

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: P843226

Luminaire Tested: **LD4C08DE010B2750 EU4C08B30 4LBCSMB**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843226
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 EU4C08B30 4LBCSMB
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

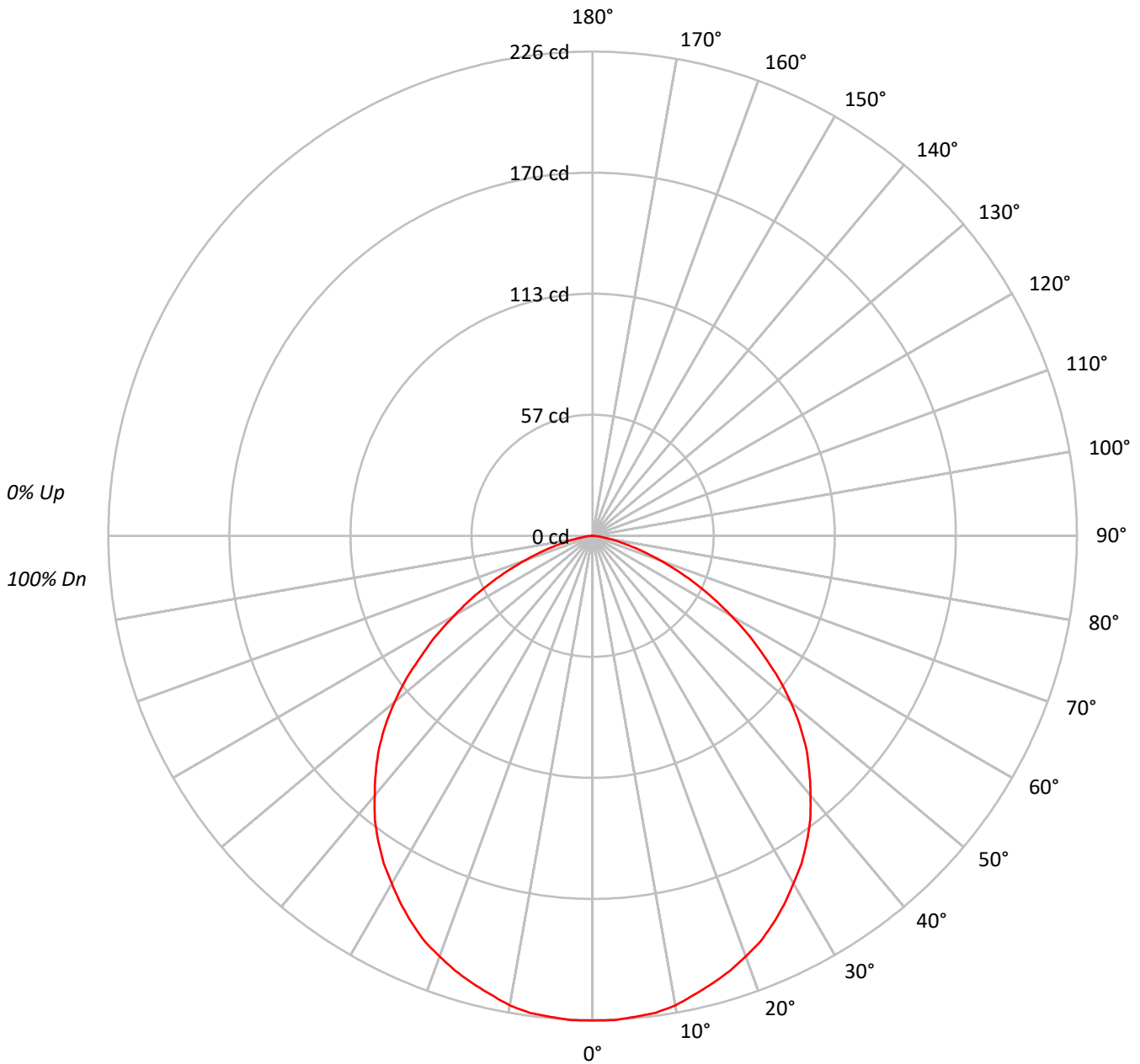
Lumens per Lamp: N/A
Luminaire Lumens: 554.2 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843226

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B30 4LBCSMB

Luminous Intensity Polar Plot





TEST NUMBER: P843226

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B30 4LBCSMB

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°	27802
5°	27797
10°	27769
15°	27511
20°	27311
25°	27043
30°	26584
35°	26141
40°	25371
45°	24515
50°	23050
55°	20862
60°	18330
65°	15436
70°	12033
75°	8449
80°	4811
85°	3242



TEST NUMBER: P843226

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B30 4LBCSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	3.9
10°-20°	61.1	11.0
20°-30°	91.9	16.6
30°-40°	108.9	19.6
40°-50°	108.3	19.5
50°-60°	87.3	15.8
60°-70°	52.8	9.5
70°-80°	19.6	3.5
80°-90°	2.9	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°	174.4	31.5
0°-40°	283.2	51.1
0°-60°	478.9	86.4
0°-90°	554.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	226	
5°	225	21
15°	216	61
25°	200	92
35°	174	109
45°	141	108
55°	97	87
65°	53	53
75°	18	20
85°	2	3
90°	0	



TEST NUMBER: P843226

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B30 4LBCSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	226.3
2.5°	226.3
5°	225.4
7.5°	224.6
10°	222.6
12.5°	219.4
15°	216.3
17.5°	212.9
20°	208.9
22.5°	204.9
25°	199.5
27.5°	193.8
30°	187.4
32.5°	181.4
35°	174.3
37.5°	166.9
40°	158.2
42.5°	149.8
45°	141.1
47.5°	131.3
50°	120.6
52.5°	109.5
55°	97.4
57.5°	86.6
60°	74.6
62.5°	63.8
65°	53.1
67.5°	42.9
70°	33.5
72.5°	25.2
75°	17.8
77.5°	11.4
80°	6.8
82.5°	4.0
85°	2.3
87.5°	1.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)