

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: P840419

Luminaire Tested: **LDS4C65D010 EU4659027 4LBPSSQMMS**

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: P840419
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 EU4659027 4LBSSQMMMS
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

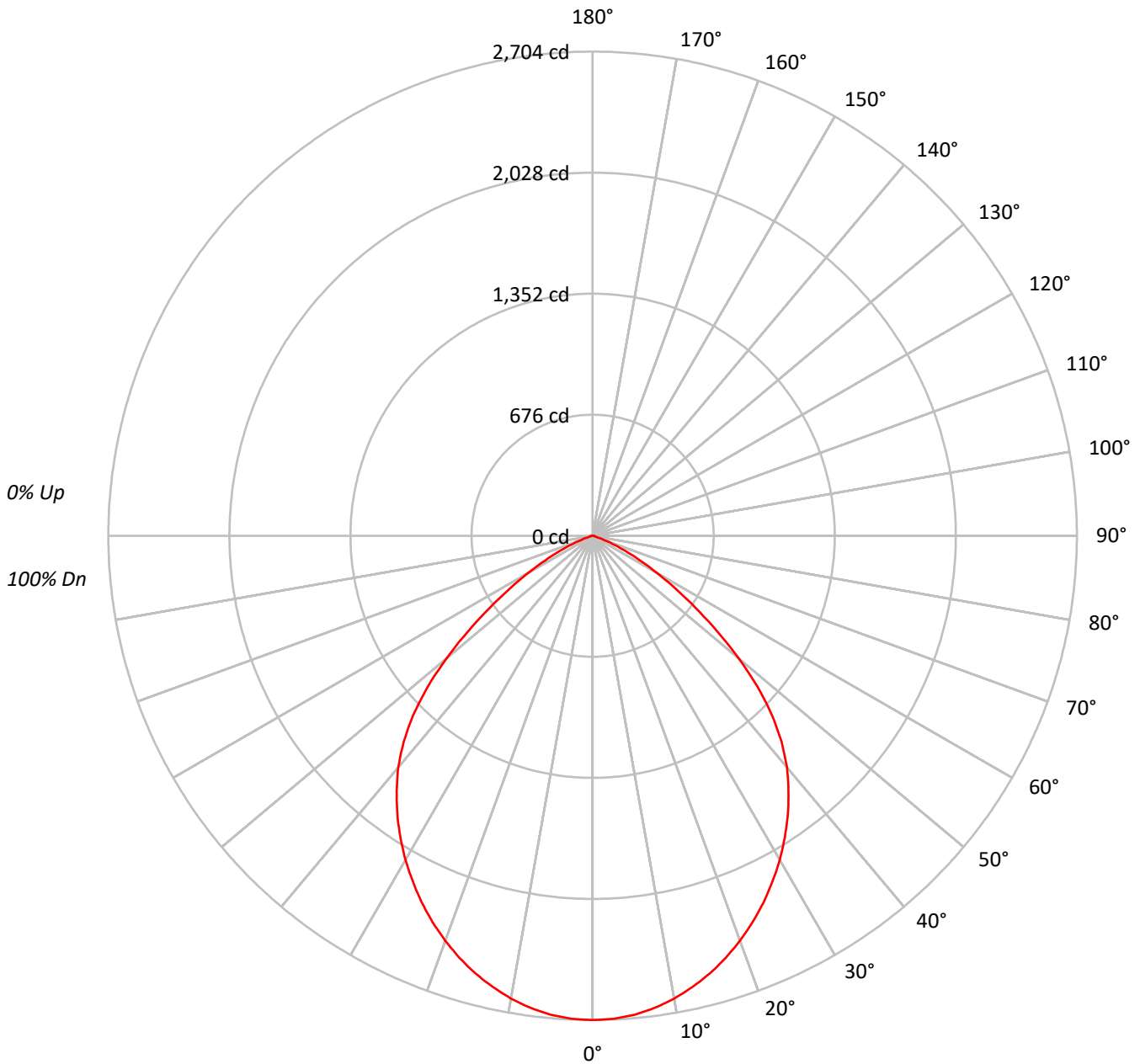
Lumens per Lamp: N/A
Luminaire Lumens: 5150.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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°	260925
5°	260033
10°	257171
15°	252748
20°	247082
25°	240480
30°	232904
35°	223933
40°	212641
45°	193331
50°	159612
55°	117538
60°	79758
65°	46713
70°	18450
75°	4138
80°	5390
85°	9300



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.4	4.9
10°-20°	712.4	13.8
20°-30°	1039.2	20.2
30°-40°	1186.2	23.0
40°-50°	1078.4	20.9
50°-60°	636.0	12.4
60°-70°	213.3	4.1
70°-80°	22.3	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°	2006.0	39.0
0°-40°	3192.2	62.0
0°-60°	4906.6	95.3
0°-90°	5150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5150.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2704	
5°	2685	254
15°	2530	712
25°	2259	1039
35°	1901	1186
45°	1417	1078
55°	699	636
65°	205	213
75°	11	22
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2704.2
2.5°	2700.0
5°	2684.7
7.5°	2659.6
10°	2624.8
12.5°	2580.3
15°	2530.2
17.5°	2471.7
20°	2406.3
22.5°	2335.4
25°	2258.8
27.5°	2175.3
30°	2090.4
32.5°	1997.2
35°	1901.1
37.5°	1796.7
40°	1688.2
42.5°	1561.5
45°	1416.8
47.5°	1249.8
50°	1063.3
52.5°	876.8
55°	698.7
57.5°	547.0
60°	413.3
62.5°	299.2
65°	204.6
67.5°	125.3
70°	65.4
72.5°	25.1
75°	11.1
77.5°	11.1
80°	9.7
82.5°	8.4
85°	8.4
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)