

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: P212786

Luminaire Tested: **LE\_6B15D010 EC6B10208040 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212786  
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 EC6B10208040 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1814.1 lumens  
Efficiency: N/A  
Efficacy: 126.0 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

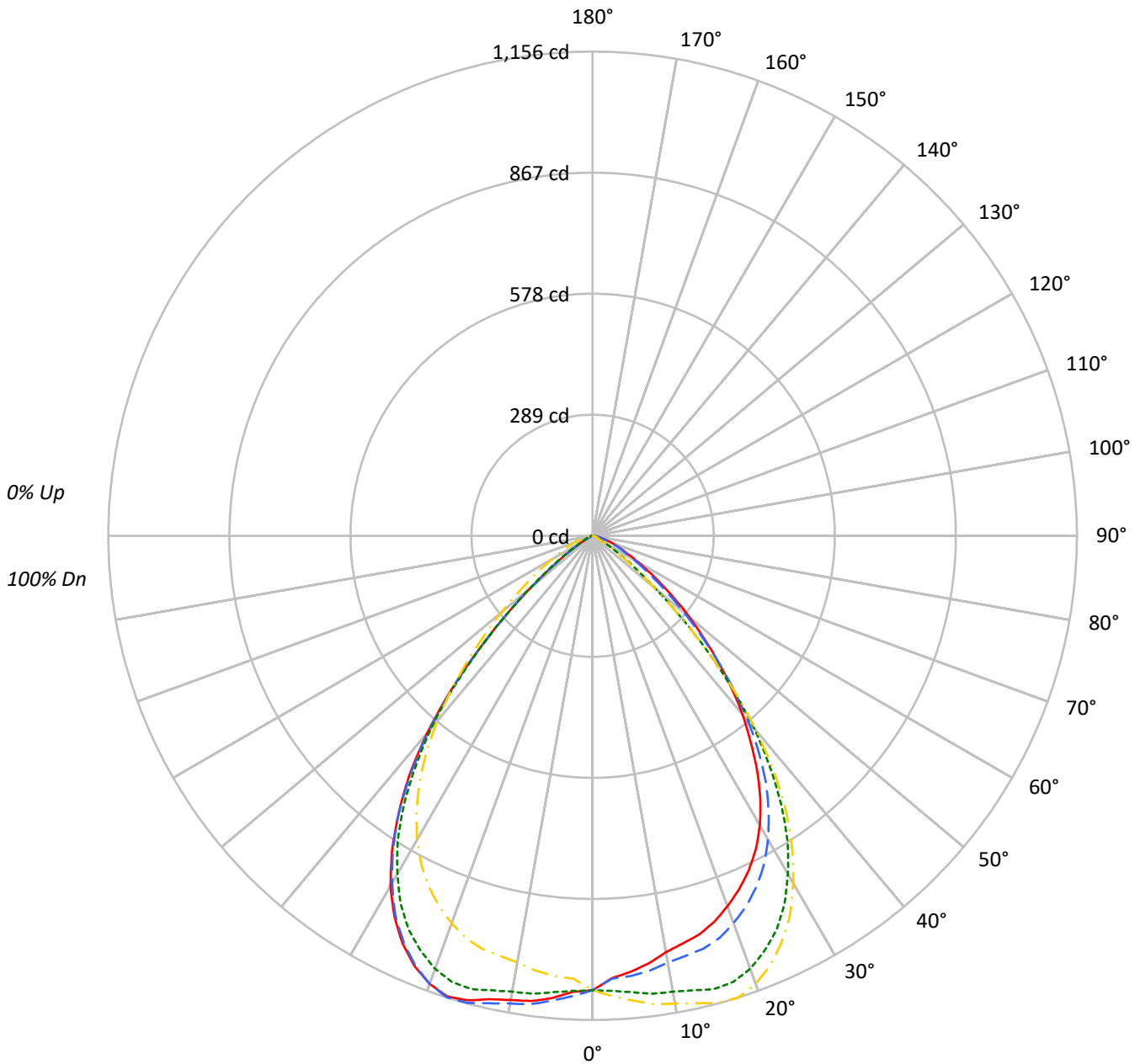
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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					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°	59480	59480	59480	59480
5°	57484	60197	60962	60197
10°	56178	61522	62652	61522
15°	55914	63587	65165	63587
20°	54896	64184	66395	64184
25°	53326	62798	64939	62798
30°	50527	59009	61085	59009
35°	45816	52575	54014	52575
40°	39775	42852	43932	42852
45°	32608	29577	29771	29577
50°	25637	16588	16272	16588
55°	18962	8210	7359	8210
60°	13431	3607	2631	3607
65°	9988	2283	1634	2283
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°	103.9	5.7
10°-20°	307.6	17.0
20°-30°	459.1	25.3
30°-40°	471.7	26.0
40°-50°	305.4	16.8
50°-60°	113.6	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°	870.6	48.0
0°-40°	1342.3	74.0
0°-60°	1761.3	97.1
0°-90°	1814.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1814.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1085	1085	1085	1085	1085	
5°	1045	1094	1108	1094	1045	99
15°	985	1120	1148	1120	985	277
25°	882	1038	1074	1038	882	404
35°	685	786	807	786	685	425
45°	421	382	384	382	421	325
55°	198	86	77	86	198	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	



TEST NUMBER: P212786

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1057.2	1072.4	1062.2	1068.6	1058.5	1058.5	1078.8	1067.4	1076.2	1067.4	1058.5
5°	1044.6	1063.6	1050.9	1057.2	1048.4	1049.6	1068.6	1059.8	1068.6	1062.2	1054.8
7.5°	1029.5	1048.4	1037.0	1043.4	1034.5	1037.0	1057.2	1048.4	1058.5	1052.2	1047.1
10°	1009.2	1029.5	1019.4	1025.6	1018.1	1019.4	1039.6	1033.2	1042.1	1038.2	1034.5
12.5°	996.6	1015.6	1004.2	1010.5	1005.5	1008.0	1026.9	1021.9	1033.2	1029.5	1026.9
15°	985.2	1002.9	992.9	999.1	995.4	996.6	1016.9	1011.8	1024.4	1021.9	1020.6
17.5°	966.2	985.2	973.9	981.5	977.6	978.9	999.1	995.4	1008.0	1008.0	1006.8
20°	941.0	960.0	951.1	956.2	953.6	956.2	973.9	971.4	984.0	984.0	984.0
22.5°	913.2	932.2	922.1	927.1	924.6	928.4	944.9	944.9	954.9	956.2	957.5
25°	881.6	900.6	890.5	896.9	894.2	896.9	912.0	913.2	922.1	922.1	924.6
27.5°	843.8	862.8	852.6	857.6	856.4	857.6	874.1	876.6	881.6	882.9	885.5
30°	798.2	816.0	805.9	810.9	810.9	810.9	827.4	828.6	833.6	834.9	837.5
32.5°	745.2	760.4	752.9	757.9	756.6	759.1	770.5	775.6	781.9	780.6	781.9
35°	684.6	701.0	693.5	697.2	698.5	702.2	709.9	716.2	717.5	718.8	721.2
37.5°	619.0	635.4	627.8	631.6	632.9	640.4	643.0	649.2	651.8	651.8	651.8
40°	555.8	563.4	557.0	560.9	562.1	568.4	571.0	576.0	578.5	577.2	576.0
42.5°	487.6	493.9	487.6	491.4	491.4	496.4	497.6	504.0	504.0	501.5	497.6
45°	420.6	427.0	420.6	423.1	423.1	428.2	428.2	428.2	430.8	427.0	420.6
47.5°	357.5	363.8	357.5	360.0	358.8	362.5	361.2	362.5	358.8	356.2	348.6
50°	300.6	303.1	300.6	299.4	300.6	303.1	301.9	301.9	296.9	293.0	284.2
52.5°	245.0	248.9	245.0	245.0	245.0	247.6	247.6	246.2	241.2	236.2	227.4
55°	198.4	200.9	199.6	198.4	198.4	200.9	198.4	198.4	193.2	189.5	180.6
57.5°	157.9	159.1	157.9	157.9	157.9	159.1	159.1	156.6	152.9	149.0	142.8
60°	122.5	123.8	123.8	122.5	122.5	125.0	125.0	123.8	120.0	117.5	111.1
62.5°	97.2	97.2	97.2	97.2	97.2	98.5	98.5	98.5	96.0	93.5	88.4
65°	77.0	78.4	77.0	77.0	78.4	79.6	78.4	79.6	77.0	75.8	72.0
67.5°	59.4	60.6	59.4	60.6	60.6	61.9	60.6	61.9	59.4	58.1	55.6
70°	45.5	45.5	45.5	45.5	45.5	46.8	45.5	46.8	45.5	44.2	41.6
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	26.5	25.2	25.2	25.2	25.2	25.2	24.0	24.0	22.8
77.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	16.4	16.4	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°	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1068.6	1072.4	1072.4	1068.6	1077.5	1069.9	1085.0	1071.1	1074.9	1087.6	1086.2
5°	1064.9	1069.9	1071.1	1068.6	1080.0	1073.6	1088.9	1074.9	1081.2	1093.9	1093.9
7.5°	1059.8	1066.1	1068.6	1071.1	1081.2	1074.9	1092.6	1078.8	1087.6	1102.8	1101.5
10°	1048.4	1057.2	1062.2	1066.1	1076.2	1072.4	1091.4	1080.0	1087.6	1105.2	1104.0
12.5°	1042.1	1052.2	1059.8	1066.1	1077.5	1074.9	1093.9	1083.8	1093.9	1111.6	1111.6
15°	1037.0	1048.4	1057.2	1068.6	1080.0	1077.5	1097.6	1088.9	1098.9	1120.4	1119.1
17.5°	1024.4	1038.2	1047.1	1059.8	1071.1	1069.9	1091.4	1085.0	1096.4	1116.6	1117.9
20°	1002.9	1015.6	1025.6	1040.9	1053.5	1050.9	1073.6	1067.4	1078.8	1100.2	1101.5
22.5°	975.1	987.8	997.9	1014.2	1025.6	1024.4	1047.1	1040.9	1052.2	1072.4	1073.6
25°	942.2	953.6	963.8	978.9	991.6	991.6	1011.8	1005.5	1018.1	1038.2	1038.2
27.5°	901.9	912.0	920.9	938.5	948.6	948.6	967.6	961.2	973.9	991.6	990.2
30°	852.6	861.5	869.0	884.2	893.0	894.2	910.8	904.4	917.0	932.2	932.2
32.5°	793.2	802.1	807.1	826.1	832.4	831.1	843.8	837.5	850.1	866.5	862.8
35°	730.1	733.9	737.6	756.6	759.1	754.1	766.8	760.4	769.2	785.6	783.1
37.5°	658.1	659.4	659.4	675.8	677.0	673.2	680.9	673.2	679.6	694.8	693.5
40°	578.5	577.2	576.0	588.6	587.4	579.8	584.9	578.5	587.4	598.8	592.4
42.5°	497.6	493.9	488.9	495.1	490.1	483.8	486.2	476.2	482.5	491.4	483.8
45°	418.1	410.5	400.4	401.6	395.4	387.8	384.0	373.9	372.6	381.5	375.1
47.5°	343.6	328.4	319.6	314.5	304.4	298.1	290.5	279.1	274.1	279.1	272.9
50°	276.6	261.5	250.1	238.8	228.6	221.0	208.4	200.9	193.2	194.5	189.5
52.5°	218.5	208.4	189.5	180.6	170.5	161.6	150.4	141.5	132.6	132.6	127.6
55°	173.0	159.1	146.5	133.9	123.8	116.2	104.9	96.0	87.1	85.9	80.9
57.5°	133.9	123.8	109.9	97.2	91.0	83.4	72.0	61.9	56.9	53.0	49.2
60°	103.6	93.5	82.1	72.0	64.4	59.4	48.0	40.4	35.4	32.9	29.0
62.5°	83.4	74.5	64.4	54.4	49.2	44.2	35.4	29.0	24.0	21.5	19.0
65°	67.0	59.4	51.8	44.2	40.4	35.4	29.0	24.0	20.2	17.6	15.1
67.5°	51.8	46.8	40.4	35.4	31.6	27.8	22.8	19.0	16.4	13.9	12.6
70°	39.1	35.4	31.6	26.5	24.0	21.5	17.6	13.9	12.6	11.4	10.1
72.5°	30.4	26.5	22.8	20.2	17.6	16.4	13.9	11.4	10.1	8.9	7.6
75°	20.2	19.0	16.4	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°	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1076.2	1087.6	1087.6	1097.6	1098.9	1096.4	1085.0	1085.0	1100.2	1109.0	1093.9
5°	1086.2	1097.6	1097.6	1107.8	1112.9	1109.0	1097.6	1098.9	1114.1	1124.2	1109.0
7.5°	1095.1	1106.5	1109.0	1120.4	1124.2	1120.4	1109.0	1111.6	1128.0	1136.9	1121.6
10°	1098.9	1110.2	1111.6	1124.2	1129.2	1124.2	1115.4	1116.6	1134.2	1140.6	1126.8
12.5°	1107.8	1119.1	1119.1	1133.0	1138.1	1134.2	1122.9	1125.5	1143.1	1149.5	1135.6
15°	1116.6	1128.0	1128.0	1143.1	1149.5	1144.4	1135.6	1136.9	1154.5	1160.9	1149.5
17.5°	1116.6	1126.8	1126.8	1143.1	1149.5	1145.6	1135.6	1136.9	1155.8	1160.9	1149.5
20°	1100.2	1111.6	1109.0	1125.5	1131.8	1128.0	1119.1	1119.1	1138.1	1143.1	1131.8
22.5°	1073.6	1083.8	1081.2	1096.4	1104.0	1098.9	1091.4	1090.1	1109.0	1114.1	1102.8
25°	1037.0	1047.1	1044.6	1059.8	1067.4	1061.0	1052.2	1053.5	1068.6	1076.2	1066.1
27.5°	994.1	1000.4	996.6	1011.8	1019.4	1013.0	1004.2	1005.5	1020.6	1025.6	1018.1
30°	936.0	941.0	937.2	949.9	954.9	951.1	943.6	943.6	957.5	963.8	956.2
32.5°	866.5	870.2	866.5	876.6	886.8	879.1	871.6	871.6	886.8	891.8	882.9
35°	785.6	789.5	786.9	797.0	804.6	794.5	788.2	785.6	805.9	803.4	798.2
37.5°	696.0	698.5	691.0	708.6	712.4	701.0	696.0	693.5	711.1	709.9	704.9
40°	595.0	597.5	592.4	605.0	606.2	597.5	593.6	589.9	607.6	606.2	602.5
42.5°	487.6	488.9	482.5	492.6	495.1	486.2	485.0	480.0	496.4	493.9	492.6
45°	376.4	376.4	371.4	379.0	381.5	373.9	371.4	370.1	381.5	381.5	379.0
47.5°	272.9	269.0	262.8	274.1	275.4	270.2	269.0	265.2	276.6	276.6	274.1
50°	187.0	185.6	184.4	187.0	188.2	181.9	185.6	181.9	188.2	188.2	188.2
52.5°	125.0	123.8	121.2	123.8	123.8	120.0	120.0	118.8	123.8	123.8	121.2
55°	78.4	77.0	75.8	77.0	77.0	73.2	75.8	73.2	75.8	75.8	74.5
57.5°	48.0	45.5	45.5	44.2	44.2	41.6	43.0	43.0	43.0	43.0	43.0
60°	27.8	26.5	25.2	25.2	25.2	24.0	24.0	24.0	24.0	24.0	24.0
62.5°	17.6	17.6	16.4	16.4	16.4	16.4	16.4	15.1	16.4	16.4	16.4
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: P212786

CATALOG NUMBER: LE\_6B15D010 EC6B10208040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1111.6	1098.9	1092.6	1105.2	1110.2	1104.0	1098.9	1090.1	1098.9	1104.0	1110.2
5°	1126.8	1115.4	1110.2	1119.1	1126.8	1120.4	1116.6	1107.8	1116.6	1120.4	1126.8
7.5°	1140.6	1129.2	1122.9	1131.8	1140.6	1131.8	1128.0	1120.4	1128.0	1131.8	1140.6
10°	1145.6	1133.0	1128.0	1135.6	1144.4	1135.6	1130.5	1125.5	1130.5	1135.6	1144.4
12.5°	1154.5	1141.9	1135.6	1141.9	1150.8	1141.9	1136.9	1133.0	1136.9	1141.9	1150.8
15°	1167.1	1155.8	1148.2	1154.5	1165.9	1155.8	1149.5	1148.2	1149.5	1155.8	1165.9
17.5°	1167.1	1158.2	1150.8	1155.8	1167.1	1159.6	1150.8	1153.2	1150.8	1159.6	1167.1
20°	1150.8	1141.9	1135.6	1135.6	1152.0	1141.9	1134.2	1138.1	1134.2	1141.9	1152.0
22.5°	1121.6	1114.1	1107.8	1106.5	1122.9	1114.1	1104.0	1111.6	1104.0	1114.1	1122.9
25°	1083.8	1076.2	1071.1	1068.6	1085.0	1074.9	1066.1	1073.6	1066.1	1074.9	1085.0
27.5°	1034.5	1028.2	1023.1	1019.4	1034.5	1025.6	1016.9	1024.4	1016.9	1025.6	1034.5
30°	971.4	967.6	962.5	957.5	972.6	963.8	954.9	965.0	954.9	963.8	972.6
32.5°	898.1	895.6	889.2	884.2	899.4	889.2	882.9	890.5	882.9	889.2	899.4
35°	813.5	809.6	805.9	797.0	813.5	804.6	804.6	807.1	804.6	804.6	813.5
37.5°	718.8	716.2	711.1	703.6	717.5	711.1	708.6	716.2	708.6	711.1	717.5
40°	612.6	611.4	607.6	598.8	613.9	607.6	603.8	613.9	603.8	607.6	613.9
42.5°	501.5	499.0	495.1	493.9	501.5	496.4	500.2	500.2	500.2	496.4	501.5
45°	386.5	384.0	381.5	376.4	385.2	382.8	381.5	384.0	381.5	382.8	385.2
47.5°	280.4	277.9	275.4	271.6	280.4	276.6	276.6	279.1	276.6	276.6	280.4
50°	188.2	189.5	188.2	185.6	188.2	187.0	188.2	190.8	188.2	187.0	188.2
52.5°	125.0	125.0	122.5	121.2	123.8	122.5	126.4	123.8	126.4	122.5	123.8
55°	75.8	77.0	75.8	74.5	75.8	74.5	78.4	77.0	78.4	74.5	75.8
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°	16.4	16.4	16.4	15.1	16.4	15.1	16.4	16.4	16.4	15.1	16.4
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: P212786

CATALOG NUMBER: LE\_6B15D010 EC6B10208040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1105.2	1092.6	1098.9	1111.6	1093.9	1109.0	1100.2	1085.0	1085.0	1096.4	1098.9
5°	1119.1	1110.2	1115.4	1126.8	1109.0	1124.2	1114.1	1098.9	1097.6	1109.0	1112.9
7.5°	1131.8	1122.9	1129.2	1140.6	1121.6	1136.9	1128.0	1111.6	1109.0	1120.4	1124.2
10°	1135.6	1128.0	1133.0	1145.6	1126.8	1140.6	1134.2	1116.6	1115.4	1124.2	1129.2
12.5°	1141.9	1135.6	1141.9	1154.5	1135.6	1149.5	1143.1	1125.5	1122.9	1134.2	1138.1
15°	1154.5	1148.2	1155.8	1167.1	1149.5	1160.9	1154.5	1136.9	1135.6	1144.4	1149.5
17.5°	1155.8	1150.8	1158.2	1167.1	1149.5	1160.9	1155.8	1136.9	1135.6	1145.6	1149.5
20°	1135.6	1135.6	1141.9	1150.8	1131.8	1143.1	1138.1	1119.1	1119.1	1128.0	1131.8
22.5°	1106.5	1107.8	1114.1	1121.6	1102.8	1114.1	1109.0	1090.1	1091.4	1098.9	1104.0
25°	1068.6	1071.1	1076.2	1083.8	1066.1	1076.2	1068.6	1053.5	1052.2	1061.0	1067.4
27.5°	1019.4	1023.1	1028.2	1034.5	1018.1	1025.6	1020.6	1005.5	1004.2	1013.0	1019.4
30°	957.5	962.5	967.6	971.4	956.2	963.8	957.5	943.6	943.6	951.1	954.9
32.5°	884.2	889.2	895.6	898.1	882.9	891.8	886.8	871.6	871.6	879.1	886.8
35°	797.0	805.9	809.6	813.5	798.2	803.4	805.9	785.6	788.2	794.5	804.6
37.5°	703.6	711.1	716.2	718.8	704.9	709.9	711.1	693.5	696.0	701.0	712.4
40°	598.8	607.6	611.4	612.6	602.5	606.2	607.6	589.9	593.6	597.5	606.2
42.5°	493.9	495.1	499.0	501.5	492.6	493.9	496.4	480.0	485.0	486.2	495.1
45°	376.4	381.5	384.0	386.5	379.0	381.5	381.5	370.1	371.4	373.9	381.5
47.5°	271.6	275.4	277.9	280.4	274.1	276.6	276.6	265.2	269.0	270.2	275.4
50°	185.6	188.2	189.5	188.2	188.2	188.2	188.2	181.9	185.6	181.9	188.2
52.5°	121.2	122.5	125.0	125.0	121.2	123.8	123.8	118.8	120.0	120.0	123.8
55°	74.5	75.8	77.0	75.8	74.5	75.8	75.8	73.2	75.8	73.2	77.0
57.5°	43.0	44.2	43.0	43.0	43.0	43.0	43.0	43.0	43.0	41.6	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	16.4	16.4	16.4	16.4	16.4	16.4	15.1	16.4	16.4	16.4
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: P212786

CATALOG NUMBER: LE\_6B15D010 EC6B10208040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1097.6	1087.6	1087.6	1076.2	1086.2	1087.6	1074.9	1071.1	1085.0	1069.9	1077.5
5°	1107.8	1097.6	1097.6	1086.2	1093.9	1093.9	1081.2	1074.9	1088.9	1073.6	1080.0
7.5°	1120.4	1109.0	1106.5	1095.1	1101.5	1102.8	1087.6	1078.8	1092.6	1074.9	1081.2
10°	1124.2	1111.6	1110.2	1098.9	1104.0	1105.2	1087.6	1080.0	1091.4	1072.4	1076.2
12.5°	1133.0	1119.1	1119.1	1107.8	1111.6	1111.6	1093.9	1083.8	1093.9	1074.9	1077.5
15°	1143.1	1128.0	1128.0	1116.6	1119.1	1120.4	1098.9	1088.9	1097.6	1077.5	1080.0
17.5°	1143.1	1126.8	1126.8	1116.6	1117.9	1116.6	1096.4	1085.0	1091.4	1069.9	1071.1
20°	1125.5	1109.0	1111.6	1100.2	1101.5	1100.2	1078.8	1067.4	1073.6	1050.9	1053.5
22.5°	1096.4	1081.2	1083.8	1073.6	1073.6	1072.4	1052.2	1040.9	1047.1	1024.4	1025.6
25°	1059.8	1044.6	1047.1	1037.0	1038.2	1038.2	1018.1	1005.5	1011.8	991.6	991.6
27.5°	1011.8	996.6	1000.4	994.1	990.2	991.6	973.9	961.2	967.6	948.6	948.6
30°	949.9	937.2	941.0	936.0	932.2	932.2	917.0	904.4	910.8	894.2	893.0
32.5°	876.6	866.5	870.2	866.5	862.8	866.5	850.1	837.5	843.8	831.1	832.4
35°	797.0	786.9	789.5	785.6	783.1	785.6	769.2	760.4	766.8	754.1	759.1
37.5°	708.6	691.0	698.5	696.0	693.5	694.8	679.6	673.2	680.9	673.2	677.0
40°	605.0	592.4	597.5	595.0	592.4	598.8	587.4	578.5	584.9	579.8	587.4
42.5°	492.6	482.5	488.9	487.6	483.8	491.4	482.5	476.2	486.2	483.8	490.1
45°	379.0	371.4	376.4	376.4	375.1	381.5	372.6	373.9	384.0	387.8	395.4
47.5°	274.1	262.8	269.0	272.9	272.9	279.1	274.1	279.1	290.5	298.1	304.4
50°	187.0	184.4	185.6	187.0	189.5	194.5	193.2	200.9	208.4	221.0	228.6
52.5°	123.8	121.2	123.8	125.0	127.6	132.6	132.6	141.5	150.4	161.6	170.5
55°	77.0	75.8	77.0	78.4	80.9	85.9	87.1	96.0	104.9	116.2	123.8
57.5°	44.2	45.5	45.5	48.0	49.2	53.0	56.9	61.9	72.0	83.4	91.0
60°	25.2	25.2	26.5	27.8	29.0	32.9	35.4	40.4	48.0	59.4	64.4
62.5°	16.4	16.4	17.6	17.6	19.0	21.5	24.0	29.0	35.4	44.2	49.2
65°	13.9	13.9	13.9	15.1	15.1	17.6	20.2	24.0	29.0	35.4	40.4
67.5°	11.4	11.4	11.4	12.6	12.6	13.9	16.4	19.0	22.8	27.8	31.6
70°	8.9	8.9	8.9	10.1	10.1	11.4	12.6	13.9	17.6	21.5	24.0
72.5°	6.4	6.4	7.6	7.6	7.6	8.9	10.1	11.4	13.9	16.4	17.6
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: P212786

CATALOG NUMBER: LE\_6B15D010 EC6B10208040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1068.6	1072.4	1072.4	1068.6	1058.5	1067.4	1076.2	1067.4	1078.8	1058.5	1058.5
5°	1068.6	1071.1	1069.9	1064.9	1054.8	1062.2	1068.6	1059.8	1068.6	1049.6	1048.4
7.5°	1071.1	1068.6	1066.1	1059.8	1047.1	1052.2	1058.5	1048.4	1057.2	1037.0	1034.5
10°	1066.1	1062.2	1057.2	1048.4	1034.5	1038.2	1042.1	1033.2	1039.6	1019.4	1018.1
12.5°	1066.1	1059.8	1052.2	1042.1	1026.9	1029.5	1033.2	1021.9	1026.9	1008.0	1005.5
15°	1068.6	1057.2	1048.4	1037.0	1020.6	1021.9	1024.4	1011.8	1016.9	996.6	995.4
17.5°	1059.8	1047.1	1038.2	1024.4	1006.8	1008.0	1008.0	995.4	999.1	978.9	977.6
20°	1040.9	1025.6	1015.6	1002.9	984.0	984.0	984.0	971.4	973.9	956.2	953.6
22.5°	1014.2	997.9	987.8	975.1	957.5	956.2	954.9	944.9	944.9	928.4	924.6
25°	978.9	963.8	953.6	942.2	924.6	922.1	922.1	913.2	912.0	896.9	894.2
27.5°	938.5	920.9	912.0	901.9	885.5	882.9	881.6	876.6	874.1	857.6	856.4
30°	884.2	869.0	861.5	852.6	837.5	834.9	833.6	828.6	827.4	810.9	810.9
32.5°	826.1	807.1	802.1	793.2	781.9	780.6	781.9	775.6	770.5	759.1	756.6
35°	756.6	737.6	733.9	730.1	721.2	718.8	717.5	716.2	709.9	702.2	698.5
37.5°	675.8	659.4	659.4	658.1	651.8	651.8	651.8	649.2	643.0	640.4	632.9
40°	588.6	576.0	577.2	578.5	576.0	577.2	578.5	576.0	571.0	568.4	562.1
42.5°	495.1	488.9	493.9	497.6	497.6	501.5	504.0	504.0	497.6	496.4	491.4
45°	401.6	400.4	410.5	418.1	420.6	427.0	430.8	428.2	428.2	428.2	423.1
47.5°	314.5	319.6	328.4	343.6	348.6	356.2	358.8	362.5	361.2	362.5	358.8
50°	238.8	250.1	261.5	276.6	284.2	293.0	296.9	301.9	301.9	303.1	300.6
52.5°	180.6	189.5	208.4	218.5	227.4	236.2	241.2	246.2	247.6	247.6	245.0
55°	133.9	146.5	159.1	173.0	180.6	189.5	193.2	198.4	198.4	200.9	198.4
57.5°	97.2	109.9	123.8	133.9	142.8	149.0	152.9	156.6	159.1	159.1	157.9
60°	72.0	82.1	93.5	103.6	111.1	117.5	120.0	123.8	125.0	125.0	122.5
62.5°	54.4	64.4	74.5	83.4	88.4	93.5	96.0	98.5	98.5	98.5	97.2
65°	44.2	51.8	59.4	67.0	72.0	75.8	77.0	79.6	78.4	79.6	78.4
67.5°	35.4	40.4	46.8	51.8	55.6	58.1	59.4	61.9	60.6	61.9	60.6
70°	26.5	31.6	35.4	39.1	41.6	44.2	45.5	46.8	45.5	46.8	45.5
72.5°	20.2	22.8	26.5	30.4	31.6	32.9	34.1	34.1	34.1	35.4	34.1
75°	13.9	16.4	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	16.4	16.4	17.6	17.6	17.6	17.6
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: P212786

CATALOG NUMBER: LE\_6B15D010 EC6B10208040 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1085.0	1085.0	1085.0	1085.0
2.5°	1068.6	1062.2	1072.4	1057.2
5°	1057.2	1050.9	1063.6	1044.6
7.5°	1043.4	1037.0	1048.4	1029.5
10°	1025.6	1019.4	1029.5	1009.2
12.5°	1010.5	1004.2	1015.6	996.6
15°	999.1	992.9	1002.9	985.2
17.5°	981.5	973.9	985.2	966.2
20°	956.2	951.1	960.0	941.0
22.5°	927.1	922.1	932.2	913.2
25°	896.9	890.5	900.6	881.6
27.5°	857.6	852.6	862.8	843.8
30°	810.9	805.9	816.0	798.2
32.5°	757.9	752.9	760.4	745.2
35°	697.2	693.5	701.0	684.6
37.5°	631.6	627.8	635.4	619.0
40°	560.9	557.0	563.4	555.8
42.5°	491.4	487.6	493.9	487.6
45°	423.1	420.6	427.0	420.6
47.5°	360.0	357.5	363.8	357.5
50°	299.4	300.6	303.1	300.6
52.5°	245.0	245.0	248.9	245.0
55°	198.4	199.6	200.9	198.4
57.5°	157.9	157.9	159.1	157.9
60°	122.5	123.8	123.8	122.5
62.5°	97.2	97.2	97.2	97.2
65°	77.0	77.0	78.4	77.0
67.5°	60.6	59.4	60.6	59.4
70°	45.5	45.5	45.5	45.5
72.5°	35.4	35.4	34.1	34.1
75°	25.2	26.5	25.2	25.2
77.5°	17.6	17.6	17.6	17.6
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)