

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: P568277

Luminaire Tested: **LD6C150D010 EU61509027 6LBMLI**

Issue Date: 10/10/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205078)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/10/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C150D010 EU61509027 6LBMLI  
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBM TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

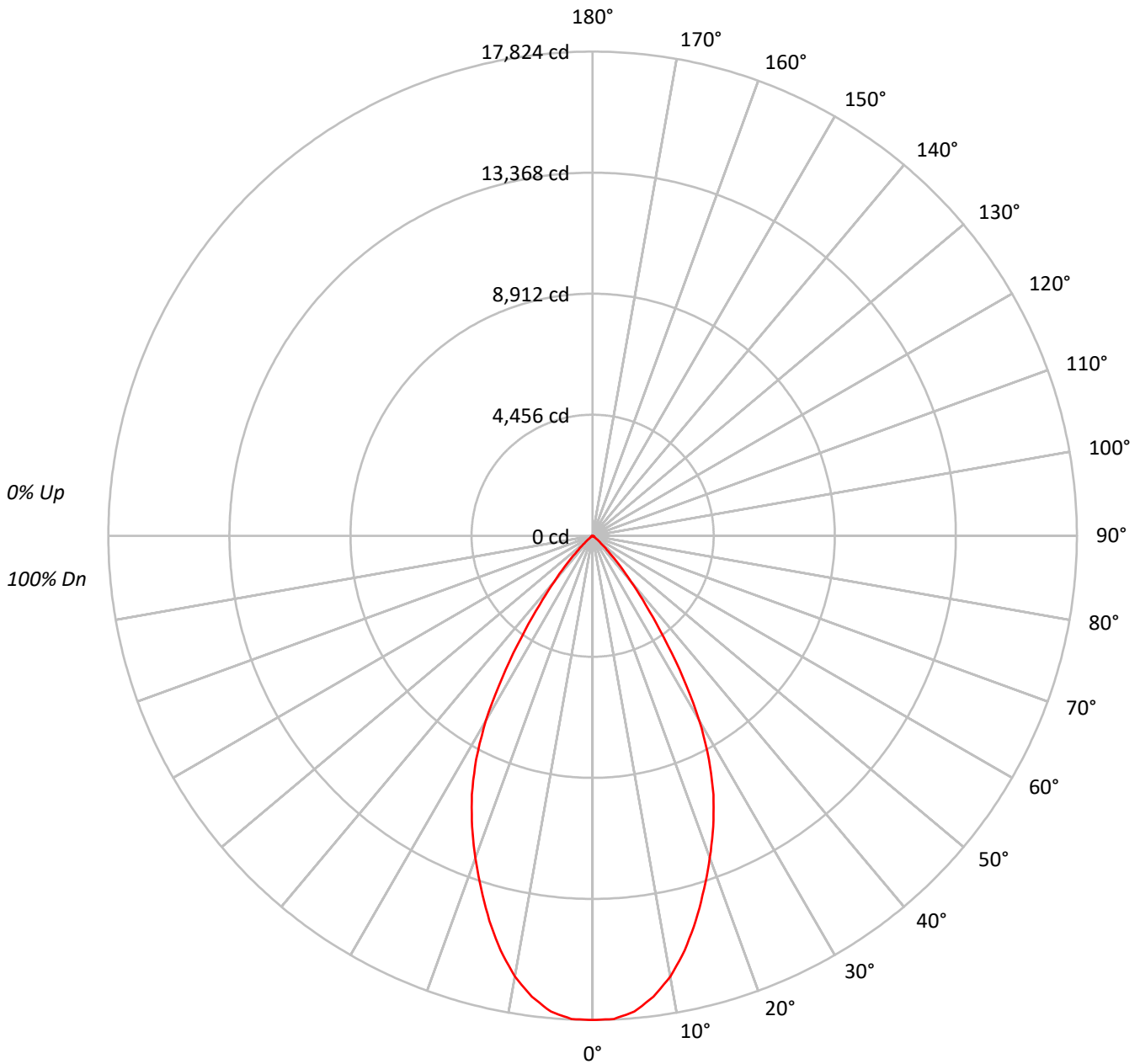
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14243.0 lumens  
Efficiency: N/A  
Efficacy: 83.2 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): 171.1  
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				
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			
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

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

	0°
0°	977142
5°	967789
10°	917151
15°	832667
20°	735758
25°	636109
30°	497247
35°	304881
40°	156486
45°	62208
50°	20187
55°	6948
60°	5953
65°	4787
70°	2965
75°	3918
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1642.0	11.5
10°-20°	4088.0	28.7
20°-30°	4752.2	33.4
30°-40°	2909.9	20.4
40°-50°	722.8	5.1
50°-60°	84.4	0.6
60°-70°	31.7	0.2
70°-80°	12.1	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°	10482.2	73.6
0°-40°	13392.1	94.0
0°-60°	14199.2	99.7
0°-90°	14243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14243.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17824	
5°	17587	###
15°	14672	4088
25°	10516	4752
35°	4556	2910
45°	802	723
55°	73	84
65°	37	32
75°	18	12
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17824.5
2.5°	17806.1
5°	17586.7
7.5°	17113.4
10°	16476.0
12.5°	15636.8
15°	14671.5
17.5°	13632.5
20°	12611.9
22.5°	11591.3
25°	10516.4
27.5°	9276.5
30°	7855.3
32.5°	6196.3
35°	4555.7
37.5°	3207.3
40°	2186.7
42.5°	1366.9
45°	802.4
47.5°	456.0
50°	236.7
52.5°	109.7
55°	72.7
57.5°	54.3
60°	54.3
62.5°	36.9
65°	36.9
67.5°	18.5
70°	18.5
72.5°	18.5
75°	18.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)