

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: P859440

Luminaire Tested: **LX4C70D010 EX4C709027 4LBMH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859440  
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: LX4C70D010 EX4C709027 4LBMH  
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

**Summary**

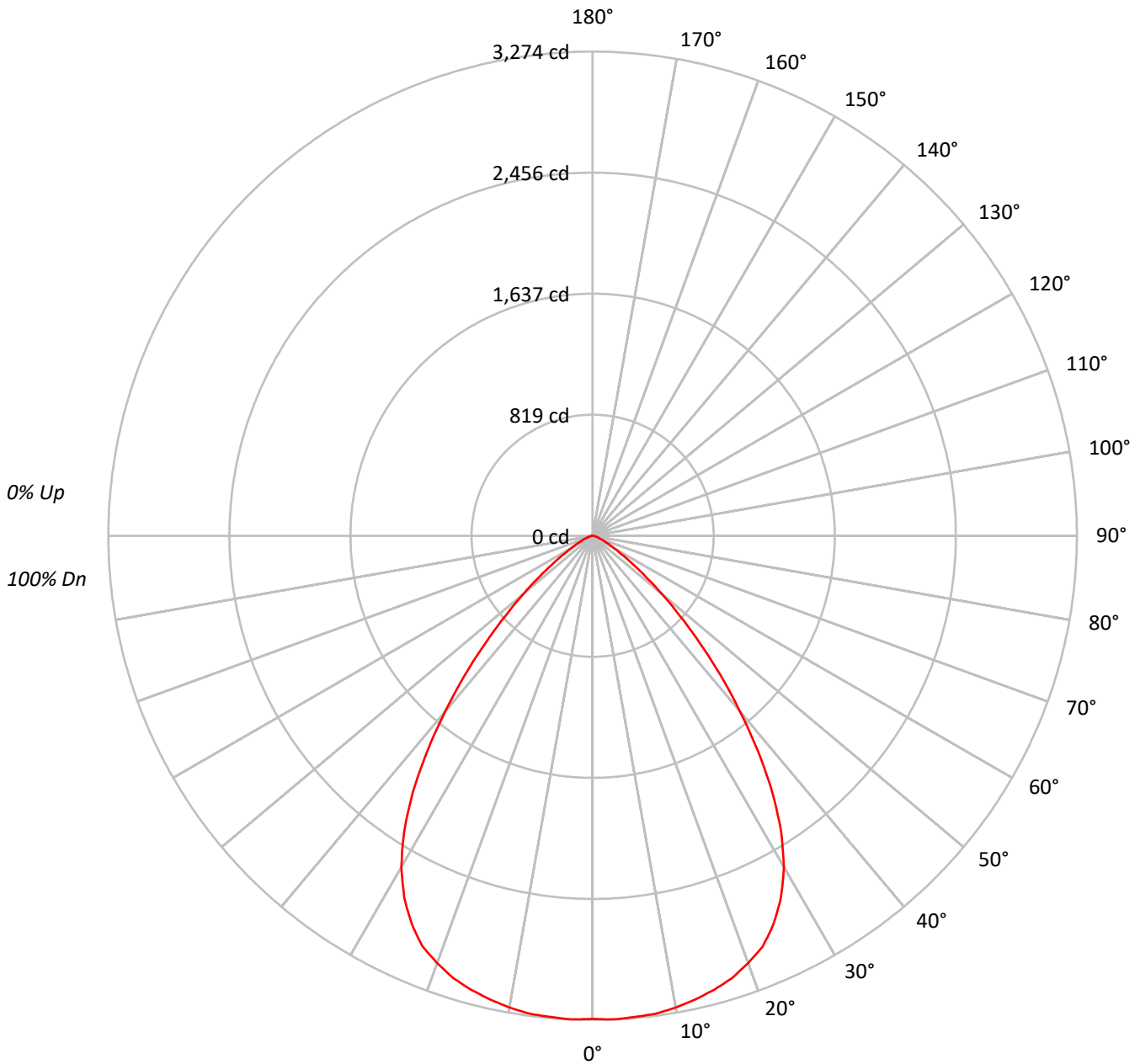
Lumens per Lamp: N/A  
Luminaire Lumens: 5068.0 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 78  
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				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°	401313
5°	402846
10°	404073
15°	404087
20°	401875
25°	392455
30°	366819
35°	317650
40°	248146
45°	178032
50°	115650
55°	69226
60°	40517
65°	26017
70°	17313
75°	13053
80°	9763
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.1	6.1
10°-20°	896.4	17.7
20°-30°	1322.7	26.1
30°-40°	1305.3	25.8
40°-50°	798.8	15.8
50°-60°	306.2	6.0
60°-70°	95.7	1.9
70°-80°	28.1	0.6
80°-90°	3.7	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°	2530.1	49.9
0°-40°	3835.4	75.7
0°-60°	4940.4	97.5
0°-90°	5068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5068.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3267	
5°	3267	311
15°	3177	896
25°	2895	1323
35°	2118	1305
45°	1025	799
55°	323	306
65°	90	96
75°	28	28
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3266.6
2.5°	3273.5
5°	3266.6
7.5°	3259.7
10°	3239.1
12.5°	3211.6
15°	3177.1
17.5°	3135.8
20°	3073.9
22.5°	3005.4
25°	2895.2
27.5°	2757.5
30°	2585.8
32.5°	2372.7
35°	2118.0
37.5°	1836.1
40°	1547.3
42.5°	1279.1
45°	1024.7
47.5°	797.6
50°	605.1
52.5°	447.1
55°	323.2
57.5°	226.8
60°	164.9
62.5°	123.9
65°	89.5
67.5°	68.8
70°	48.2
72.5°	34.4
75°	27.5
77.5°	13.8
80°	13.8
82.5°	6.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)