

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: P840420

Luminaire Tested: **LDS4C65D010 EU4659030 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: P840420
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 EU4659030 4LBPSSQMB
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

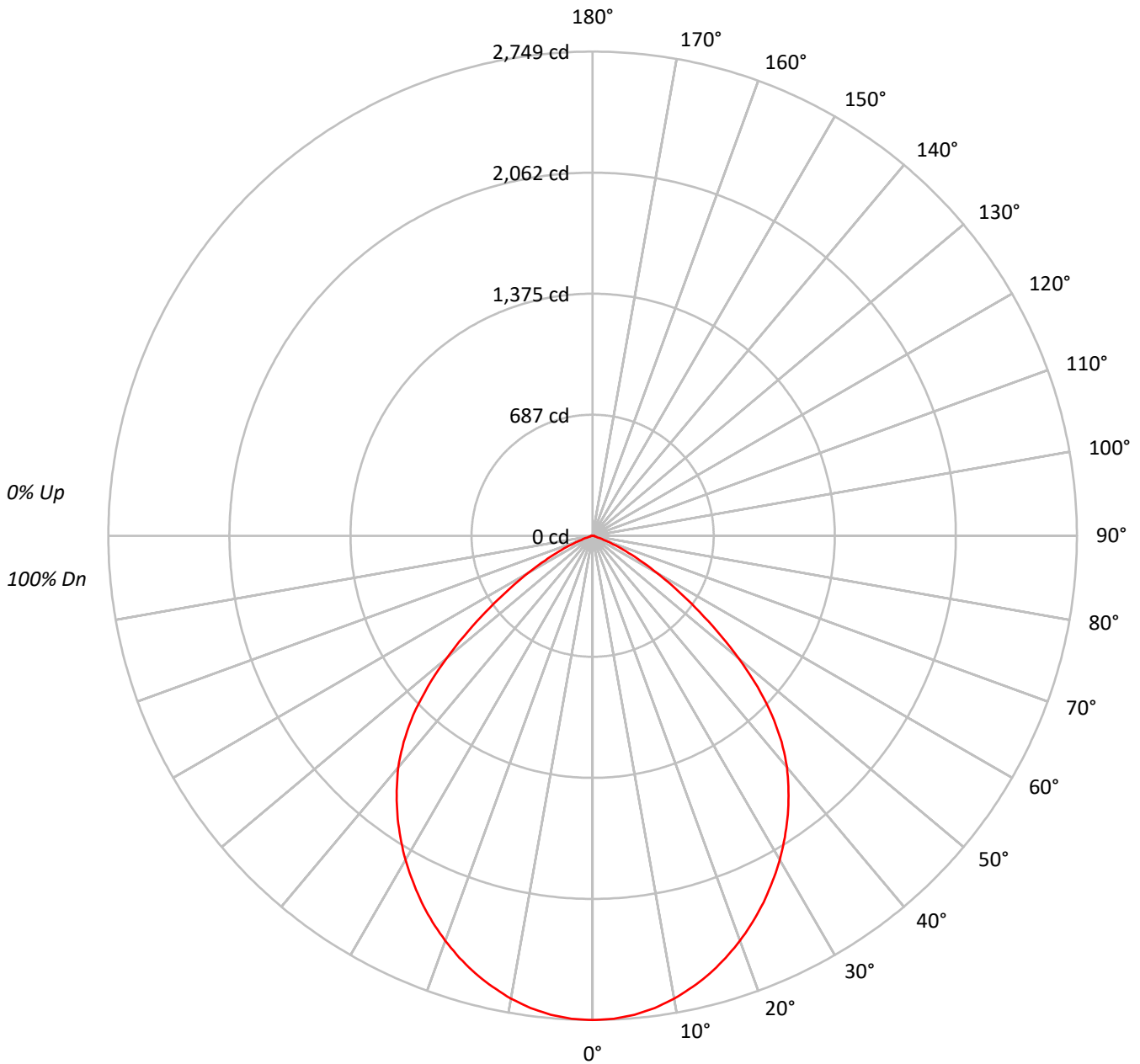
Lumens per Lamp: N/A
Luminaire Lumens: 5236.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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									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	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°	265277
5°	264372
10°	261472
15°	256974
20°	251210
25°	244494
30°	236792
35°	227679
40°	216193
45°	196565
50°	162284
55°	119489
60°	81109
65°	47489
70°	18761
75°	4213
80°	5501
85°	9410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	4.9
10°-20°	724.4	13.8
20°-30°	1056.6	20.2
30°-40°	1206.0	23.0
40°-50°	1096.4	20.9
50°-60°	646.6	12.3
60°-70°	216.9	4.1
70°-80°	22.6	0.4
80°-90°	7.9	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°	2039.5	39.0
0°-40°	3245.5	62.0
0°-60°	4988.6	95.3
0°-90°	5236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5236.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2749	
5°	2730	259
15°	2572	724
25°	2296	1057
35°	1933	1206
45°	1440	1096
55°	710	647
65°	208	217
75°	11	23
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2749.3
2.5°	2745.1
5°	2729.5
7.5°	2704.0
10°	2668.7
12.5°	2623.4
15°	2572.5
17.5°	2513.0
20°	2446.5
22.5°	2374.4
25°	2296.5
27.5°	2211.6
30°	2125.3
32.5°	2030.5
35°	1932.9
37.5°	1826.8
40°	1716.4
42.5°	1587.6
45°	1440.5
47.5°	1270.7
50°	1081.1
52.5°	891.4
55°	710.3
57.5°	556.1
60°	420.3
62.5°	304.2
65°	208.0
67.5°	127.3
70°	66.5
72.5°	25.5
75°	11.3
77.5°	11.3
80°	9.9
82.5°	8.5
85°	8.5
87.5°	7.1
90°	0.0



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— 0°-180°







(END OF REPORT)