

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: P840424

Luminaire Tested: **LDS4C65D010 EU4659040 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: P840424
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: LDS4C65D010 EU4659040 4LBPSSQMB
Description: 4 INCH 6500 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

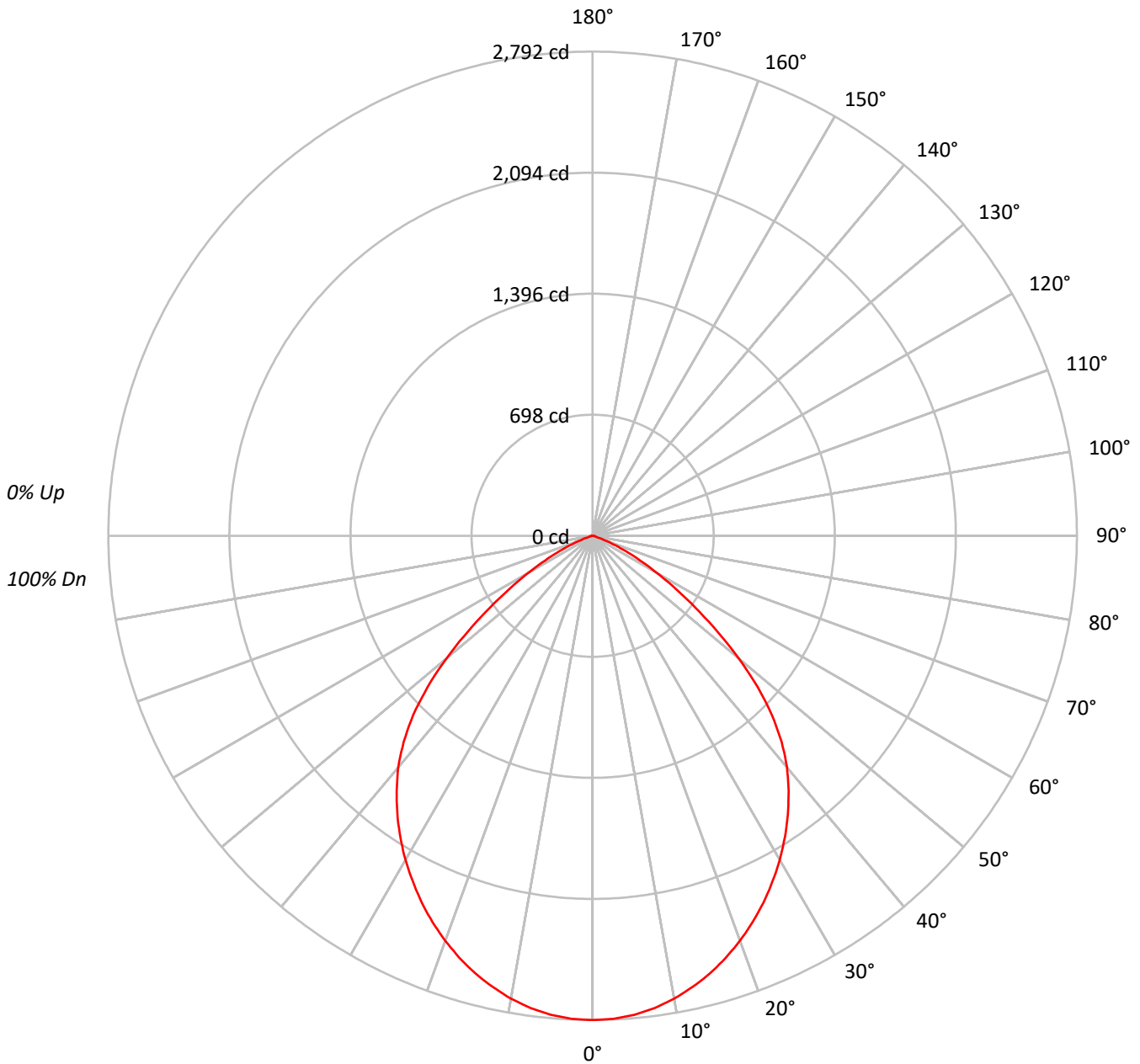
Lumens per Lamp: N/A
Luminaire Lumens: 5318.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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
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°	269436
5°	268518
10°	265568
15°	260990
20°	255143
25°	248327
30°	240502
35°	231236
40°	219581
45°	199635
50°	164821
55°	121356
60°	82363
65°	48242
70°	19043
75°	4287
80°	5612
85°	9521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.7	4.9
10°-20°	735.7	13.8
20°-30°	1073.1	20.2
30°-40°	1224.9	23.0
40°-50°	1113.6	20.9
50°-60°	656.8	12.3
60°-70°	220.3	4.1
70°-80°	23.0	0.4
80°-90°	8.0	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°	2071.5	39.0
0°-40°	3296.4	62.0
0°-60°	5066.7	95.3
0°-90°	5318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5318.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2792	
5°	2772	263
15°	2613	736
25°	2332	1073
35°	1963	1225
45°	1463	1114
55°	721	657
65°	211	220
75°	12	23
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2792.4
2.5°	2788.1
5°	2772.3
7.5°	2746.4
10°	2710.5
12.5°	2664.5
15°	2612.7
17.5°	2552.4
20°	2484.8
22.5°	2411.5
25°	2332.5
27.5°	2246.3
30°	2158.6
32.5°	2062.3
35°	1963.1
37.5°	1855.4
40°	1743.3
42.5°	1612.5
45°	1463.0
47.5°	1290.6
50°	1098.0
52.5°	905.4
55°	721.4
57.5°	564.8
60°	426.8
62.5°	309.0
65°	211.3
67.5°	129.3
70°	67.5
72.5°	25.9
75°	11.5
77.5°	11.5
80°	10.1
82.5°	8.6
85°	8.6
87.5°	7.2
90°	0.0



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— 0°-180°







(END OF REPORT)