

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: P434513

Luminaire Tested: **LAMR4B408R609727DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2009-969-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B408R609727DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 60 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2592.4 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.89
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

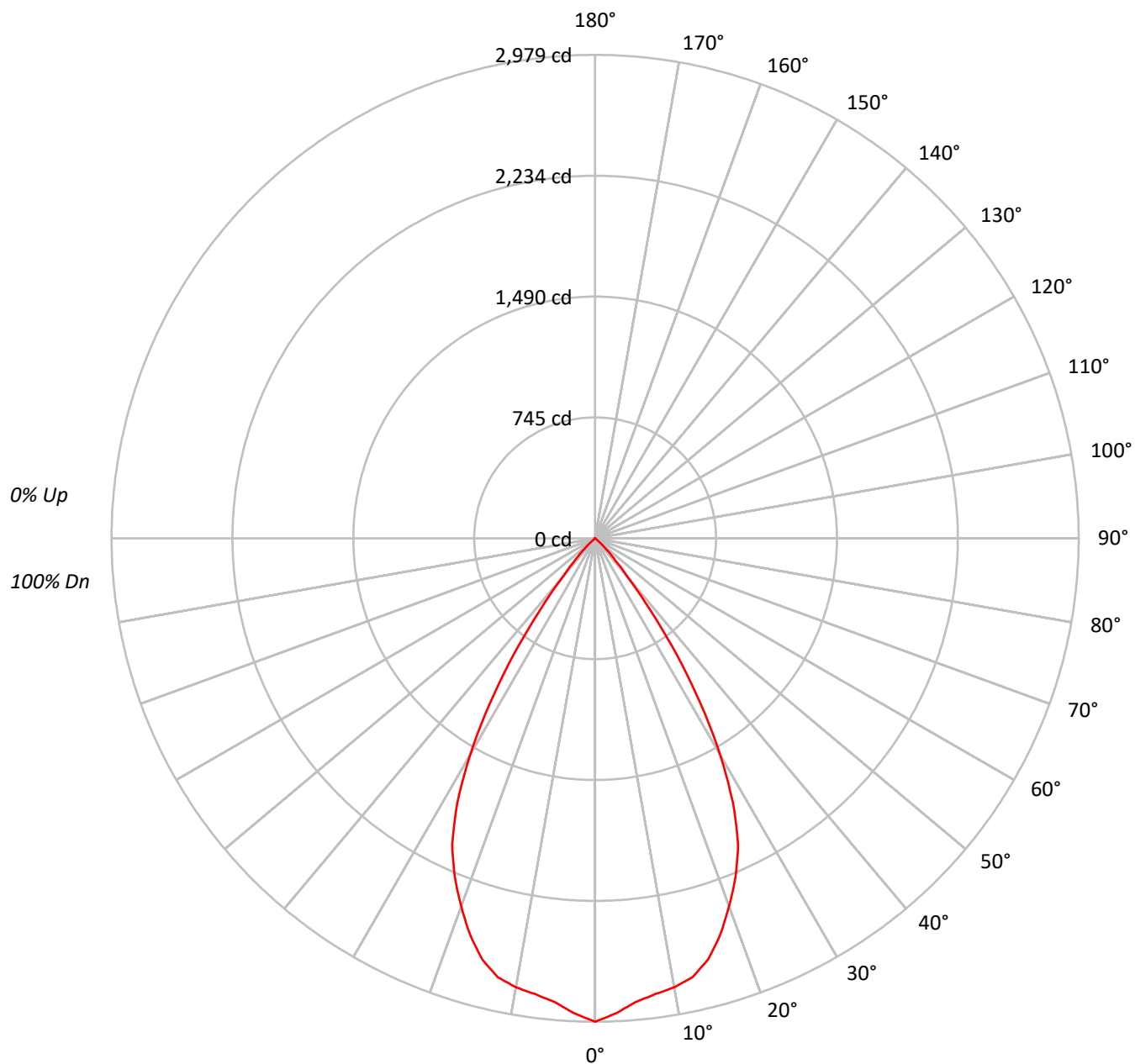
Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105		105	103	102			101	100	99			98
2	108	104	100	96	106	102	98	95		99	96	93			96	93	91			93
3	103	97	92	88	101	96	91	88		93	89	86			91	87	85			88
4	98	91	85	81	96	90	85	81		88	83	80			86	82	79			84
5	93	85	80	75	92	84	79	75		83	78	74			81	77	74			79
6	89	80	74	70	87	79	74	70		78	73	69			76	72	69			75
7	84	75	70	66	83	75	69	65		74	69	65			72	68	65			71
8	80	71	65	61	79	71	65	61		70	65	61			69	64	61			68
9	77	67	62	58	76	67	61	58		66	61	57			65	60	57			64
10	73	64	58	54	72	63	58	54		62	58	54			62	57	54			61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1469926
5°	1420616
10°	1407383
15°	1372477
20°	1266615
25°	1134279
30°	877745
35°	525812
40°	202042
45°	73821
50°	2917
55°	2150
60°	2467
65°	1518
70°	1875
75°	2478
80°	3694
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.4	10.5
10°-20°	747.5	28.8
20°-30°	932.5	36.0
30°-40°	543.3	21.0
40°-50°	90.7	3.5
50°-60°	2.4	0.1
60°-70°	1.7	0.1
70°-80°	1.4	0.1
80°-90°	0.5	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°	1952.4	75.3
0°-40°	2495.7	96.3
0°-60°	2588.7	99.9
0°-90°	2592.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2592.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2979	
5°	2868	272
15°	2687	748
25°	2084	933
35°	873	543
45°	106	91
55°	2	2
65°	1	2
75°	1	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2979.3
2.5°	2930.1
5°	2868.4
7.5°	2833.1
10°	2809.2
12.5°	2770.2
15°	2687.0
17.5°	2562.3
20°	2412.4
22.5°	2260.0
25°	2083.6
27.5°	1839.2
30°	1540.7
32.5°	1206.8
35°	873.0
37.5°	550.5
40°	313.7
42.5°	183.9
45°	105.8
47.5°	36.5
50°	3.8
52.5°	2.5
55°	2.5
57.5°	2.5
60°	2.5
62.5°	2.5
65°	1.3
67.5°	1.3
70°	1.3
72.5°	1.3
75°	1.3
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)