

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: P843242

Luminaire Tested: **LD4C08DE010B35 EU4C08B35 4LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843242
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: LD4C08DE010B35 EU4C08B35 4LBCSMW
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

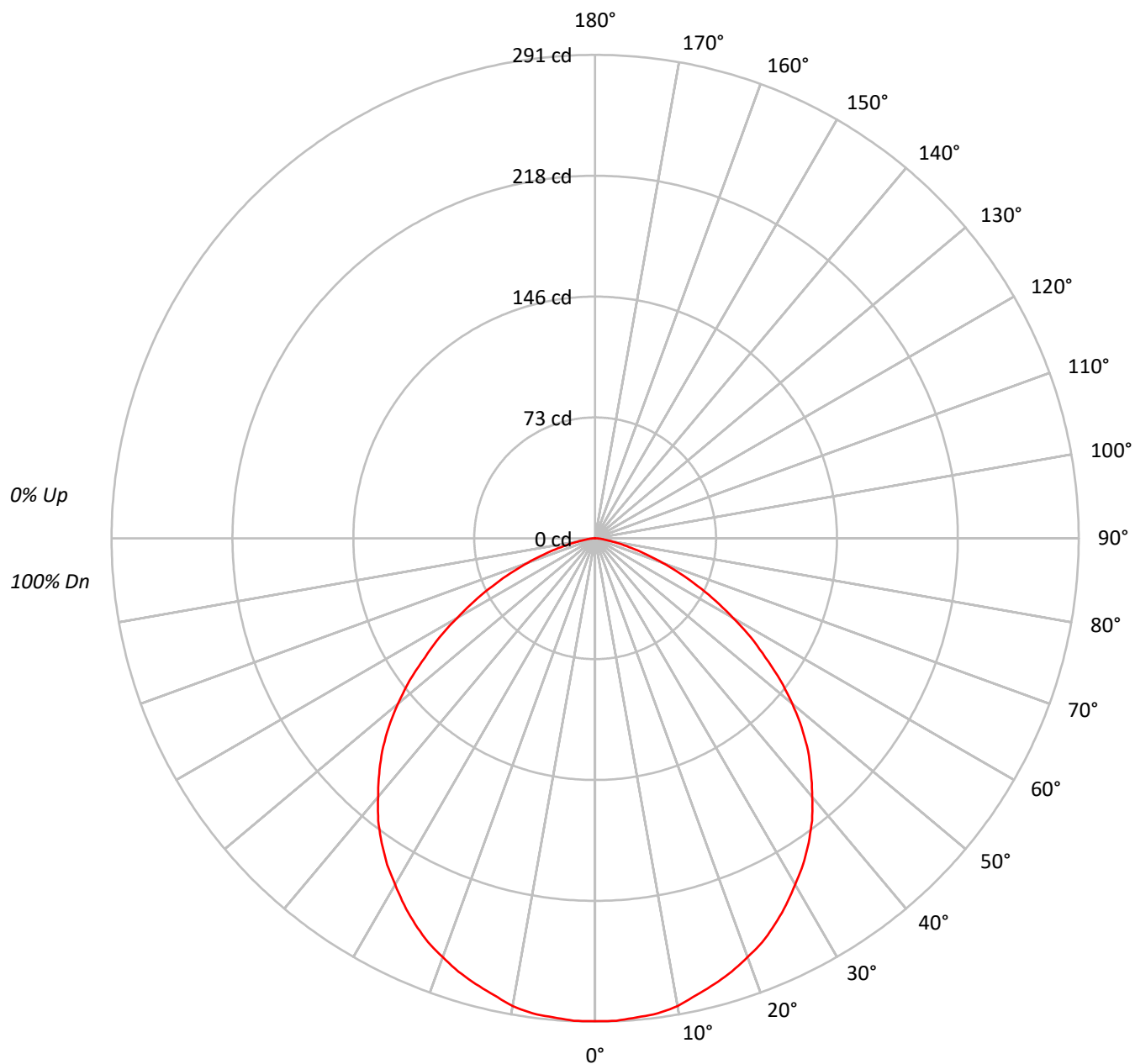
Lumens per Lamp: N/A
Luminaire Lumens: 711.8 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P843242

CATALOG NUMBER: LD4C08DE010B35 EU4C08B35 4LBSCMW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55		
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42		
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37		
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33		
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30		
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35714
5°	35702
10°	35678
15°	35333
20°	35077
25°	34742
30°	34145
35°	33580
40°	32588
45°	31482
50°	29586
55°	26774
60°	23539
65°	19796
70°	15517
75°	10822
80°	6155
85°	4229



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	3.9
10°-20°	78.4	11.0
20°-30°	118.0	16.6
30°-40°	139.8	19.6
40°-50°	139.1	19.5
50°-60°	112.1	15.8
60°-70°	67.9	9.5
70°-80°	25.2	3.5
80°-90°	3.8	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°	223.9	31.5
0°-40°	363.8	51.1
0°-60°	615.0	86.4
0°-90°	711.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	291	
5°	290	28
15°	278	78
25°	256	118
35°	224	140
45°	181	139
55°	125	112
65°	68	68
75°	23	25
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	290.7
2.5°	290.7
5°	289.5
7.5°	288.5
10°	286.0
12.5°	281.6
15°	277.8
17.5°	273.5
20°	268.3
22.5°	263.1
25°	256.3
27.5°	248.9
30°	240.7
32.5°	232.9
35°	223.9
37.5°	214.4
40°	203.2
42.5°	192.4
45°	181.2
47.5°	168.6
50°	154.8
52.5°	140.6
55°	125.0
57.5°	111.3
60°	95.8
62.5°	82.0
65°	68.1
67.5°	55.2
70°	43.2
72.5°	32.4
75°	22.8
77.5°	14.7
80°	8.7
82.5°	5.2
85°	3.0
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)