

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P432836

Luminaire Tested: **LAM4B308R359730DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-6)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B308R359730DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2196.7 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.51
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

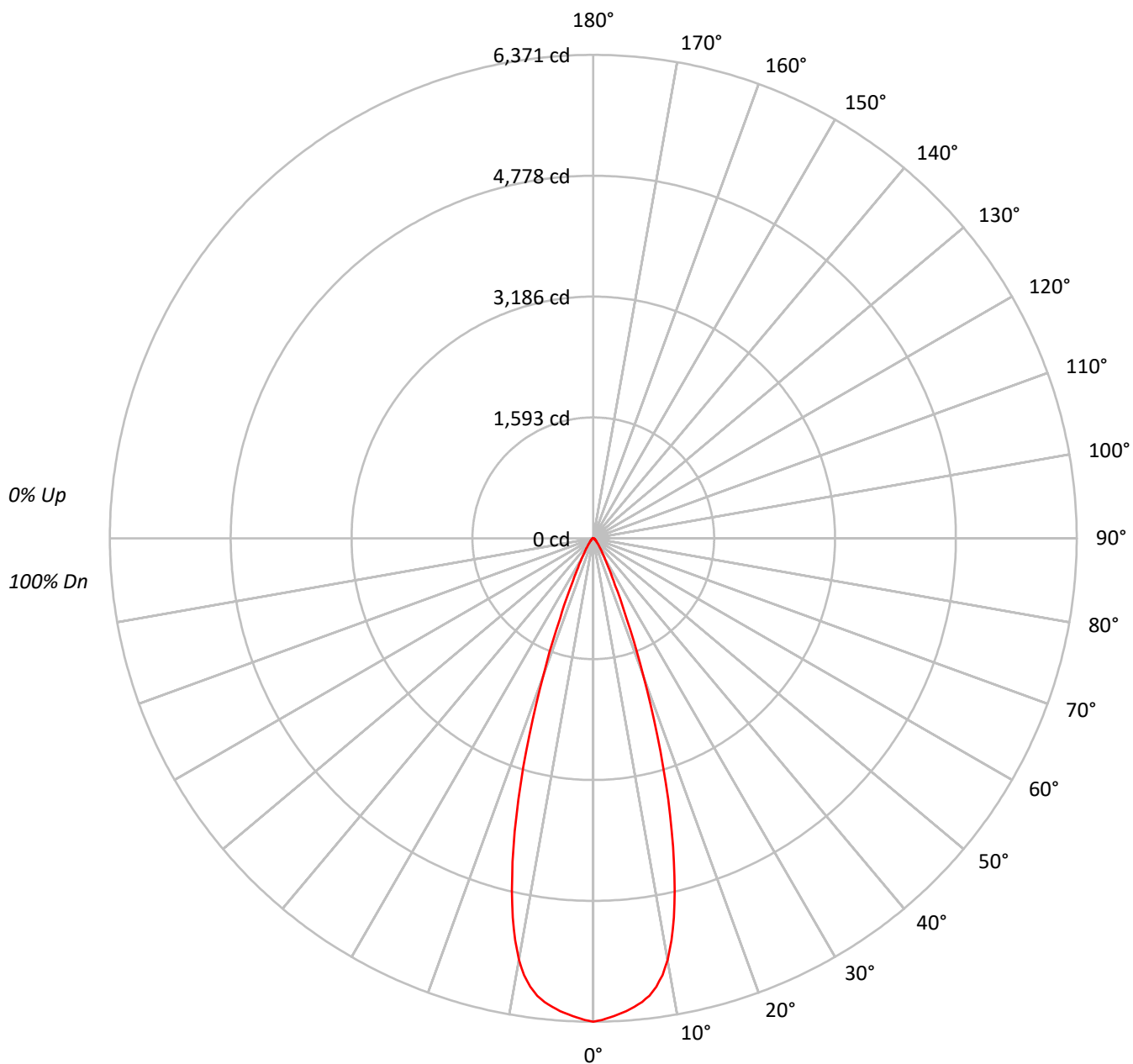
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P432836

CATALOG NUMBER: LAM4B308R359730DE01021MMS

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108	112	110	108	106		106	105	103			102	101	100			99
2	110	106	103	100	108	104	101	99		101	99	97			98	96	95			96
3	106	101	97	94	104	100	96	93		97	94	92			95	92	90			93
4	102	96	92	89	101	95	91	88		93	90	87			91	88	86			90
5	99	92	88	84	97	91	87	84		90	86	83			88	85	83			87
6	96	89	84	81	94	88	84	80		87	83	80			85	82	79			84
7	92	85	81	77	91	85	80	77		84	80	77			82	79	76			81
8	90	82	78	74	88	82	77	74		81	77	74			80	76	74			79
9	87	79	75	72	86	79	75	72		78	74	71			77	74	71			77
10	84	77	72	69	83	76	72	69		76	72	69			75	71	69			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3143518
5°	3071084
10°	2826189
15°	2042677
20°	1009081
25°	370181
30°	166924
35°	90888
40°	56355
45°	38167
50°	28553
55°	24429
60°	21610
65°	20430
70°	18897
75°	16585
80°	18752
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.2	26.2
10°-20°	1053.0	47.9
20°-30°	366.6	16.7
30°-40°	101.6	4.6
40°-50°	44.2	2.0
50°-60°	25.6	1.2
60°-70°	17.3	0.8
70°-80°	9.5	0.4
80°-90°	2.7	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°	1995.8	90.9
0°-40°	2097.4	95.5
0°-60°	2167.2	98.7
0°-90°	2196.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2196.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6371	
5°	6201	576
15°	3999	1053
25°	680	367
35°	151	102
45°	55	44
55°	28	26
65°	18	17
75°	9	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6371.4
1°	6349.6
2°	6316.8
3°	6284.0
4°	6246.8
5°	6200.9
6°	6144.0
7°	6074.1
8°	5966.9
9°	5829.2
10°	5641.2
11°	5400.6
12°	5109.8
13°	4768.7
14°	4394.9
15°	3999.1
16°	3577.1
17°	3152.9
18°	2726.6
19°	2315.5
20°	1921.9
22.5°	1145.7
25°	680.0
26°	566.3
27°	472.3
28°	400.1
29°	341.1
30°	293.0
32.5°	207.7
35°	150.9
37.5°	113.7
40°	87.5
42.5°	67.8
45°	54.7
47.5°	45.9
50°	37.2
52.5°	32.8
55°	28.4
57.5°	24.1
60°	21.9
62.5°	19.7
65°	17.5
67.5°	15.3



TEST NUMBER: P432836

CATALOG NUMBER: LAM4B308R359730DE01021MMS

CANDELA DISTRIBUTION (continued):

	0°
75°	8.7
77.5°	6.6
80°	6.6
82.5°	4.4
85°	2.2
87.5°	0.0
90°	0.0



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— 0°-180°







70°	13.1
72.5°	10.9



(END OF REPORT)