

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: P684806

Luminaire Tested: **LX6C120D010 EX61209040 6LBMLI**

Issue Date: 2/15/2022



**Test Information**

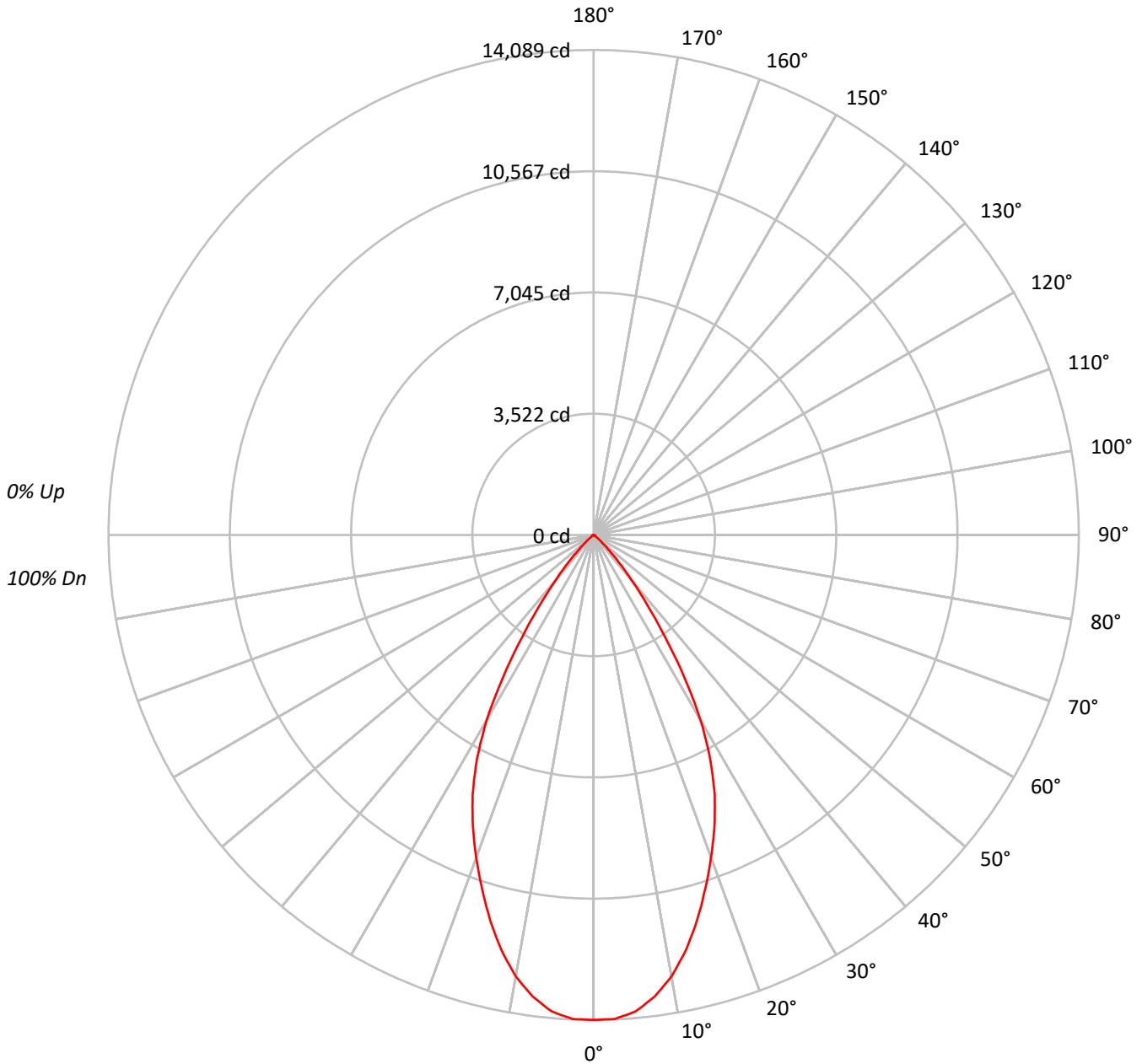
Test Method: LM-79-08  
Report Number: P684806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX61209040 6LBMLI  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBM TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11257.9 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
Luminous Opening: Circular (Dia: 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				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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94				94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88				88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82				82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76				76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71				71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67				67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63				63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59				59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52				52

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

	0°
0°	772350
5°	765005
10°	724914
15°	658154
20°	581576
25°	502789
30°	393022
35°	241023
40°	123710
45°	49145
50°	15957
55°	5496
60°	4715
65°	3762
70°	2324
75°	3071
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1297.9	11.5
10°-20°	3231.3	28.7
20°-30°	3756.2	33.4
30°-40°	2300.2	20.4
40°-50°	571.2	5.1
50°-60°	66.7	0.6
60°-70°	24.9	0.2
70°-80°	9.5	0.1
80°-90°	0.0	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°	8285.4	73.6
0°-40°	10585.6	94.0
0°-60°	11223.5	99.7
0°-90°	11257.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11257.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14089	
5°	13902	###
15°	11597	3231
25°	8312	3756
35°	3602	2300
45°	634	571
55°	58	67
65°	29	25
75°	14	10
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14088.8
2.5°	14074.3
5°	13901.7
7.5°	13526.9
10°	13022.6
12.5°	12360.1
15°	11596.6
17.5°	10775.5
20°	9969.0
22.5°	9161.9
25°	8312.3
27.5°	7332.6
30°	6208.8
32.5°	4897.9
35°	3601.5
37.5°	2535.3
40°	1728.7
42.5°	1080.2
45°	633.9
47.5°	360.3
50°	187.1
52.5°	86.6
55°	57.5
57.5°	43.0
60°	43.0
62.5°	29.0
65°	29.0
67.5°	14.5
70°	14.5
72.5°	14.5
75°	14.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)