

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P#

Luminaire Tested: **LX6C10D010 EX6C109040 6LBSQLI**

Issue Date: 3/23/2022

**Test Information**

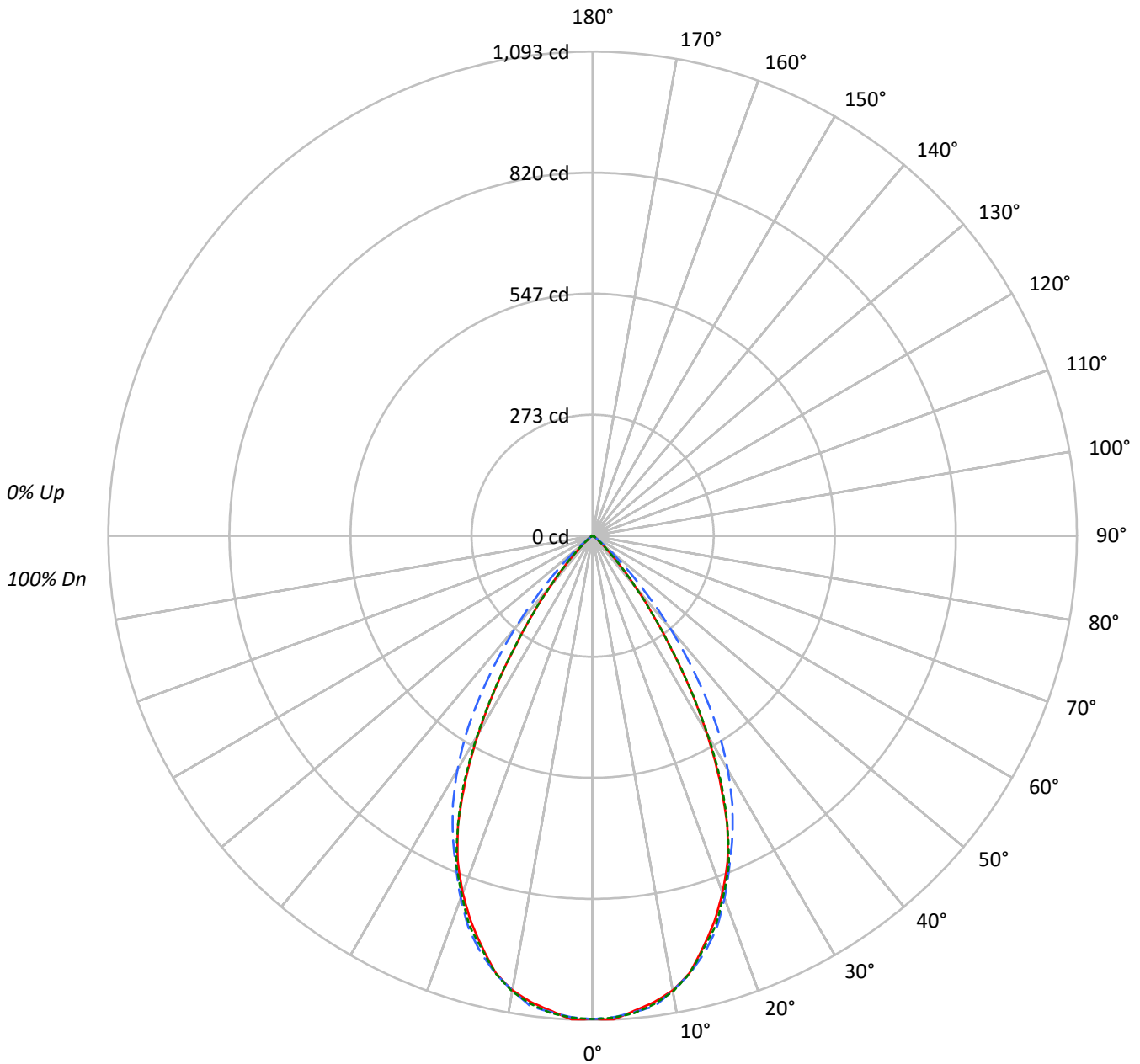
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/23/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109040 6LBSQLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBSQ TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1025.0 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.8  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	46965	46965	46965
5°	46518	46639	46756
10°	45552	45552	45674
15°	42890	43442	43041
20°	39267	39899	39551
25°	34119	35459	34153
30°	25664	30342	25902
35°	15931	23374	16005
40°	8386	15220	8346
45°	3471	7617	3556
50°	1333	2853	1333
55°	721	878	668
60°	474	413	474
65°	275	275	275
70°	176	264	176
75°	116	116	116
80°	174	174	174
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.1	10.0
10°-20°	271.6	26.5
20°-30°	333.4	32.5
30°-40°	230.1	22.5
40°-50°	72.0	7.0
50°-60°	11.2	1.1
60°-70°	3.2	0.3
70°-80°	1.1	0.1
80°-90°	0.2	0.0
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°	707.1	69.0
0°-40°	937.3	91.4
0°-60°	1020.5	99.6
0°-90°	1025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1076	1080	1079	1079	1082	102
15°	962	976	975	973	966	269
25°	718	737	746	742	719	322
35°	303	358	445	362	304	194
45°	57	78	125	77	58	51
55°	10	10	12	10	9	9
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1092.8	1077.7	1087.3	1085.2	1090.8	1094.2	1090.8	1096.9	1092.8	1088.0	1089.4
5°	1076.3	1078.4	1077.7	1079.1	1080.4	1080.4	1087.3	1088.0	1089.4	1079.1	1081.8
7.5°	1061.9	1061.9	1065.3	1063.9	1068.8	1067.4	1068.1	1073.6	1074.2	1071.5	1069.4
10°	1041.9	1039.2	1035.8	1035.8	1041.9	1042.6	1048.1	1048.8	1052.9	1041.9	1043.3
12.5°	1011.0	1009.6	1004.1	1006.9	1011.7	1008.9	1017.9	1018.6	1017.2	1012.4	1015.1
15°	962.2	967.7	966.3	965.6	976.6	975.3	974.6	976.6	977.3	974.6	972.5
17.5°	913.4	918.2	918.9	920.3	922.3	924.4	927.2	934.7	932.0	929.9	936.8
20°	857.0	855.0	860.5	866.0	868.0	868.0	872.2	877.7	873.6	870.8	871.5
22.5°	795.9	799.3	796.6	802.1	804.8	808.3	812.4	817.2	813.7	806.2	815.2
25°	718.2	720.3	729.2	728.6	732.7	740.9	747.1	747.1	747.1	746.4	746.4
27.5°	620.6	619.3	630.3	637.8	648.1	661.2	669.4	682.5	684.6	682.5	677.7
30°	516.2	514.8	528.5	538.1	556.7	562.9	585.6	598.0	611.0	610.3	606.9
32.5°	407.6	410.3	421.3	435.1	450.2	469.4	490.7	518.2	529.9	532.7	526.5
35°	303.1	307.2	317.5	329.2	347.8	369.1	398.6	424.8	444.7	444.7	439.9
37.5°	218.6	219.9	229.6	237.1	256.3	275.6	301.1	336.8	349.1	353.9	349.1
40°	149.2	149.2	154.6	162.9	178.7	195.2	218.6	245.3	263.2	270.8	262.5
42.5°	94.9	96.2	100.3	105.9	117.5	132.0	149.8	169.8	182.8	188.3	180.8
45°	57.0	58.4	61.9	66.0	73.6	82.5	94.9	109.3	120.3	125.1	121.6
47.5°	34.4	35.7	37.1	39.9	45.4	51.6	57.7	66.0	72.9	73.6	72.2
50°	19.9	19.9	21.3	23.4	26.1	29.6	33.0	37.8	39.9	42.6	39.9
52.5°	13.1	13.1	13.1	13.7	15.1	16.5	17.9	20.6	22.0	22.0	21.3
55°	9.6	9.6	9.6	9.6	10.3	10.3	10.3	11.0	11.7	11.7	11.7
57.5°	6.9	6.9	6.9	7.6	7.6	7.6	6.9	6.9	6.9	6.9	6.9
60°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.8	4.8	4.8
62.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	2.7	2.7	2.7	3.4	3.4	3.4	3.4	2.7	2.7	2.7	2.7
67.5°	2.1	2.1	2.1	2.7	2.7	2.7	2.7	2.7	2.1	2.1	2.1
70°	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8	1090.8
2.5°	1093.5	1090.1	1090.1	1090.1	1088.7	1090.1	1092.1	1088.7
5°	1081.8	1083.2	1077.0	1081.8	1083.9	1080.4	1088.7	1081.8
7.5°	1071.5	1069.4	1059.8	1066.7	1070.8	1072.2	1071.5	1066.0
10°	1050.9	1046.1	1041.9	1041.9	1040.6	1039.9	1047.4	1044.7
12.5°	1013.8	1017.2	1011.0	1014.5	1011.7	1012.4	1013.1	1011.7
15°	982.2	978.7	970.5	976.0	972.5	969.1	976.0	965.6
17.5°	932.6	932.0	927.2	923.7	925.1	924.4	927.9	923.1
20°	874.2	875.6	872.9	871.5	869.5	864.6	868.8	863.2
22.5°	811.0	812.4	815.2	809.6	810.3	803.5	809.6	803.5
25°	747.1	746.4	743.0	740.2	732.7	725.1	723.7	718.9
27.5°	677.0	672.2	663.9	655.0	643.3	633.0	632.3	628.9
30°	600.0	589.7	574.6	560.1	542.3	526.5	526.5	521.0
32.5°	518.9	495.5	474.9	457.1	433.7	424.8	415.8	411.0
35°	422.0	401.4	376.6	347.1	336.1	314.1	315.5	304.5
37.5°	330.6	305.2	281.8	257.8	238.5	228.2	222.7	217.2
40°	245.3	220.6	195.2	179.4	162.2	153.3	149.8	148.5
42.5°	167.7	147.1	130.6	117.5	108.6	99.0	96.2	94.9
45°	109.3	97.6	82.5	72.2	66.0	60.5	60.5	58.4
47.5°	65.3	57.7	50.2	43.3	39.2	35.7	34.4	33.7
50°	36.4	32.3	28.2	25.4	22.7	20.6	19.9	19.9
52.5°	19.9	17.9	16.5	14.4	13.1	13.1	13.1	12.4
55°	10.3	10.3	10.3	10.3	9.6	9.6	9.6	8.9
57.5°	6.9	6.9	7.6	7.6	7.6	6.9	6.9	6.9
60°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
62.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	2.7	3.4	3.4	3.4	3.4	2.7	2.7	2.7
67.5°	2.1	2.7	2.7	2.7	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°









(END OF REPORT)