

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: P840451

Luminaire Tested: **LDS4C80D010 EU4809030 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: P840451
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: LDS4C80D010 EU4809030 4LBPSSQMMS
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

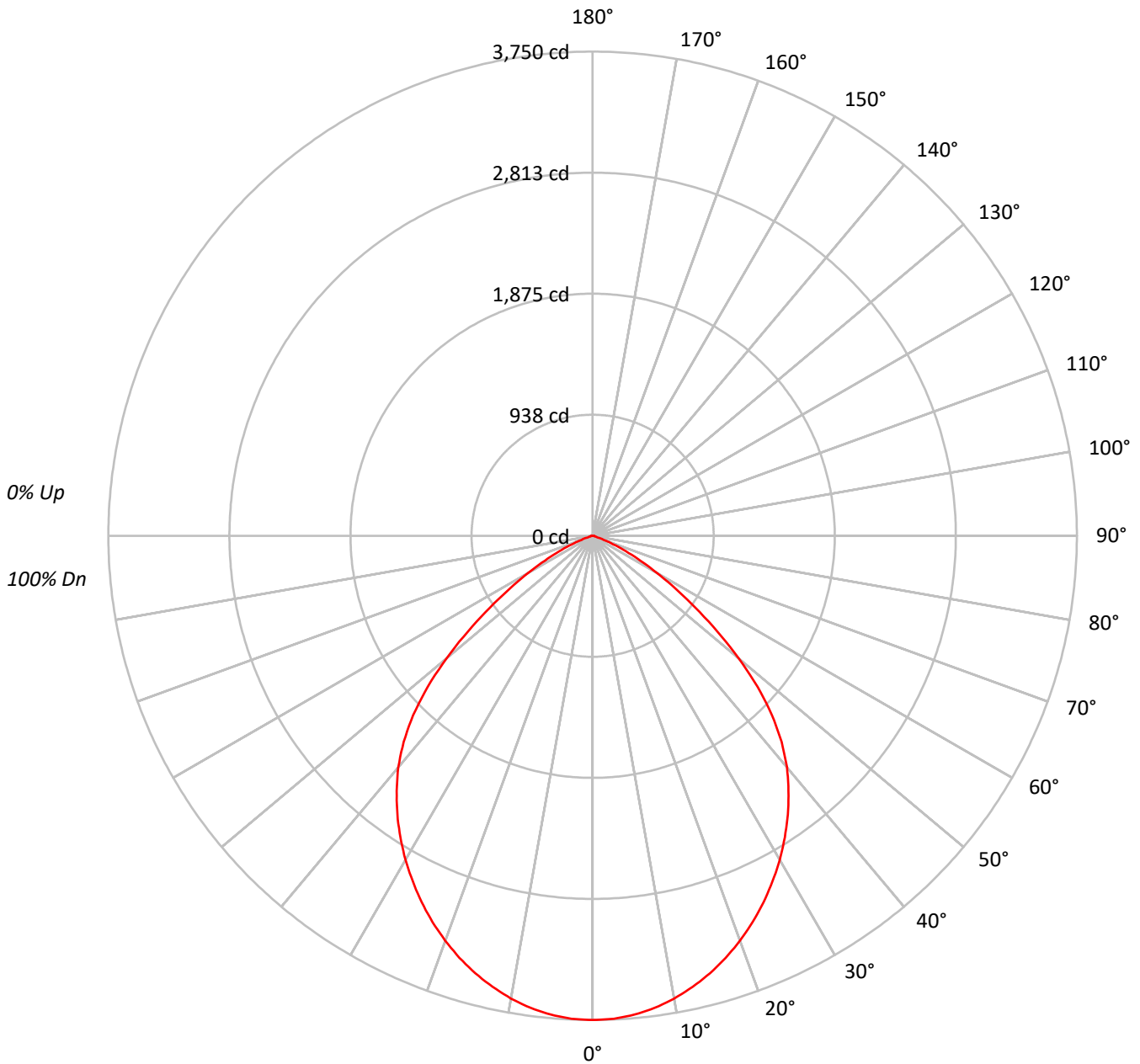
Lumens per Lamp: N/A
Luminaire Lumens: 7142.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
Input Voltage (V):
Input Current (A_{in}): 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: P840451

CATALOG NUMBER: LDS4C80D010 EU4809030 4LBPSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P840451

CATALOG NUMBER: LDS4C80D010 EU4809030 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			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°	361843
5°	360610
10°	356647
15°	350513
20°	342658
25°	333498
30°	322994
35°	310556
40°	294891
45°	268109
50°	221352
55°	162992
60°	110615
65°	64772
70°	25588
75°	5741
80°	7501
85°	12842



TEST NUMBER: P840451

CATALOG NUMBER: LDS4C80D010 EU4809030 4LBPSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.8	4.9
10°-20°	988.0	13.8
20°-30°	1441.2	20.2
30°-40°	1645.0	23.0
40°-50°	1495.5	20.9
50°-60°	882.0	12.3
60°-70°	295.8	4.1
70°-80°	30.9	0.4
80°-90°	10.8	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°	2782.0	39.0
0°-40°	4427.0	62.0
0°-60°	6804.5	95.3
0°-90°	7142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7142.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3750	
5°	3723	353
15°	3509	988
25°	3132	1441
35°	2636	1645
45°	1965	1495
55°	969	882
65°	284	296
75°	15	31
85°	12	11
90°	0	



TEST NUMBER: P840451

CATALOG NUMBER: LDS4C80D010 EU4809030 4LBPSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	3750.1
2.5°	3744.3
5°	3723.1
7.5°	3688.4
10°	3640.1
12.5°	3578.4
15°	3508.9
17.5°	3427.8
20°	3337.1
22.5°	3238.7
25°	3132.5
27.5°	3016.7
30°	2899.0
32.5°	2769.7
35°	2636.5
37.5°	2491.7
40°	2341.2
42.5°	2165.5
45°	1964.8
47.5°	1733.2
50°	1474.6
52.5°	1215.9
55°	968.9
57.5°	758.5
60°	573.2
62.5°	415.0
65°	283.7
67.5°	173.7
70°	90.7
72.5°	34.7
75°	15.4
77.5°	15.4
80°	13.5
82.5°	11.6
85°	11.6
87.5°	9.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)