

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: P843392

Luminaire Tested: **LD4C15DE010B2750 EU4C15B35 4LBWH**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P843392
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: LD4C15DE010B2750 EU4C15B35 4LBWH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

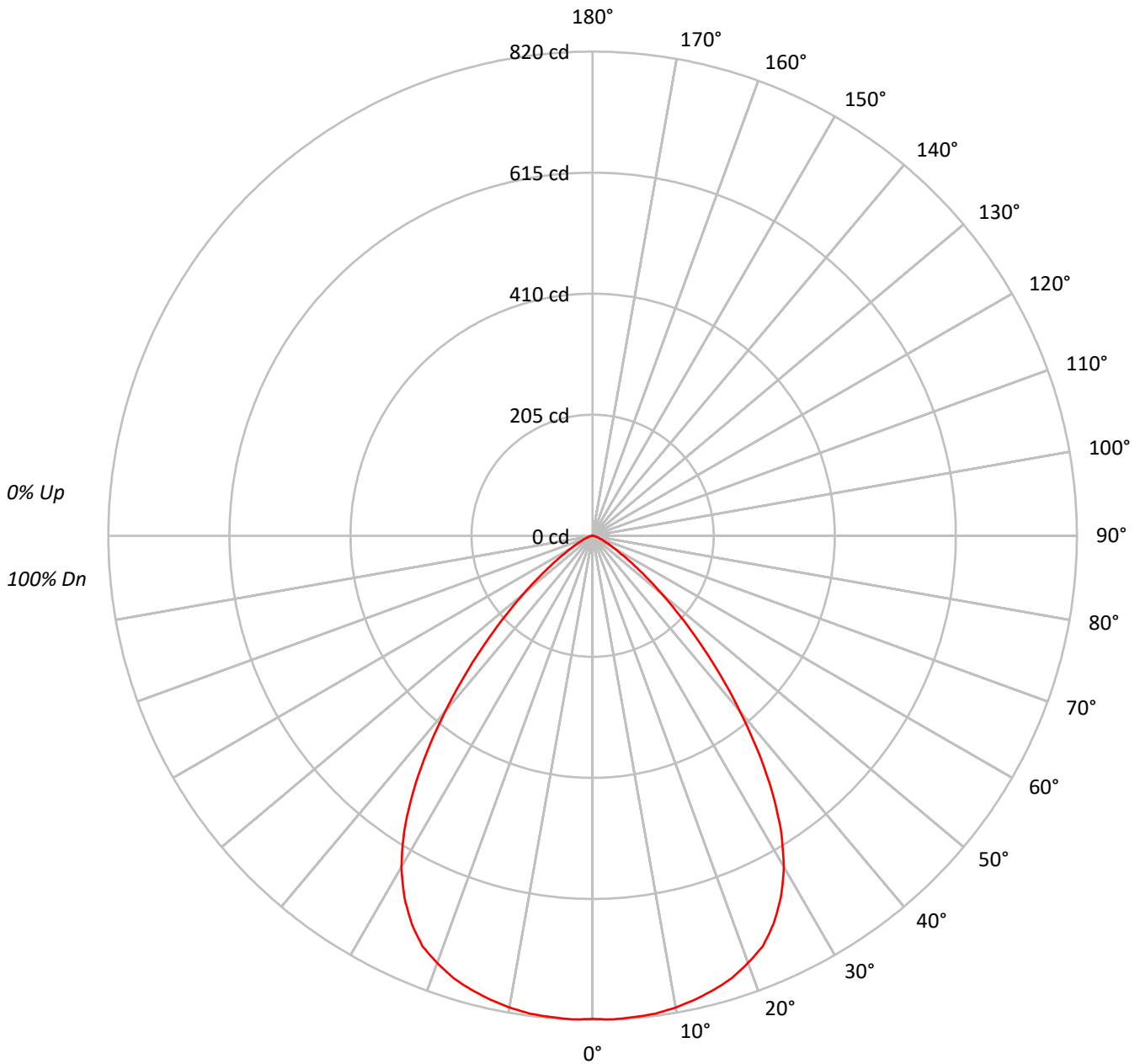
Lumens per Lamp: N/A
Luminaire Lumens: 1269.2 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17
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: P843392

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B35 4LBWH

Luminous Intensity Polar Plot





TEST NUMBER: P843392

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B35 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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100506
5°	100890
10°	101196
15°	101203
20°	100629
25°	98277
30°	91868
35°	79547
40°	62145
45°	44582
50°	28975
55°	17328
60°	10123
65°	6512
70°	4346
75°	3275
80°	2476
85°	0



TEST NUMBER: P843392

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B35 4LBWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	6.1
10°-20°	224.5	17.7
20°-30°	331.2	26.1
30°-40°	326.9	25.8
40°-50°	200.0	15.8
50°-60°	76.7	6.0
60°-70°	24.0	1.9
70°-80°	7.1	0.6
80°-90°	0.9	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°	633.6	49.9
0°-40°	960.5	75.7
0°-60°	1237.2	97.5
0°-90°	1269.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1269.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	818	
5°	818	78
15°	796	224
25°	725	331
35°	530	327
45°	257	200
55°	81	77
65°	22	24
75°	7	7
85°	0	1
90°	0	



TEST NUMBER: P843392

CATALOG NUMBER: LD4C15DE010B2750 EU4C15B35 4LBWH

CANDELA DISTRIBUTION (FULL):

0°	
0°	818.1
2.5°	819.8
5°	818.1
7.5°	816.3
10°	811.2
12.5°	804.2
15°	795.7
17.5°	785.3
20°	769.7
22.5°	752.6
25°	725.0
27.5°	690.5
30°	647.6
32.5°	594.2
35°	530.4
37.5°	459.8
40°	387.5
42.5°	320.4
45°	256.6
47.5°	199.7
50°	151.6
52.5°	112.0
55°	80.9
57.5°	56.8
60°	41.2
62.5°	31.0
65°	22.4
67.5°	17.2
70°	12.1
72.5°	8.6
75°	6.9
77.5°	3.5
80°	3.5
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)