

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: P843280

Luminaire Tested: **LD4C08DE010B2750 EU4C08B50 4LBWH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C08DE010B2750 EU4C08B50 4LBWH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

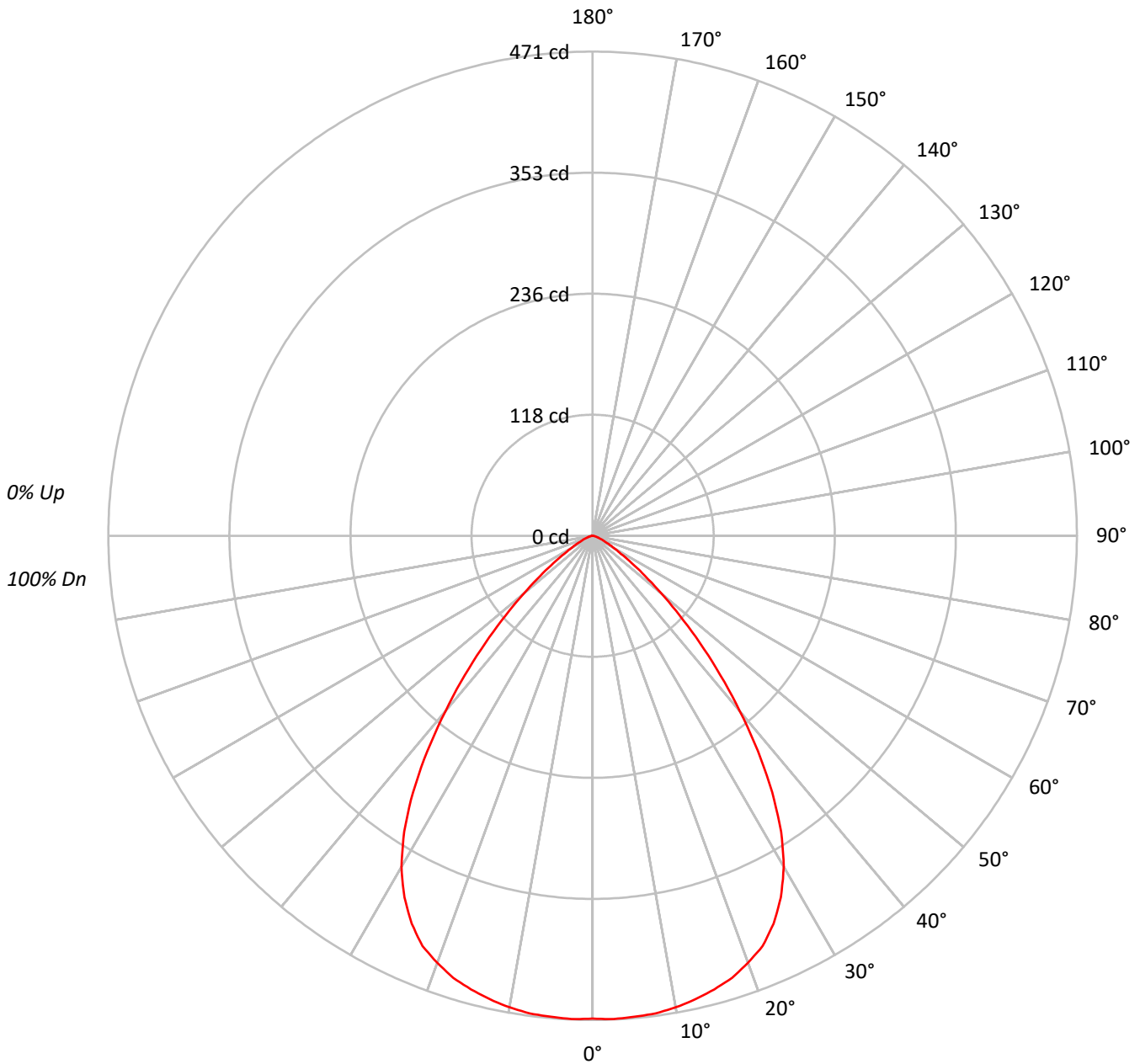
Lumens per Lamp: N/A
Luminaire Lumens: 728.7 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843280

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P843280

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBWH

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			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57704
5°	57925
10°	58108
15°	58099
20°	57786
25°	56431
30°	52743
35°	45668
40°	35683
45°	25592
50°	16628
55°	9938
60°	5823
65°	3750
70°	2514
75°	1851
80°	1415
85°	0



TEST NUMBER: P843280

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	6.1
10°-20°	128.9	17.7
20°-30°	190.2	26.1
30°-40°	187.7	25.8
40°-50°	114.8	15.8
50°-60°	44.0	6.0
60°-70°	13.8	1.9
70°-80°	4.1	0.6
80°-90°	0.5	0.1
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°	363.8	49.9
0°-40°	551.5	75.7
0°-60°	710.3	97.5
0°-90°	728.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	728.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	470	
5°	470	45
15°	457	129
25°	416	190
35°	304	188
45°	147	115
55°	46	44
65°	13	14
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P843280

CATALOG NUMBER: LD4C08DE010B2750 EU4C08B50 4LBWH

CANDELA DISTRIBUTION (FULL):

0°	
0°	469.7
2.5°	470.6
5°	469.7
7.5°	468.7
10°	465.8
12.5°	461.8
15°	456.8
17.5°	450.9
20°	442.0
22.5°	432.1
25°	416.3
27.5°	396.5
30°	371.8
32.5°	341.2
35°	304.5
37.5°	264.0
40°	222.5
42.5°	183.9
45°	147.3
47.5°	114.6
50°	87.0
52.5°	64.3
55°	46.4
57.5°	32.6
60°	23.7
62.5°	17.8
65°	12.9
67.5°	9.9
70°	7.0
72.5°	5.0
75°	3.9
77.5°	2.0
80°	2.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)