

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: P858825

Luminaire Tested: **LX4C05D010 EX4C059040 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858825  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C05D010 EX4C059040 4LBMDLI  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

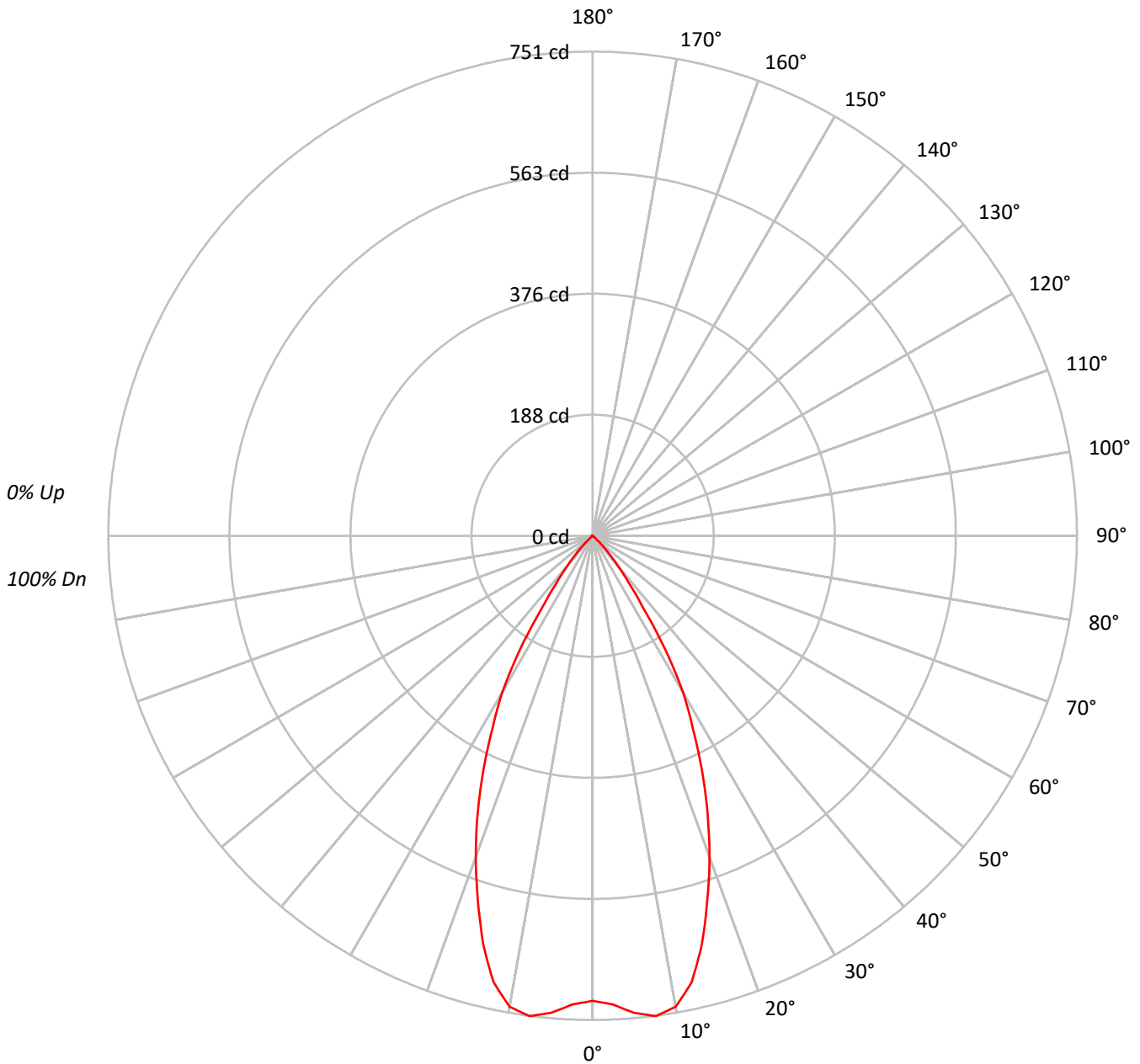
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 549.0 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55			

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

	0°
0°	88590
5°	91604
10°	92539
15°	83359
20°	69265
25°	54344
30°	39777
35°	20547
40°	9767
45°	3440
50°	784
55°	514
60°	344
65°	262
70°	180
75°	142
80°	71
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.9	12.9
10°-20°	180.5	32.9
20°-30°	182.7	33.3
30°-40°	93.1	17.0
40°-50°	18.3	3.3
50°-60°	2.2	0.4
60°-70°	0.9	0.2
70°-80°	0.3	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°	434.1	79.1
0°-40°	527.3	96.0
0°-60°	547.7	99.8
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	721	
5°	743	71
15°	655	181
25°	401	183
35°	137	93
45°	20	18
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	721.1
2.5°	727.7
5°	742.8
7.5°	751.4
10°	741.8
12.5°	709.2
15°	655.4
17.5°	591.9
20°	529.8
22.5°	465.6
25°	400.9
27.5°	336.5
30°	280.4
32.5°	211.3
35°	137.0
37.5°	91.8
40°	60.9
42.5°	38.2
45°	19.8
47.5°	7.1
50°	4.1
52.5°	3.0
55°	2.4
57.5°	1.8
60°	1.4
62.5°	1.2
65°	0.9
67.5°	0.7
70°	0.5
72.5°	0.4
75°	0.3
77.5°	0.3
80°	0.1
82.5°	0.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)