

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 6LBCSSQMMS**

Issue Date: 5/25/2022



**Test Information**

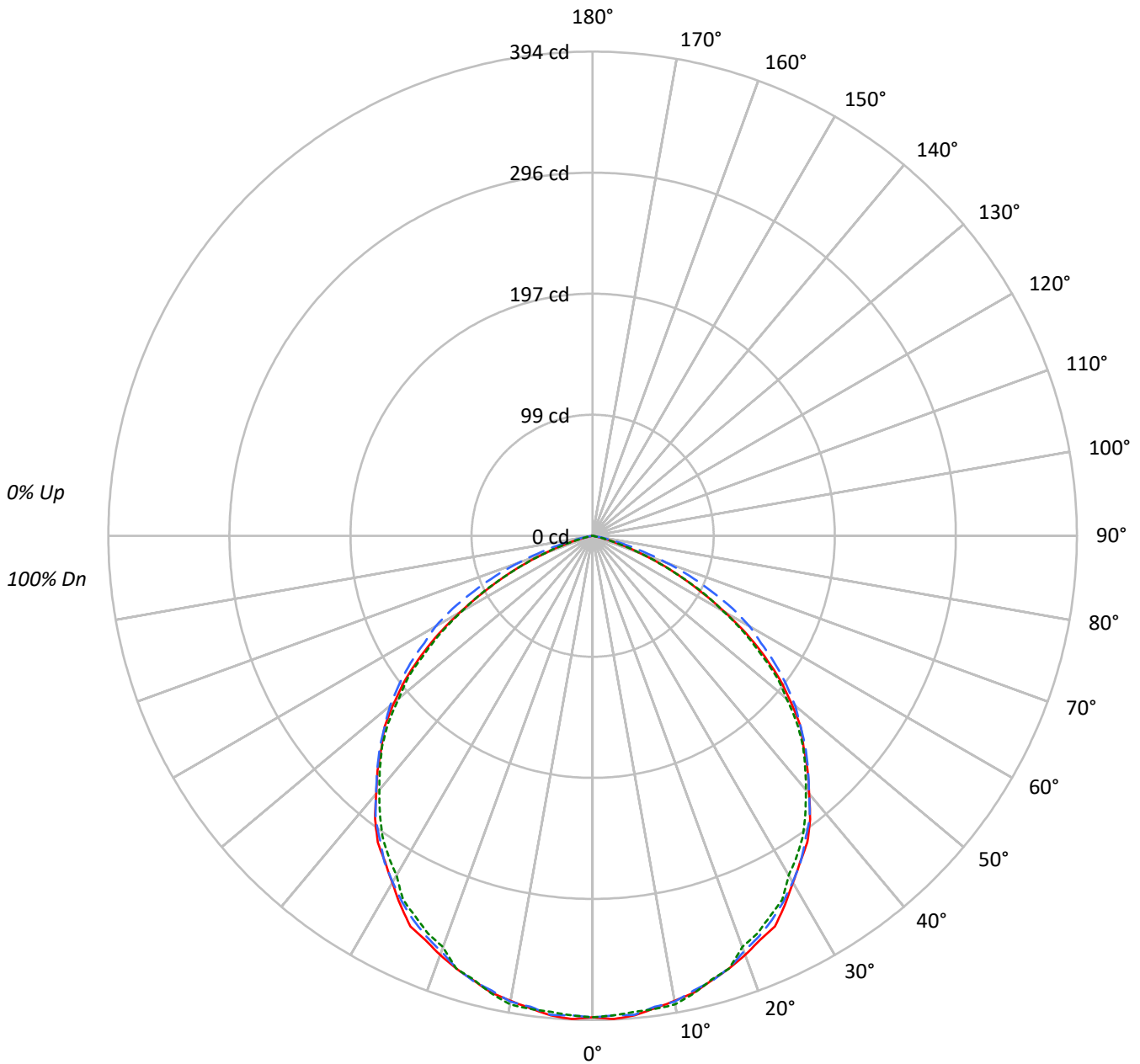
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/25/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109050 6LBCSSQMMS  
Description: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

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 946.0 lumens  
Efficiency: N/A  
Efficacy: 97.0 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				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			100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87			87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75			75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64			64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56			56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49			49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43			43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38			38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34			34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31			31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28			28

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

	0°	45°	90°
0°	16869	16869	16869
5°	16934	16912	16808
10°	16802	16828	16928
15°	16693	16720	16666
20°	16628	16495	16312
25°	16665	16390	16224
30°	16203	16178	15860
35°	16010	15858	15674
40°	15395	15395	15170
45°	14778	14918	14741
50°	14093	14401	13778
55°	12799	13579	12491
60°	10704	12693	10549
65°	8181	10830	8120
70°	5098	8006	5161
75°	1930	4325	1830
80°	149	719	149
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.1	3.9
10°-20°	105.7	11.2
20°-30°	159.0	16.8
30°-40°	188.1	19.9
40°-50°	187.7	19.8
50°-60°	155.7	16.5
60°-70°	90.9	9.6
70°-80°	21.7	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°	301.7	31.9
0°-40°	489.9	51.8
0°-60°	833.2	88.1
0°-90°	946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	392	392	392	392	392	
5°	392	390	391	390	389	37
15°	374	374	375	373	374	106
25°	351	347	345	344	342	160
35°	305	302	302	300	298	189
45°	243	243	245	242	242	188
55°	170	177	181	176	166	151
65°	80	90	106	90	80	80
75°	12	17	26	16	11	16
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°	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8
2.5°	393.6	391.3	393.0	389.5	391.8	389.5	390.1	388.9	391.3	390.7	390.1
5°	391.8	392.4	391.3	392.4	390.7	388.9	390.7	389.5	386.1	391.3	390.1
7.5°	387.8	388.4	387.2	388.9	387.8	385.5	390.1	386.6	386.1	386.6	388.9
10°	384.3	385.5	384.9	384.3	384.9	384.9	383.7	382.0	383.7	384.9	384.3
12.5°	380.8	382.6	381.4	380.3	379.1	379.7	380.8	378.0	378.0	379.1	382.6
15°	374.5	375.6	376.2	373.9	373.9	374.5	376.8	372.2	374.5	375.1	375.6
17.5°	369.3	369.9	369.9	368.1	369.3	367.6	369.3	367.0	369.3	368.7	369.9
20°	362.9	364.1	362.9	362.9	361.8	362.4	362.4	362.4	360.6	360.0	361.2
22.5°	356.0	356.0	354.8	356.0	354.8	354.3	357.2	352.5	357.2	353.1	356.6
25°	350.8	347.9	346.2	345.6	347.9	345.6	346.7	345.0	346.2	345.0	345.6
27.5°	338.7	336.9	336.3	336.9	336.9	336.3	338.7	332.3	336.3	335.8	335.8
30°	325.9	325.9	327.1	325.9	327.1	325.4	327.7	322.5	325.9	325.4	325.9
32.5°	314.4	315.0	315.0	316.1	314.4	315.0	315.0	313.2	314.4	315.0	313.8
35°	304.6	301.7	301.7	301.7	301.7	301.7	302.8	301.1	302.8	301.7	301.7
37.5°	290.7	287.8	287.8	287.2	290.1	288.4	291.3	288.9	288.9	290.1	290.1
40°	273.9	275.1	273.4	275.7	275.1	272.8	278.0	274.5	276.8	273.9	276.2
42.5°	258.9	259.5	258.9	258.3	260.6	260.1	262.4	260.1	259.5	259.5	263.5
45°	242.7	242.7	242.7	244.5	242.7	243.3	245.6	244.5	245.6	245.0	249.1
47.5°	229.4	226.5	226.0	229.4	228.9	229.4	229.4	230.0	230.6	229.4	231.2
50°	210.4	209.2	209.2	209.8	210.4	211.5	213.2	214.4	213.2	215.0	215.6
52.5°	191.9	190.7	191.3	193.6	194.8	194.2	197.1	197.6	197.1	198.2	198.2
55°	170.5	169.3	171.1	174.0	175.7	177.4	180.3	178.0	180.3	180.9	181.5
57.5°	148.5	147.9	148.5	151.4	153.2	157.2	161.8	161.8	164.1	162.4	164.1
60°	124.3	124.3	126.6	128.3	132.9	135.8	140.4	142.7	145.1	147.4	146.2
62.5°	101.1	101.7	103.4	107.5	110.4	114.4	119.6	121.9	126.0	128.3	127.1
65°	80.3	80.3	81.5	84.9	87.8	93.0	97.7	102.9	105.2	106.3	106.9
67.5°	60.1	59.5	61.8	64.2	67.0	72.2	77.5	80.3	84.4	85.5	84.9
70°	40.5	41.0	42.2	44.5	48.0	52.0	57.8	60.1	62.4	63.6	62.4
72.5°	25.4	25.4	26.0	28.3	30.6	33.5	37.6	39.9	42.8	43.3	42.2
75°	11.6	11.6	12.7	13.9	15.6	17.9	20.8	22.5	24.3	26.0	26.0
77.5°	2.3	2.9	3.5	3.5	4.6	6.4	8.1	9.8	11.6	11.6	11.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.7	2.9	2.9	2.9
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°	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8
2.5°	391.8	395.3	391.8	390.1	392.4	391.8	390.1	390.7
5°	390.1	391.3	392.4	387.8	390.7	391.3	390.1	388.9
7.5°	388.4	388.9	388.4	387.2	387.2	387.2	388.4	388.4
10°	387.8	386.1	383.2	381.4	383.2	383.2	382.6	387.2
12.5°	380.3	382.6	380.8	377.4	380.8	380.3	380.3	381.4
15°	374.5	374.5	375.6	371.0	373.3	372.8	372.8	373.9
17.5°	368.7	368.7	368.1	367.0	366.4	368.1	366.4	369.3
20°	360.6	361.8	365.2	359.5	361.2	359.5	359.5	356.0
22.5°	350.8	356.6	353.7	353.1	352.5	353.1	354.3	350.2
25°	344.4	344.4	345.6	342.1	342.1	343.3	342.7	341.5
27.5°	335.8	335.2	334.6	333.5	336.3	334.0	334.0	334.0
30°	323.6	325.4	324.8	321.9	325.4	324.2	322.5	319.0
32.5°	313.2	315.6	312.1	311.5	310.9	311.5	312.1	309.2
35°	300.5	301.1	301.1	298.8	299.4	298.8	297.6	298.2
37.5°	288.9	288.4	285.5	284.3	284.9	284.9	285.5	284.3
40°	272.8	274.5	274.5	270.5	271.6	270.5	270.5	269.9
42.5°	259.5	260.1	258.3	256.6	256.6	256.0	254.9	256.0
45°	245.6	245.0	243.3	241.6	241.6	241.0	239.8	242.1
47.5°	230.0	228.9	228.3	226.0	226.0	222.5	223.1	225.4
50°	214.4	213.2	211.0	209.8	208.0	206.3	205.7	205.7
52.5°	195.9	195.9	193.6	191.3	190.7	189.5	188.4	189.0
55°	179.7	179.7	178.0	174.0	171.6	168.8	167.0	166.4
57.5°	161.2	160.1	156.6	152.0	149.7	147.4	145.6	145.6
60°	142.7	139.9	136.4	132.3	128.3	124.3	123.1	122.5
62.5°	122.5	119.6	113.3	108.6	105.8	103.4	101.1	102.9
65°	102.3	98.2	92.5	87.8	84.9	81.5	79.7	79.7
67.5°	80.9	76.9	71.1	66.5	63.6	61.3	59.0	59.0
70°	59.5	56.6	51.4	47.4	45.1	41.6	41.0	41.0
72.5°	40.5	37.0	32.9	30.1	27.7	25.4	24.3	23.7
75°	22.5	20.2	17.3	15.6	13.3	12.1	11.0	11.0
77.5°	9.2	7.5	5.8	4.6	3.5	2.9	2.3	2.9
80°	1.7	1.2	0.6	0.6	0.6	0.6	0.6	0.6
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)