

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: P840415

Luminaire Tested: **LDS4C60D010 EU4609040 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: P840415
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 EU4609040 4LBPSSQMMS
Description: 4 INCH 6000 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

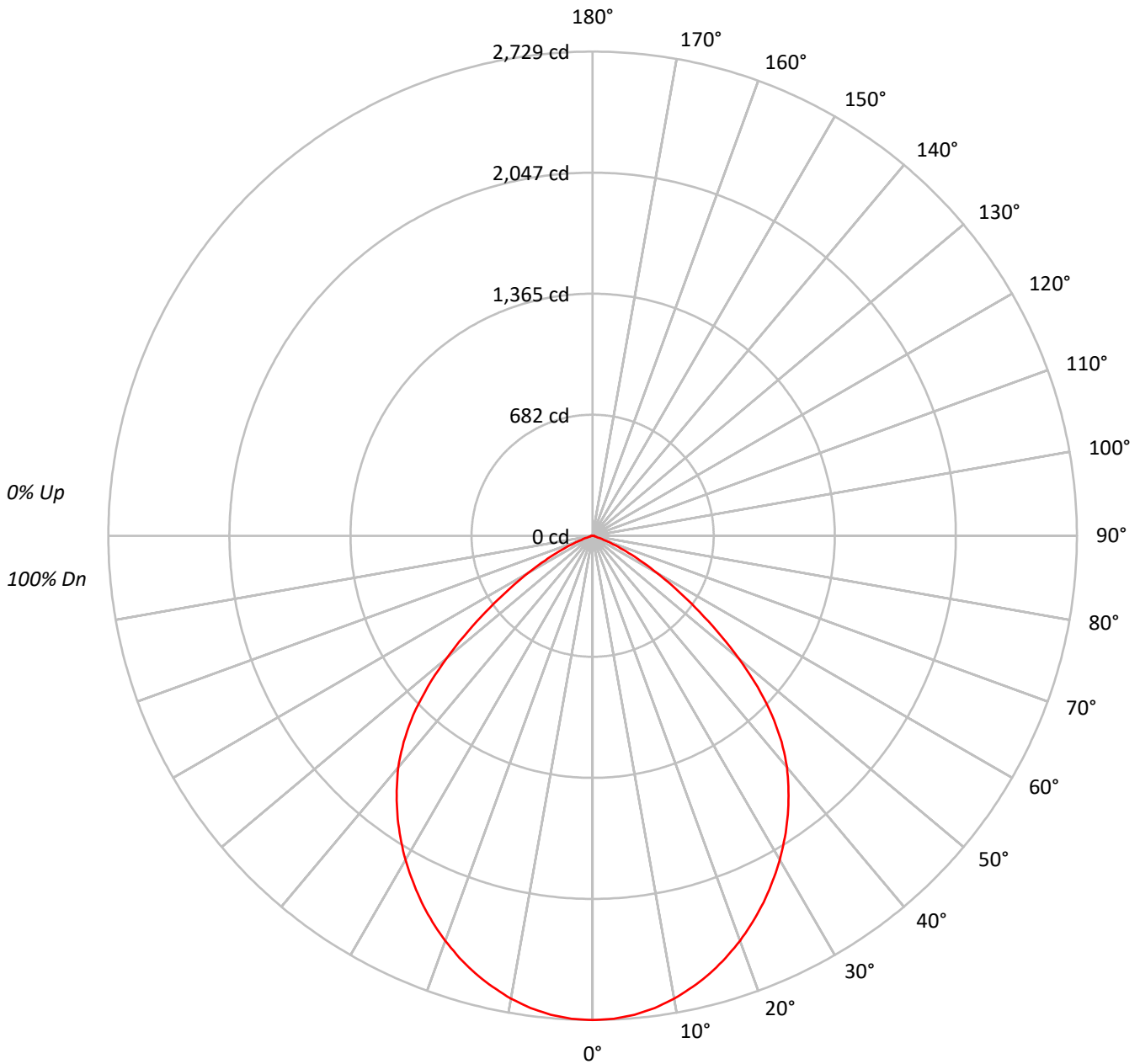
Lumens per Lamp: N/A
Luminaire Lumens: 5198.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
Input Voltage (V):
Input Current (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

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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°	263357
5°	262455
10°	259572
15°	255106
20°	249392
25°	242727
30°	235076
35°	226018
40°	214619
45°	195132
50°	161098
55°	118631
60°	80510
65°	47146
70°	18620
75°	4175
80°	5445
85°	9300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.7	4.9
10°-20°	719.1	13.8
20°-30°	1048.9	20.2
30°-40°	1197.3	23.0
40°-50°	1088.4	20.9
50°-60°	642.0	12.4
60°-70°	215.3	4.1
70°-80°	22.5	0.4
80°-90°	7.8	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°	2024.7	39.0
0°-40°	3222.0	62.0
0°-60°	4952.4	95.3
0°-90°	5198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5198.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2729	
5°	2710	257
15°	2554	719
25°	2280	1049
35°	1919	1197
45°	1430	1088
55°	705	642
65°	206	215
75°	11	22
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2729.4
2.5°	2725.2
5°	2709.7
7.5°	2684.4
10°	2649.3
12.5°	2604.4
15°	2553.8
17.5°	2494.8
20°	2428.8
22.5°	2357.1
25°	2279.9
27.5°	2195.6
30°	2109.9
32.5°	2015.8
35°	1918.8
37.5°	1813.5
40°	1703.9
42.5°	1576.1
45°	1430.0
47.5°	1261.4
50°	1073.2
52.5°	885.0
55°	705.2
57.5°	552.1
60°	417.2
62.5°	302.0
65°	206.5
67.5°	126.4
70°	66.0
72.5°	25.3
75°	11.2
77.5°	11.2
80°	9.8
82.5°	8.4
85°	8.4
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)