

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: P839257

Luminaire Tested: **LD4C30D010 EU4309035 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839257
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: LD4C30D010 EU4309035 4LBPSMW
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

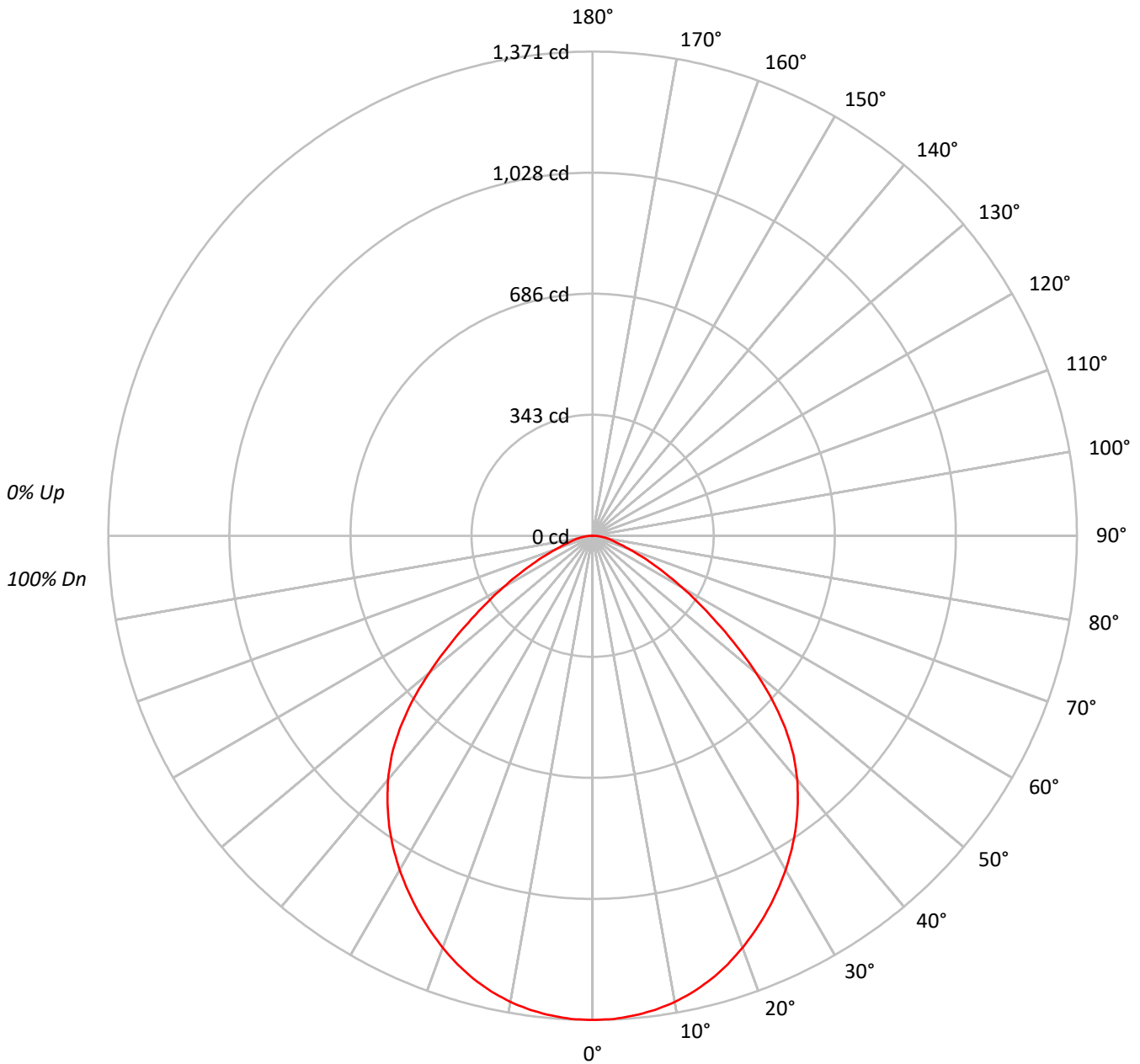
Lumens per Lamp: N/A
Luminaire Lumens: 2923.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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°	168420
5°	168138
10°	167226
15°	165293
20°	162285
25°	158774
30°	154995
35°	150576
40°	144513
45°	134059
50°	115478
55°	92122
60°	71722
65°	53692
70°	38973
75°	30901
80°	28936
85°	28897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	4.4
10°-20°	366.0	12.5
20°-30°	539.3	18.5
30°-40°	626.6	21.4
40°-50°	588.9	20.1
50°-60°	389.8	13.3
60°-70°	187.9	6.4
70°-80°	72.5	2.5
80°-90°	22.6	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°	1034.8	35.4
0°-40°	1661.3	56.8
0°-60°	2640.1	90.3
0°-90°	2923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1371	
5°	1363	129
15°	1300	366
25°	1171	539
35°	1004	627
45°	772	589
55°	430	390
65°	185	188
75°	65	72
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1370.9
2.5°	1369.6
5°	1363.4
7.5°	1354.1
10°	1340.5
12.5°	1321.9
15°	1299.6
17.5°	1272.3
20°	1241.3
22.5°	1207.2
25°	1171.3
27.5°	1132.9
30°	1092.6
32.5°	1049.8
35°	1004.0
37.5°	953.8
40°	901.1
42.5°	841.6
45°	771.6
47.5°	692.2
50°	604.2
52.5°	515.0
55°	430.1
57.5°	357.0
60°	291.9
62.5°	233.6
65°	184.7
67.5°	143.2
70°	108.5
72.5°	82.4
75°	65.1
77.5°	52.7
80°	40.9
82.5°	30.4
85°	20.5
87.5°	11.8
90°	0.0



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— 0°-180°







(END OF REPORT)