

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: P858806

Luminaire Tested: **LX4C05D010 EU4059035 4LBHYLI**

Issue Date: 7/20/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858806  
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: LX4C05D010 EU4059035 4LBHYLI  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBHYP TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

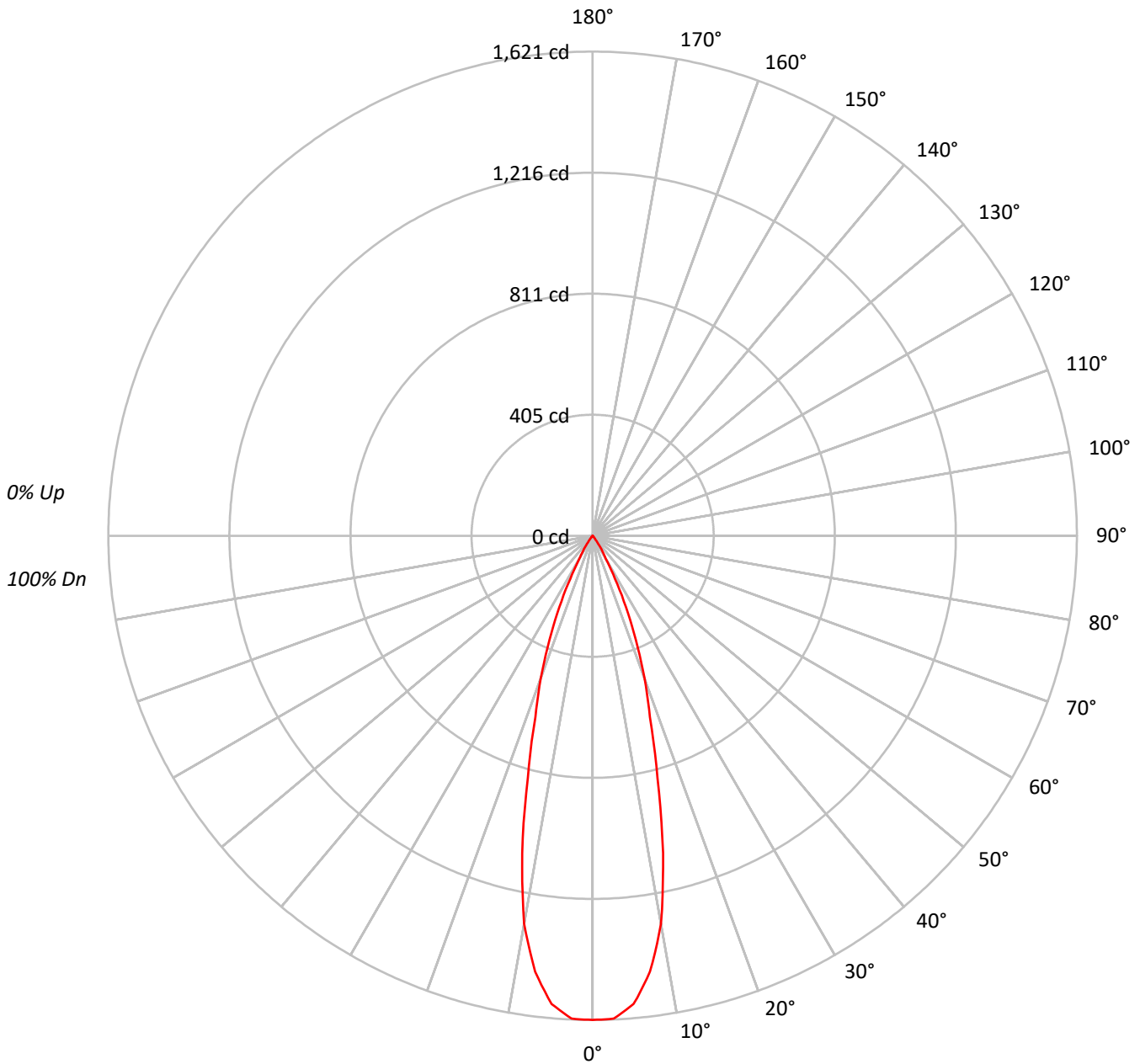
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 523.9 lumens  
Efficiency: N/A  
Efficacy: 72.8 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): 7.2  
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	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	88	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°	199145
5°	194110
10°	164568
15°	106672
20°	66245
25°	35651
30°	12257
35°	4934
40°	1315
45°	591
50°	229
55°	107
60°	49
65°	58
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.0	27.1
10°-20°	234.2	44.7
20°-30°	121.4	23.2
30°-40°	23.0	4.4
40°-50°	2.9	0.6
50°-60°	0.4	0.1
60°-70°	0.1	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°	497.5	95.0
0°-40°	520.5	99.3
0°-60°	523.8	100.0
0°-90°	523.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1621	
5°	1574	142
15°	839	234
25°	263	121
35°	33	23
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1621.0
2.5°	1618.3
5°	1574.0
7.5°	1472.4
10°	1319.2
12.5°	1088.6
15°	838.7
17.5°	636.9
20°	506.7
22.5°	377.7
25°	263.0
27.5°	161.6
30°	86.4
32.5°	58.3
35°	32.9
37.5°	14.3
40°	8.2
42.5°	5.3
45°	3.4
47.5°	1.9
50°	1.2
52.5°	0.5
55°	0.5
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
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)