

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: **LX6C100D010 EX6C1009030 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: LX6C100D010 EX6C1009030 6LBSQLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

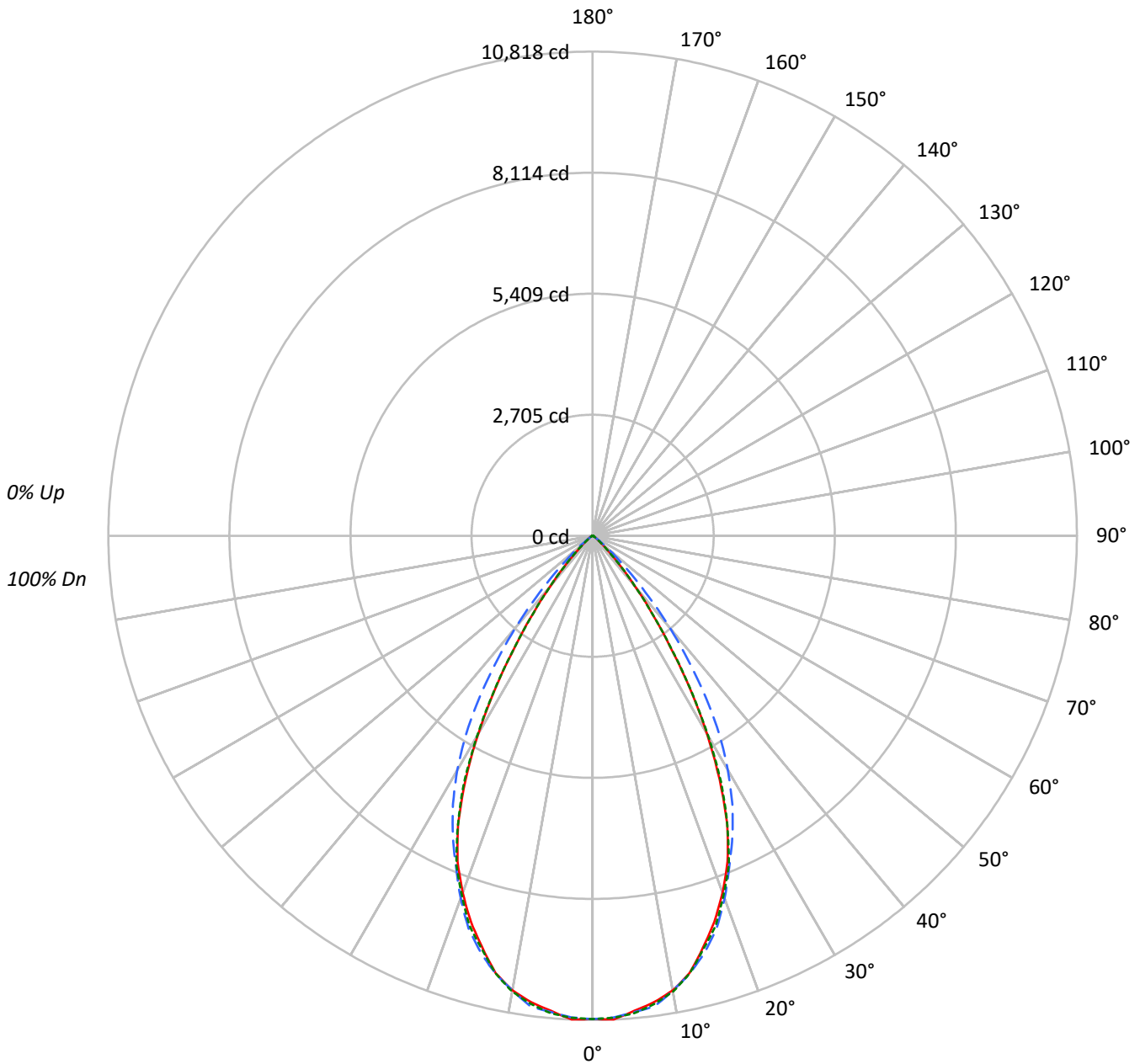
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10147.0 lumens
Efficiency: N/A
Efficacy: 88.7 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): 114.4
Input Voltage (V):
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									
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°	464911	464911	464911
5°	460519	461690	462862
10°	450953	450953	452155
15°	424594	430050	426105
20°	388741	394991	391554
25°	337782	351022	338105
30°	254031	300381	256412
35°	157715	231390	158430
40°	82993	150675	82610
45°	34378	75388	35207
50°	13222	28260	13222
55°	7154	8678	6643
60°	4702	4082	4702
65°	2761	2761	2761
70°	1712	2555	1712
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1010.9	10.0
10°-20°	2689.1	26.5
20°-30°	3300.2	32.5
30°-40°	2278.3	22.5
40°-50°	712.3	7.0
50°-60°	111.3	1.1
60°-70°	32.1	0.3
70°-80°	10.5	0.1
80°-90°	2.4	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°	7000.2	69.0
0°-40°	9278.4	91.4
0°-60°	10102.0	99.6
0°-90°	10147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10798	10798	10798	10798	10798	
5°	10655	10696	10682	10686	10709	###
15°	9526	9661	9648	9634	9559	2664
25°	7110	7294	7389	7341	7117	3186
35°	3001	3548	4402	3582	3014	1917
45°	565	772	1238	766	578	506
55°	95	102	116	102	88	93
65°	27	34	27	34	27	30
75°	7	7	7	7	7	10
85°	0	0	0	0	0	1
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°	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9
2.5°	10818.2	10668.7	10764.0	10743.3	10797.9	10831.8	10797.9	10858.9	10818.2	10770.8	10784.4
5°	10655.2	10675.5	10668.7	10682.3	10695.8	10695.8	10764.0	10770.8	10784.4	10682.3	10709.4
7.5°	10512.0	10512.0	10546.3	10532.3	10580.2	10566.6	10573.4	10627.6	10634.4	10607.3	10587.0
10°	10314.6	10287.5	10253.6	10253.6	10314.6	10321.4	10376.0	10382.8	10423.5	10314.6	10328.6
12.5°	10008.8	9994.8	9940.6	9967.7	10015.6	9988.0	10076.5	10083.3	10069.8	10022.3	10049.4
15°	9525.5	9580.1	9566.1	9559.4	9668.2	9654.7	9647.9	9668.2	9675.0	9647.9	9627.6
17.5°	9042.6	9090.0	9096.8	9110.4	9130.7	9151.4	9178.6	9253.5	9226.0	9205.7	9273.9
20°	8484.3	8464.0	8518.6	8572.8	8593.2	8593.2	8634.3	8688.5	8647.8	8620.7	8627.5
22.5°	7879.0	7912.9	7885.8	7940.0	7967.5	8001.4	8042.1	8090.0	8055.6	7981.1	8069.6
25°	7110.2	7130.5	7219.1	7212.3	7253.0	7334.7	7395.7	7395.7	7395.7	7388.9	7388.9
27.5°	6144.0	6130.5	6239.3	6313.9	6416.0	6545.6	6626.9	6756.1	6776.9	6756.1	6708.7
30°	5109.6	5096.1	5232.1	5327.4	5511.2	5572.6	5797.1	5919.5	6048.7	6041.9	6008.1
32.5°	4034.6	4062.1	4171.0	4307.0	4456.5	4647.1	4858.0	5130.0	5246.0	5273.1	5211.7
35°	3000.6	3041.3	3143.4	3259.0	3442.9	3653.8	3946.1	4204.9	4402.3	4402.3	4354.4
37.5°	2163.6	2177.2	2272.5	2347.5	2537.7	2728.3	2980.3	3334.0	3456.4	3503.9	3456.4
40°	1476.6	1476.6	1530.8	1612.6	1768.9	1932.4	2163.6	2428.8	2605.9	2680.8	2599.1
42.5°	939.1	952.6	993.3	1047.9	1163.6	1306.3	1483.4	1680.8	1810.0	1864.2	1789.6
45°	564.6	578.2	612.5	653.2	728.1	816.7	939.1	1081.8	1190.7	1238.1	1204.2
47.5°	340.1	353.7	367.2	394.8	449.0	510.4	571.4	653.2	721.4	728.1	714.6
50°	197.4	197.4	210.9	231.3	258.4	292.7	326.6	374.0	394.8	421.9	394.8
52.5°	129.2	129.2	129.2	136.0	149.5	163.5	177.1	204.2	217.7	217.7	210.9
55°	95.3	95.3	95.3	95.3	102.1	102.1	102.1	108.9	115.6	115.6	115.6
57.5°	68.2	68.2	68.2	75.0	75.0	75.0	68.2	68.2	68.2	68.2	68.2
60°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	47.4	47.4	47.4
62.5°	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
65°	27.1	27.1	27.1	33.9	33.9	33.9	33.9	27.1	27.1	27.1	27.1
67.5°	20.3	20.3	20.3	27.1	27.1	27.1	27.1	27.1	20.3	20.3	20.3
70°	13.6	13.6	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
72.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
75°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
82.5°	0.0	0.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
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°	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9	10797.9
2.5°	10825.0	10791.1	10791.1	10791.1	10777.6	10791.1	10811.5	10777.6
5°	10709.4	10722.9	10661.9	10709.4	10729.7	10695.8	10777.6	10709.4
7.5°	10607.3	10587.0	10491.7	10559.9	10600.5	10614.1	10607.3	10553.1
10°	10403.1	10355.7	10314.6	10314.6	10301.0	10294.3	10369.2	10342.1
12.5°	10035.9	10069.8	10008.8	10042.7	10015.6	10022.3	10029.1	10015.6
15°	9722.9	9689.0	9607.2	9661.4	9627.6	9593.7	9661.4	9559.4
17.5°	9232.8	9226.0	9178.6	9144.7	9158.2	9151.4	9185.3	9137.9
20°	8654.6	8668.1	8641.0	8627.5	8607.1	8559.3	8600.4	8545.7
22.5°	8028.5	8042.1	8069.6	8015.0	8021.8	7954.0	8015.0	7954.0
25°	7395.7	7388.9	7355.0	7327.9	7253.0	7178.0	7164.4	7117.0
27.5°	6701.9	6654.4	6572.7	6484.2	6368.5	6266.4	6259.7	6225.8
30°	5939.9	5837.8	5688.3	5545.1	5368.5	5211.7	5211.7	5157.5
32.5°	5137.2	4905.5	4701.3	4524.7	4293.4	4204.9	4116.4	4068.9
35°	4177.8	3973.6	3728.4	3436.1	3327.2	3109.5	3123.1	3014.2
37.5°	3272.6	3021.0	2789.7	2551.6	2361.0	2259.0	2204.3	2150.1
40°	2428.8	2184.0	1932.4	1775.6	1605.8	1517.3	1483.4	1469.8
42.5°	1660.0	1455.8	1292.8	1163.6	1075.0	979.7	952.6	939.1
45°	1081.8	966.2	816.7	714.6	653.2	598.9	598.9	578.2
47.5°	646.4	571.4	496.9	428.7	388.0	353.7	340.1	333.4
50°	360.5	319.8	279.1	251.6	224.5	204.2	197.4	197.4
52.5°	197.4	177.1	163.5	142.7	129.2	129.2	129.2	122.4
55°	102.1	102.1	102.1	102.1	95.3	95.3	95.3	88.5
57.5°	68.2	68.2	75.0	75.0	75.0	68.2	68.2	68.2
60°	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
62.5°	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
65°	27.1	33.9	33.9	33.9	33.9	27.1	27.1	27.1
67.5°	20.3	27.1	27.1	27.1	20.3	20.3	20.3	20.3
70°	20.3	20.3	20.3	20.3	20.3	13.6	13.6	13.6
72.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
75°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
82.5°	6.8	6.8	6.8	6.8	6.8	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)