

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: P859299

Luminaire Tested: **LD4C60D010 EU4609030 4LBNH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C60D010 EU4609030 4LBNH  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBN TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver:

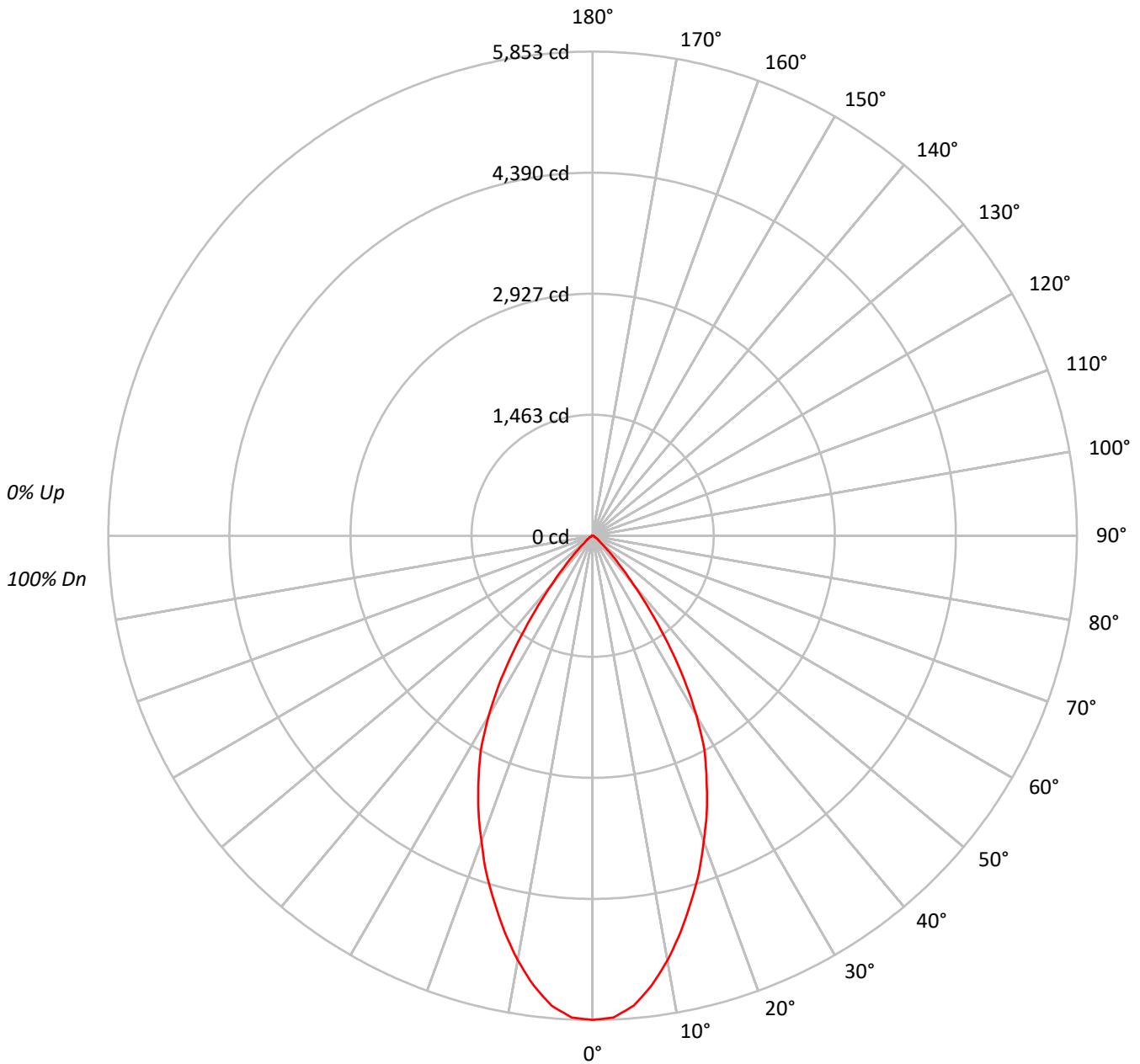
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4661.5 lumens  
Efficiency: N/A  
Efficacy: 47.8 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 97.5  
Input Voltage (V):  
Input Current (Ain): 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
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	109	106	104	105	103	101	101	99	98	97	96	95	93		
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75		
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70		
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61		
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58		
9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54		
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51		

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

	0°
0°	719037
5°	703038
10°	650028
15°	583255
20°	513447
25°	441878
30°	355825
35°	236873
40°	123215
45°	55788
50°	24197
55°	16235
60°	10393
65°	7384
70°	6106
75°	3987
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	528.1	11.3
10°-20°	1280.9	27.5
20°-30°	1487.1	31.9
30°-40°	984.8	21.1
40°-50°	276.2	5.9
50°-60°	69.4	1.5
60°-70°	26.1	0.6
70°-80°	8.9	0.2
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°	3296.1	70.7
0°-40°	4280.9	91.8
0°-60°	4626.5	99.2
0°-90°	4661.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4661.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5853	
5°	5701	528
15°	4586	1281
25°	3260	1487
35°	1579	985
45°	321	276
55°	76	69
65°	25	26
75°	8	9
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5852.8
2.5°	5827.3
5°	5700.8
7.5°	5480.9
10°	5210.7
12.5°	4906.7
15°	4585.8
17.5°	4273.4
20°	3927.3
22.5°	3606.2
25°	3259.8
27.5°	2930.7
30°	2508.3
32.5°	2060.6
35°	1579.4
37.5°	1131.7
40°	768.3
42.5°	498.1
45°	321.1
47.5°	194.4
50°	126.6
52.5°	92.8
55°	75.8
57.5°	59.3
60°	42.3
62.5°	33.9
65°	25.4
67.5°	17.0
70°	17.0
72.5°	8.4
75°	8.4
77.5°	8.4
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)