

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: P433403

Luminaire Tested: **LAMR4B108R259040DE010x1MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433403
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: LAMR4B108R259040DE010x1MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 25 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 887.8 lumens
Efficiency: N/A
Efficacy: 77.9 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

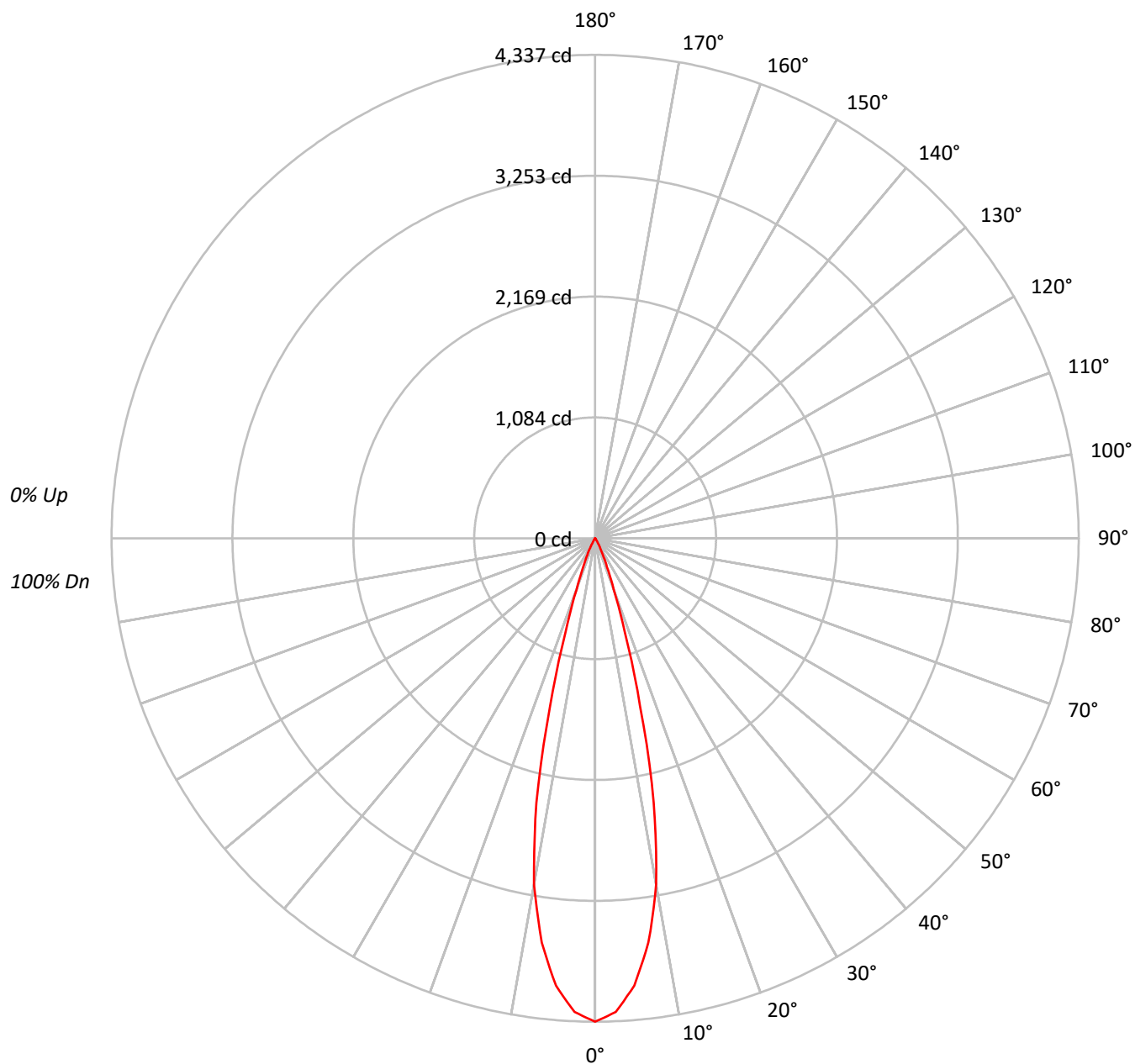
Input Watts (W): 11.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	698707
5°	651534
10°	515911
15°	259637
20°	83321
25°	29135
30°	9766
35°	1967
40°	652
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°	356.7	40.2
10°-20°	432.6	48.7
20°-30°	88.0	9.9
30°-40°	10.0	1.1
40°-50°	0.5	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°	877.3	98.8
0°-40°	887.3	99.9
0°-60°	887.8	100.0
0°-90°	887.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4337	
5°	4029	357
15°	1557	433
25°	164	88
35°	10	10
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°	4337.0
2.5°	4253.2
5°	4028.8
7.5°	3658.4
10°	3153.7
12.5°	2430.7
15°	1556.7
17.5°	877.0
20°	486.0
22.5°	276.9
25°	163.9
27.5°	98.0
30°	52.5
32.5°	23.0
35°	10.0
37.5°	6.1
40°	3.1
42.5°	1.1
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)