

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: P432827

Luminaire Tested: **LAM4B308R359040DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-6)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B308R359040DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2647.5 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.51
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

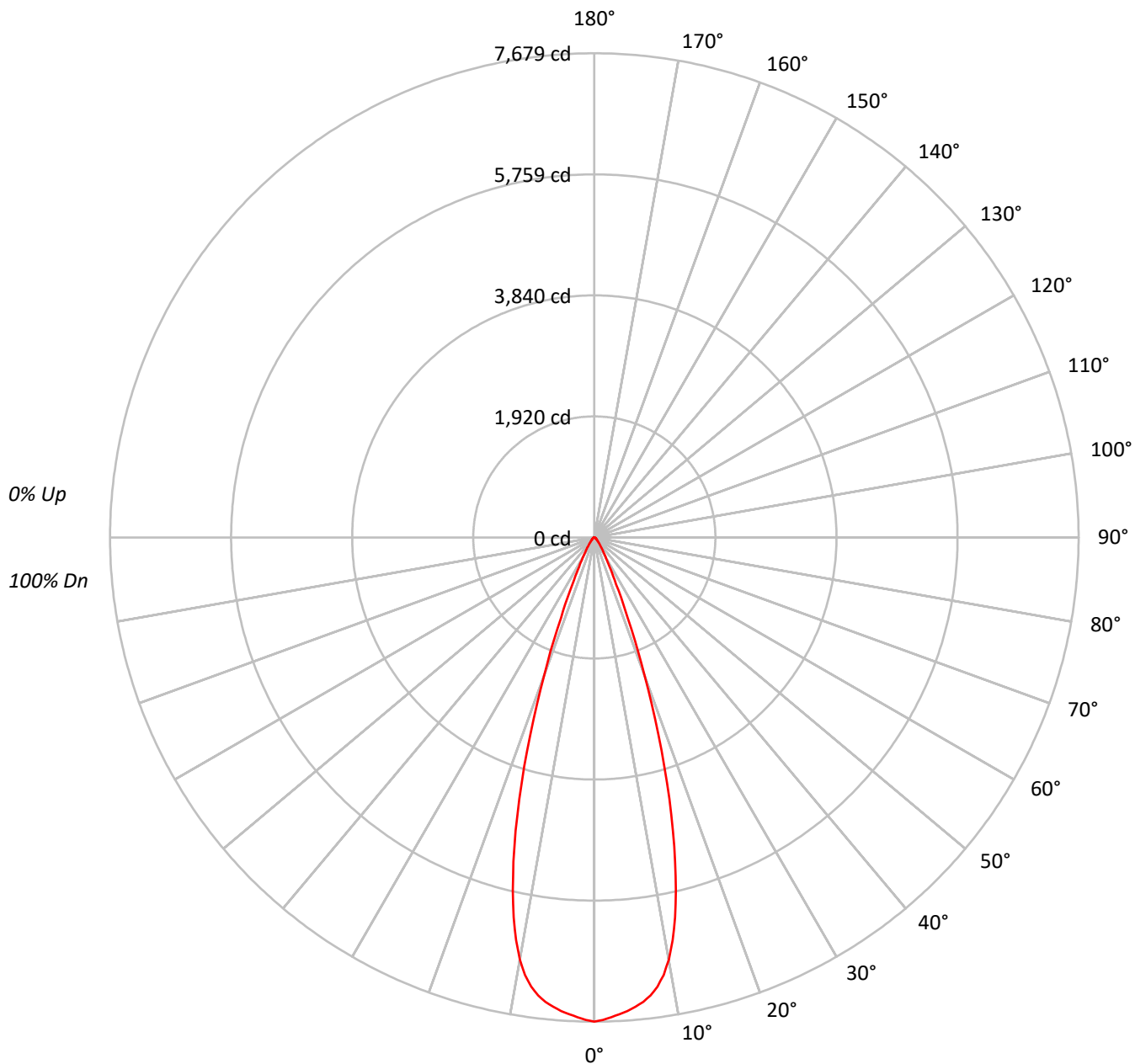
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	108	112	110	108	106	106	105	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		93
4	102	96	92	89	101	95	91	88	93	90	87		91	88	86		90
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87
6	96	89	84	81	94	88	84	80	87	83	80		85	82	79		84
7	92	85	81	77	91	85	80	77	84	80	77		82	79	76		81
8	90	82	78	74	88	82	77	74	81	77	74		80	76	74		79
9	87	79	75	72	86	79	75	72	78	74	71		77	74	71		77
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3788711
5°	3701406
10°	3406186
15°	2461928
20°	1216211
25°	446177
30°	201163
35°	109499
40°	67884
45°	45981
50°	34387
55°	29504
60°	26050
65°	24633
70°	22792
75°	20016
80°	22446
85°	14718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.4	26.2
10°-20°	1269.1	47.9
20°-30°	441.9	16.7
30°-40°	122.4	4.6
40°-50°	53.2	2.0
50°-60°	30.9	1.2
60°-70°	20.9	0.8
70°-80°	11.5	0.4
80°-90°	3.2	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°	2405.5	90.9
0°-40°	2527.9	95.5
0°-60°	2612.0	98.7
0°-90°	2647.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2647.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7679	
5°	7474	694
15°	4820	1269
25°	820	442
35°	182	122
45°	66	53
55°	34	31
65°	21	21
75°	10	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7679.1
1°	7652.8
2°	7613.2
3°	7573.7
4°	7528.9
5°	7473.6
6°	7405.1
7°	7320.7
8°	7191.6
9°	7025.6
10°	6798.9
11°	6509.1
12°	6158.6
13°	5747.5
14°	5296.9
15°	4819.9
16°	4311.3
17°	3800.0
18°	3286.2
19°	2790.7
20°	2316.4
22.5°	1380.9
25°	819.6
26°	682.5
27°	569.2
28°	482.3
29°	411.1
30°	353.1
32.5°	250.3
35°	181.8
37.5°	137.0
40°	105.4
42.5°	81.7
45°	65.9
47.5°	55.3
50°	44.8
52.5°	39.5
55°	34.3
57.5°	29.0
60°	26.4
62.5°	23.7
65°	21.1
67.5°	18.4



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CANDELA DISTRIBUTION (continued):

	0°
75°	10.5
77.5°	7.9
80°	7.9
82.5°	5.3
85°	2.6
87.5°	0.0
90°	0.0



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— 0°-180°







70°	15.8
72.5°	13.2



(END OF REPORT)