.5	62.0	60.8	62.0	60.8
70°	26.6	31.6	35.4	39.2	41.8	44.2	45.5	46.9	45.5	46.9	45.5
72.5°	20.2	22.8	26.6	30.4	31.6	32.9	34.1	34.1	34.1	35.4	34.1
75°	13.9	16.5	19.0	20.2	22.8	24.0	24.0	25.2	25.2	25.2	25.2
77.5°	10.1	11.4	12.6	13.9	15.1	16.5	16.5	17.8	17.8	17.8	17.8
80°	6.4	7.6	7.6	8.9	10.1	10.1	11.4	11.4	11.4	11.4	11.4
82.5°	3.8	5.0	5.0	6.4	6.4	6.4	7.6	7.6	7.6	7.6	7.6
85°	2.5	2.5	2.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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: P212808

CATALOG NUMBER: LE_6B20D010 EC6B10209730 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1086.9	1086.9	1086.9	1086.9
2.5°	1070.4	1064.0	1074.1	1059.0
5°	1059.0	1052.6	1065.4	1046.4
7.5°	1045.1	1038.8	1050.1	1031.1
10°	1027.4	1021.0	1031.1	1010.9
12.5°	1012.1	1005.9	1017.2	998.2
15°	1000.8	994.5	1004.6	986.9
17.5°	983.1	975.5	986.9	967.9
20°	957.8	952.8	961.6	942.6
22.5°	928.6	923.6	933.8	914.8
25°	898.2	892.0	902.1	883.1
27.5°	859.1	854.0	864.1	845.1
30°	812.2	807.2	817.4	799.6
32.5°	759.1	754.1	761.6	746.5
35°	698.4	694.6	702.2	685.8
37.5°	632.6	628.9	636.4	620.0
40°	561.8	558.0	564.2	556.8
42.5°	492.1	488.4	494.8	488.4
45°	423.9	421.4	427.6	421.4
47.5°	360.6	358.0	364.4	358.0
50°	299.9	301.1	303.6	301.1
52.5°	245.5	245.5	249.2	245.5
55°	198.6	199.9	201.1	198.6
57.5°	158.1	158.1	159.4	158.1
60°	122.8	124.0	124.0	122.8
62.5°	97.4	97.4	97.4	97.4
65°	77.1	77.1	78.5	77.1
67.5°	60.8	59.5	60.8	59.5
70°	45.5	45.5	45.5	45.5
72.5°	35.4	35.4	34.1	34.1
75°	25.2	26.6	25.2	25.2
77.5°	17.8	17.8	17.8	17.8
80°	11.4	11.4	11.4	11.4
82.5°	7.6	7.6	7.6	7.6
85°	5.0	3.8	3.8	3.8
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)