

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: P840408

Luminaire Tested: **LDS4C60D010 EU4609027 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: P840408
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: LDS4C60D010 EU4609027 4LBPSSQMB
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

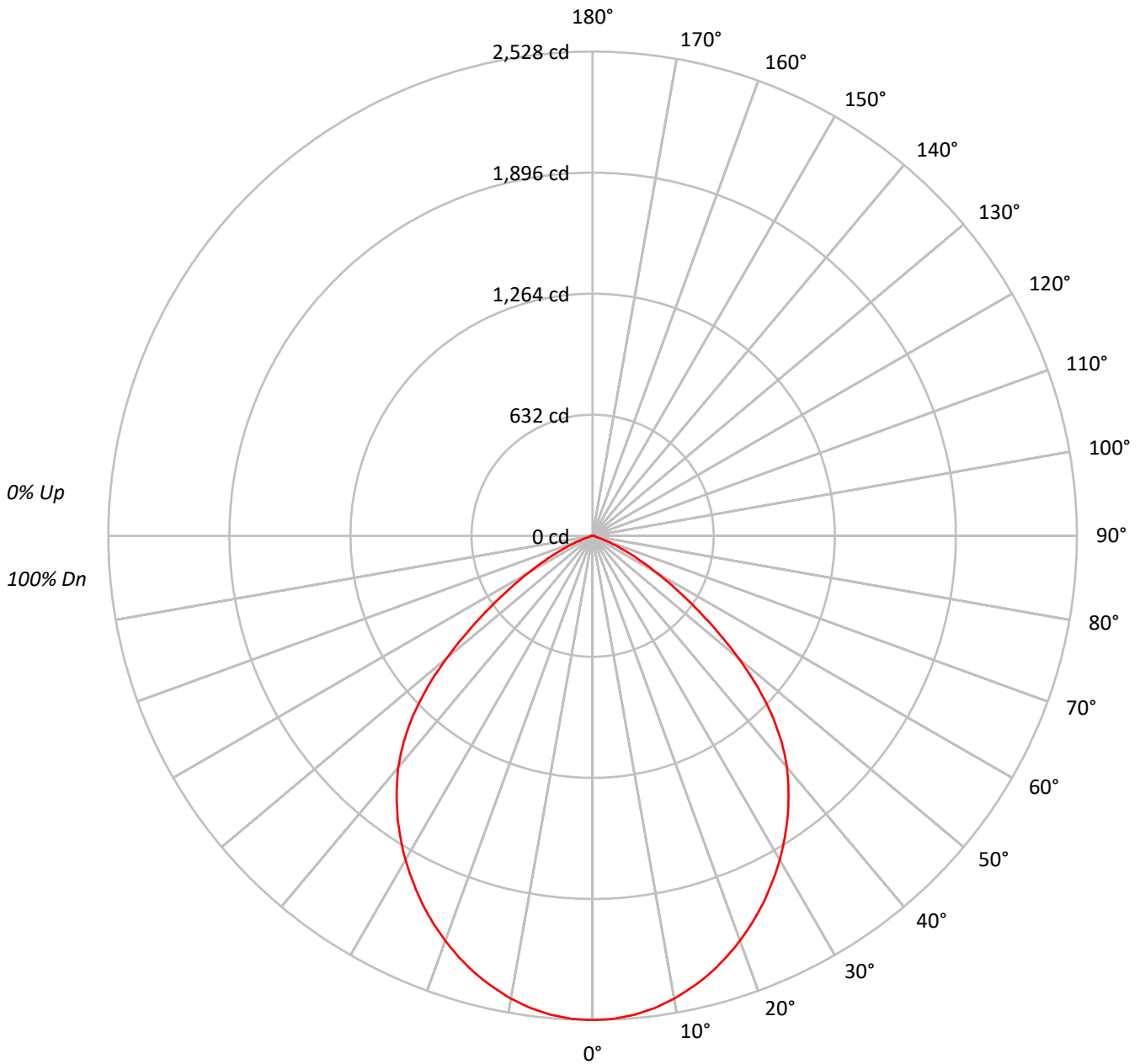
Lumens per Lamp: N/A
Luminaire Lumens: 4815.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243953
5°	243122
10°	240446
15°	236306
20°	231012
25°	224841
30°	217751
35°	209374
40°	198811
45°	180749
50°	149224
55°	109883
60°	74586
65°	43676
70°	17265
75°	3877
80°	5056
85°	8635



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	4.9
10°-20°	666.1	13.8
20°-30°	971.6	20.2
30°-40°	1109.0	23.0
40°-50°	1008.2	20.9
50°-60°	594.7	12.4
60°-70°	199.5	4.1
70°-80°	20.8	0.4
80°-90°	7.3	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°	1875.5	39.0
0°-40°	2984.6	62.0
0°-60°	4587.5	95.3
0°-90°	4815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4815.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2528	
5°	2510	238
15°	2366	666
25°	2112	972
35°	1778	1109
45°	1325	1008
55°	653	595
65°	191	199
75°	10	21
85°	8	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2528.3
2.5°	2524.4
5°	2510.1
7.5°	2486.6
10°	2454.1
12.5°	2412.5
15°	2365.6
17.5°	2311.0
20°	2249.8
22.5°	2183.4
25°	2111.9
27.5°	2033.8
30°	1954.4
32.5°	1867.2
35°	1777.5
37.5°	1679.9
40°	1578.4
42.5°	1460.0
45°	1324.6
47.5°	1168.5
50°	994.1
52.5°	819.8
55°	653.2
57.5°	511.4
60°	386.5
62.5°	279.8
65°	191.3
67.5°	117.1
70°	61.2
72.5°	23.4
75°	10.4
77.5°	10.4
80°	9.1
82.5°	7.8
85°	7.8
87.5°	6.5
90°	0.0



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— 0°-180°







(END OF REPORT)