

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: P843298

Luminaire Tested: **LD4C10DE010B2750 EU4C10B30 4LBCSMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843298
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: LD4C10DE010B2750 EU4C10B30 4LBSCMW
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

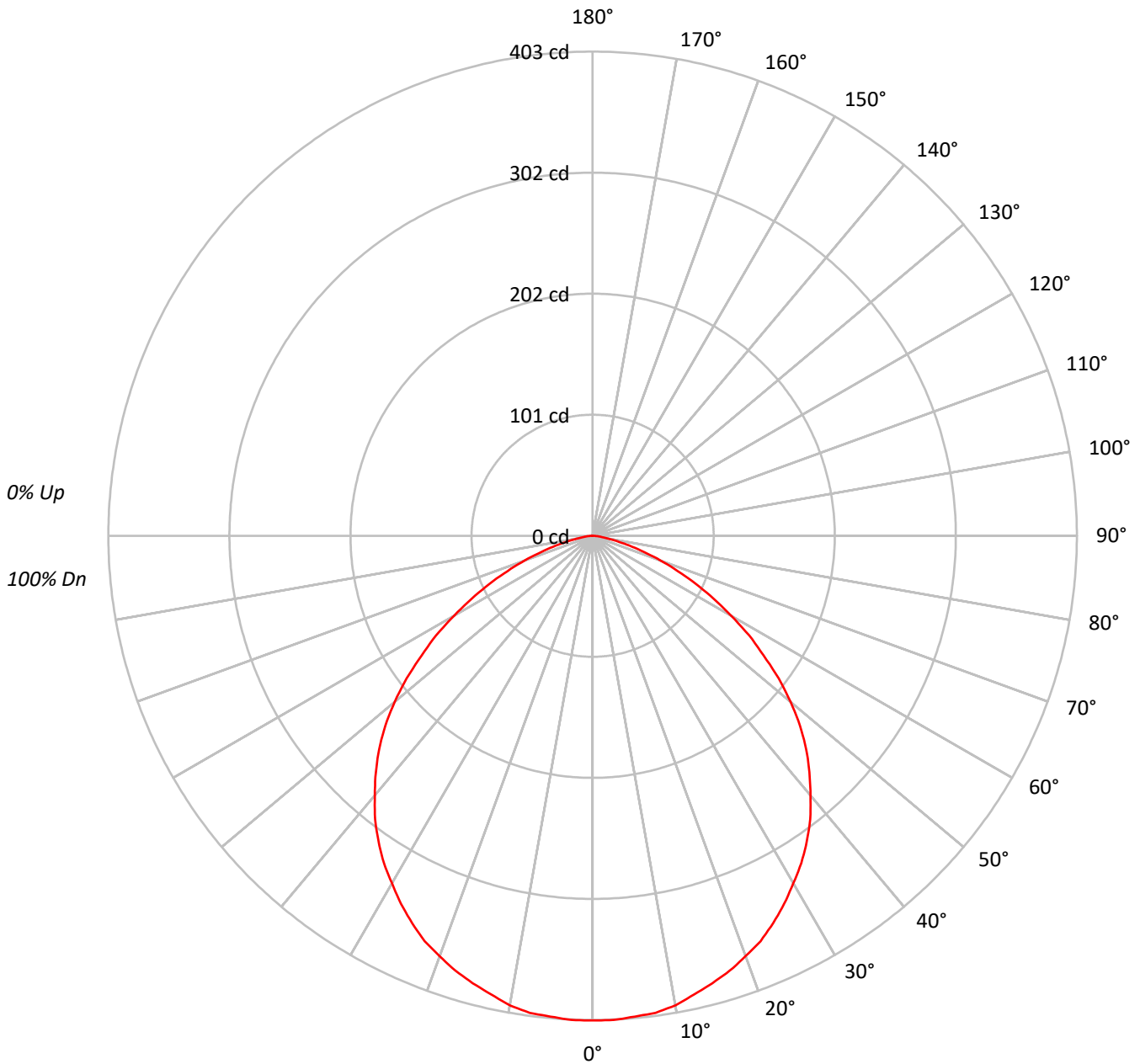
Lumens per Lamp: N/A
Luminaire Lumens: 987.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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: P843298

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBCSMW

Luminous Intensity Polar Plot





TEST NUMBER: P843298

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBSCMW

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	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°	49559
5°	49539
10°	49513
15°	49031
20°	48687
25°	48203
30°	47381
35°	46598
40°	45225
45°	43679
50°	41073
55°	37183
60°	32654
65°	27500
70°	21516
75°	15047
80°	8490
85°	5779



TEST NUMBER: P843298

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBCSMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	3.9
10°-20°	108.8	11.0
20°-30°	163.7	16.6
30°-40°	194.0	19.6
40°-50°	193.1	19.5
50°-60°	155.7	15.8
60°-70°	94.2	9.5
70°-80°	34.9	3.5
80°-90°	5.2	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°	310.8	31.5
0°-40°	504.8	51.1
0°-60°	853.6	86.4
0°-90°	987.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	403	
5°	402	38
15°	386	109
25°	356	164
35°	311	194
45°	251	193
55°	174	156
65°	95	94
75°	32	35
85°	4	5
90°	0	



TEST NUMBER: P843298

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBCSMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	403.4
2.5°	403.4
5°	401.7
7.5°	400.5
10°	396.9
12.5°	390.9
15°	385.5
17.5°	379.6
20°	372.4
22.5°	365.2
25°	355.6
27.5°	345.3
30°	334.0
32.5°	323.2
35°	310.7
37.5°	297.5
40°	282.0
42.5°	267.1
45°	251.4
47.5°	234.1
50°	214.9
52.5°	195.1
55°	173.6
57.5°	154.5
60°	132.9
62.5°	113.7
65°	94.6
67.5°	76.6
70°	59.9
72.5°	44.8
75°	31.7
77.5°	20.4
80°	12.0
82.5°	7.2
85°	4.1
87.5°	1.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)