

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 EX6C109050 6LBCSSQMW**

Issue Date: 5/25/2022



**Test Information**

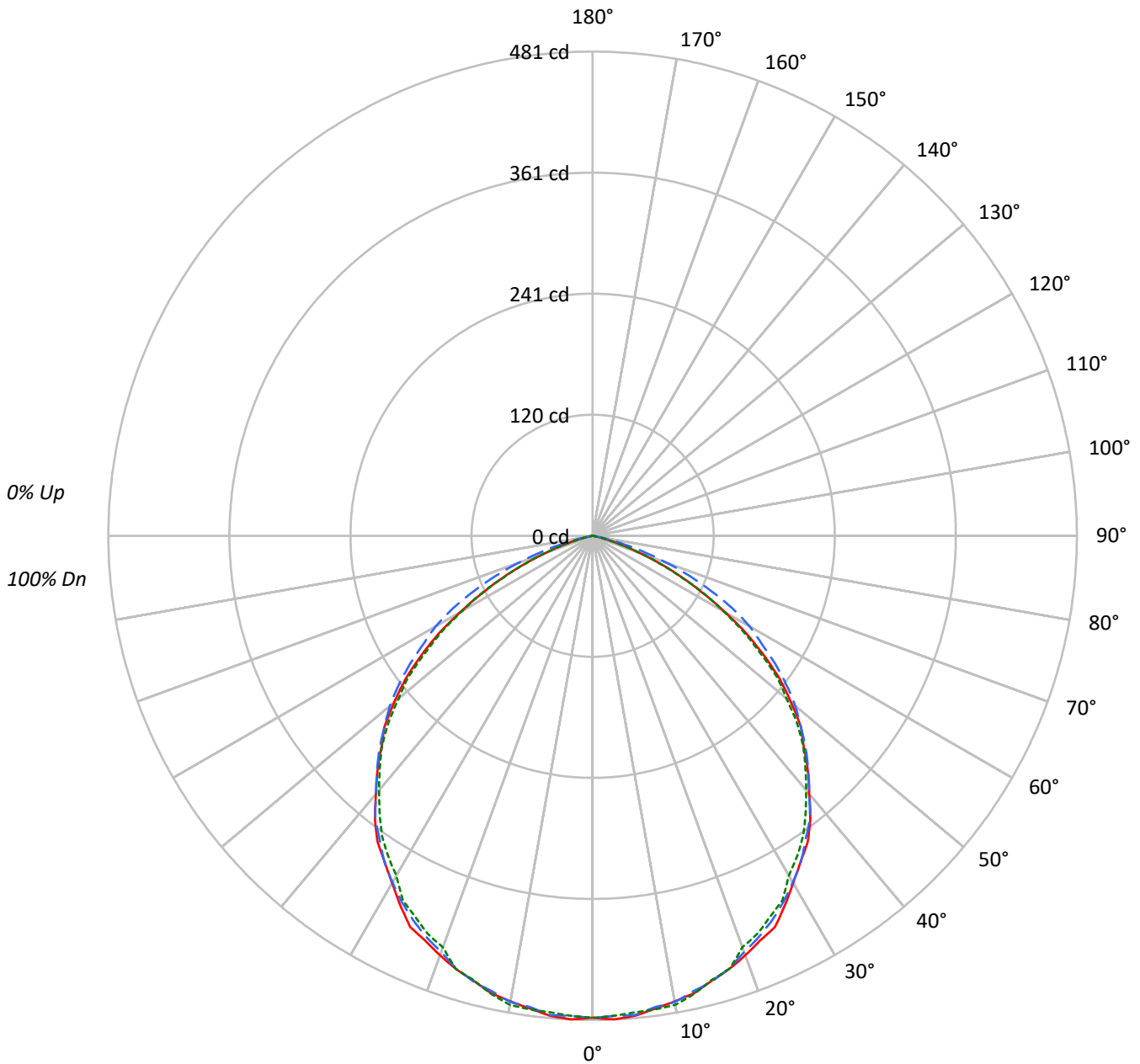
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/25/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109050 6LBCSSQMW  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBCSSQ TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1156.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.75  
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					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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75								
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64								
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56								
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49								
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43								
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38								
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34								
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31								
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28								

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

	0°	45°	90°
0°	20615	20615	20615
5°	20694	20664	20543
10°	20531	20561	20688
15°	20397	20428	20366
20°	20321	20160	19931
25°	20366	20029	19829
30°	19802	19767	19379
35°	19563	19374	19153
40°	18812	18812	18536
45°	18060	18230	18017
50°	17221	17596	16839
55°	15636	16589	15268
60°	13072	15509	12891
65°	10004	13234	9923
70°	6219	9781	6307
75°	2346	5290	2229
80°	174	868	174
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.3	3.9
10°-20°	129.1	11.2
20°-30°	194.3	16.8
30°-40°	229.9	19.9
40°-50°	229.4	19.8
50°-60°	190.2	16.5
60°-70°	111.1	9.6
70°-80°	26.5	2.3
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°	368.7	31.9
0°-40°	598.6	51.8
0°-60°	1018.2	88.1
0°-90°	1156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	479	476	478	477	475	45
15°	458	457	458	456	457	129
25°	429	424	422	420	417	196
35°	372	369	369	366	364	231
45°	297	297	299	296	296	229
55°	208	216	221	215	203	185
65°	98	110	130	110	97	98
75°	14	20	32	20	13	19
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°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8
2.5°	480.9	478.1	480.2	476.0	478.8	476.0	476.7	475.3	478.1	477.4	476.7
5°	478.8	479.5	478.1	479.5	477.4	475.3	477.4	476.0	471.7	478.1	476.7
7.5°	473.9	474.6	473.2	475.3	473.9	471.0	476.7	472.4	471.7	472.4	475.3
10°	469.6	471.0	470.3	469.6	470.3	470.3	468.9	466.8	468.9	470.3	469.6
12.5°	465.4	467.5	466.1	464.7	463.3	464.0	465.4	461.9	461.9	463.3	467.5
15°	457.6	459.0	459.7	456.9	456.9	457.6	460.4	454.8	457.6	458.3	459.0
17.5°	451.3	452.0	452.0	449.8	451.3	449.1	451.3	448.4	451.3	450.6	452.0
20°	443.5	444.9	443.5	443.5	442.1	442.8	442.8	442.8	440.7	440.0	441.4
22.5°	435.0	435.0	433.6	435.0	433.6	432.9	436.4	430.8	436.4	431.5	435.7
25°	428.7	425.1	423.0	422.3	425.1	422.3	423.7	421.6	423.0	421.6	422.3
27.5°	413.8	411.7	411.0	411.7	411.7	411.0	413.8	406.1	411.0	410.3	410.3
30°	398.3	398.3	399.7	398.3	399.7	397.6	400.4	394.1	398.3	397.6	398.3
32.5°	384.2	384.9	384.9	386.3	384.2	384.9	384.9	382.8	384.2	384.9	383.5
35°	372.2	368.6	368.6	368.6	368.6	368.6	370.1	367.9	370.1	368.6	368.6
37.5°	355.2	351.7	351.7	351.0	354.5	352.4	355.9	353.1	353.1	354.5	354.5
40°	334.7	336.2	334.0	336.8	336.2	333.3	339.7	335.5	338.3	334.7	337.6
42.5°	316.4	317.1	316.4	315.7	318.5	317.8	320.6	317.8	317.1	317.1	322.0
45°	296.6	296.6	296.6	298.7	296.6	297.3	300.1	298.7	300.1	299.4	304.4
47.5°	280.4	276.8	276.1	280.4	279.7	280.4	280.4	281.1	281.8	280.4	282.5
50°	257.1	255.6	255.6	256.4	257.1	258.5	260.6	262.0	260.6	262.7	263.4
52.5°	234.5	233.0	233.8	236.6	238.0	237.3	240.8	241.5	240.8	242.2	242.2
55°	208.3	206.9	209.0	212.6	214.7	216.8	220.3	217.5	220.3	221.0	221.7
57.5°	181.5	180.8	181.5	185.0	187.2	192.1	197.7	197.7	200.6	198.4	200.6
60°	151.8	151.8	154.7	156.8	162.4	166.0	171.6	174.4	177.3	180.1	178.7
62.5°	123.6	124.3	126.4	131.3	134.9	139.8	146.2	149.0	153.9	156.8	155.4
65°	98.2	98.2	99.6	103.8	107.3	113.7	119.4	125.7	128.5	129.9	130.7
67.5°	73.4	72.7	75.6	78.4	81.9	88.3	94.6	98.2	103.1	104.5	103.8
70°	49.4	50.1	51.6	54.4	58.6	63.5	70.6	73.4	76.3	77.7	76.3
72.5°	31.1	31.1	31.8	34.6	37.4	41.0	45.9	48.7	52.3	53.0	51.6
75°	14.1	14.1	15.5	16.9	19.1	21.9	25.4	27.5	29.7	31.8	31.8
77.5°	2.8	3.5	4.2	4.2	5.6	7.8	9.9	12.0	14.1	14.1	14.1
80°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.1	3.5	3.5	3.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	478.8	478.8	478.8	478.8	478.8	478.8	478.8	478.8
2.5°	478.8	483.0	478.8	476.7	479.5	478.8	476.7	477.4
5°	476.7	478.1	479.5	473.9	477.4	478.1	476.7	475.3
7.5°	474.6	475.3	474.6	473.2	473.2	473.2	474.6	474.6
10°	473.9	471.7	468.2	466.1	468.2	468.2	467.5	473.2
12.5°	464.7	467.5	465.4	461.1	465.4	464.7	464.7	466.1
15°	457.6	457.6	459.0	453.4	456.2	455.5	455.5	456.9
17.5°	450.6	450.6	449.8	448.4	447.7	449.8	447.7	451.3
20°	440.7	442.1	446.3	439.3	441.4	439.3	439.3	435.0
22.5°	428.7	435.7	432.2	431.5	430.8	431.5	432.9	428.0
25°	420.9	420.9	422.3	418.1	418.1	419.5	418.8	417.4
27.5°	410.3	409.6	408.9	407.5	411.0	408.2	408.2	408.2
30°	395.5	397.6	396.9	393.3	397.6	396.2	394.1	389.8
32.5°	382.8	385.6	381.4	380.7	379.9	380.7	381.4	377.8
35°	367.2	367.9	367.9	365.1	365.8	365.1	363.7	364.4
37.5°	353.1	352.4	348.9	347.5	348.1	348.1	348.9	347.5
40°	333.3	335.5	335.5	330.5	331.9	330.5	330.5	329.8
42.5°	317.1	317.8	315.7	313.6	313.6	312.9	311.4	312.9
45°	300.1	299.4	297.3	295.2	295.2	294.5	293.1	295.9
47.5°	281.1	279.7	279.0	276.1	276.1	271.9	272.6	275.4
50°	262.0	260.6	257.8	256.4	254.2	252.1	251.4	251.4
52.5°	239.4	239.4	236.6	233.8	233.0	231.6	230.2	230.9
55°	219.6	219.6	217.5	212.6	209.7	206.2	204.1	203.4
57.5°	197.0	195.6	191.4	185.7	182.9	180.1	178.0	178.0
60°	174.4	170.9	166.7	161.7	156.8	151.8	150.4	149.7
62.5°	149.7	146.2	138.4	132.8	129.2	126.4	123.6	125.7
65°	125.0	120.0	113.0	107.3	103.8	99.6	97.4	97.4
67.5°	98.9	93.9	86.9	81.2	77.7	74.8	72.0	72.0
70°	72.7	69.2	62.9	57.9	55.1	50.8	50.1	50.1
72.5°	49.4	45.2	40.3	36.7	33.9	31.1	29.7	29.0
75°	27.5	24.7	21.2	19.1	16.2	14.8	13.4	13.4
77.5°	11.3	9.2	7.1	5.6	4.2	3.5	2.8	3.5
80°	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	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)