

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: P212807

Luminaire Tested: **LE_6B20D010 EC6B10209727 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212807
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 EC6B10209727 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1738.6 lumens
Efficiency: N/A
Efficacy: 83.6 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

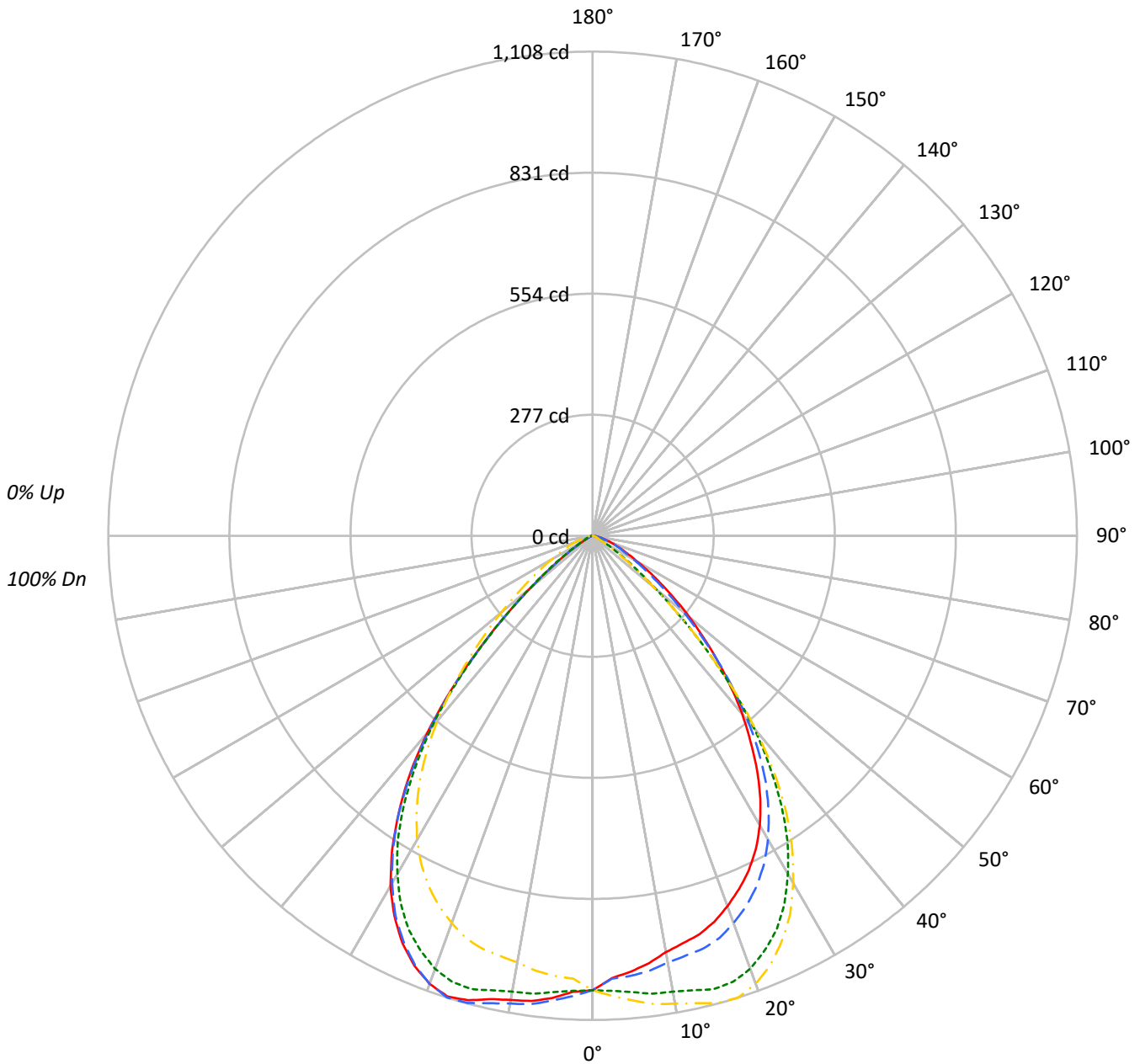
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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°	57007	57007	57007	57007
5°	55090	57693	58430	57693
10°	53840	58961	60041	58961
15°	53587	60942	62452	60942
20°	52615	61512	63636	61512
25°	51112	60191	62241	60191
30°	48432	56553	58547	56553
35°	43908	50393	51772	50393
40°	38114	41070	42107	41070
45°	31251	28344	28530	28344
50°	24571	15897	15590	15897
55°	18169	7875	7063	7875
60°	12872	3454	2522	3454
65°	9586	2205	1570	2205
70°	6988	1747	1154	1747
75°	5126	1271	763	1271
80°	3441	1137	379	1137
85°	2264	755	755	755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	5.7
10°-20°	294.8	17.0
20°-30°	440.0	25.3
30°-40°	452.1	26.0
40°-50°	292.7	16.8
50°-60°	108.9	6.3
60°-70°	35.7	2.1
70°-80°	12.6	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°	834.4	48.0
0°-40°	1286.5	74.0
0°-60°	1688.1	97.1
0°-90°	1738.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1738.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1040	1040	1040	1040	1040	
5°	1001	1048	1062	1048	1001	95
15°	944	1074	1100	1074	944	266
25°	845	995	1029	995	845	387
35°	656	753	774	753	656	407
45°	403	366	368	366	403	312
55°	190	82	74	82	190	173
65°	74	17	12	17	74	75
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°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1013.2	1027.8	1018.1	1024.1	1014.5	1014.5	1033.9	1023.0	1031.4	1023.0	1014.5
5°	1001.1	1019.4	1007.2	1013.2	1004.8	1006.0	1024.1	1015.6	1024.1	1018.1	1010.9
7.5°	986.6	1004.8	993.9	1000.0	991.5	993.9	1013.2	1004.8	1014.5	1008.4	1003.6
10°	967.2	986.6	977.0	983.0	975.8	977.0	996.4	990.2	998.8	995.1	991.5
12.5°	955.1	973.4	962.4	968.5	963.6	966.0	984.2	979.4	990.2	986.6	984.2
15°	944.2	961.2	951.5	957.6	954.0	955.1	974.5	969.6	981.8	979.4	978.1
17.5°	926.1	944.2	933.4	940.6	937.0	938.2	957.6	954.0	966.0	966.0	964.9
20°	901.9	920.0	911.6	916.4	914.0	916.4	933.4	931.0	943.0	943.0	943.0
22.5°	875.2	893.4	883.8	888.6	886.1	889.8	905.5	905.5	915.2	916.4	917.6
25°	845.0	863.1	853.5	859.5	857.1	859.5	874.0	875.2	883.8	883.8	886.1
27.5°	808.6	826.9	817.1	822.0	820.8	822.0	837.8	840.1	845.0	846.2	848.6
30°	765.1	782.0	772.4	777.2	777.2	777.2	792.9	794.1	799.0	800.2	802.6
32.5°	714.2	728.8	721.5	726.4	725.1	727.6	738.5	743.2	749.4	748.1	749.4
35°	656.1	671.9	664.6	668.2	669.5	673.1	680.4	686.4	687.6	688.9	691.2
37.5°	593.2	608.9	601.6	605.2	606.5	613.8	616.2	622.2	624.6	624.6	624.6
40°	532.6	539.9	533.9	537.5	538.8	544.8	547.1	552.0	554.5	553.2	552.0
42.5°	467.2	473.4	467.2	470.9	470.9	475.8	477.0	483.0	483.0	480.6	477.0
45°	403.1	409.1	403.1	405.5	405.5	410.4	410.4	410.4	412.8	409.1	403.1
47.5°	342.6	348.6	342.6	345.0	343.8	347.5	346.2	347.5	343.8	341.4	334.1
50°	288.1	290.5	288.1	286.9	288.1	290.5	289.4	289.4	284.5	280.9	272.4
52.5°	234.9	238.5	234.9	234.9	234.9	237.2	237.2	236.1	231.2	226.4	217.9
55°	190.1	192.5	191.2	190.1	190.1	192.5	190.1	190.1	185.2	181.6	173.1
57.5°	151.4	152.5	151.4	151.4	151.4	152.5	152.5	150.1	146.5	142.9	136.8
60°	117.4	118.6	118.6	117.4	117.4	119.9	119.9	118.6	115.0	112.6	106.5
62.5°	93.2	93.2	93.2	93.2	93.2	94.4	94.4	94.4	92.0	89.6	84.8
65°	73.9	75.0	73.9	73.9	75.0	76.2	75.0	76.2	73.9	72.6	69.0
67.5°	56.9	58.1	56.9	58.1	58.1	59.4	58.1	59.4	56.9	55.6	53.2
70°	43.6	43.6	43.6	43.6	43.6	44.8	43.6	44.8	43.6	42.4	40.0
72.5°	32.6	32.6	33.9	33.9	32.6	33.9	32.6	32.6	32.6	31.5	30.2
75°	24.2	24.2	25.4	24.2	24.2	24.2	24.2	24.2	23.0	23.0	21.8
77.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.8	15.8	14.5
80°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	9.6	9.6
82.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.0	6.0
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	2.4	1.2	1.2	2.4	2.4	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°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1024.1	1027.8	1027.8	1024.1	1032.6	1025.4	1039.9	1026.6	1030.2	1042.4	1041.1
5°	1020.5	1025.4	1026.6	1024.1	1035.0	1029.0	1043.5	1030.2	1036.2	1048.4	1048.4
7.5°	1015.6	1021.8	1024.1	1026.6	1036.2	1030.2	1047.1	1033.9	1042.4	1056.9	1055.6
10°	1004.8	1013.2	1018.1	1021.8	1031.4	1027.8	1046.0	1035.0	1042.4	1059.2	1058.0
12.5°	998.8	1008.4	1015.6	1021.8	1032.6	1030.2	1048.4	1038.6	1048.4	1065.4	1065.4
15°	993.9	1004.8	1013.2	1024.1	1035.0	1032.6	1052.0	1043.5	1053.2	1073.8	1072.6
17.5°	981.8	995.1	1003.6	1015.6	1026.6	1025.4	1046.0	1039.9	1050.8	1070.1	1071.4
20°	961.2	973.4	983.0	997.5	1009.6	1007.2	1029.0	1023.0	1033.9	1054.4	1055.6
22.5°	934.6	946.6	956.4	972.1	983.0	981.8	1003.6	997.5	1008.4	1027.8	1029.0
25°	903.1	914.0	923.6	938.2	950.4	950.4	969.6	963.6	975.8	995.1	995.1
27.5°	864.4	874.0	882.5	899.5	909.1	909.1	927.4	921.2	933.4	950.4	949.1
30°	817.1	825.6	832.9	847.4	855.9	857.1	872.9	866.8	878.9	893.4	893.4
32.5°	760.2	768.8	773.6	791.8	797.8	796.6	808.6	802.6	814.8	830.5	826.9
35°	699.8	703.4	707.0	725.1	727.6	722.8	734.9	728.8	737.2	753.0	750.6
37.5°	630.8	631.9	631.9	647.6	648.9	645.2	652.5	645.2	651.2	665.9	664.6
40°	554.5	553.2	552.0	564.1	562.9	555.6	560.5	554.5	562.9	573.9	567.8
42.5°	477.0	473.4	468.5	474.5	469.8	463.6	466.1	456.4	462.5	470.9	463.6
45°	400.8	393.5	383.8	385.0	378.9	371.6	368.0	358.4	357.1	365.6	359.5
47.5°	329.2	314.8	306.2	301.4	291.8	285.8	278.4	267.5	262.8	267.5	261.5
50°	265.1	250.6	239.8	228.8	219.1	211.9	199.8	192.5	185.2	186.4	181.6
52.5°	209.4	199.8	181.6	173.1	163.4	155.0	144.0	135.6	127.1	127.1	122.2
55°	165.9	152.5	140.4	128.4	118.6	111.4	100.5	92.0	83.5	82.4	77.5
57.5°	128.4	118.6	105.4	93.2	87.1	79.9	69.0	59.4	54.5	50.9	47.2
60°	99.2	89.6	78.8	69.0	61.8	56.9	46.0	38.8	33.9	31.5	27.9
62.5°	79.9	71.4	61.8	52.0	47.2	42.4	33.9	27.9	23.0	20.6	18.1
65°	64.1	56.9	49.6	42.4	38.8	33.9	27.9	23.0	19.4	17.0	14.5
67.5°	49.6	44.8	38.8	33.9	30.2	26.6	21.8	18.1	15.8	13.4	12.1
70°	37.5	33.9	30.2	25.4	23.0	20.6	17.0	13.4	12.1	10.9	9.6
72.5°	29.0	25.4	21.8	19.4	17.0	15.8	13.4	10.9	9.6	8.5	7.2
75°	19.4	18.1	15.8	13.4	12.1	10.9	9.6	8.5	7.2	6.0	6.0
77.5°	13.4	12.1	10.9	9.6	8.5	8.5	7.2	6.0	4.9	4.9	3.6
80°	8.5	7.2	7.2	6.0	6.0	6.0	4.9	3.6	3.6	3.6	2.4
82.5°	6.0	4.9	4.9	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2
85°	3.6	2.4	2.4	2.4	2.4	2.4	2.4	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°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1031.4	1042.4	1042.4	1052.0	1053.2	1050.8	1039.9	1039.9	1054.4	1062.9	1048.4
5°	1041.1	1052.0	1052.0	1061.8	1066.5	1062.9	1052.0	1053.2	1067.8	1077.4	1062.9
7.5°	1049.6	1060.5	1062.9	1073.8	1077.4	1073.8	1062.9	1065.4	1081.0	1089.5	1075.0
10°	1053.2	1064.1	1065.4	1077.4	1082.2	1077.4	1069.0	1070.1	1087.1	1093.1	1079.9
12.5°	1061.8	1072.6	1072.6	1085.9	1090.8	1087.1	1076.2	1078.6	1095.6	1101.6	1088.4
15°	1070.1	1081.0	1081.0	1095.6	1101.6	1096.8	1088.4	1089.5	1106.5	1112.5	1101.6
17.5°	1070.1	1079.9	1079.9	1095.6	1101.6	1098.0	1088.4	1089.5	1107.8	1112.5	1101.6
20°	1054.4	1065.4	1062.9	1078.6	1084.8	1081.0	1072.6	1072.6	1090.8	1095.6	1084.8
22.5°	1029.0	1038.6	1036.2	1050.8	1058.0	1053.2	1046.0	1044.8	1062.9	1067.8	1056.9
25°	993.9	1003.6	1001.1	1015.6	1023.0	1016.9	1008.4	1009.6	1024.1	1031.4	1021.8
27.5°	952.8	958.8	955.1	969.6	977.0	970.9	962.4	963.6	978.1	983.0	975.8
30°	897.0	901.9	898.2	910.4	915.2	911.6	904.2	904.2	917.6	923.6	916.4
32.5°	830.5	834.1	830.5	840.1	849.9	842.6	835.2	835.2	849.9	854.6	846.2
35°	753.0	756.6	754.2	763.9	771.1	761.5	755.4	753.0	772.4	769.9	765.1
37.5°	667.0	669.5	662.2	679.1	682.8	671.9	667.0	664.6	681.6	680.4	675.5
40°	570.2	572.6	567.8	579.9	581.1	572.6	569.0	565.4	582.2	581.1	577.5
42.5°	467.2	468.5	462.5	472.1	474.5	466.1	464.9	460.0	475.8	473.4	472.1
45°	360.8	360.8	355.9	363.1	365.6	358.4	355.9	354.8	365.6	365.6	363.1
47.5°	261.5	257.9	251.8	262.8	263.9	259.1	257.9	254.2	265.1	265.1	262.8
50°	179.1	178.0	176.8	179.1	180.4	174.4	178.0	174.4	180.4	180.4	180.4
52.5°	119.9	118.6	116.2	118.6	118.6	115.0	115.0	113.8	118.6	118.6	116.2
55°	75.0	73.9	72.6	73.9	73.9	70.2	72.6	70.2	72.6	72.6	71.4
57.5°	46.0	43.6	43.6	42.4	42.4	40.0	41.1	41.1	41.1	41.1	41.1
60°	26.6	25.4	24.2	24.2	24.2	23.0	23.0	23.0	23.0	23.0	23.0
62.5°	17.0	17.0	15.8	15.8	15.8	15.8	15.8	14.5	15.8	15.8	15.8
65°	14.5	13.4	13.4	13.4	13.4	12.1	12.1	12.1	12.1	12.1	12.1
67.5°	12.1	10.9	10.9	10.9	10.9	9.6	9.6	9.6	9.6	9.6	9.6
70°	9.6	8.5	8.5	8.5	8.5	8.5	7.2	8.5	8.5	7.2	7.2
72.5°	7.2	7.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	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: P212807

CATALOG NUMBER: LE_6B20D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1065.4	1053.2	1047.1	1059.2	1064.1	1058.0	1053.2	1044.8	1053.2	1058.0	1064.1
5°	1079.9	1069.0	1064.1	1072.6	1079.9	1073.8	1070.1	1061.8	1070.1	1073.8	1079.9
7.5°	1093.1	1082.2	1076.2	1084.8	1093.1	1084.8	1081.0	1073.8	1081.0	1084.8	1093.1
10°	1098.0	1085.9	1081.0	1088.4	1096.8	1088.4	1083.5	1078.6	1083.5	1088.4	1096.8
12.5°	1106.5	1094.4	1088.4	1094.4	1102.9	1094.4	1089.5	1085.9	1089.5	1094.4	1102.9
15°	1118.6	1107.8	1100.4	1106.5	1117.4	1107.8	1101.6	1100.4	1101.6	1107.8	1117.4
17.5°	1118.6	1110.1	1102.9	1107.8	1118.6	1111.4	1102.9	1105.2	1102.9	1111.4	1118.6
20°	1102.9	1094.4	1088.4	1088.4	1104.0	1094.4	1087.1	1090.8	1087.1	1094.4	1104.0
22.5°	1075.0	1067.8	1061.8	1060.5	1076.2	1067.8	1058.0	1065.4	1058.0	1067.8	1076.2
25°	1038.6	1031.4	1026.6	1024.1	1039.9	1030.2	1021.8	1029.0	1021.8	1030.2	1039.9
27.5°	991.5	985.4	980.6	977.0	991.5	983.0	974.5	981.8	974.5	983.0	991.5
30°	931.0	927.4	922.5	917.6	932.1	923.6	915.2	924.9	915.2	923.6	932.1
32.5°	860.8	858.2	852.2	847.4	862.0	852.2	846.2	853.5	846.2	852.2	862.0
35°	779.6	776.0	772.4	763.9	779.6	771.1	771.1	773.6	771.1	771.1	779.6
37.5°	688.9	686.4	681.6	674.2	687.6	681.6	679.1	686.4	679.1	681.6	687.6
40°	587.1	585.9	582.2	573.9	588.4	582.2	578.6	588.4	578.6	582.2	588.4
42.5°	480.6	478.1	474.5	473.4	480.6	475.8	479.4	479.4	479.4	475.8	480.6
45°	370.5	368.0	365.6	360.8	369.2	366.8	365.6	368.0	365.6	366.8	369.2
47.5°	268.8	266.4	263.9	260.2	268.8	265.1	265.1	267.5	265.1	265.1	268.8
50°	180.4	181.6	180.4	178.0	180.4	179.1	180.4	182.8	180.4	179.1	180.4
52.5°	119.9	119.9	117.4	116.2	118.6	117.4	121.0	118.6	121.0	117.4	118.6
55°	72.6	73.9	72.6	71.4	72.6	71.4	75.0	73.9	75.0	71.4	72.6
57.5°	41.1	41.1	42.4	41.1	43.6	42.4	42.4	42.4	42.4	42.4	43.6
60°	23.0	23.0	23.0	23.0	23.0	23.0	24.2	23.0	24.2	23.0	23.0
62.5°	15.8	15.8	15.8	14.5	15.8	14.5	15.8	15.8	15.8	14.5	15.8
65°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
67.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
70°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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: P212807

CATALOG NUMBER: LE_6B20D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1059.2	1047.1	1053.2	1065.4	1048.4	1062.9	1054.4	1039.9	1039.9	1050.8	1053.2
5°	1072.6	1064.1	1069.0	1079.9	1062.9	1077.4	1067.8	1053.2	1052.0	1062.9	1066.5
7.5°	1084.8	1076.2	1082.2	1093.1	1075.0	1089.5	1081.0	1065.4	1062.9	1073.8	1077.4
10°	1088.4	1081.0	1085.9	1098.0	1079.9	1093.1	1087.1	1070.1	1069.0	1077.4	1082.2
12.5°	1094.4	1088.4	1094.4	1106.5	1088.4	1101.6	1095.6	1078.6	1076.2	1087.1	1090.8
15°	1106.5	1100.4	1107.8	1118.6	1101.6	1112.5	1106.5	1089.5	1088.4	1096.8	1101.6
17.5°	1107.8	1102.9	1110.1	1118.6	1101.6	1112.5	1107.8	1089.5	1088.4	1098.0	1101.6
20°	1088.4	1088.4	1094.4	1102.9	1084.8	1095.6	1090.8	1072.6	1072.6	1081.0	1084.8
22.5°	1060.5	1061.8	1067.8	1075.0	1056.9	1067.8	1062.9	1044.8	1046.0	1053.2	1058.0
25°	1024.1	1026.6	1031.4	1038.6	1021.8	1031.4	1024.1	1009.6	1008.4	1016.9	1023.0
27.5°	977.0	980.6	985.4	991.5	975.8	983.0	978.1	963.6	962.4	970.9	977.0
30°	917.6	922.5	927.4	931.0	916.4	923.6	917.6	904.2	904.2	911.6	915.2
32.5°	847.4	852.2	858.2	860.8	846.2	854.6	849.9	835.2	835.2	842.6	849.9
35°	763.9	772.4	776.0	779.6	765.1	769.9	772.4	753.0	755.4	761.5	771.1
37.5°	674.2	681.6	686.4	688.9	675.5	680.4	681.6	664.6	667.0	671.9	682.8
40°	573.9	582.2	585.9	587.1	577.5	581.1	582.2	565.4	569.0	572.6	581.1
42.5°	473.4	474.5	478.1	480.6	472.1	473.4	475.8	460.0	464.9	466.1	474.5
45°	360.8	365.6	368.0	370.5	363.1	365.6	365.6	354.8	355.9	358.4	365.6
47.5°	260.2	263.9	266.4	268.8	262.8	265.1	265.1	254.2	257.9	259.1	263.9
50°	178.0	180.4	181.6	180.4	180.4	180.4	180.4	174.4	178.0	174.4	180.4
52.5°	116.2	117.4	119.9	119.9	116.2	118.6	118.6	113.8	115.0	115.0	118.6
55°	71.4	72.6	73.9	72.6	71.4	72.6	72.6	70.2	72.6	70.2	73.9
57.5°	41.1	42.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	40.0	42.4
60°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	24.2
62.5°	14.5	15.8	15.8	15.8	15.8	15.8	15.8	14.5	15.8	15.8	15.8
65°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.4
67.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	10.9
70°	7.2	7.2	7.2	7.2	7.2	7.2	8.5	8.5	7.2	8.5	8.5
72.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
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: P212807

CATALOG NUMBER: LE_6B20D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1052.0	1042.4	1042.4	1031.4	1041.1	1042.4	1030.2	1026.6	1039.9	1025.4	1032.6
5°	1061.8	1052.0	1052.0	1041.1	1048.4	1048.4	1036.2	1030.2	1043.5	1029.0	1035.0
7.5°	1073.8	1062.9	1060.5	1049.6	1055.6	1056.9	1042.4	1033.9	1047.1	1030.2	1036.2
10°	1077.4	1065.4	1064.1	1053.2	1058.0	1059.2	1042.4	1035.0	1046.0	1027.8	1031.4
12.5°	1085.9	1072.6	1072.6	1061.8	1065.4	1065.4	1048.4	1038.6	1048.4	1030.2	1032.6
15°	1095.6	1081.0	1081.0	1070.1	1072.6	1073.8	1053.2	1043.5	1052.0	1032.6	1035.0
17.5°	1095.6	1079.9	1079.9	1070.1	1071.4	1070.1	1050.8	1039.9	1046.0	1025.4	1026.6
20°	1078.6	1062.9	1065.4	1054.4	1055.6	1054.4	1033.9	1023.0	1029.0	1007.2	1009.6
22.5°	1050.8	1036.2	1038.6	1029.0	1029.0	1027.8	1008.4	997.5	1003.6	981.8	983.0
25°	1015.6	1001.1	1003.6	993.9	995.1	995.1	975.8	963.6	969.6	950.4	950.4
27.5°	969.6	955.1	958.8	952.8	949.1	950.4	933.4	921.2	927.4	909.1	909.1
30°	910.4	898.2	901.9	897.0	893.4	893.4	878.9	866.8	872.9	857.1	855.9
32.5°	840.1	830.5	834.1	830.5	826.9	830.5	814.8	802.6	808.6	796.6	797.8
35°	763.9	754.2	756.6	753.0	750.6	753.0	737.2	728.8	734.9	722.8	727.6
37.5°	679.1	662.2	669.5	667.0	664.6	665.9	651.2	645.2	652.5	645.2	648.9
40°	579.9	567.8	572.6	570.2	567.8	573.9	562.9	554.5	560.5	555.6	562.9
42.5°	472.1	462.5	468.5	467.2	463.6	470.9	462.5	456.4	466.1	463.6	469.8
45°	363.1	355.9	360.8	360.8	359.5	365.6	357.1	358.4	368.0	371.6	378.9
47.5°	262.8	251.8	257.9	261.5	261.5	267.5	262.8	267.5	278.4	285.8	291.8
50°	179.1	176.8	178.0	179.1	181.6	186.4	185.2	192.5	199.8	211.9	219.1
52.5°	118.6	116.2	118.6	119.9	122.2	127.1	127.1	135.6	144.0	155.0	163.4
55°	73.9	72.6	73.9	75.0	77.5	82.4	83.5	92.0	100.5	111.4	118.6
57.5°	42.4	43.6	43.6	46.0	47.2	50.9	54.5	59.4	69.0	79.9	87.1
60°	24.2	24.2	25.4	26.6	27.9	31.5	33.9	38.8	46.0	56.9	61.8
62.5°	15.8	15.8	17.0	17.0	18.1	20.6	23.0	27.9	33.9	42.4	47.2
65°	13.4	13.4	13.4	14.5	14.5	17.0	19.4	23.0	27.9	33.9	38.8
67.5°	10.9	10.9	10.9	12.1	12.1	13.4	15.8	18.1	21.8	26.6	30.2
70°	8.5	8.5	8.5	9.6	9.6	10.9	12.1	13.4	17.0	20.6	23.0
72.5°	6.0	6.0	7.2	7.2	7.2	8.5	9.6	10.9	13.4	15.8	17.0
75°	4.9	4.9	4.9	4.9	6.0	6.0	7.2	8.5	9.6	10.9	12.1
77.5°	2.4	2.4	3.6	3.6	3.6	4.9	4.9	6.0	7.2	8.5	8.5
80°	2.4	2.4	2.4	2.4	2.4	3.6	3.6	3.6	4.9	6.0	6.0
82.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
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: P212807

CATALOG NUMBER: LE_6B20D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9
2.5°	1024.1	1027.8	1027.8	1024.1	1014.5	1023.0	1031.4	1023.0	1033.9	1014.5	1014.5
5°	1024.1	1026.6	1025.4	1020.5	1010.9	1018.1	1024.1	1015.6	1024.1	1006.0	1004.8
7.5°	1026.6	1024.1	1021.8	1015.6	1003.6	1008.4	1014.5	1004.8	1013.2	993.9	991.5
10°	1021.8	1018.1	1013.2	1004.8	991.5	995.1	998.8	990.2	996.4	977.0	975.8
12.5°	1021.8	1015.6	1008.4	998.8	984.2	986.6	990.2	979.4	984.2	966.0	963.6
15°	1024.1	1013.2	1004.8	993.9	978.1	979.4	981.8	969.6	974.5	955.1	954.0
17.5°	1015.6	1003.6	995.1	981.8	964.9	966.0	966.0	954.0	957.6	938.2	937.0
20°	997.5	983.0	973.4	961.2	943.0	943.0	943.0	931.0	933.4	916.4	914.0
22.5°	972.1	956.4	946.6	934.6	917.6	916.4	915.2	905.5	905.5	889.8	886.1
25°	938.2	923.6	914.0	903.1	886.1	883.8	883.8	875.2	874.0	859.5	857.1
27.5°	899.5	882.5	874.0	864.4	848.6	846.2	845.0	840.1	837.8	822.0	820.8
30°	847.4	832.9	825.6	817.1	802.6	800.2	799.0	794.1	792.9	777.2	777.2
32.5°	791.8	773.6	768.8	760.2	749.4	748.1	749.4	743.2	738.5	727.6	725.1
35°	725.1	707.0	703.4	699.8	691.2	688.9	687.6	686.4	680.4	673.1	669.5
37.5°	647.6	631.9	631.9	630.8	624.6	624.6	624.6	622.2	616.2	613.8	606.5
40°	564.1	552.0	553.2	554.5	552.0	553.2	554.5	552.0	547.1	544.8	538.8
42.5°	474.5	468.5	473.4	477.0	477.0	480.6	483.0	483.0	477.0	475.8	470.9
45°	385.0	383.8	393.5	400.8	403.1	409.1	412.8	410.4	410.4	410.4	405.5
47.5°	301.4	306.2	314.8	329.2	334.1	341.4	343.8	347.5	346.2	347.5	343.8
50°	228.8	239.8	250.6	265.1	272.4	280.9	284.5	289.4	289.4	290.5	288.1
52.5°	173.1	181.6	199.8	209.4	217.9	226.4	231.2	236.1	237.2	237.2	234.9
55°	128.4	140.4	152.5	165.9	173.1	181.6	185.2	190.1	190.1	192.5	190.1
57.5°	93.2	105.4	118.6	128.4	136.8	142.9	146.5	150.1	152.5	152.5	151.4
60°	69.0	78.8	89.6	99.2	106.5	112.6	115.0	118.6	119.9	119.9	117.4
62.5°	52.0	61.8	71.4	79.9	84.8	89.6	92.0	94.4	94.4	94.4	93.2
65°	42.4	49.6	56.9	64.1	69.0	72.6	73.9	76.2	75.0	76.2	75.0
67.5°	33.9	38.8	44.8	49.6	53.2	55.6	56.9	59.4	58.1	59.4	58.1
70°	25.4	30.2	33.9	37.5	40.0	42.4	43.6	44.8	43.6	44.8	43.6
72.5°	19.4	21.8	25.4	29.0	30.2	31.5	32.6	32.6	32.6	33.9	32.6
75°	13.4	15.8	18.1	19.4	21.8	23.0	23.0	24.2	24.2	24.2	24.2
77.5°	9.6	10.9	12.1	13.4	14.5	15.8	15.8	17.0	17.0	17.0	17.0
80°	6.0	7.2	7.2	8.5	9.6	9.6	10.9	10.9	10.9	10.9	10.9
82.5°	3.6	4.9	4.9	6.0	6.0	6.0	7.2	7.2	7.2	7.2	7.2
85°	2.4	2.4	2.4	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	2.4	2.4	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: P212807

CATALOG NUMBER: LE_6B20D010 EC6B10209727 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1039.9	1039.9	1039.9	1039.9
2.5°	1024.1	1018.1	1027.8	1013.2
5°	1013.2	1007.2	1019.4	1001.1
7.5°	1000.0	993.9	1004.8	986.6
10°	983.0	977.0	986.6	967.2
12.5°	968.5	962.4	973.4	955.1
15°	957.6	951.5	961.2	944.2
17.5°	940.6	933.4	944.2	926.1
20°	916.4	911.6	920.0	901.9
22.5°	888.6	883.8	893.4	875.2
25°	859.5	853.5	863.1	845.0
27.5°	822.0	817.1	826.9	808.6
30°	777.2	772.4	782.0	765.1
32.5°	726.4	721.5	728.8	714.2
35°	668.2	664.6	671.9	656.1
37.5°	605.2	601.6	608.9	593.2
40°	537.5	533.9	539.9	532.6
42.5°	470.9	467.2	473.4	467.2
45°	405.5	403.1	409.1	403.1
47.5°	345.0	342.6	348.6	342.6
50°	286.9	288.1	290.5	288.1
52.5°	234.9	234.9	238.5	234.9
55°	190.1	191.2	192.5	190.1
57.5°	151.4	151.4	152.5	151.4
60°	117.4	118.6	118.6	117.4
62.5°	93.2	93.2	93.2	93.2
65°	73.9	73.9	75.0	73.9
67.5°	58.1	56.9	58.1	56.9
70°	43.6	43.6	43.6	43.6
72.5°	33.9	33.9	32.6	32.6
75°	24.2	25.4	24.2	24.2
77.5°	17.0	17.0	17.0	17.0
80°	10.9	10.9	10.9	10.9
82.5°	7.2	7.2	7.2	7.2
85°	4.9	3.6	3.6	3.6
87.5°	2.4	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)