

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: P857306

Luminaire Tested: **LX4C20D010 EX4C209030 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857306  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209030 4LBMDH  
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

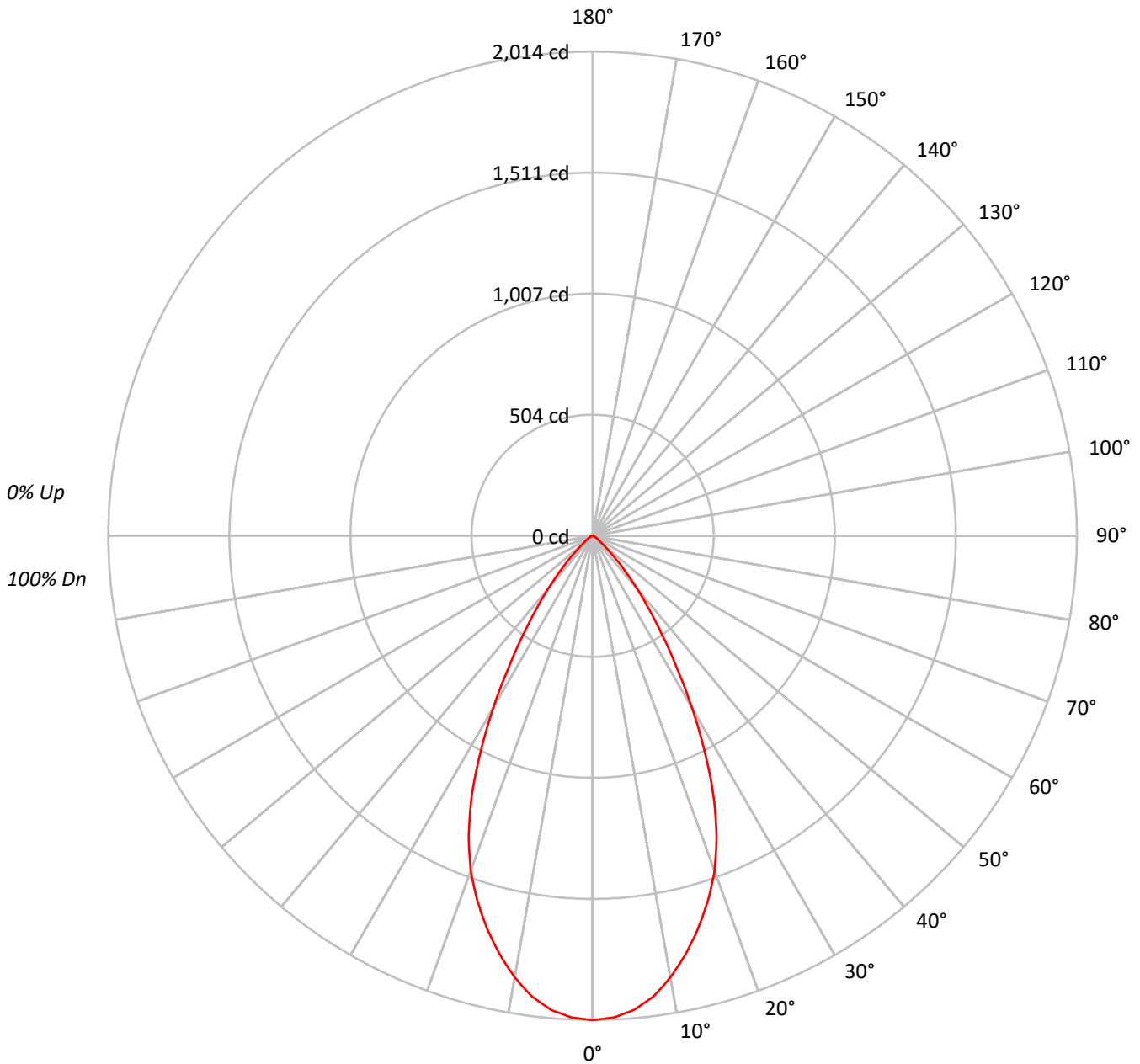
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1672.0 lumens  
Efficiency: N/A  
Efficacy: 51.3 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 32.6  
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									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81																			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75																			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65																			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61																			
8	79	70	64	60	78	69	64	60	68	63	59	67	62	59	66	62	59	57																			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54																			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51																			

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

	0°
0°	247464
5°	244117
10°	232669
15°	215290
20°	193819
25°	161024
30°	117048
35°	75873
40°	45899
45°	23664
50°	10703
55°	6447
60°	4324
65°	3081
70°	2335
75°	1519
80°	990
85°	705



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.3	11.1
10°-20°	472.4	28.3
20°-30°	534.2	31.9
30°-40°	322.8	19.3
40°-50°	113.1	6.8
50°-60°	28.9	1.7
60°-70°	11.1	0.7
70°-80°	3.7	0.2
80°-90°	0.6	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°	1191.8	71.3
0°-40°	1514.6	90.6
0°-60°	1656.6	99.1
0°-90°	1672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1672.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2014	
5°	1980	185
15°	1693	472
25°	1188	534
35°	506	323
45°	136	113
55°	30	29
65°	11	11
75°	3	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2014.3
2.5°	2005.9
5°	1979.5
7.5°	1932.8
10°	1865.1
12.5°	1783.7
15°	1692.7
17.5°	1593.1
20°	1482.5
22.5°	1346.7
25°	1187.9
27.5°	1005.8
30°	825.1
32.5°	652.2
35°	505.9
37.5°	383.6
40°	286.2
42.5°	205.7
45°	136.2
47.5°	83.9
50°	56.0
52.5°	40.4
55°	30.1
57.5°	23.1
60°	17.6
62.5°	13.9
65°	10.6
67.5°	8.3
70°	6.5
72.5°	4.6
75°	3.2
77.5°	2.3
80°	1.4
82.5°	0.9
85°	0.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)