

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: P839254

Luminaire Tested: **LD4C30D010 EU4309030 4LBPSMW**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C30D010 EU4309030 4LBPSMW  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

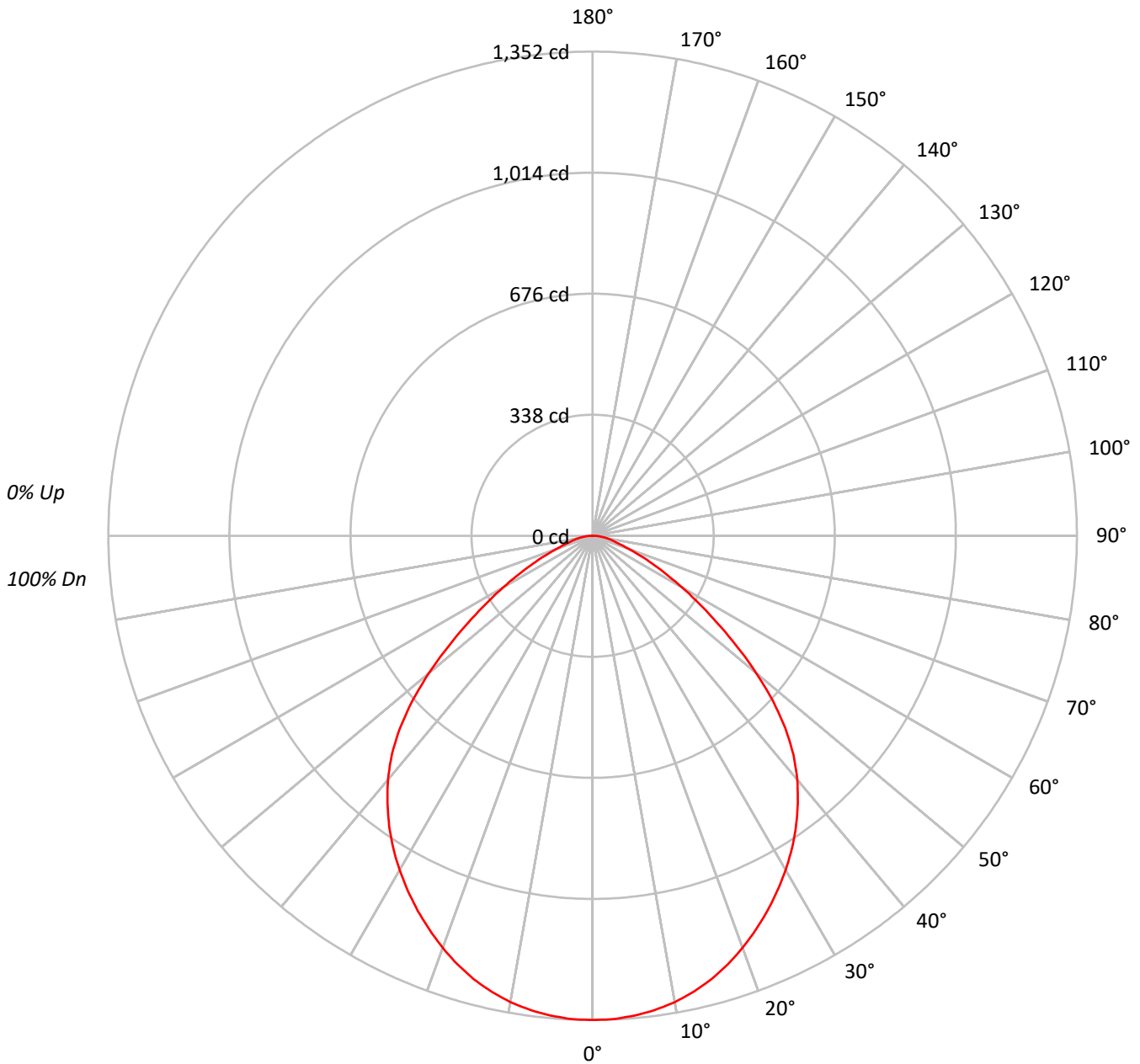
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2883.1 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.6  
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				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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

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

	0°
0°	166110
5°	165844
10°	164930
15°	163029
20°	160062
25°	156605
30°	152867
35°	148507
40°	142540
45°	132217
50°	113911
55°	90859
60°	70739
65°	52965
70°	38434
75°	30474
80°	28512
85°	28474



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.7	4.4
10°-20°	361.0	12.5
20°-30°	532.0	18.5
30°-40°	618.0	21.4
40°-50°	580.9	20.1
50°-60°	384.5	13.3
60°-70°	185.3	6.4
70°-80°	71.5	2.5
80°-90°	22.3	0.8
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°	1020.6	35.4
0°-40°	1638.6	56.8
0°-60°	2604.0	90.3
0°-90°	2883.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2883.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1352	
5°	1345	128
15°	1282	361
25°	1155	532
35°	990	618
45°	761	581
55°	424	385
65°	182	185
75°	64	71
85°	20	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1352.1
2.5°	1350.9
5°	1344.8
7.5°	1335.6
10°	1322.1
12.5°	1303.8
15°	1281.8
17.5°	1254.9
20°	1224.3
22.5°	1190.7
25°	1155.3
27.5°	1117.4
30°	1077.6
32.5°	1035.5
35°	990.2
37.5°	940.7
40°	888.8
42.5°	830.1
45°	761.0
47.5°	682.8
50°	596.0
52.5°	508.0
55°	424.2
57.5°	352.1
60°	287.9
62.5°	230.4
65°	182.2
67.5°	141.2
70°	107.0
72.5°	81.3
75°	64.2
77.5°	52.0
80°	40.3
82.5°	30.0
85°	20.2
87.5°	11.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)