

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: P843512

Luminaire Tested: **LD4C25DE010B2750 EU4C25B30 4LBMH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25DE010B2750 EU4C25B30 4LBMH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

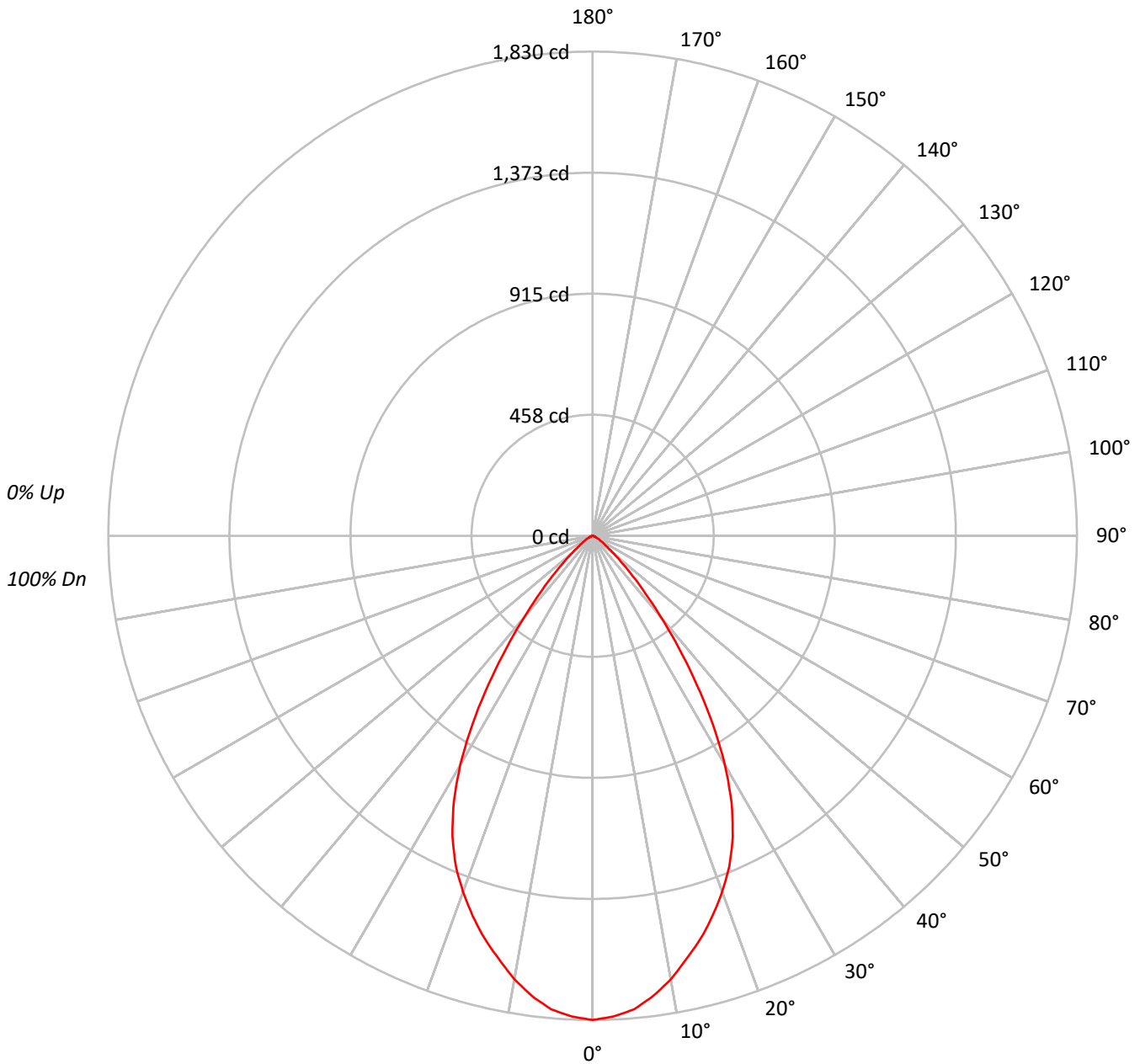
Lumens per Lamp: N/A
Luminaire Lumens: 1845.5 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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																	
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	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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																																				
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85																																				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79																																				
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73																																				
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67																																				
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62																																				
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58																																				
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54																																				
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50																																				
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	224822
5°	221562
10°	212297
15°	200511
20°	187164
25°	169903
30°	141859
35°	102764
40°	64342
45°	36764
50°	19170
55°	10731
60°	6831
65°	4070
70°	3017
75°	1282
80°	1910
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	9.1
10°-20°	441.8	23.9
20°-30°	567.7	30.8
30°-40°	427.1	23.1
40°-50°	171.6	9.3
50°-60°	48.8	2.6
60°-70°	15.4	0.8
70°-80°	4.4	0.2
80°-90°	0.4	0.0
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°	1177.9	63.8
0°-40°	1605.0	87.0
0°-60°	1825.3	98.9
0°-90°	1845.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1845.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1830	
5°	1797	168
15°	1576	442
25°	1253	568
35°	685	427
45°	212	172
55°	50	49
65°	14	15
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1830.0
2.5°	1818.8
5°	1796.6
7.5°	1754.7
10°	1701.8
12.5°	1637.9
15°	1576.5
17.5°	1506.9
20°	1431.6
22.5°	1350.9
25°	1253.4
27.5°	1136.4
30°	1000.0
32.5°	846.7
35°	685.2
37.5°	534.7
40°	401.2
42.5°	295.3
45°	211.6
47.5°	144.9
50°	100.3
52.5°	69.7
55°	50.1
57.5°	36.3
60°	27.8
62.5°	19.5
65°	14.0
67.5°	11.1
70°	8.4
72.5°	5.6
75°	2.7
77.5°	2.7
80°	2.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)