

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: P839359

Luminaire Tested: **LD4C65D010 EU4659030 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839359
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 EU4659030 4LBPSMW
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

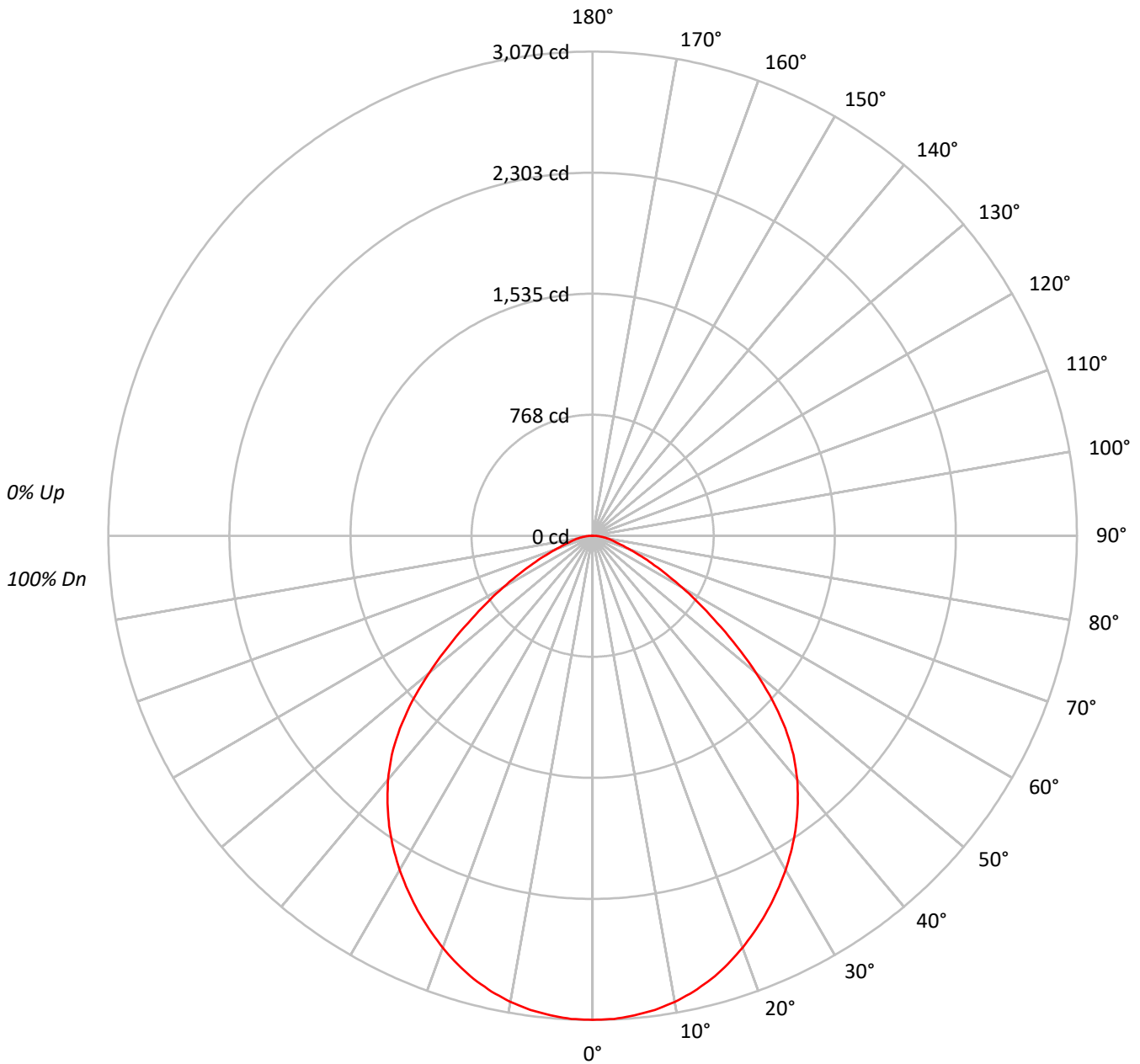
Lumens per Lamp: N/A
Luminaire Lumens: 6545.1 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	377099
5°	376492
10°	374433
15°	370115
20°	363386
25°	355517
30°	347058
35°	337147
40°	323586
45°	300172
50°	258594
55°	206264
60°	160594
65°	120203
70°	87214
75°	69159
80°	64806
85°	64559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.8	4.4
10°-20°	819.5	12.5
20°-30°	1207.7	18.5
30°-40°	1402.9	21.4
40°-50°	1318.7	20.1
50°-60°	872.9	13.3
60°-70°	420.6	6.4
70°-80°	162.2	2.5
80°-90°	50.6	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°	2317.0	35.4
0°-40°	3719.9	56.8
0°-60°	5911.6	90.3
0°-90°	6545.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6545.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3070	
5°	3053	290
15°	2910	820
25°	2623	1208
35°	2248	1403
45°	1728	1319
55°	963	873
65°	414	421
75°	146	162
85°	46	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3069.5
2.5°	3066.8
5°	3052.9
7.5°	3032.1
10°	3001.5
12.5°	2959.9
15°	2910.0
17.5°	2848.9
20°	2779.5
22.5°	2703.2
25°	2622.7
27.5°	2536.7
30°	2446.5
32.5°	2350.7
35°	2248.0
37.5°	2135.6
40°	2017.7
42.5°	1884.5
45°	1727.7
47.5°	1550.0
50°	1353.0
52.5°	1153.2
55°	963.0
57.5°	799.3
60°	653.6
62.5°	523.2
65°	413.5
67.5°	320.6
70°	242.8
72.5°	184.6
75°	145.7
77.5°	118.0
80°	91.6
82.5°	68.0
85°	45.8
87.5°	26.4
90°	0.0



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— 0°-180°







(END OF REPORT)