

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: P840423

Luminaire Tested: **LDS4C65D010 EU4659035 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: P840423  
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 EU4659035 4LBPSSQMMS  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

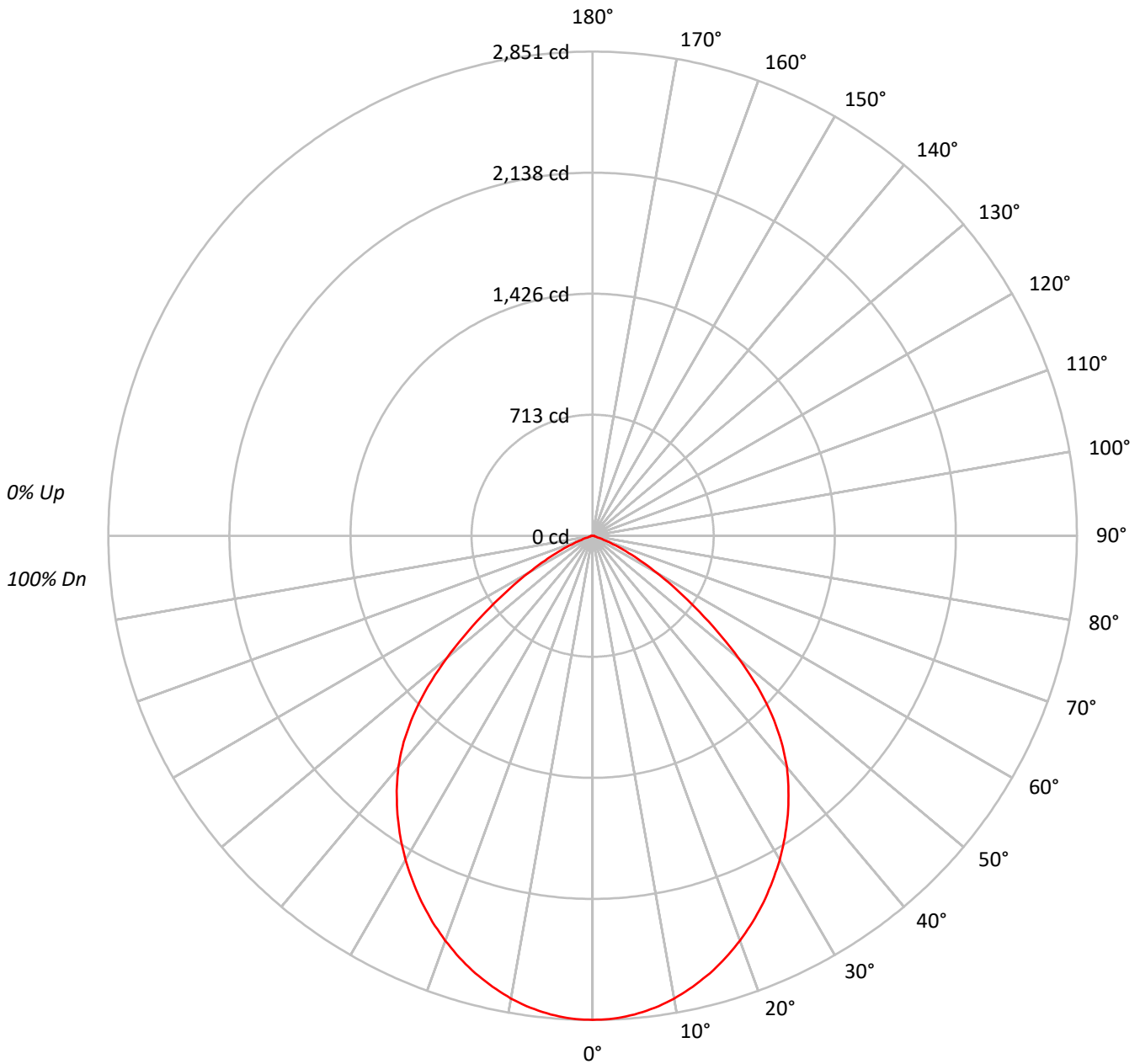
Lumens per Lamp: N/A  
Luminaire Lumens: 5429.0 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 72.4  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°	275061
5°	274116
10°	271103
15°	266444
20°	260472
25°	253511
30°	245527
35°	236065
40°	224154
45°	203811
50°	168258
55°	123896
60°	84080
65°	49247
70°	19466
75°	4362
80°	5723
85°	9742



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.1	4.9
10°-20°	751.1	13.8
20°-30°	1095.5	20.2
30°-40°	1250.5	23.0
40°-50°	1136.8	20.9
50°-60°	670.5	12.3
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°	2114.7	39.0
0°-40°	3365.2	62.0
0°-60°	5172.5	95.3
0°-90°	5429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5429.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2851	
5°	2830	268
15°	2667	751
25°	2381	1096
35°	2004	1250
45°	1494	1137
55°	736	670
65°	216	225
75°	12	23
85°	9	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2850.7
2.5°	2846.3
5°	2830.1
7.5°	2803.7
10°	2767.0
12.5°	2720.1
15°	2667.3
17.5°	2605.7
20°	2536.7
22.5°	2461.9
25°	2381.2
27.5°	2293.2
30°	2203.7
32.5°	2105.4
35°	2004.1
37.5°	1894.1
40°	1779.6
42.5°	1646.1
45°	1493.6
47.5°	1317.5
50°	1120.9
52.5°	924.3
55°	736.5
57.5°	576.6
60°	435.7
62.5°	315.4
65°	215.7
67.5°	132.0
70°	69.0
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



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)