

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: P858781

Luminaire Tested: **LX4C05D010 EX4C059027 4LBMH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C05D010 EX4C059027 4LBMH  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

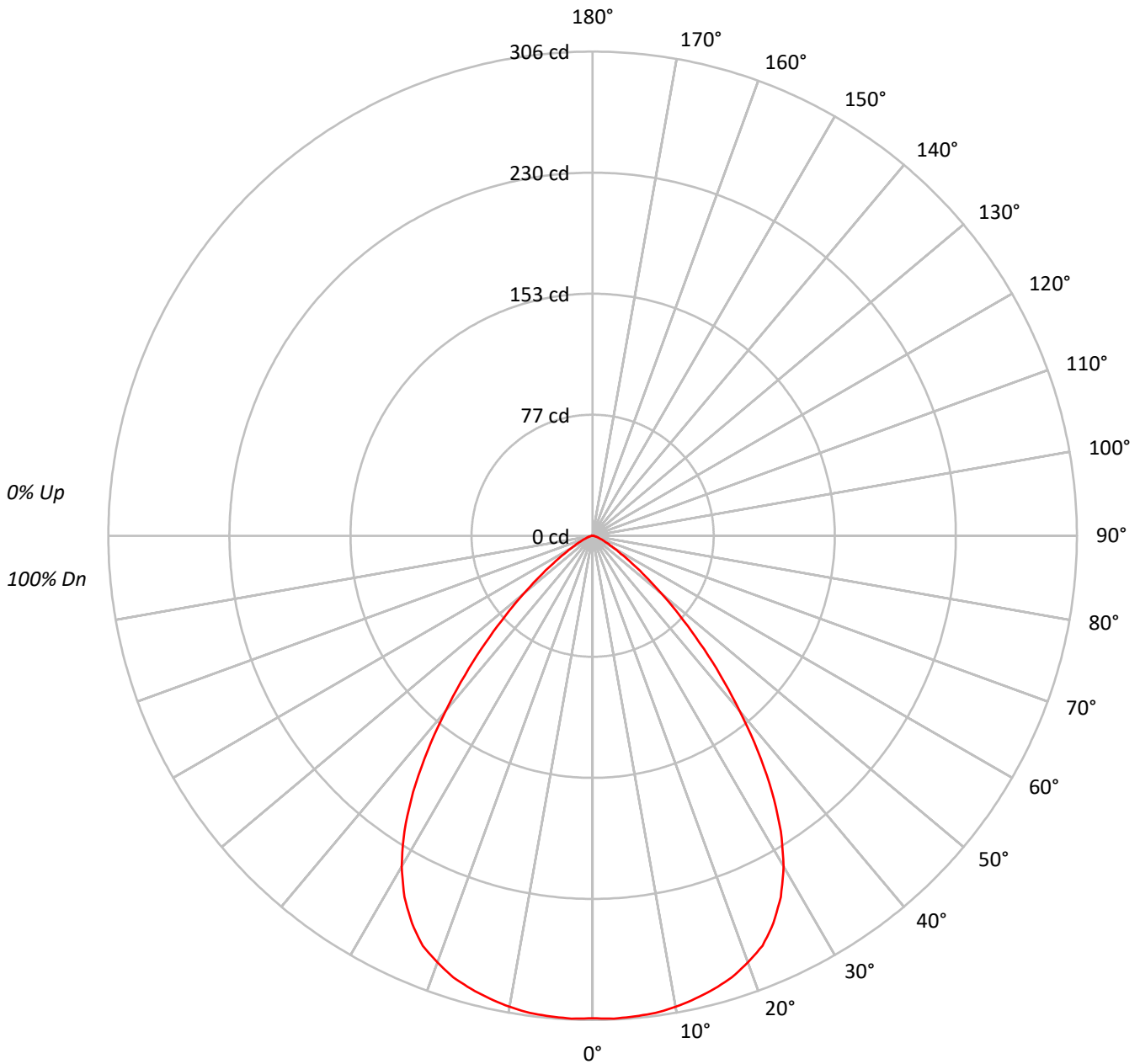
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 473.0 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.13  
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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

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

	0°
0°	37458
5°	37601
10°	37712
15°	37711
20°	37509
25°	36627
30°	34231
35°	29650
40°	23158
45°	16610
50°	10799
55°	6468
60°	3784
65°	2442
70°	1616
75°	1234
80°	920
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.0	6.1
10°-20°	83.7	17.7
20°-30°	123.5	26.1
30°-40°	121.8	25.8
40°-50°	74.5	15.8
50°-60°	28.6	6.0
60°-70°	9.0	1.9
70°-80°	2.6	0.6
80°-90°	0.3	0.1
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°	236.1	49.9
0°-40°	358.0	75.7
0°-60°	461.1	97.5
0°-90°	473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	305	
5°	305	29
15°	296	84
25°	270	123
35°	198	122
45°	96	75
55°	30	29
65°	8	9
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	304.9
2.5°	305.5
5°	304.9
7.5°	304.2
10°	302.3
12.5°	299.7
15°	296.5
17.5°	292.7
20°	286.9
22.5°	280.5
25°	270.2
27.5°	257.4
30°	241.3
32.5°	221.4
35°	197.7
37.5°	171.4
40°	144.4
42.5°	119.4
45°	95.6
47.5°	74.4
50°	56.5
52.5°	41.7
55°	30.2
57.5°	21.2
60°	15.4
62.5°	11.6
65°	8.4
67.5°	6.4
70°	4.5
72.5°	3.2
75°	2.6
77.5°	1.3
80°	1.3
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)