

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: P843522

Luminaire Tested: **LD4C25DE010B35 EU4C25B35 4LBCSMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843522
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: LD4C25DE010B35 EU4C25B35 4LBCSMW
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

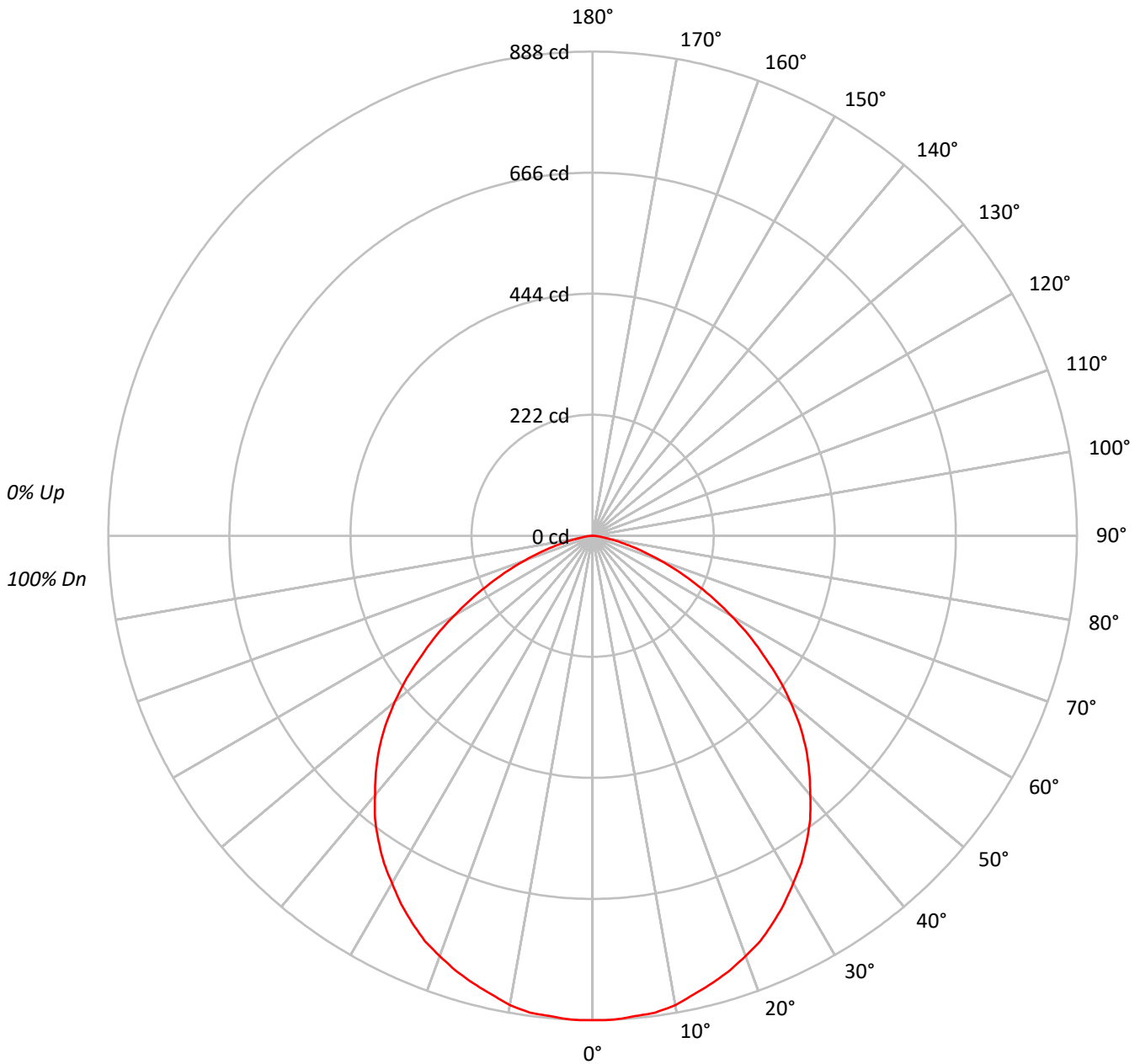
Lumens per Lamp: N/A
Luminaire Lumens: 2175.5 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109155
5°	109091
10°	109043
15°	108007
20°	107218
25°	106166
30°	104366
35°	102629
40°	99576
45°	96218
50°	90479
55°	81863
60°	71943
65°	60523
70°	47342
75°	33132
80°	18678
85°	12827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	3.9
10°-20°	239.7	11.0
20°-30°	360.6	16.6
30°-40°	427.3	19.6
40°-50°	425.2	19.5
50°-60°	342.8	15.8
60°-70°	207.3	9.5
70°-80°	77.0	3.5
80°-90°	11.4	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°	684.5	31.5
0°-40°	1111.8	51.1
0°-60°	1879.8	86.4
0°-90°	2175.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2175.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	888	
5°	885	84
15°	849	240
25°	783	361
35°	684	427
45°	554	425
55°	382	343
65°	208	207
75°	70	77
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	888.5
2.5°	888.5
5°	884.6
7.5°	882.0
10°	874.1
12.5°	860.9
15°	849.2
17.5°	836.0
20°	820.1
22.5°	804.2
25°	783.2
27.5°	760.7
30°	735.7
32.5°	711.9
35°	684.3
37.5°	655.3
40°	620.9
42.5°	588.0
45°	553.8
47.5°	515.4
50°	473.4
52.5°	429.7
55°	382.2
57.5°	340.2
60°	292.8
62.5°	250.4
65°	208.2
67.5°	168.7
70°	131.8
72.5°	98.9
75°	69.8
77.5°	44.8
80°	26.4
82.5°	15.9
85°	9.1
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)