

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: **LX6C130D010 EX6C1309727 6LBSQLI**

Issue Date: 2/15/2022

**Test Information**

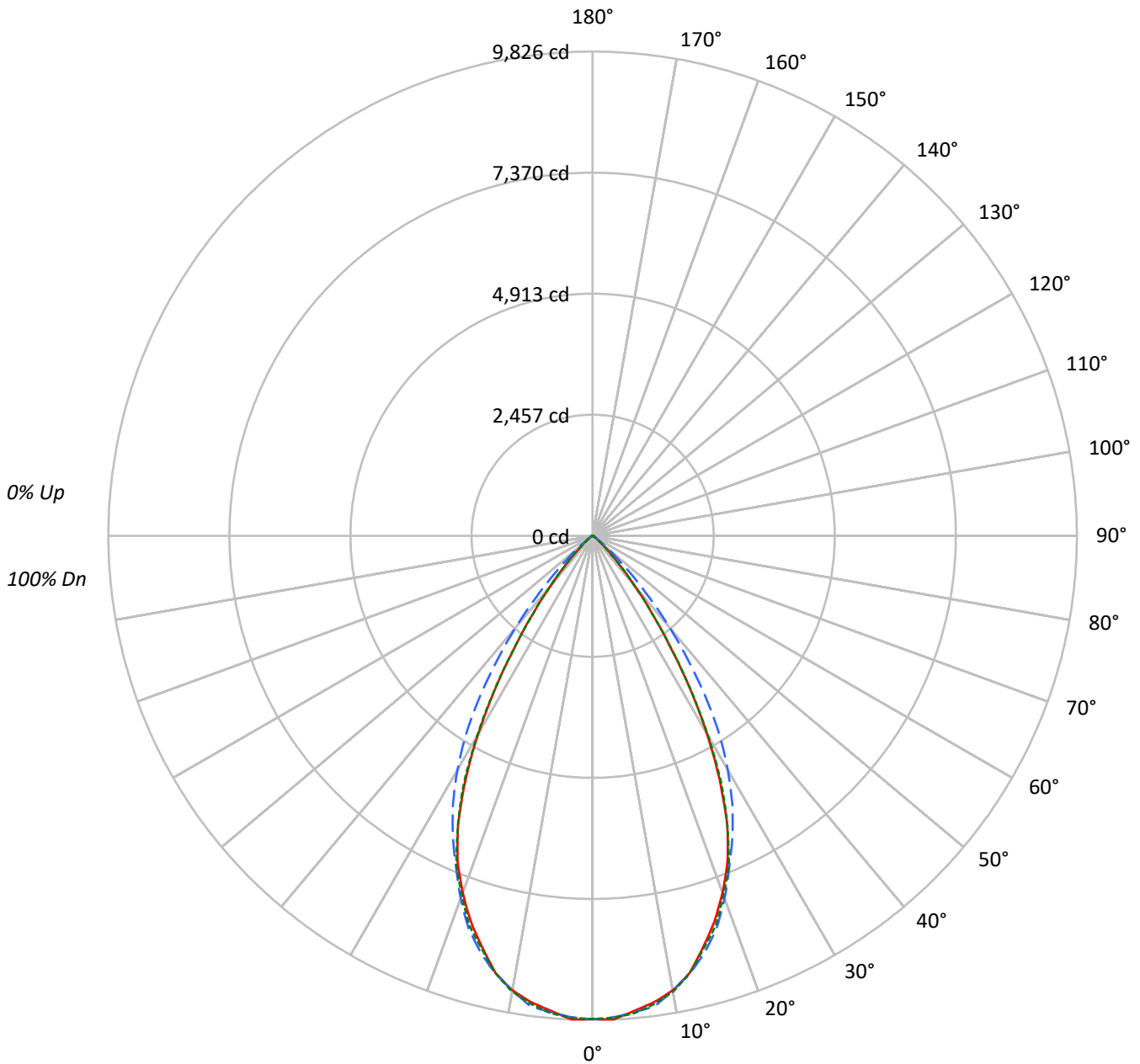
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209355)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309727 6LBSQLI  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS  
AND 6LBSQ TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9216.0 lumens  
Efficiency: N/A  
Efficacy: 63.9 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): 144.3  
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°	422260	422260	422260
5°	418263	419326	420398
10°	409585	409585	410669
15°	385636	390597	387014
20°	353089	358748	355628
25°	306793	318822	307078
30°	230739	272819	232887
35°	143240	210156	143892
40°	75371	136848	75028
45°	31237	68483	31992
50°	11997	25668	11997
55°	6493	7882	6035
60°	4245	3729	4245
65°	2527	2527	2527
70°	1561	2329	1561
75°	1015	1015	1015
80°	1512	1512	1512
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	918.1	10.0
10°-20°	2442.3	26.5
20°-30°	2997.5	32.5
30°-40°	2069.2	22.5
40°-50°	646.9	7.0
50°-60°	101.0	1.1
60°-70°	29.3	0.3
70°-80°	9.5	0.1
80°-90°	2.1	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°	6357.9	69.0
0°-40°	8427.2	91.4
0°-60°	9175.1	99.6
0°-90°	9216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9216.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9807	9807	9807	9807	9807	
5°	9678	9714	9702	9705	9727	915
15°	8652	8775	8763	8750	8682	2420
25°	6458	6625	6711	6668	6464	2894
35°	2725	3223	3998	3254	2738	1741
45°	513	701	1125	695	525	459
55°	86	93	105	93	80	84
65°	25	31	25	31	25	27
75°	6	6	6	6	6	9
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°	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3
2.5°	9825.8	9689.7	9776.2	9757.7	9807.3	9838.2	9807.3	9862.7	9825.8	9782.5	9794.9
5°	9677.5	9696.0	9689.7	9702.1	9714.5	9714.5	9776.2	9782.5	9794.9	9702.1	9726.9
7.5°	9547.8	9547.8	9578.6	9566.3	9609.5	9597.1	9603.2	9652.8	9658.8	9634.3	9615.6
10°	9368.4	9343.7	9312.8	9312.8	9368.4	9374.8	9424.1	9430.2	9467.3	9368.4	9380.8
12.5°	9090.4	9078.0	9028.5	9053.3	9096.5	9071.7	9152.2	9158.2	9146.1	9102.8	9127.4
15°	8651.5	8701.1	8688.7	8682.4	8781.3	8768.9	8762.8	8781.3	8787.6	8762.8	8744.4
17.5°	8212.9	8256.2	8262.2	8274.6	8293.1	8311.8	8336.4	8404.4	8379.6	8361.1	8422.9
20°	7706.2	7687.5	7737.1	7786.4	7804.9	7804.9	7842.1	7891.4	7854.5	7829.7	7836.0
22.5°	7156.0	7186.9	7162.4	7211.7	7236.5	7267.3	7304.5	7347.8	7316.9	7248.9	7329.1
25°	6457.9	6476.3	6556.8	6550.4	6587.6	6661.7	6717.4	6717.4	6717.4	6711.1	6711.1
27.5°	5580.3	5567.9	5666.8	5734.9	5827.5	5944.9	6019.0	6136.4	6155.1	6136.4	6093.1
30°	4641.1	4628.7	4752.1	4838.7	5005.6	5061.3	5265.1	5376.4	5493.8	5487.5	5456.6
32.5°	3664.7	3689.2	3788.1	3911.8	4047.6	4220.7	4412.4	4659.6	4764.5	4789.3	4733.7
35°	2725.2	2762.3	2854.9	2960.2	3126.9	3318.6	3584.2	3819.0	3998.3	3998.3	3955.1
37.5°	1965.3	1977.4	2063.9	2132.0	2305.0	2478.0	2706.7	3028.0	3139.3	3182.5	3139.3
40°	1341.0	1341.0	1390.5	1464.6	1606.8	1755.0	1965.3	2206.1	2366.7	2434.8	2360.6
42.5°	852.7	865.1	902.3	951.6	1056.6	1186.4	1347.3	1526.4	1643.7	1693.3	1625.3
45°	513.0	525.4	556.3	593.2	661.2	741.7	852.7	982.5	1081.4	1124.7	1093.8
47.5°	308.9	321.3	333.7	358.4	407.8	463.4	519.1	593.2	655.2	661.2	648.8
50°	179.1	179.1	191.5	210.2	234.8	265.6	296.7	340.0	358.4	383.2	358.4
52.5°	117.4	117.4	117.4	123.7	135.8	148.2	160.6	185.4	197.8	197.8	191.5
55°	86.5	86.5	86.5	86.5	92.6	92.6	92.6	98.9	105.0	105.0	105.0
57.5°	61.7	61.7	61.7	68.0	68.0	68.0	61.7	61.7	61.7	61.7	61.7
60°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	43.3	43.3	43.3
62.5°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
65°	24.8	24.8	24.8	30.9	30.9	30.9	30.9	24.8	24.8	24.8	24.8
67.5°	18.5	18.5	18.5	24.8	24.8	24.8	24.8	24.8	18.5	18.5	18.5
70°	12.4	12.4	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
72.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
77.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
80°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
82.5°	0.0	0.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
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°	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3	9807.3
2.5°	9831.9	9801.0	9801.0	9801.0	9788.6	9801.0	9819.5	9788.6
5°	9726.9	9739.3	9683.6	9726.9	9745.4	9714.5	9788.6	9726.9
7.5°	9634.3	9615.6	9529.1	9591.0	9628.0	9640.4	9634.3	9584.7
10°	9448.9	9405.6	9368.4	9368.4	9356.0	9350.0	9418.0	9393.2
12.5°	9115.0	9146.1	9090.4	9121.3	9096.5	9102.8	9108.9	9096.5
15°	8830.9	8800.0	8725.7	8775.2	8744.4	8713.5	8775.2	8682.4
17.5°	8385.9	8379.6	8336.4	8305.5	8317.9	8311.8	8342.7	8299.4
20°	7860.5	7872.9	7848.1	7836.0	7817.3	7774.0	7811.2	7761.6
22.5°	7292.1	7304.5	7329.1	7279.7	7285.8	7224.1	7279.7	7224.1
25°	6717.4	6711.1	6680.2	6655.7	6587.6	6519.6	6507.2	6463.9
27.5°	6087.0	6043.8	5969.6	5889.2	5784.2	5691.6	5685.3	5654.5
30°	5394.9	5302.1	5166.2	5036.5	4875.8	4733.7	4733.7	4684.3
32.5°	4665.6	4455.7	4270.2	4109.6	3899.4	3819.0	3738.8	3695.5
35°	3794.4	3609.0	3386.4	3120.8	3021.9	2824.1	2836.5	2737.6
37.5°	2972.5	2743.9	2533.7	2317.4	2144.4	2051.8	2002.2	1952.9
40°	2206.1	1983.7	1755.0	1612.9	1458.3	1378.1	1347.3	1334.9
42.5°	1507.9	1322.5	1174.2	1056.6	976.4	889.9	865.1	852.7
45°	982.5	877.5	741.7	648.8	593.2	543.9	543.9	525.4
47.5°	587.1	519.1	451.0	389.3	352.1	321.3	308.9	302.8
50°	327.6	290.4	253.5	228.7	203.9	185.4	179.1	179.1
52.5°	179.1	160.6	148.2	129.8	117.4	117.4	117.4	111.3
55°	92.6	92.6	92.6	92.6	86.5	86.5	86.5	80.4
57.5°	61.7	61.7	68.0	68.0	68.0	61.7	61.7	61.7
60°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
62.5°	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
65°	24.8	30.9	30.9	30.9	30.9	24.8	24.8	24.8
67.5°	18.5	24.8	24.8	24.8	18.5	18.5	18.5	18.5
70°	18.5	18.5	18.5	18.5	18.5	12.4	12.4	12.4
72.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
77.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
80°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
82.5°	6.1	6.1	6.1	6.1	6.1	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)