

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: P840355

Luminaire Tested: **LDS4C30D010 EU4309040 4LPSSQMMS**

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: P840355  
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 4LBPSSQMMS  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

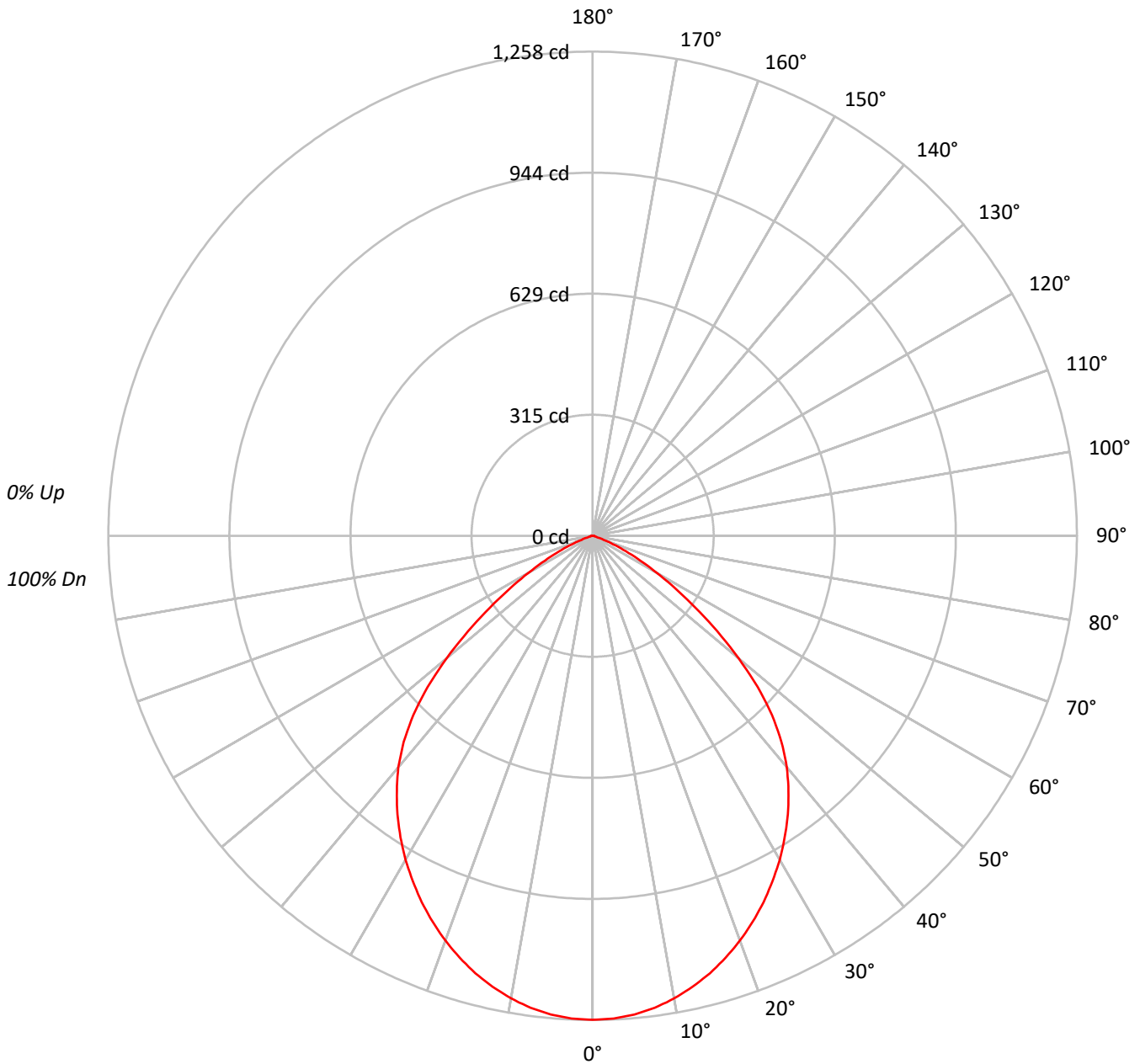
Lumens per Lamp: N/A  
Luminaire Lumens: 2395.1 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P840355

CATALOG NUMBER: LDS4C30D010 EU4309040 4LBPSSQMMS

### Luminous Intensity Polar Plot





TEST NUMBER: P840355

CATALOG NUMBER: LDS4C30D010 EU4309040 4LBPSSQMMS

**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			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

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

	0°
0°	121344
5°	120927
10°	119601
15°	117544
20°	114911
25°	111840
30°	108307
35°	104139
40°	98889
45°	89911
50°	74229
55°	54656
60°	37090
65°	21712
70°	8576
75°	1939
80°	2500
85°	4318



TEST NUMBER: P840355

CATALOG NUMBER: LDS4C30D010 EU4309040 4LBPSSQMMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.3	4.9
10°-20°	331.3	13.8
20°-30°	483.3	20.2
30°-40°	551.6	23.0
40°-50°	501.5	20.9
50°-60°	295.8	12.4
60°-70°	99.2	4.1
70°-80°	10.4	0.4
80°-90°	3.6	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°	932.9	39.0
0°-40°	1484.6	62.0
0°-60°	2281.9	95.3
0°-90°	2395.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2395.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1258	
5°	1248	118
15°	1177	331
25°	1050	483
35°	884	552
45°	659	502
55°	325	296
65°	95	99
75°	5	10
85°	4	4
90°	0	



TEST NUMBER: P840355

CATALOG NUMBER: LDS4C30D010 EU4309040 4LBPSSQMMS

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1257.6
2.5°	1255.6
5°	1248.5
7.5°	1236.9
10°	1220.7
12.5°	1200.0
15°	1176.7
17.5°	1149.5
20°	1119.1
22.5°	1086.1
25°	1050.5
27.5°	1011.6
30°	972.1
32.5°	928.8
35°	884.1
37.5°	835.6
40°	785.1
42.5°	726.2
45°	658.9
47.5°	581.2
50°	494.5
52.5°	407.8
55°	324.9
57.5°	254.4
60°	192.2
62.5°	139.2
65°	95.1
67.5°	58.3
70°	30.4
72.5°	11.7
75°	5.2
77.5°	5.2
80°	4.5
82.5°	3.9
85°	3.9
87.5°	3.2
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)