

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: **LX6C120D010 EX6C1209040 6LCSQWLI**

Issue Date: 2/16/2022



**Test Information**

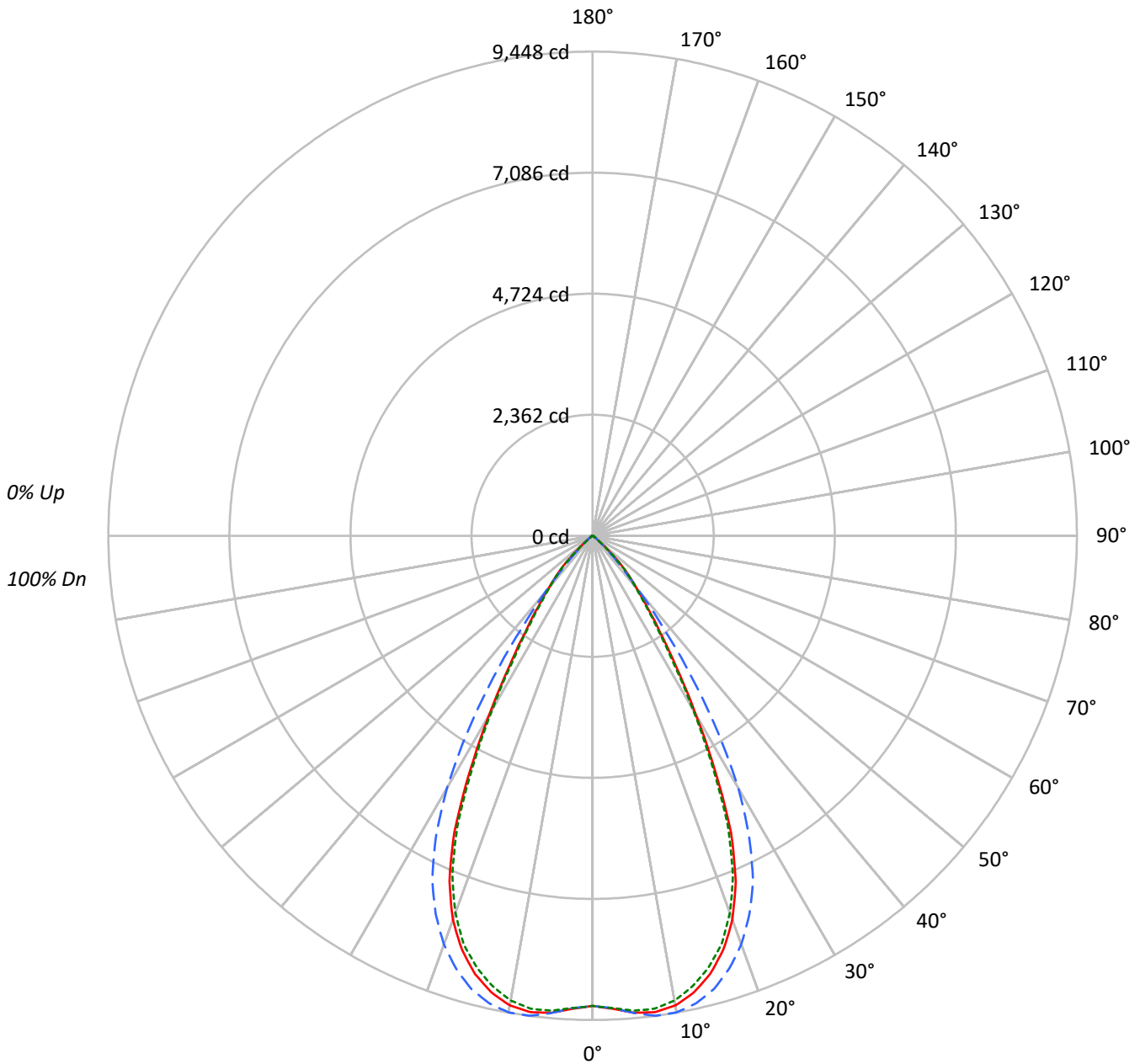
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX6C1209040 6LCSQWLI  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8844.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 142.3  
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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51																			

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

	0°	45°	90°
0°	394975	394975	394975
5°	403823	404138	402038
10°	406796	412838	402551
15°	394636	408044	388908
20°	365199	388649	358643
25°	303520	351687	296261
30°	200183	282424	194152
35°	120355	177725	114873
40°	74843	80435	71847
45°	43719	29093	42093
50°	10235	10074	9913
55°	4917	4737	4917
60°	3134	2928	3134
65°	2221	1976	2221
70°	1523	1523	1523
75°	815	1214	815
80°	1215	1215	1215
85°	1186	1186	1186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	892.0	10.1
10°-20°	2512.3	28.4
20°-30°	3063.8	34.6
30°-40°	1738.1	19.7
40°-50°	533.1	6.0
50°-60°	71.7	0.8
60°-70°	22.0	0.2
70°-80°	7.8	0.1
80°-90°	3.1	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°	6468.1	73.1
0°-40°	8206.2	92.8
0°-60°	8811.0	99.6
0°-90°	8844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8844.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9174	9174	9174	9174	9174	
5°	9343	9346	9351	9324	9302	890
15°	8853	9052	9154	8982	8725	2468
25°	6389	6937	7403	6879	6236	2824
35°	2290	2617	3381	2540	2186	1497
45°	718	752	478	723	691	541
55°	66	68	63	66	66	67
65°	22	22	19	22	22	22
75°	5	7	7	7	5	7
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9173.6	9173.6	9173.6	9173.6	9173.6
2.5°	9241.5	9234.2	9224.5	9222.1	9224.5
5°	9343.4	9345.8	9350.7	9324.0	9302.1
7.5°	9374.9	9418.6	9447.7	9377.3	9307.0
10°	9304.6	9394.3	9442.8	9333.7	9207.5
12.5°	9127.5	9275.5	9341.0	9200.3	9006.2
15°	8853.4	9052.3	9154.2	8982.0	8724.9
17.5°	8475.0	8744.3	8858.3	8666.6	8358.6
20°	7970.5	8290.7	8482.3	8232.5	7827.4
22.5°	7298.6	7727.9	7994.7	7674.6	7153.1
25°	6389.0	6937.2	7402.9	6879.0	6236.2
27.5°	5190.8	5908.7	6614.6	5831.1	5052.5
30°	4026.5	4676.5	5680.7	4620.8	3905.2
32.5°	3027.1	3553.5	4555.3	3490.4	2901.0
35°	2289.8	2617.2	3381.3	2539.6	2185.5
37.5°	1741.6	1923.5	2265.5	1867.7	1651.8
40°	1331.6	1411.7	1431.1	1370.5	1278.3
42.5°	1040.6	1040.6	836.8	1009.0	1009.0
45°	718.0	751.9	477.8	722.8	691.3
47.5°	361.4	482.7	262.0	465.7	337.2
50°	152.8	237.7	150.4	230.4	148.0
52.5°	92.2	104.3	92.2	104.3	87.3
55°	65.5	67.9	63.1	65.5	65.5
57.5°	48.5	48.5	46.1	48.5	48.5
60°	36.4	36.4	34.0	36.4	36.4
62.5°	26.7	29.1	26.7	29.1	26.7
65°	21.8	21.8	19.4	21.8	21.8
67.5°	17.0	17.0	14.6	17.0	17.0
70°	12.1	12.1	12.1	12.1	12.1
72.5°	9.7	9.7	9.7	9.7	9.7
75°	4.9	7.3	7.3	7.3	4.9
77.5°	4.9	4.9	4.9	4.9	4.9
80°	4.9	4.9	4.9	4.9	4.9
82.5°	2.4	4.9	4.9	4.9	2.4
85°	2.4	2.4	2.4	2.4	2.4
87.5°	2.4	2.4	2.4	2.4	2.4
90°	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)