

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: P857206

Luminaire Tested: **LX4C20D010 EU4209050 4LBHYLI**

Issue Date: 7/20/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P857206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/20/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EU4209050 4LBHYLI  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBHYP TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

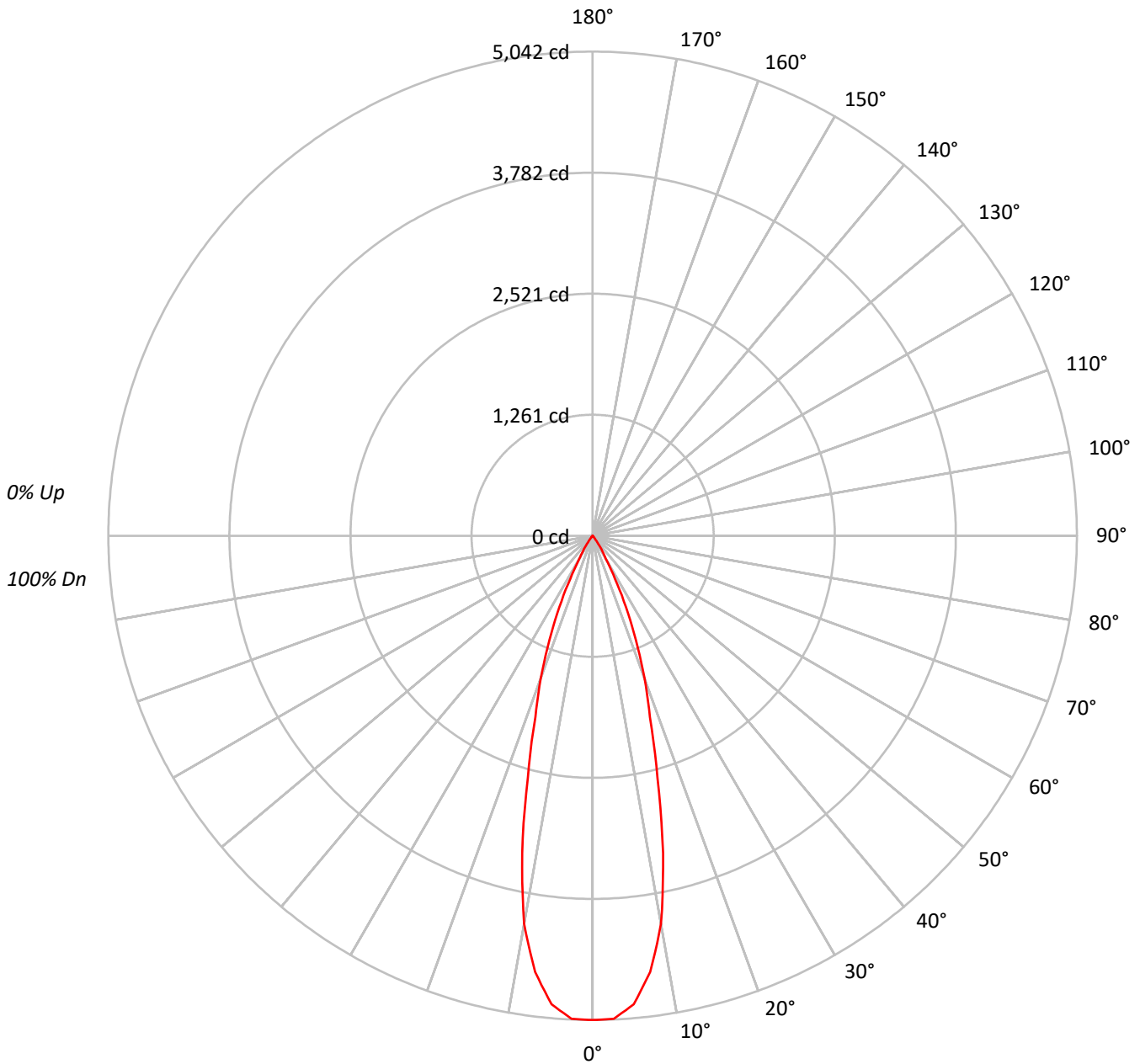
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1630.1 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																												
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																												
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																												
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																												
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82																												
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																												
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76																												
8	91	83	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	74																												
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71																												
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69																												

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

	0°
0°	619476
5°	603825
10°	511931
15°	331819
20°	206069
25°	110910
30°	38118
35°	15358
40°	4106
45°	1824
50°	726
55°	321
60°	197
65°	233
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	441.6	27.1
10°-20°	728.4	44.7
20°-30°	377.7	23.2
30°-40°	71.5	4.4
40°-50°	9.0	0.6
50°-60°	1.3	0.1
60°-70°	0.5	0.0
70°-80°	0.0	0.0
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°	1547.7	94.9
0°-40°	1619.2	99.3
0°-60°	1629.6	100.0
0°-90°	1630.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1630.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5042	
5°	4896	442
15°	2609	728
25°	818	378
35°	102	72
45°	10	9
55°	2	1
65°	1	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5042.4
2.5°	5034.1
5°	4896.3
7.5°	4580.2
10°	4103.7
12.5°	3386.4
15°	2608.9
17.5°	1981.1
20°	1576.2
22.5°	1175.0
25°	818.2
27.5°	502.8
30°	268.7
32.5°	181.4
35°	102.4
37.5°	44.4
40°	25.6
42.5°	16.6
45°	10.5
47.5°	6.0
50°	3.8
52.5°	1.5
55°	1.5
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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)