

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: P840426

Luminaire Tested: **LDS4C65D010 EU4659050 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: P840426
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 EU4659050 4LBPSSQMB
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

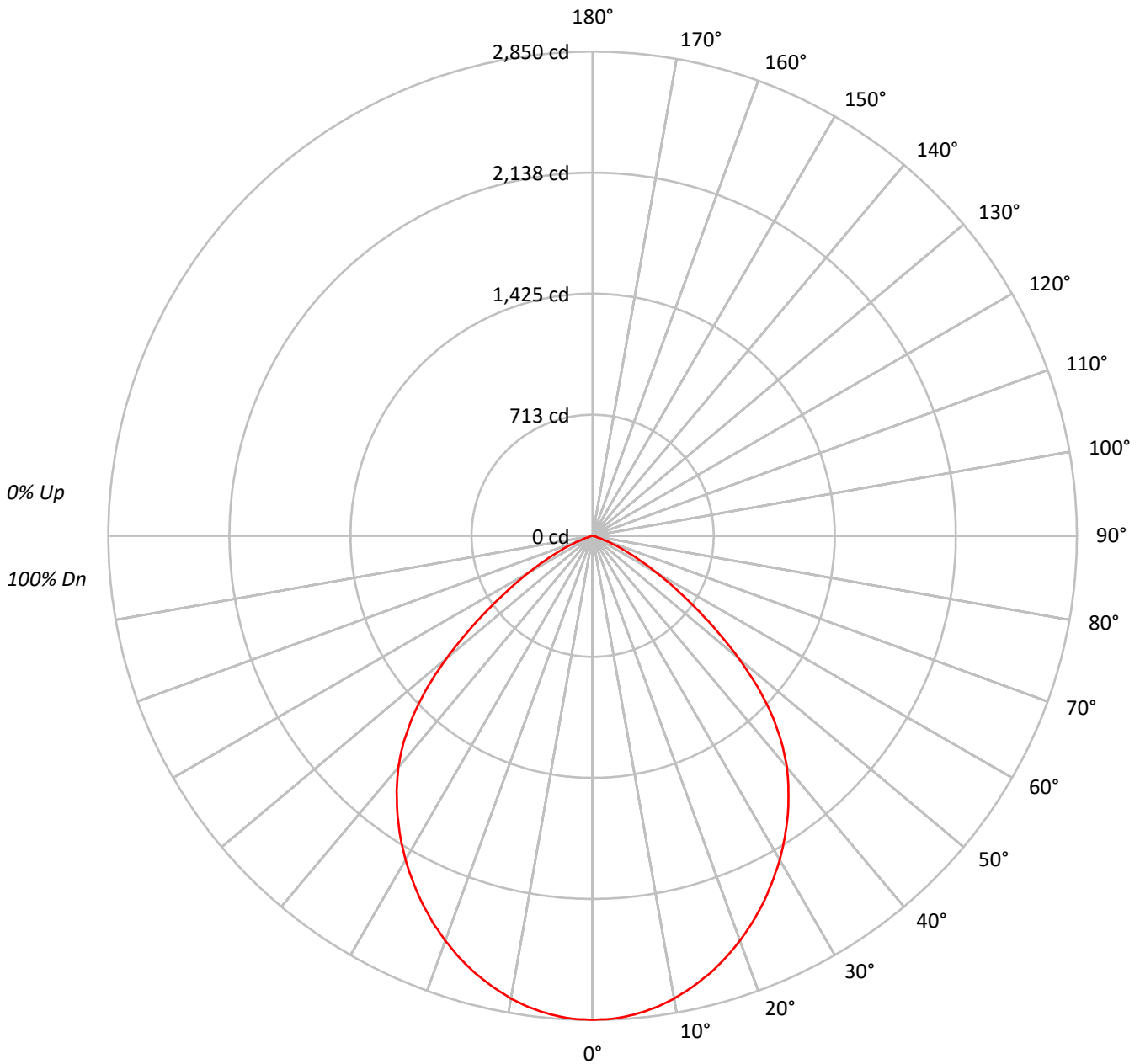
Lumens per Lamp: N/A
Luminaire Lumens: 5427.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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									
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	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°	274955
5°	274019
10°	271005
15°	266344
20°	260379
25°	253416
30°	245427
35°	235983
40°	224078
45°	203729
50°	168198
55°	123846
60°	84061
65°	49224
70°	19438
75°	4362
80°	5723
85°	9742



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.0	4.9
10°-20°	750.8	13.8
20°-30°	1095.1	20.2
30°-40°	1250.0	23.0
40°-50°	1136.4	20.9
50°-60°	670.2	12.4
60°-70°	224.8	4.1
70°-80°	23.5	0.4
80°-90°	8.2	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°	2113.9	39.0
0°-40°	3363.9	62.0
0°-60°	5170.6	95.3
0°-90°	5427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5427.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2850	
5°	2829	268
15°	2666	751
25°	2380	1095
35°	2003	1250
45°	1493	1136
55°	736	670
65°	216	225
75°	12	23
85°	9	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2849.6
2.5°	2845.2
5°	2829.1
7.5°	2802.7
10°	2766.0
12.5°	2719.1
15°	2666.3
17.5°	2604.7
20°	2535.8
22.5°	2461.0
25°	2380.3
27.5°	2292.3
30°	2202.8
32.5°	2104.6
35°	2003.4
37.5°	1893.4
40°	1779.0
42.5°	1645.5
45°	1493.0
47.5°	1317.0
50°	1120.5
52.5°	924.0
55°	736.2
57.5°	576.4
60°	435.6
62.5°	315.3
65°	215.6
67.5°	132.0
70°	68.9
72.5°	26.4
75°	11.7
77.5°	11.7
80°	10.3
82.5°	8.8
85°	8.8
87.5°	7.3
90°	0.0



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— 0°-180°







(END OF REPORT)