

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: P857211

Luminaire Tested: **LX4C20D010 EX4C209050 4LBMH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P857211  
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: LX4C20D010 EX4C209050 4LBMH  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

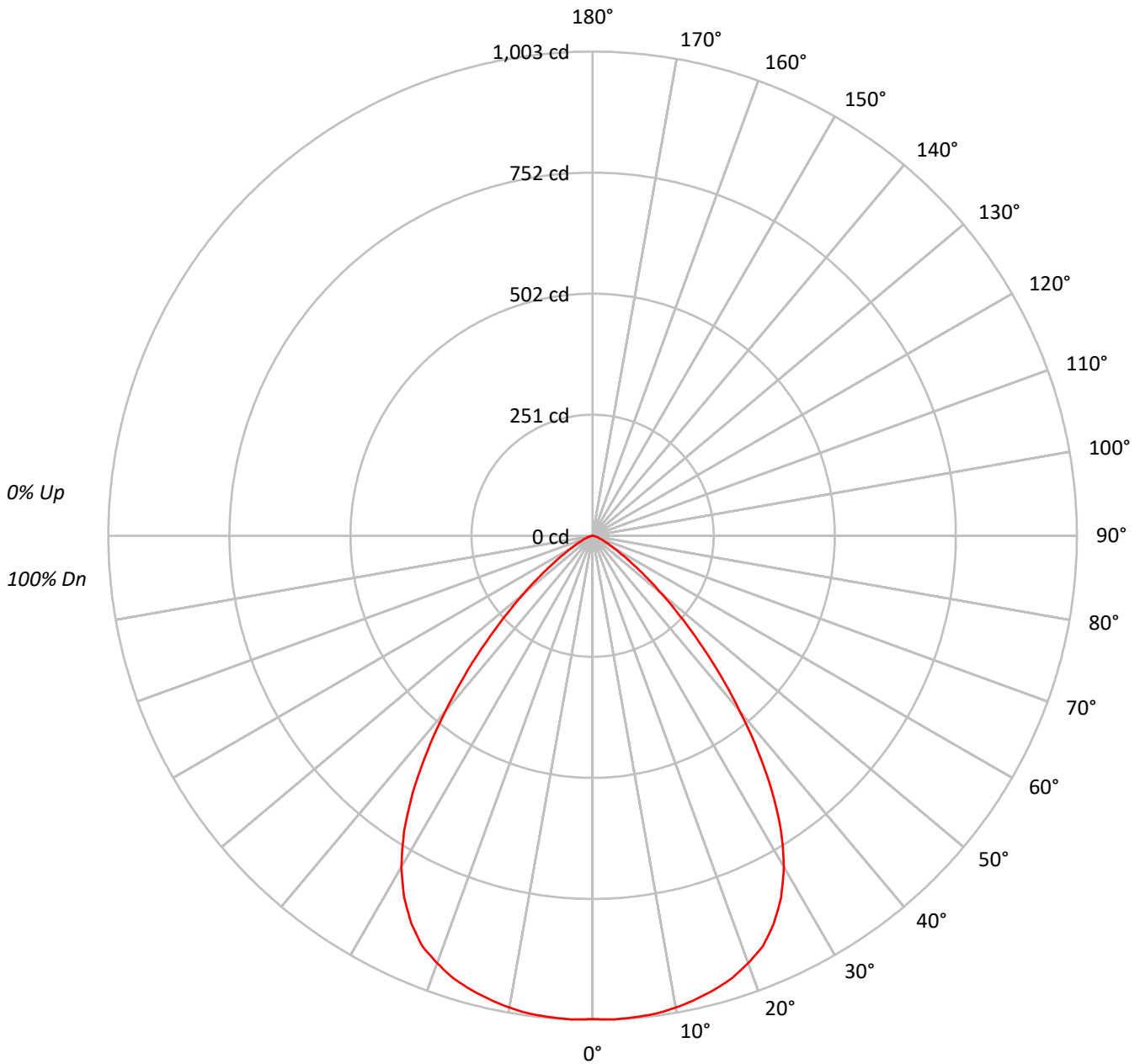
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1552.9 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
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	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	68	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°	122976
5°	123446
10°	123826
15°	123830
20°	123142
25°	120263
30°	112409
35°	97335
40°	76033
45°	54555
50°	35435
55°	21205
60°	12408
65°	7965
70°	5316
75°	3987
80°	2971
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	6.1
10°-20°	274.7	17.7
20°-30°	405.3	26.1
30°-40°	400.0	25.8
40°-50°	244.8	15.8
50°-60°	93.8	6.0
60°-70°	29.3	1.9
70°-80°	8.6	0.6
80°-90°	1.1	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°	775.3	49.9
0°-40°	1175.3	75.7
0°-60°	1513.9	97.5
0°-90°	1552.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1552.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1001	
5°	1001	95
15°	974	275
25°	887	405
35°	649	400
45°	314	245
55°	99	94
65°	27	29
75°	8	9
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1001.0
2.5°	1003.1
5°	1001.0
7.5°	998.9
10°	992.6
12.5°	984.1
15°	973.6
17.5°	960.9
20°	941.9
22.5°	920.9
25°	887.2
27.5°	845.0
30°	792.4
32.5°	727.1
35°	649.0
37.5°	562.6
40°	474.1
42.5°	392.0
45°	314.0
47.5°	244.4
50°	185.4
52.5°	137.0
55°	99.0
57.5°	69.5
60°	50.5
62.5°	38.0
65°	27.4
67.5°	21.1
70°	14.8
72.5°	10.5
75°	8.4
77.5°	4.2
80°	4.2
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)