

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: P433268

Luminaire Tested: **LAM4B408R609730DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433268
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: LAM4B408R609730DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 60 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2777.7 lumens
Efficiency: N/A
Efficacy: 67.4 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

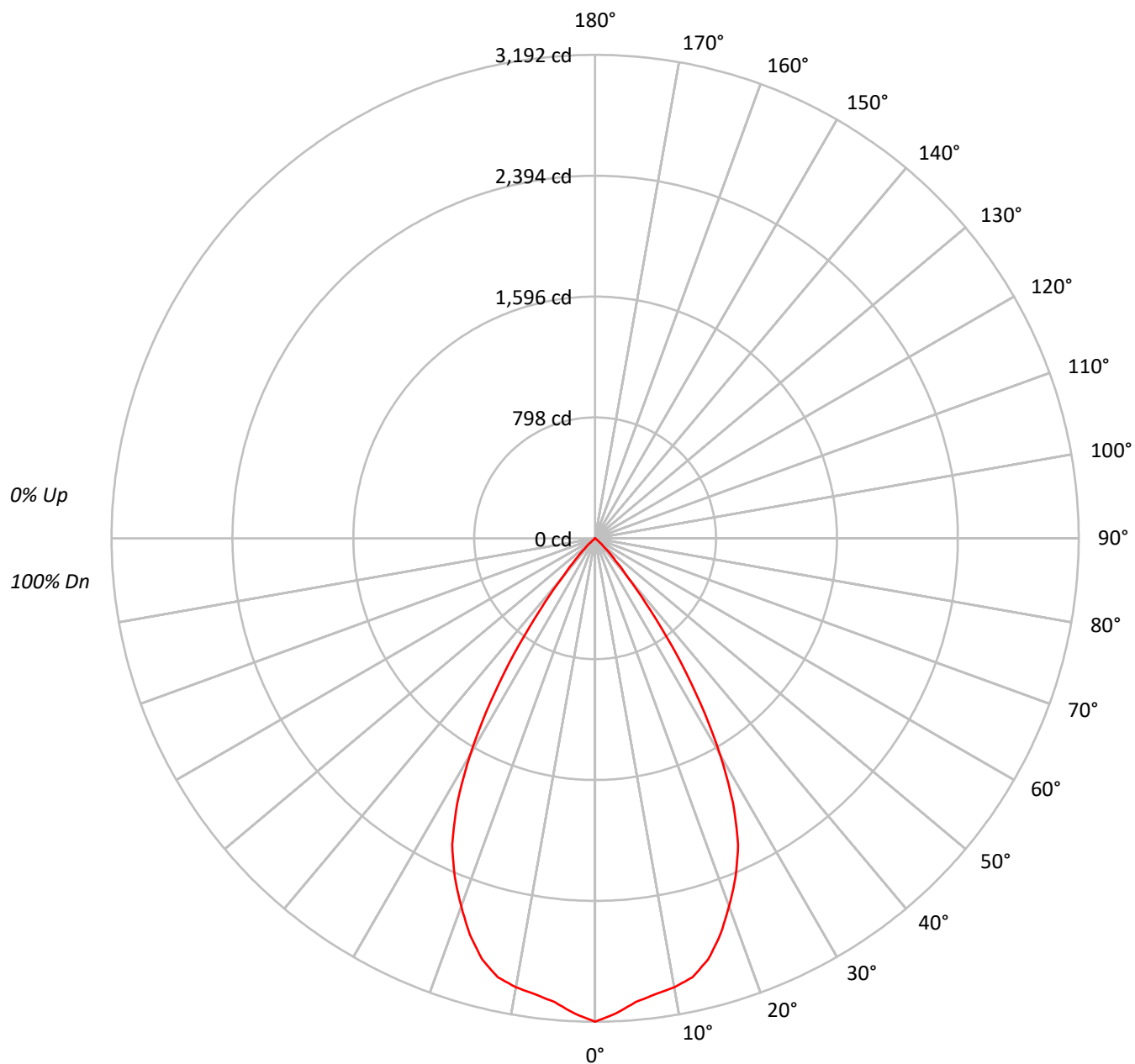
Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1575065
5°	1522244
10°	1508082
15°	1470701
20°	1357238
25°	1215446
30°	940527
35°	563457
40°	216469
45°	79124
50°	3070
55°	2322
60°	2664
65°	1518
70°	1875
75°	2478
80°	3694
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	10.5
10°-20°	801.0	28.8
20°-30°	999.3	36.0
30°-40°	582.1	21.0
40°-50°	97.2	3.5
50°-60°	2.6	0.1
60°-70°	1.8	0.1
70°-80°	1.4	0.0
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°	2092.1	75.3
0°-40°	2674.3	96.3
0°-60°	2774.0	99.9
0°-90°	2777.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2777.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3192	
5°	3074	292
15°	2879	801
25°	2233	999
35°	936	582
45°	113	97
55°	3	3
65°	1	2
75°	1	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3192.4
2.5°	3139.8
5°	3073.6
7.5°	3035.9
10°	3010.2
12.5°	2968.4
15°	2879.3
17.5°	2745.6
20°	2585.0
22.5°	2421.7
25°	2232.7
27.5°	1970.8
30°	1650.9
32.5°	1293.2
35°	935.5
37.5°	589.9
40°	336.1
42.5°	197.1
45°	113.4
47.5°	39.1
50°	4.0
52.5°	2.7
55°	2.7
57.5°	2.7
60°	2.7
62.5°	2.7
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)