

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: P857552

Luminaire Tested: **LD4C30D010 EU4309035 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P857552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER
Issue Date: 7/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C30D010 EU4309035 4LBMLI
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

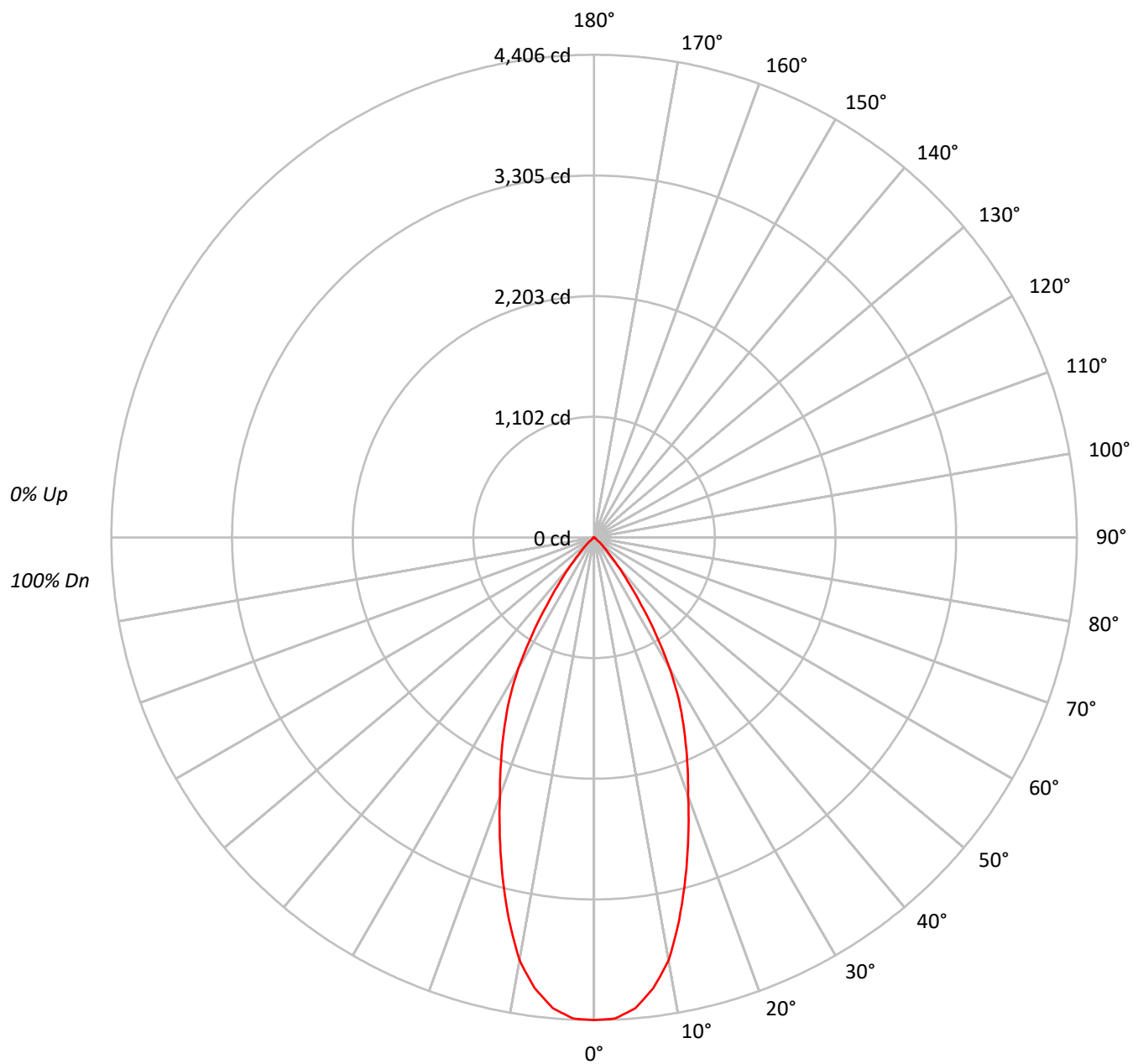
Lumens per Lamp: N/A
Luminaire Lumens: 2795.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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

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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	71
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	64		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		67	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		64	60	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	541305
5°	532113
10°	488928
15°	409454
20°	328035
25°	263571
30°	196205
35°	112092
40°	52603
45°	22343
50°	7110
55°	3620
60°	2482
65°	1977
70°	1221
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.9	14.3
10°-20°	891.9	31.9
20°-30°	886.8	31.7
30°-40°	482.9	17.3
40°-50°	111.6	4.0
50°-60°	15.7	0.6
60°-70°	5.9	0.2
70°-80°	1.3	0.0
80°-90°	0.0	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°	2177.6	77.9
0°-40°	2660.5	95.2
0°-60°	2787.8	99.7
0°-90°	2795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2795.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4406	
5°	4315	399
15°	3219	892
25°	1944	887
35°	747	483
45°	129	112
55°	17	16
65°	7	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4406.1
2.5°	4396.0
5°	4314.8
7.5°	4149.2
10°	3919.3
12.5°	3581.1
15°	3219.3
17.5°	2860.8
20°	2509.1
22.5°	2221.7
25°	1944.4
27.5°	1680.7
30°	1383.1
32.5°	1051.7
35°	747.4
37.5°	503.8
40°	328.0
42.5°	206.2
45°	128.6
47.5°	74.4
50°	37.2
52.5°	20.3
55°	16.9
57.5°	10.1
60°	10.1
62.5°	6.8
65°	6.8
67.5°	3.4
70°	3.4
72.5°	3.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)