

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: P843326

Luminaire Tested: **LD4C10DE010B40 EU4C10B40 4LBCSMW**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P843326
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: LD4C10DE010B40 EU4C10B40 4LBCSMW
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

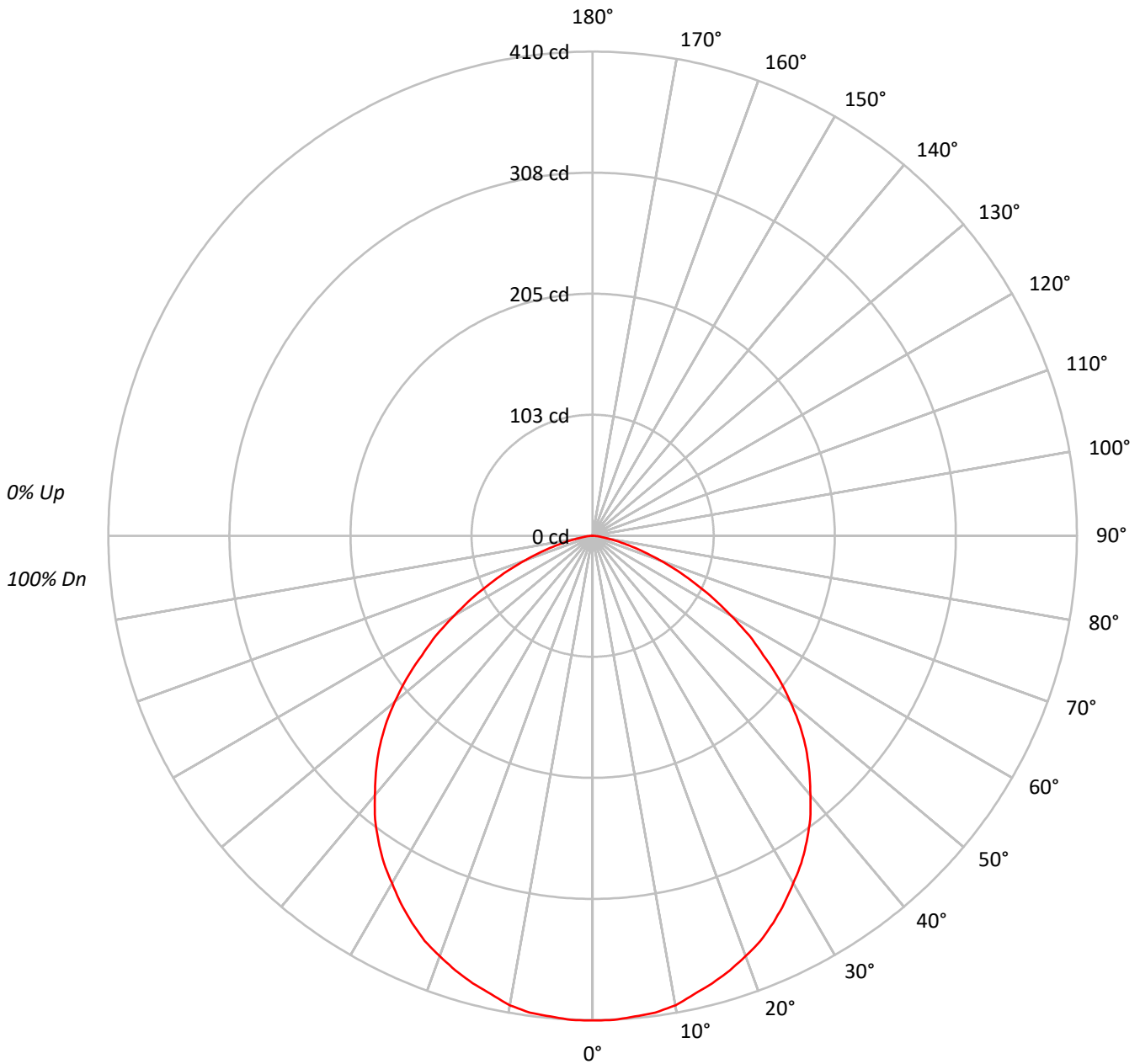
Lumens per Lamp: N/A
Luminaire Lumens: 1004.7 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P843326

CATALOG NUMBER: LD4C10DE010B40 EU4C10B40 4LBSCMW

Luminous Intensity Polar Plot





TEST NUMBER: P843326

CATALOG NUMBER: LD4C10DE010B40 EU4C10B40 4LBSCMW

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°	50419
5°	50390
10°	50361
15°	49883
20°	49510
25°	49030
30°	48189
35°	47393
40°	45995
45°	44426
50°	41780
55°	37804
60°	33220
65°	27936
70°	21839
75°	15332
80°	8631
85°	5920



TEST NUMBER: P843326

CATALOG NUMBER: LD4C10DE010B40 EU4C10B40 4LBCSMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.9	3.9
10°-20°	110.7	11.0
20°-30°	166.5	16.6
30°-40°	197.3	19.6
40°-50°	196.4	19.5
50°-60°	158.3	15.8
60°-70°	95.7	9.5
70°-80°	35.6	3.5
80°-90°	5.3	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°	316.1	31.5
0°-40°	513.4	51.1
0°-60°	868.2	86.4
0°-90°	1004.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	410	
5°	409	39
15°	392	111
25°	362	167
35°	316	197
45°	256	196
55°	176	158
65°	96	96
75°	32	36
85°	4	5
90°	0	



TEST NUMBER: P843326

CATALOG NUMBER: LD4C10DE010B40 EU4C10B40 4LBCSMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	410.4
2.5°	410.4
5°	408.6
7.5°	407.3
10°	403.7
12.5°	397.6
15°	392.2
17.5°	386.0
20°	378.7
22.5°	371.4
25°	361.7
27.5°	351.2
30°	339.7
32.5°	328.8
35°	316.0
37.5°	302.6
40°	286.8
42.5°	271.6
45°	255.7
47.5°	238.1
50°	218.6
52.5°	198.5
55°	176.5
57.5°	157.2
60°	135.2
62.5°	115.7
65°	96.1
67.5°	77.9
70°	60.8
72.5°	45.7
75°	32.3
77.5°	20.7
80°	12.2
82.5°	7.3
85°	4.2
87.5°	1.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)