

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: P840354

Luminaire Tested: **LDS4C30D010 EU4309040 4LBPSSQMB**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P840354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C30D010 EU4309040 4LBPSSQMB  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

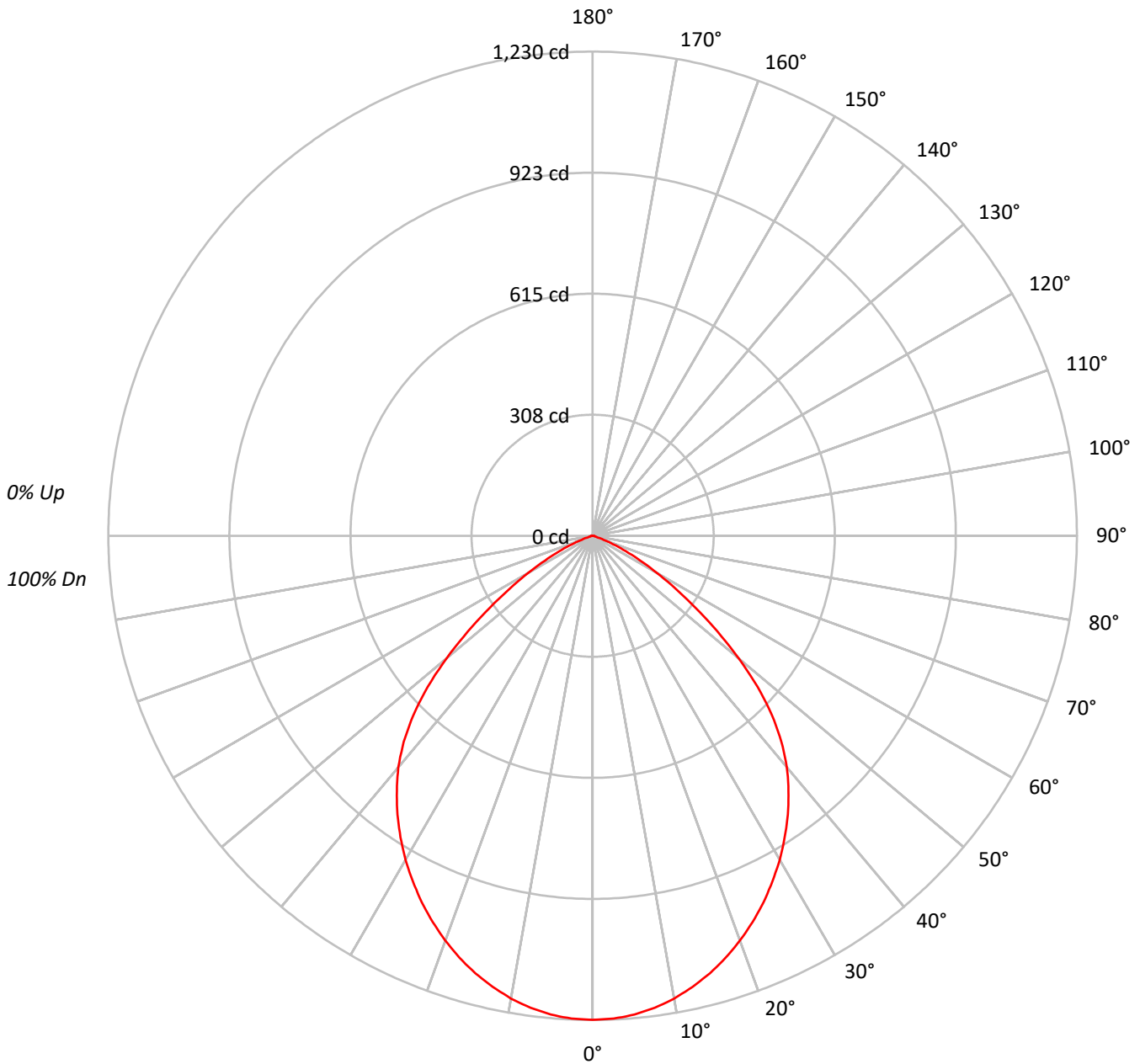
Lumens per Lamp: N/A  
Luminaire Lumens: 2342.0 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

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

	0°
0°	118652
5°	118253
10°	116956
15°	114936
20°	112364
25°	109360
30°	105912
35°	101842
40°	96697
45°	87919
50°	72578
55°	53445
60°	36280
65°	21233
70°	8379
75°	1901
80°	2445
85°	4207



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.7	4.9
10°-20°	324.0	13.8
20°-30°	472.6	20.2
30°-40°	539.4	23.0
40°-50°	490.4	20.9
50°-60°	289.2	12.3
60°-70°	97.0	4.1
70°-80°	10.1	0.4
80°-90°	3.5	0.2
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°	912.2	39.0
0°-40°	1451.7	62.0
0°-60°	2231.3	95.3
0°-90°	2342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2342.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1230	
5°	1221	116
15°	1151	324
25°	1027	473
35°	865	539
45°	644	490
55°	318	289
65°	93	97
75°	5	10
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1229.7
2.5°	1227.8
5°	1220.9
7.5°	1209.5
10°	1193.7
12.5°	1173.4
15°	1150.6
17.5°	1124.0
20°	1094.3
22.5°	1062.0
25°	1027.2
27.5°	989.2
30°	950.6
32.5°	908.2
35°	864.6
37.5°	817.1
40°	767.7
42.5°	710.1
45°	644.3
47.5°	568.4
50°	483.5
52.5°	398.7
55°	317.7
57.5°	248.7
60°	188.0
62.5°	136.1
65°	93.0
67.5°	57.0
70°	29.7
72.5°	11.4
75°	5.1
77.5°	5.1
80°	4.4
82.5°	3.8
85°	3.8
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)