

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: P432879

Luminaire Tested: **LAM4B308R459050DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-8)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B308R459050DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 45 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2804.4 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.66
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

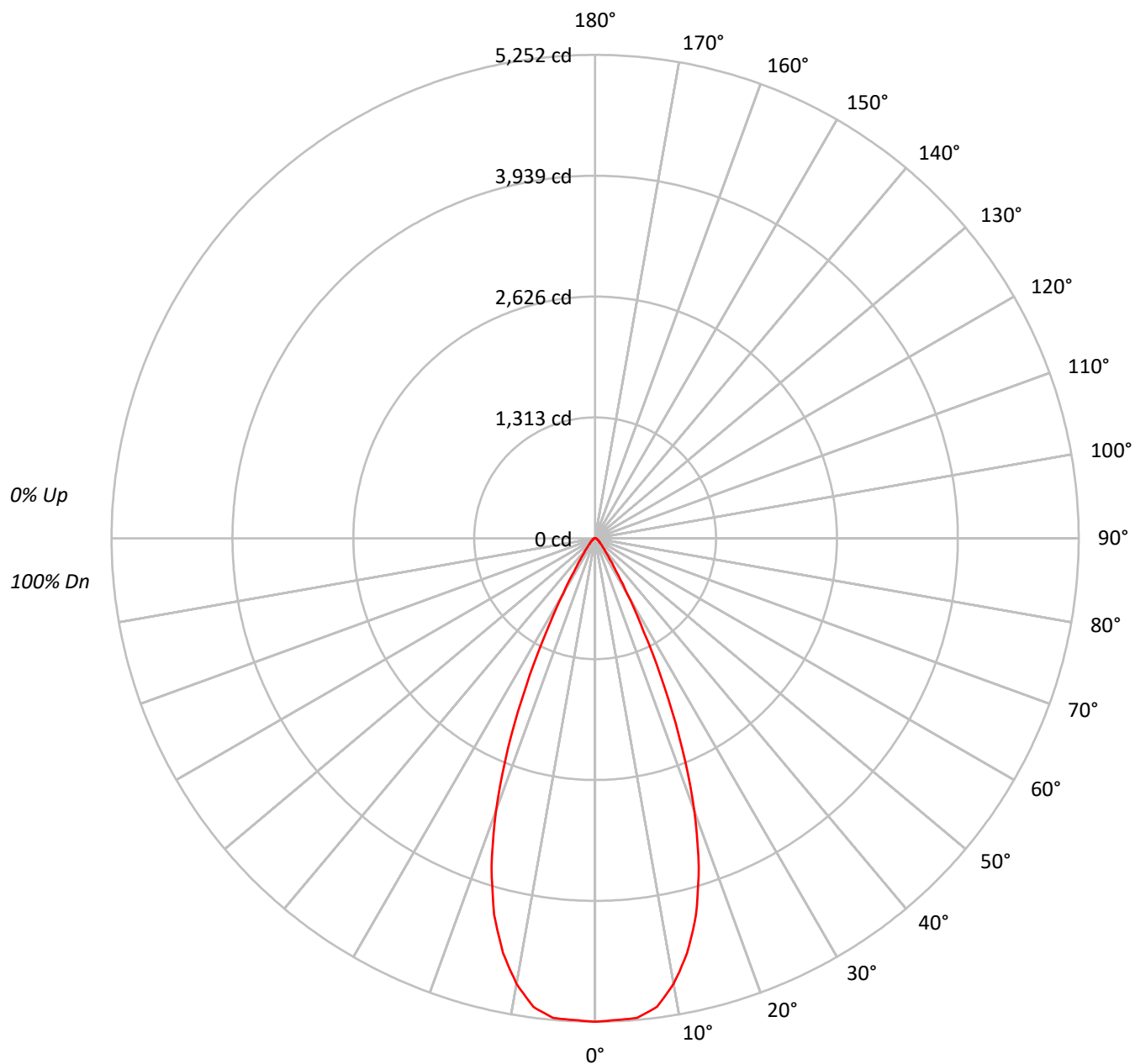
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	79	76	91	84	79	75	82	78	75		81	77	74		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74
9	82	74	69	65	81	73	68	65	72	68	65		72	68	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2591476
5°	2590578
10°	2462369
15°	2163017
20°	1654675
25°	965955
30°	395376
35°	167200
40°	91135
45°	58890
50°	45977
55°	39826
60°	32267
65°	25450
70°	23513
75°	20778
80°	23298
85°	15284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.5	17.5
10°-20°	1152.9	41.1
20°-30°	812.3	29.0
30°-40°	199.9	7.1
40°-50°	69.8	2.5
50°-60°	41.3	1.5
60°-70°	22.9	0.8
70°-80°	12.6	0.4
80°-90°	3.3	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°	2454.6	87.5
0°-40°	2654.6	94.7
0°-60°	2765.6	98.6
0°-90°	2804.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2804.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5252	
5°	5231	489
15°	4235	1153
25°	1774	812
35°	278	200
45°	84	70
55°	46	41
65°	22	23
75°	11	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5252.5
2.5°	5238.9
5°	5230.7
7.5°	5135.5
10°	4915.0
12.5°	4615.7
15°	4234.7
17.5°	3742.1
20°	3151.5
22.5°	2473.8
25°	1774.4
27.5°	1145.8
30°	694.0
32.5°	421.8
35°	277.6
37.5°	195.9
40°	141.5
42.5°	108.9
45°	84.4
47.5°	70.8
50°	59.9
52.5°	51.7
55°	46.3
57.5°	40.8
60°	32.7
62.5°	27.2
65°	21.8
67.5°	19.1
70°	16.3
72.5°	13.6
75°	10.9
77.5°	10.9
80°	8.2
82.5°	5.4
85°	2.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)