

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: P858926

Luminaire Tested: **LX4C05D010 EX4C059030 4LBMLI**

Issue Date: 1/26/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858926  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/26/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C05D010 EX4C059030 4LBMLI  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM WITH LI FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver:

**Summary**

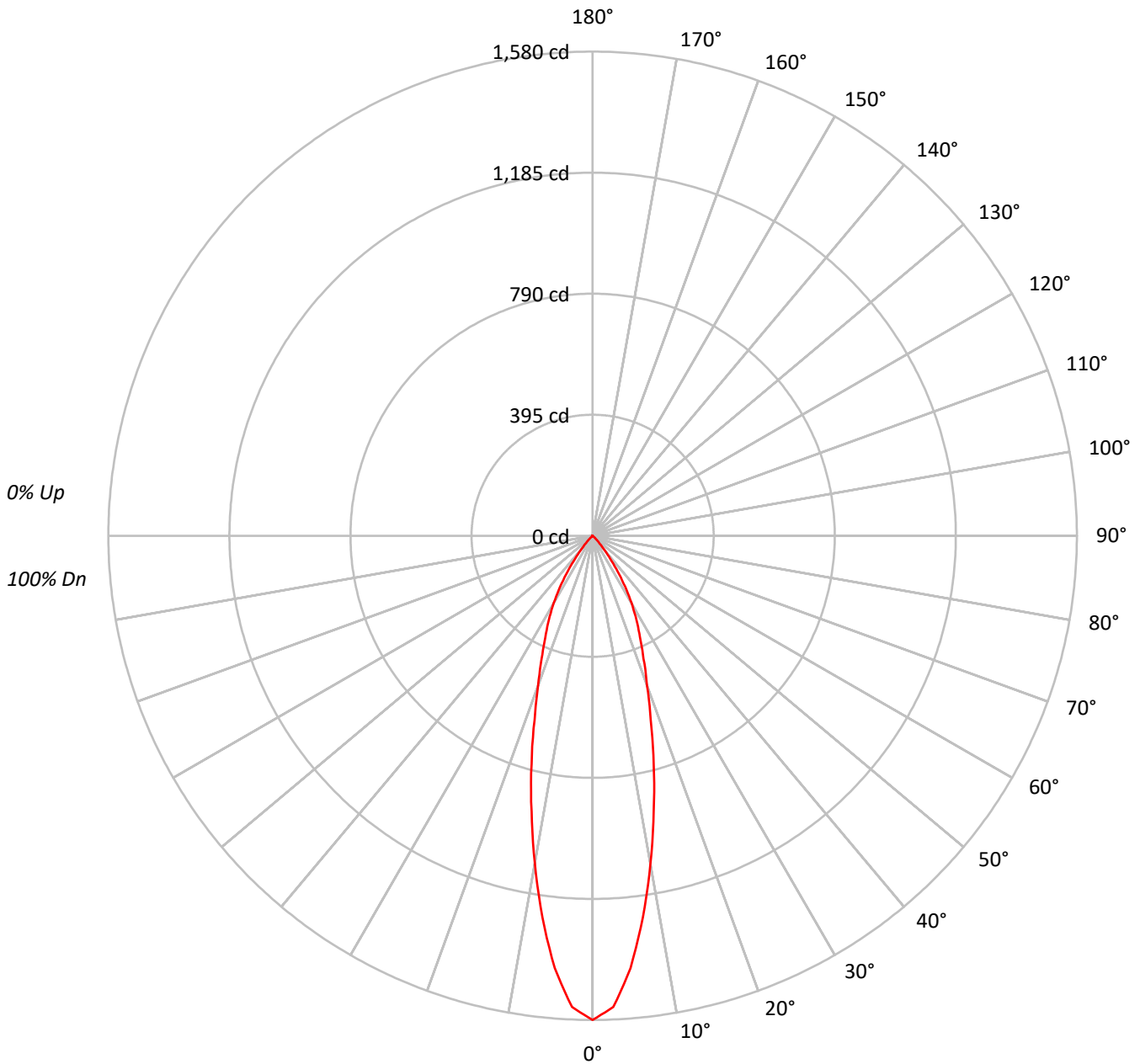
Lumens per Lamp: N/A  
Luminaire Lumens: 613.9 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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																	
RC	80									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	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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																											
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90																											
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85																											
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81																											
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77																											
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73																											
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69																											
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66																											
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63																											
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61																											

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

	0°
0°	194121
5°	174687
10°	135415
15°	98011
20°	67866
25°	49477
30°	35947
35°	21267
40°	8949
45°	2797
50°	363
55°	193
60°	221
65°	262
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.5	20.3
10°-20°	213.2	34.7
20°-30°	169.4	27.6
30°-40°	89.7	14.6
40°-50°	15.5	2.5
50°-60°	1.1	0.2
60°-70°	0.6	0.1
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°	507.1	82.6
0°-40°	596.8	97.2
0°-60°	613.4	99.9
0°-90°	613.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1580	
5°	1416	125
15°	771	213
25°	365	169
35°	142	90
45°	16	15
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1580.1
2.5°	1539.4
5°	1416.5
7.5°	1255.8
10°	1085.5
12.5°	921.0
15°	770.6
17.5°	630.7
20°	519.1
22.5°	434.0
25°	365.0
27.5°	309.2
30°	253.4
32.5°	196.7
35°	141.8
37.5°	93.6
40°	55.8
42.5°	32.2
45°	16.1
47.5°	5.7
50°	1.9
52.5°	1.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
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)