

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: P839368

Luminaire Tested: **LD4C65D010 EU4659050 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C65D010 EU4659050 4LBPSMW
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

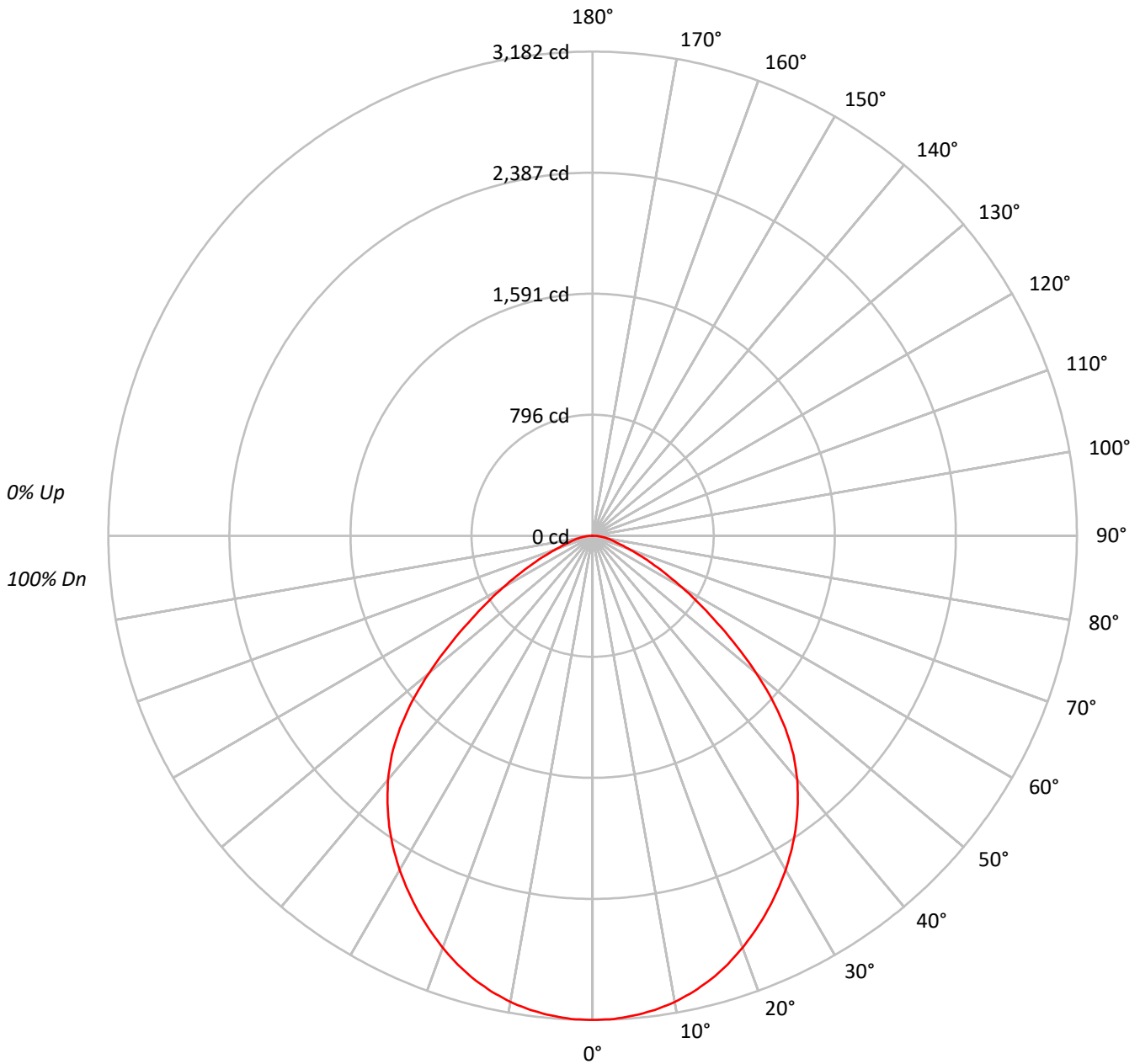
Lumens per Lamp: N/A
Luminaire Lumens: 6784.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	390871
5°	390243
10°	388106
15°	383622
20°	376656
25°	368503
30°	359726
35°	349460
40°	335406
45°	311118
50°	268035
55°	213803
60°	166466
65°	124592
70°	90411
75°	71675
80°	67140
85°	66955



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.4	4.4
10°-20°	849.4	12.5
20°-30°	1251.8	18.5
30°-40°	1454.2	21.4
40°-50°	1366.9	20.1
50°-60°	904.8	13.3
60°-70°	436.0	6.4
70°-80°	168.1	2.5
80°-90°	52.5	0.8
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°	2401.6	35.4
0°-40°	3855.8	56.8
0°-60°	6127.4	90.3
0°-90°	6784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6784.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3182	
5°	3164	300
15°	3016	849
25°	2718	1252
35°	2330	1454
45°	1791	1367
55°	998	905
65°	429	436
75°	151	168
85°	48	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3181.6
2.5°	3178.7
5°	3164.4
7.5°	3142.8
10°	3111.1
12.5°	3068.0
15°	3016.2
17.5°	2952.9
20°	2881.0
22.5°	2801.9
25°	2718.5
27.5°	2629.3
30°	2535.8
32.5°	2436.6
35°	2330.1
37.5°	2213.6
40°	2091.4
42.5°	1953.3
45°	1790.7
47.5°	1606.6
50°	1402.4
52.5°	1195.3
55°	998.2
57.5°	828.5
60°	677.5
62.5°	542.3
65°	428.6
67.5°	332.3
70°	251.7
72.5°	191.3
75°	151.0
77.5°	122.3
80°	94.9
82.5°	70.5
85°	47.5
87.5°	27.3
90°	0.0



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— 0°-180°







(END OF REPORT)