

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: P212785

Luminaire Tested: **LE_6B15D010 EC6B10208035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212785
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 EC6B10208035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1795.0 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

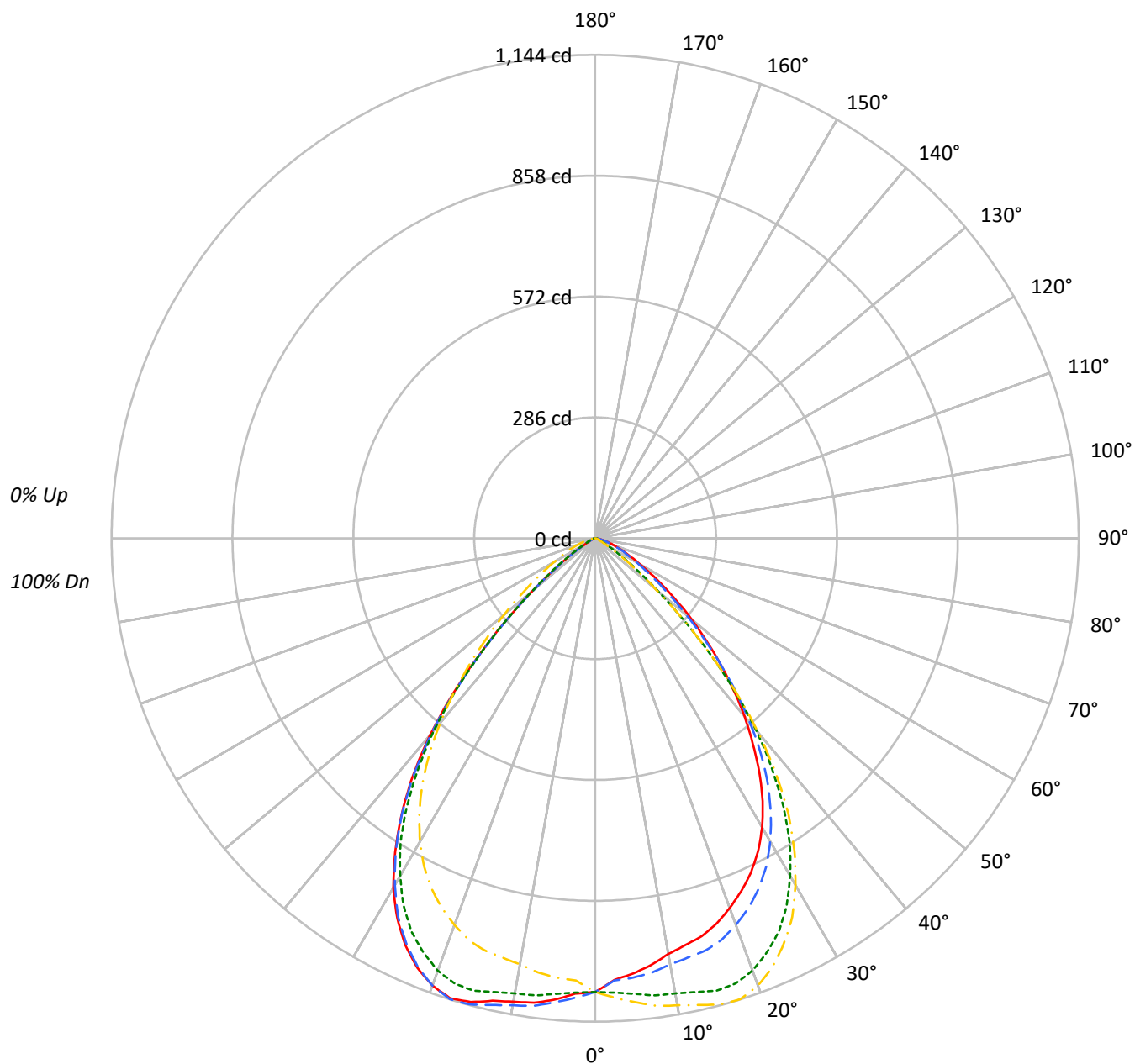
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	99		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	58855	58855	58855	58855
5°	56879	59564	60318	59564
10°	55588	60876	61990	60876
15°	55329	62918	64478	62918
20°	54319	63507	65695	63507
25°	52769	62145	64262	62145
30°	50001	58389	60446	58389
35°	45334	52026	53445	52026
40°	39352	42394	43467	42394
45°	32267	29267	29460	29267
50°	25372	16417	16102	16417
55°	18752	8124	7283	8124
60°	13288	3563	2609	3563
65°	9884	2270	1621	2270
70°	7213	1795	1202	1795
75°	5295	1313	805	1313
80°	3536	1200	379	1200
85°	2390	755	755	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	5.7
10°-20°	304.4	17.0
20°-30°	454.3	25.3
30°-40°	466.7	26.0
40°-50°	302.2	16.8
50°-60°	112.4	6.3
60°-70°	36.9	2.1
70°-80°	13.0	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°	861.5	48.0
0°-40°	1328.2	74.0
0°-60°	1742.8	97.1
0°-90°	1795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1795.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1074	1074	1074	1074	1074	
5°	1034	1082	1096	1082	1034	98
15°	975	1109	1136	1109	975	274
25°	872	1027	1062	1027	872	400
35°	677	777	799	777	677	421
45°	416	378	380	378	416	322
55°	196	85	76	85	196	179
65°	76	18	12	18	76	78
75°	25	6	4	6	25	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°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1046.1	1061.1	1051.1	1057.4	1047.4	1047.4	1067.4	1056.1	1064.9	1056.1	1047.4
5°	1033.6	1052.4	1039.9	1046.1	1037.4	1038.6	1057.4	1048.6	1057.4	1051.1	1043.6
7.5°	1018.6	1037.4	1026.1	1032.4	1023.6	1026.1	1046.1	1037.4	1047.4	1041.1	1036.1
10°	998.6	1018.6	1008.6	1014.9	1007.4	1008.6	1028.6	1022.4	1031.1	1027.4	1023.6
12.5°	986.1	1004.9	993.6	999.9	994.9	997.4	1016.1	1011.1	1022.4	1018.6	1016.1
15°	974.9	992.4	982.4	988.6	984.9	986.1	1006.1	1001.1	1013.6	1011.1	1009.9
17.5°	956.1	974.9	963.6	971.1	967.4	968.6	988.6	984.9	997.4	997.4	996.1
20°	931.1	949.9	941.1	946.1	943.6	946.1	963.6	961.1	973.6	973.6	973.6
22.5°	903.6	922.4	912.4	917.4	914.9	918.6	934.9	934.9	944.9	946.1	947.4
25°	872.4	891.1	881.1	887.4	884.9	887.4	902.4	903.6	912.4	912.4	914.9
27.5°	834.9	853.6	843.6	848.6	847.4	848.6	864.9	867.4	872.4	873.6	876.1
30°	789.9	807.4	797.4	802.4	802.4	802.4	818.6	819.9	824.9	826.1	828.6
32.5°	737.4	752.4	744.9	749.9	748.6	751.1	762.4	767.4	773.6	772.4	773.6
35°	677.4	693.6	686.1	689.9	691.1	694.9	702.4	708.6	709.9	711.1	713.6
37.5°	612.4	628.6	621.1	624.9	626.1	633.6	636.1	642.4	644.9	644.9	644.9
40°	549.9	557.4	551.1	554.9	556.1	562.4	564.9	569.9	572.4	571.1	569.9
42.5°	482.4	488.6	482.4	486.1	486.1	491.1	492.4	498.6	498.6	496.1	492.4
45°	416.2	422.5	416.2	418.8	418.8	423.8	423.8	423.8	426.2	422.5	416.2
47.5°	353.8	360.0	353.8	356.2	355.0	358.8	357.5	358.8	355.0	352.5	345.0
50°	297.5	300.0	297.5	296.2	297.5	300.0	298.8	298.8	293.8	290.0	281.2
52.5°	242.5	246.2	242.5	242.5	242.5	245.0	245.0	243.8	238.8	233.8	225.0
55°	196.2	198.8	197.5	196.2	196.2	198.8	196.2	196.2	191.2	187.5	178.8
57.5°	156.2	157.5	156.2	156.2	156.2	157.5	157.5	155.0	151.2	147.5	141.2
60°	121.2	122.5	122.5	121.2	121.2	123.8	123.8	122.5	118.8	116.2	110.0
62.5°	96.2	96.2	96.2	96.2	96.2	97.5	97.5	97.5	95.0	92.5	87.5
65°	76.2	77.5	76.2	76.2	77.5	78.8	77.5	78.8	76.2	75.0	71.2
67.5°	58.8	60.0	58.8	60.0	60.0	61.2	60.0	61.2	58.8	57.5	55.0
70°	45.0	45.0	45.0	45.0	45.0	46.2	45.0	46.2	45.0	43.8	41.2
72.5°	33.8	33.8	35.0	35.0	33.8	35.0	33.8	33.8	33.8	32.5	31.2
75°	25.0	25.0	26.2	25.0	25.0	25.0	25.0	25.0	23.8	23.8	22.5
77.5°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	16.2	16.2	15.0
80°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	10.0	10.0
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	6.2	6.2
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°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1057.4	1061.1	1061.1	1057.4	1066.1	1058.6	1073.6	1059.9	1063.6	1076.1	1074.9
5°	1053.6	1058.6	1059.9	1057.4	1068.6	1062.4	1077.4	1063.6	1069.9	1082.4	1082.4
7.5°	1048.6	1054.9	1057.4	1059.9	1069.9	1063.6	1081.1	1067.4	1076.1	1091.1	1089.9
10°	1037.4	1046.1	1051.1	1054.9	1064.9	1061.1	1079.9	1068.6	1076.1	1093.6	1092.4
12.5°	1031.1	1041.1	1048.6	1054.9	1066.1	1063.6	1082.4	1072.4	1082.4	1099.9	1099.9
15°	1026.1	1037.4	1046.1	1057.4	1068.6	1066.1	1086.1	1077.4	1087.4	1108.6	1107.4
17.5°	1013.6	1027.4	1036.1	1048.6	1059.9	1058.6	1079.9	1073.6	1084.9	1104.9	1106.1
20°	992.4	1004.9	1014.9	1029.9	1042.4	1039.9	1062.4	1056.1	1067.4	1088.6	1089.9
22.5°	964.9	977.4	987.4	1003.6	1014.9	1013.6	1036.1	1029.9	1041.1	1061.1	1062.4
25°	932.4	943.6	953.6	968.6	981.1	981.1	1001.1	994.9	1007.4	1027.4	1027.4
27.5°	892.4	902.4	911.1	928.6	938.6	938.6	957.4	951.1	963.6	981.1	979.9
30°	843.6	852.4	859.9	874.9	883.6	884.9	901.1	894.9	907.4	922.4	922.4
32.5°	784.9	793.6	798.6	817.4	823.6	822.4	834.9	828.6	841.1	857.4	853.6
35°	722.4	726.1	729.9	748.6	751.1	746.1	758.6	752.4	761.1	777.4	774.9
37.5°	651.1	652.4	652.4	668.6	669.9	666.1	673.6	666.1	672.4	687.4	686.1
40°	572.4	571.1	569.9	582.4	581.1	573.6	578.6	572.4	581.1	592.4	586.1
42.5°	492.4	488.6	483.6	489.9	484.9	478.8	481.2	471.2	477.5	486.1	478.8
45°	413.8	406.2	396.2	397.5	391.2	383.8	380.0	370.0	368.8	377.5	371.2
47.5°	340.0	325.0	316.2	311.2	301.2	295.0	287.5	276.2	271.2	276.2	270.0
50°	273.8	258.8	247.5	236.2	226.2	218.8	206.2	198.8	191.2	192.5	187.5
52.5°	216.2	206.2	187.5	178.8	168.8	160.0	148.8	140.0	131.2	131.2	126.2
55°	171.2	157.5	145.0	132.5	122.5	115.0	103.8	95.0	86.2	85.0	80.0
57.5°	132.5	122.5	108.8	96.2	90.0	82.5	71.2	61.2	56.2	52.5	48.8
60°	102.5	92.5	81.2	71.2	63.8	58.8	47.5	40.0	35.0	32.5	28.8
62.5°	82.5	73.8	63.8	53.8	48.8	43.8	35.0	28.8	23.8	21.2	18.8
65°	66.2	58.8	51.2	43.8	40.0	35.0	28.8	23.8	20.0	17.5	15.0
67.5°	51.2	46.2	40.0	35.0	31.2	27.5	22.5	18.8	16.2	13.8	12.5
70°	38.8	35.0	31.2	26.2	23.8	21.2	17.5	13.8	12.5	11.2	10.0
72.5°	30.0	26.2	22.5	20.0	17.5	16.2	13.8	11.2	10.0	8.8	7.5
75°	20.0	18.8	16.2	13.8	12.5	11.2	10.0	8.8	7.5	6.2	6.2
77.5°	13.8	12.5	11.2	10.0	8.8	8.8	7.5	6.2	5.0	5.0	3.8
80°	8.8	7.5	7.5	6.2	6.2	6.2	5.0	3.8	3.8	3.8	2.5
82.5°	6.2	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°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1064.9	1076.1	1076.1	1086.1	1087.4	1084.9	1073.6	1073.6	1088.6	1097.4	1082.4
5°	1074.9	1086.1	1086.1	1096.1	1101.1	1097.4	1086.1	1087.4	1102.4	1112.4	1097.4
7.5°	1083.6	1094.9	1097.4	1108.6	1112.4	1108.6	1097.4	1099.9	1116.1	1124.9	1109.9
10°	1087.4	1098.6	1099.9	1112.4	1117.4	1112.4	1103.6	1104.9	1122.4	1128.6	1114.9
12.5°	1096.1	1107.4	1107.4	1121.1	1126.1	1122.4	1111.1	1113.6	1131.1	1137.4	1123.6
15°	1104.9	1116.1	1116.1	1131.1	1137.4	1132.4	1123.6	1124.9	1142.4	1148.6	1137.4
17.5°	1104.9	1114.9	1114.9	1131.1	1137.4	1133.6	1123.6	1124.9	1143.6	1148.6	1137.4
20°	1088.6	1099.9	1097.4	1113.6	1119.9	1116.1	1107.4	1107.4	1126.1	1131.1	1119.9
22.5°	1062.4	1072.4	1069.9	1084.9	1092.4	1087.4	1079.9	1078.6	1097.4	1102.4	1091.1
25°	1026.1	1036.1	1033.6	1048.6	1056.1	1049.9	1041.1	1042.4	1057.4	1064.9	1054.9
27.5°	983.6	989.9	986.1	1001.1	1008.6	1002.4	993.6	994.9	1009.9	1014.9	1007.4
30°	926.1	931.1	927.4	939.9	944.9	941.1	933.6	933.6	947.4	953.6	946.1
32.5°	857.4	861.1	857.4	867.4	877.4	869.9	862.4	862.4	877.4	882.4	873.6
35°	777.4	781.1	778.6	788.6	796.1	786.1	779.9	777.4	797.4	794.9	789.9
37.5°	688.6	691.1	683.6	701.1	704.9	693.6	688.6	686.1	703.6	702.4	697.4
40°	588.6	591.1	586.1	598.6	599.9	591.1	587.4	583.6	601.1	599.9	596.1
42.5°	482.4	483.6	477.5	487.4	489.9	481.2	480.0	475.0	491.1	488.6	487.4
45°	372.5	372.5	367.5	375.0	377.5	370.0	367.5	366.2	377.5	377.5	375.0
47.5°	270.0	266.2	260.0	271.2	272.5	267.5	266.2	262.5	273.8	273.8	271.2
50°	185.0	183.8	182.5	185.0	186.2	180.0	183.8	180.0	186.2	186.2	186.2
52.5°	123.8	122.5	120.0	122.5	122.5	118.8	118.8	117.5	122.5	122.5	120.0
55°	77.5	76.2	75.0	76.2	76.2	72.5	75.0	72.5	75.0	75.0	73.8
57.5°	47.5	45.0	45.0	43.8	43.8	41.2	42.5	42.5	42.5	42.5	42.5
60°	27.5	26.2	25.0	25.0	25.0	23.8	23.8	23.8	23.8	23.8	23.8
62.5°	17.5	17.5	16.2	16.2	16.2	16.2	16.2	15.0	16.2	16.2	16.2
65°	15.0	13.8	13.8	13.8	13.8	12.5	12.5	12.5	12.5	12.5	12.5
67.5°	12.5	11.2	11.2	11.2	11.2	10.0	10.0	10.0	10.0	10.0	10.0
70°	10.0	8.8	8.8	8.8	8.8	8.8	7.5	8.8	8.8	7.5	7.5
72.5°	7.5	7.5	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
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: P212785

CATALOG NUMBER: LE_6B15D010 EC6B10208035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1099.9	1087.4	1081.1	1093.6	1098.6	1092.4	1087.4	1078.6	1087.4	1092.4	1098.6
5°	1114.9	1103.6	1098.6	1107.4	1114.9	1108.6	1104.9	1096.1	1104.9	1108.6	1114.9
7.5°	1128.6	1117.4	1111.1	1119.9	1128.6	1119.9	1116.1	1108.6	1116.1	1119.9	1128.6
10°	1133.6	1121.1	1116.1	1123.6	1132.4	1123.6	1118.6	1113.6	1118.6	1123.6	1132.4
12.5°	1142.4	1129.9	1123.6	1129.9	1138.6	1129.9	1124.9	1121.1	1124.9	1129.9	1138.6
15°	1154.9	1143.6	1136.1	1142.4	1153.6	1143.6	1137.4	1136.1	1137.4	1143.6	1153.6
17.5°	1154.9	1146.1	1138.6	1143.6	1154.9	1147.4	1138.6	1141.1	1138.6	1147.4	1154.9
20°	1138.6	1129.9	1123.6	1123.6	1139.9	1129.9	1122.4	1126.1	1122.4	1129.9	1139.9
22.5°	1109.9	1102.4	1096.1	1094.9	1111.1	1102.4	1092.4	1099.9	1092.4	1102.4	1111.1
25°	1072.4	1064.9	1059.9	1057.4	1073.6	1063.6	1054.9	1062.4	1054.9	1063.6	1073.6
27.5°	1023.6	1017.4	1012.4	1008.6	1023.6	1014.9	1006.1	1013.6	1006.1	1014.9	1023.6
30°	961.1	957.4	952.4	947.4	962.4	953.6	944.9	954.9	944.9	953.6	962.4
32.5°	888.6	886.1	879.9	874.9	889.9	879.9	873.6	881.1	873.6	879.9	889.9
35°	804.9	801.1	797.4	788.6	804.9	796.1	796.1	798.6	796.1	796.1	804.9
37.5°	711.1	708.6	703.6	696.1	709.9	703.6	701.1	708.6	701.1	703.6	709.9
40°	606.1	604.9	601.1	592.4	607.4	601.1	597.4	607.4	597.4	601.1	607.4
42.5°	496.1	493.6	489.9	488.6	496.1	491.1	494.9	494.9	494.9	491.1	496.1
45°	382.5	380.0	377.5	372.5	381.2	378.8	377.5	380.0	377.5	378.8	381.2
47.5°	277.5	275.0	272.5	268.8	277.5	273.8	273.8	276.2	273.8	273.8	277.5
50°	186.2	187.5	186.2	183.8	186.2	185.0	186.2	188.8	186.2	185.0	186.2
52.5°	123.8	123.8	121.2	120.0	122.5	121.2	125.0	122.5	125.0	121.2	122.5
55°	75.0	76.2	75.0	73.8	75.0	73.8	77.5	76.2	77.5	73.8	75.0
57.5°	42.5	42.5	43.8	42.5	45.0	43.8	43.8	43.8	43.8	43.8	45.0
60°	23.8	23.8	23.8	23.8	23.8	23.8	25.0	23.8	25.0	23.8	23.8
62.5°	16.2	16.2	16.2	15.0	16.2	15.0	16.2	16.2	16.2	15.0	16.2
65°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
67.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
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: P212785

CATALOG NUMBER: LE_6B15D010 EC6B10208035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1093.6	1081.1	1087.4	1099.9	1082.4	1097.4	1088.6	1073.6	1073.6	1084.9	1087.4
5°	1107.4	1098.6	1103.6	1114.9	1097.4	1112.4	1102.4	1087.4	1086.1	1097.4	1101.1
7.5°	1119.9	1111.1	1117.4	1128.6	1109.9	1124.9	1116.1	1099.9	1097.4	1108.6	1112.4
10°	1123.6	1116.1	1121.1	1133.6	1114.9	1128.6	1122.4	1104.9	1103.6	1112.4	1117.4
12.5°	1129.9	1123.6	1129.9	1142.4	1123.6	1137.4	1131.1	1113.6	1111.1	1122.4	1126.1
15°	1142.4	1136.1	1143.6	1154.9	1137.4	1148.6	1142.4	1124.9	1123.6	1132.4	1137.4
17.5°	1143.6	1138.6	1146.1	1154.9	1137.4	1148.6	1143.6	1124.9	1123.6	1133.6	1137.4
20°	1123.6	1123.6	1129.9	1138.6	1119.9	1131.1	1126.1	1107.4	1107.4	1116.1	1119.9
22.5°	1094.9	1096.1	1102.4	1109.9	1091.1	1102.4	1097.4	1078.6	1079.9	1087.4	1092.4
25°	1057.4	1059.9	1064.9	1072.4	1054.9	1064.9	1057.4	1042.4	1041.1	1049.9	1056.1
27.5°	1008.6	1012.4	1017.4	1023.6	1007.4	1014.9	1009.9	994.9	993.6	1002.4	1008.6
30°	947.4	952.4	957.4	961.1	946.1	953.6	947.4	933.6	933.6	941.1	944.9
32.5°	874.9	879.9	886.1	888.6	873.6	882.4	877.4	862.4	862.4	869.9	877.4
35°	788.6	797.4	801.1	804.9	789.9	794.9	797.4	777.4	779.9	786.1	796.1
37.5°	696.1	703.6	708.6	711.1	697.4	702.4	703.6	686.1	688.6	693.6	704.9
40°	592.4	601.1	604.9	606.1	596.1	599.9	601.1	583.6	587.4	591.1	599.9
42.5°	488.6	489.9	493.6	496.1	487.4	488.6	491.1	475.0	480.0	481.2	489.9
45°	372.5	377.5	380.0	382.5	375.0	377.5	377.5	366.2	367.5	370.0	377.5
47.5°	268.8	272.5	275.0	277.5	271.2	273.8	273.8	262.5	266.2	267.5	272.5
50°	183.8	186.2	187.5	186.2	186.2	186.2	186.2	180.0	183.8	180.0	186.2
52.5°	120.0	121.2	123.8	123.8	120.0	122.5	122.5	117.5	118.8	118.8	122.5
55°	73.8	75.0	76.2	75.0	73.8	75.0	75.0	72.5	75.0	72.5	76.2
57.5°	42.5	43.8	42.5	42.5	42.5	42.5	42.5	42.5	42.5	41.2	43.8
60°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	25.0
62.5°	15.0	16.2	16.2	16.2	16.2	16.2	16.2	15.0	16.2	16.2	16.2
65°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	13.8
67.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.2
70°	7.5	7.5	7.5	7.5	7.5	7.5	8.8	8.8	7.5	8.8	8.8
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
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: P212785

CATALOG NUMBER: LE_6B15D010 EC6B10208035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1086.1	1076.1	1076.1	1064.9	1074.9	1076.1	1063.6	1059.9	1073.6	1058.6	1066.1
5°	1096.1	1086.1	1086.1	1074.9	1082.4	1082.4	1069.9	1063.6	1077.4	1062.4	1068.6
7.5°	1108.6	1097.4	1094.9	1083.6	1089.9	1091.1	1076.1	1067.4	1081.1	1063.6	1069.9
10°	1112.4	1099.9	1098.6	1087.4	1092.4	1093.6	1076.1	1068.6	1079.9	1061.1	1064.9
12.5°	1121.1	1107.4	1107.4	1096.1	1099.9	1099.9	1082.4	1072.4	1082.4	1063.6	1066.1
15°	1131.1	1116.1	1116.1	1104.9	1107.4	1108.6	1087.4	1077.4	1086.1	1066.1	1068.6
17.5°	1131.1	1114.9	1114.9	1104.9	1106.1	1104.9	1084.9	1073.6	1079.9	1058.6	1059.9
20°	1113.6	1097.4	1099.9	1088.6	1089.9	1088.6	1067.4	1056.1	1062.4	1039.9	1042.4
22.5°	1084.9	1069.9	1072.4	1062.4	1062.4	1061.1	1041.1	1029.9	1036.1	1013.6	1014.9
25°	1048.6	1033.6	1036.1	1026.1	1027.4	1027.4	1007.4	994.9	1001.1	981.1	981.1
27.5°	1001.1	986.1	989.9	983.6	979.9	981.1	963.6	951.1	957.4	938.6	938.6
30°	939.9	927.4	931.1	926.1	922.4	922.4	907.4	894.9	901.1	884.9	883.6
32.5°	867.4	857.4	861.1	857.4	853.6	857.4	841.1	828.6	834.9	822.4	823.6
35°	788.6	778.6	781.1	777.4	774.9	777.4	761.1	752.4	758.6	746.1	751.1
37.5°	701.1	683.6	691.1	688.6	686.1	687.4	672.4	666.1	673.6	666.1	669.9
40°	598.6	586.1	591.1	588.6	586.1	592.4	581.1	572.4	578.6	573.6	581.1
42.5°	487.4	477.5	483.6	482.4	478.8	486.1	477.5	471.2	481.2	478.8	484.9
45°	375.0	367.5	372.5	372.5	371.2	377.5	368.8	370.0	380.0	383.8	391.2
47.5°	271.2	260.0	266.2	270.0	270.0	276.2	271.2	276.2	287.5	295.0	301.2
50°	185.0	182.5	183.8	185.0	187.5	192.5	191.2	198.8	206.2	218.8	226.2
52.5°	122.5	120.0	122.5	123.8	126.2	131.2	131.2	140.0	148.8	160.0	168.8
55°	76.2	75.0	76.2	77.5	80.0	85.0	86.2	95.0	103.8	115.0	122.5
57.5°	43.8	45.0	45.0	47.5	48.8	52.5	56.2	61.2	71.2	82.5	90.0
60°	25.0	25.0	26.2	27.5	28.8	32.5	35.0	40.0	47.5	58.8	63.8
62.5°	16.2	16.2	17.5	17.5	18.8	21.2	23.8	28.8	35.0	43.8	48.8
65°	13.8	13.8	13.8	15.0	15.0	17.5	20.0	23.8	28.8	35.0	40.0
67.5°	11.2	11.2	11.2	12.5	12.5	13.8	16.2	18.8	22.5	27.5	31.2
70°	8.8	8.8	8.8	10.0	10.0	11.2	12.5	13.8	17.5	21.2	23.8
72.5°	6.2	6.2	7.5	7.5	7.5	8.8	10.0	11.2	13.8	16.2	17.5
75°	5.0	5.0	5.0	5.0	6.2	6.2	7.5	8.8	10.0	11.2	12.5
77.5°	2.5	2.5	3.8	3.8	3.8	5.0	5.0	6.2	7.5	8.8	8.8
80°	2.5	2.5	2.5	2.5	2.5	3.8	3.8	3.8	5.0	6.2	6.2
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: P212785

CATALOG NUMBER: LE_6B15D010 EC6B10208035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1057.4	1061.1	1061.1	1057.4	1047.4	1056.1	1064.9	1056.1	1067.4	1047.4	1047.4
5°	1057.4	1059.9	1058.6	1053.6	1043.6	1051.1	1057.4	1048.6	1057.4	1038.6	1037.4
7.5°	1059.9	1057.4	1054.9	1048.6	1036.1	1041.1	1047.4	1037.4	1046.1	1026.1	1023.6
10°	1054.9	1051.1	1046.1	1037.4	1023.6	1027.4	1031.1	1022.4	1028.6	1008.6	1007.4
12.5°	1054.9	1048.6	1041.1	1031.1	1016.1	1018.6	1022.4	1011.1	1016.1	997.4	994.9
15°	1057.4	1046.1	1037.4	1026.1	1009.9	1011.1	1013.6	1001.1	1006.1	986.1	984.9
17.5°	1048.6	1036.1	1027.4	1013.6	996.1	997.4	997.4	984.9	988.6	968.6	967.4
20°	1029.9	1014.9	1004.9	992.4	973.6	973.6	973.6	961.1	963.6	946.1	943.6
22.5°	1003.6	987.4	977.4	964.9	947.4	946.1	944.9	934.9	934.9	918.6	914.9
25°	968.6	953.6	943.6	932.4	914.9	912.4	912.4	903.6	902.4	887.4	884.9
27.5°	928.6	911.1	902.4	892.4	876.1	873.6	872.4	867.4	864.9	848.6	847.4
30°	874.9	859.9	852.4	843.6	828.6	826.1	824.9	819.9	818.6	802.4	802.4
32.5°	817.4	798.6	793.6	784.9	773.6	772.4	773.6	767.4	762.4	751.1	748.6
35°	748.6	729.9	726.1	722.4	713.6	711.1	709.9	708.6	702.4	694.9	691.1
37.5°	668.6	652.4	652.4	651.1	644.9	644.9	644.9	642.4	636.1	633.6	626.1
40°	582.4	569.9	571.1	572.4	569.9	571.1	572.4	569.9	564.9	562.4	556.1
42.5°	489.9	483.6	488.6	492.4	492.4	496.1	498.6	498.6	492.4	491.1	486.1
45°	397.5	396.2	406.2	413.8	416.2	422.5	426.2	423.8	423.8	423.8	418.8
47.5°	311.2	316.2	325.0	340.0	345.0	352.5	355.0	358.8	357.5	358.8	355.0
50°	236.2	247.5	258.8	273.8	281.2	290.0	293.8	298.8	298.8	300.0	297.5
52.5°	178.8	187.5	206.2	216.2	225.0	233.8	238.8	243.8	245.0	245.0	242.5
55°	132.5	145.0	157.5	171.2	178.8	187.5	191.2	196.2	196.2	198.8	196.2
57.5°	96.2	108.8	122.5	132.5	141.2	147.5	151.2	155.0	157.5	157.5	156.2
60°	71.2	81.2	92.5	102.5	110.0	116.2	118.8	122.5	123.8	123.8	121.2
62.5°	53.8	63.8	73.8	82.5	87.5	92.5	95.0	97.5	97.5	97.5	96.2
65°	43.8	51.2	58.8	66.2	71.2	75.0	76.2	78.8	77.5	78.8	77.5
67.5°	35.0	40.0	46.2	51.2	55.0	57.5	58.8	61.2	60.0	61.2	60.0
70°	26.2	31.2	35.0	38.8	41.2	43.8	45.0	46.2	45.0	46.2	45.0
72.5°	20.0	22.5	26.2	30.0	31.2	32.5	33.8	33.8	33.8	35.0	33.8
75°	13.8	16.2	18.8	20.0	22.5	23.8	23.8	25.0	25.0	25.0	25.0
77.5°	10.0	11.2	12.5	13.8	15.0	16.2	16.2	17.5	17.5	17.5	17.5
80°	6.2	7.5	7.5	8.8	10.0	10.0	11.2	11.2	11.2	11.2	11.2
82.5°	3.8	5.0	5.0	6.2	6.2	6.2	7.5	7.5	7.5	7.5	7.5
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: P212785

CATALOG NUMBER: LE_6B15D010 EC6B10208035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1073.6	1073.6	1073.6	1073.6
2.5°	1057.4	1051.1	1061.1	1046.1
5°	1046.1	1039.9	1052.4	1033.6
7.5°	1032.4	1026.1	1037.4	1018.6
10°	1014.9	1008.6	1018.6	998.6
12.5°	999.9	993.6	1004.9	986.1
15°	988.6	982.4	992.4	974.9
17.5°	971.1	963.6	974.9	956.1
20°	946.1	941.1	949.9	931.1
22.5°	917.4	912.4	922.4	903.6
25°	887.4	881.1	891.1	872.4
27.5°	848.6	843.6	853.6	834.9
30°	802.4	797.4	807.4	789.9
32.5°	749.9	744.9	752.4	737.4
35°	689.9	686.1	693.6	677.4
37.5°	624.9	621.1	628.6	612.4
40°	554.9	551.1	557.4	549.9
42.5°	486.1	482.4	488.6	482.4
45°	418.8	416.2	422.5	416.2
47.5°	356.2	353.8	360.0	353.8
50°	296.2	297.5	300.0	297.5
52.5°	242.5	242.5	246.2	242.5
55°	196.2	197.5	198.8	196.2
57.5°	156.2	156.2	157.5	156.2
60°	121.2	122.5	122.5	121.2
62.5°	96.2	96.2	96.2	96.2
65°	76.2	76.2	77.5	76.2
67.5°	60.0	58.8	60.0	58.8
70°	45.0	45.0	45.0	45.0
72.5°	35.0	35.0	33.8	33.8
75°	25.0	26.2	25.0	25.0
77.5°	17.5	17.5	17.5	17.5
80°	11.2	11.2	11.2	11.2
82.5°	7.5	7.5	7.5	7.5
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)