

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: P432147

Luminaire Tested: **LAM4B108R259027DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1911-585-5)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B108R259027DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 25 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 774.9 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

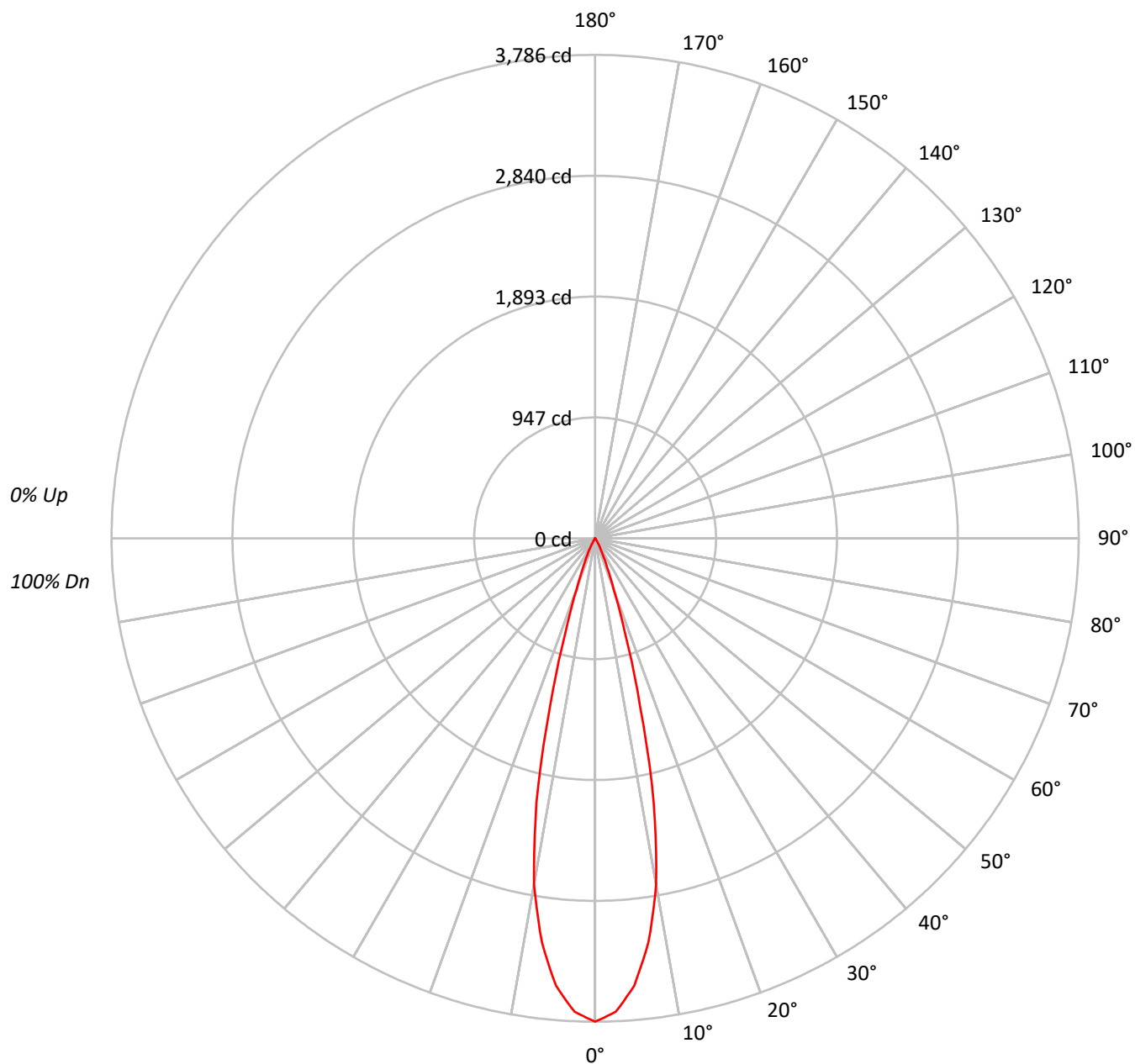
Input Watts (W): 11.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	103	110	107	104	102	104	102	100		101	99	98		98
3	109	104	101	99	107	103	100	98	101	98	96		99	96	95		96
4	106	101	97	95	104	100	97	94	98	95	93		96	94	92		94
5	103	98	94	91	102	97	93	91	95	92	90		94	91	89		92
6	100	95	91	88	99	94	91	88	93	90	87		92	89	87		91
7	98	92	88	86	97	92	88	86	91	87	85		90	87	85		89
8	96	90	86	83	95	89	86	83	88	85	83		88	85	83		87
9	94	88	84	81	93	87	84	81	86	83	81		86	83	81		85
10	91	85	82	79	91	85	82	79	84	81	79		84	81	79		83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	609858
5°	568669
10°	450312
15°	226630
20°	72726
25°	25437
30°	8520
35°	1711
40°	568
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	40.2
10°-20°	377.6	48.7
20°-30°	76.9	9.9
30°-40°	8.7	1.1
40°-50°	0.4	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	765.8	98.8
0°-40°	774.5	99.9
0°-60°	774.9	100.0
0°-90°	774.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3786	
5°	3516	311
15°	1359	378
25°	143	77
35°	9	9
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3785.5
2.5°	3712.3
5°	3516.4
7.5°	3193.2
10°	2752.7
12.5°	2121.6
15°	1358.8
17.5°	765.5
20°	424.2
22.5°	241.7
25°	143.1
27.5°	85.6
30°	45.8
32.5°	20.1
35°	8.7
37.5°	5.3
40°	2.7
42.5°	1.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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)