

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: P843213

Luminaire Tested: **LD4C08DE010B2750 EU4C08B27 4LBCSMMS**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206301)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C08DE010B2750 EU4C08B27 4LBSCMMS
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

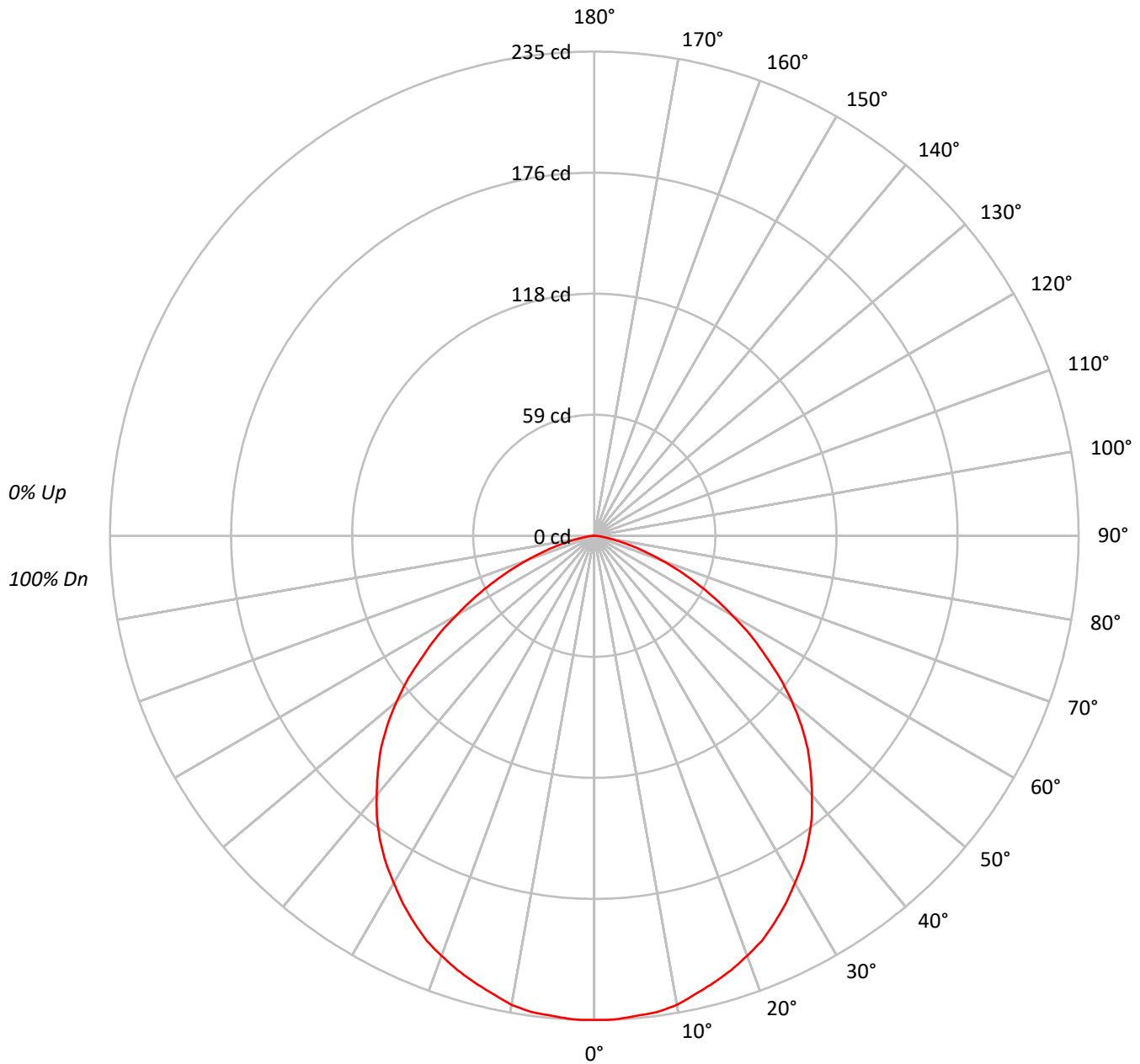
Lumens per Lamp: N/A
Luminaire Lumens: 575.4 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92
2	101	94	87	82	99	92	86	81	88	84	79		85	81	78		82
3	93	83	75	70	90	81	74	69	79	73	68		76	71	67		73
4	85	74	66	60	83	73	65	59	70	64	58		68	62	58		66
5	79	66	58	52	77	65	57	51	63	56	51		61	55	50		60
6	73	60	52	45	71	59	51	45	57	50	45		56	49	44		54
7	68	55	46	40	66	54	46	40	52	45	40		51	44	40		50
8	63	50	42	36	61	49	41	36	48	41	36		47	40	36		46
9	59	46	38	33	57	45	38	32	44	37	32		43	37	32		42
10	55	42	35	30	54	42	34	30	41	34	29		40	34	29		39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28871
5°	28845
10°	28842
15°	28554
20°	28357
25°	28073
30°	27606
35°	27146
40°	26349
45°	25453
50°	23929
55°	21654
60°	19018
65°	16017
70°	12500
75°	8781
80°	4952
85°	3383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	3.9
10°-20°	63.4	11.0
20°-30°	95.4	16.6
30°-40°	113.0	19.6
40°-50°	112.5	19.5
50°-60°	90.7	15.8
60°-70°	54.8	9.5
70°-80°	20.3	3.5
80°-90°	3.0	0.5
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°	181.0	31.5
0°-40°	294.0	51.1
0°-60°	497.2	86.4
0°-90°	575.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	235	
5°	234	22
15°	224	63
25°	207	95
35°	181	113
45°	146	112
55°	101	91
65°	55	55
75°	18	20
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	235.0
2.5°	235.0
5°	233.9
7.5°	233.2
10°	231.2
12.5°	227.7
15°	224.5
17.5°	221.0
20°	216.9
22.5°	212.7
25°	207.1
27.5°	201.2
30°	194.6
32.5°	188.3
35°	181.0
37.5°	173.2
40°	164.3
42.5°	155.5
45°	146.5
47.5°	136.3
50°	125.2
52.5°	113.7
55°	101.1
57.5°	90.0
60°	77.4
62.5°	66.2
65°	55.1
67.5°	44.6
70°	34.8
72.5°	26.1
75°	18.5
77.5°	11.8
80°	7.0
82.5°	4.2
85°	2.4
87.5°	1.1
90°	0.0



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— 0°-180°







(END OF REPORT)