

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: P839356

Luminaire Tested: **LD4C65D010 EU4659027 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839356
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 EU4659027 4LBPSMW
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

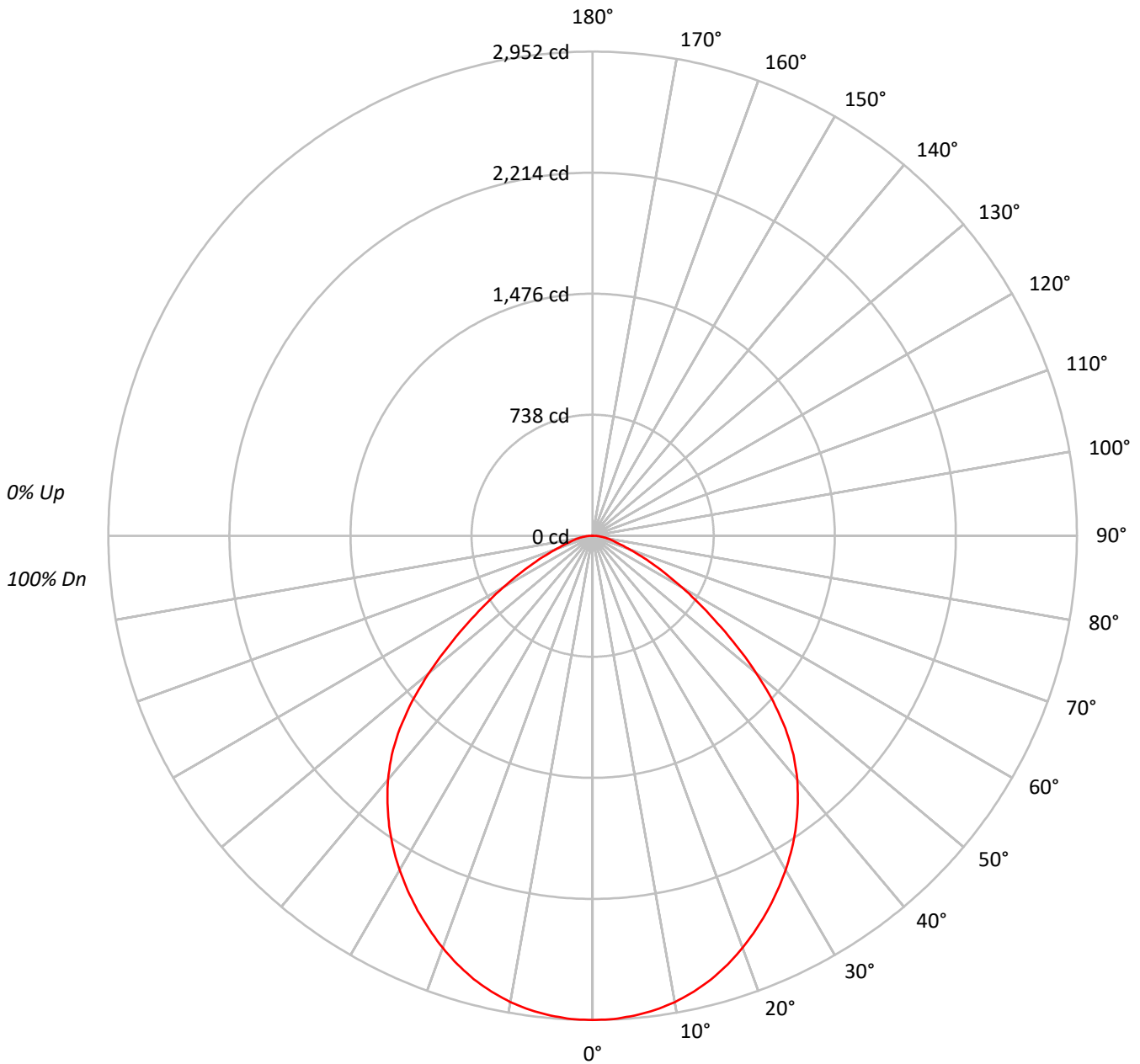
Lumens per Lamp: N/A
Luminaire Lumens: 6295.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	362700
5°	362113
10°	360137
15°	355972
20°	349502
25°	341934
30°	333794
35°	324279
40°	311221
45°	288706
50°	248712
55°	198403
60°	154451
65°	115610
70°	83909
75°	66501
80°	62329
85°	62022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.7	4.4
10°-20°	788.2	12.5
20°-30°	1161.5	18.5
30°-40°	1349.3	21.4
40°-50°	1268.4	20.1
50°-60°	839.6	13.3
60°-70°	404.6	6.4
70°-80°	156.0	2.5
80°-90°	48.7	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°	2228.5	35.4
0°-40°	3577.8	56.8
0°-60°	5685.8	90.3
0°-90°	6295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6295.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2952	
5°	2936	279
15°	2799	788
25°	2522	1162
35°	2162	1349
45°	1662	1268
55°	926	840
65°	398	405
75°	140	156
85°	44	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2952.3
2.5°	2949.6
5°	2936.3
7.5°	2916.3
10°	2886.9
12.5°	2846.8
15°	2798.8
17.5°	2740.1
20°	2673.3
22.5°	2599.9
25°	2522.5
27.5°	2439.8
30°	2353.0
32.5°	2260.9
35°	2162.2
37.5°	2054.1
40°	1940.6
42.5°	1812.5
45°	1661.7
47.5°	1490.8
50°	1301.3
52.5°	1109.1
55°	926.3
57.5°	768.8
60°	628.6
62.5°	503.2
65°	397.7
67.5°	308.3
70°	233.6
72.5°	177.5
75°	140.1
77.5°	113.4
80°	88.1
82.5°	65.4
85°	44.0
87.5°	25.4
90°	0.0



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— 0°-180°







(END OF REPORT)