

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: P432519

Luminaire Tested: **LAM4B208R359050DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432519
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: LAM4B208R359050DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1824.6 lumens
Efficiency: N/A
Efficacy: 88.6 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

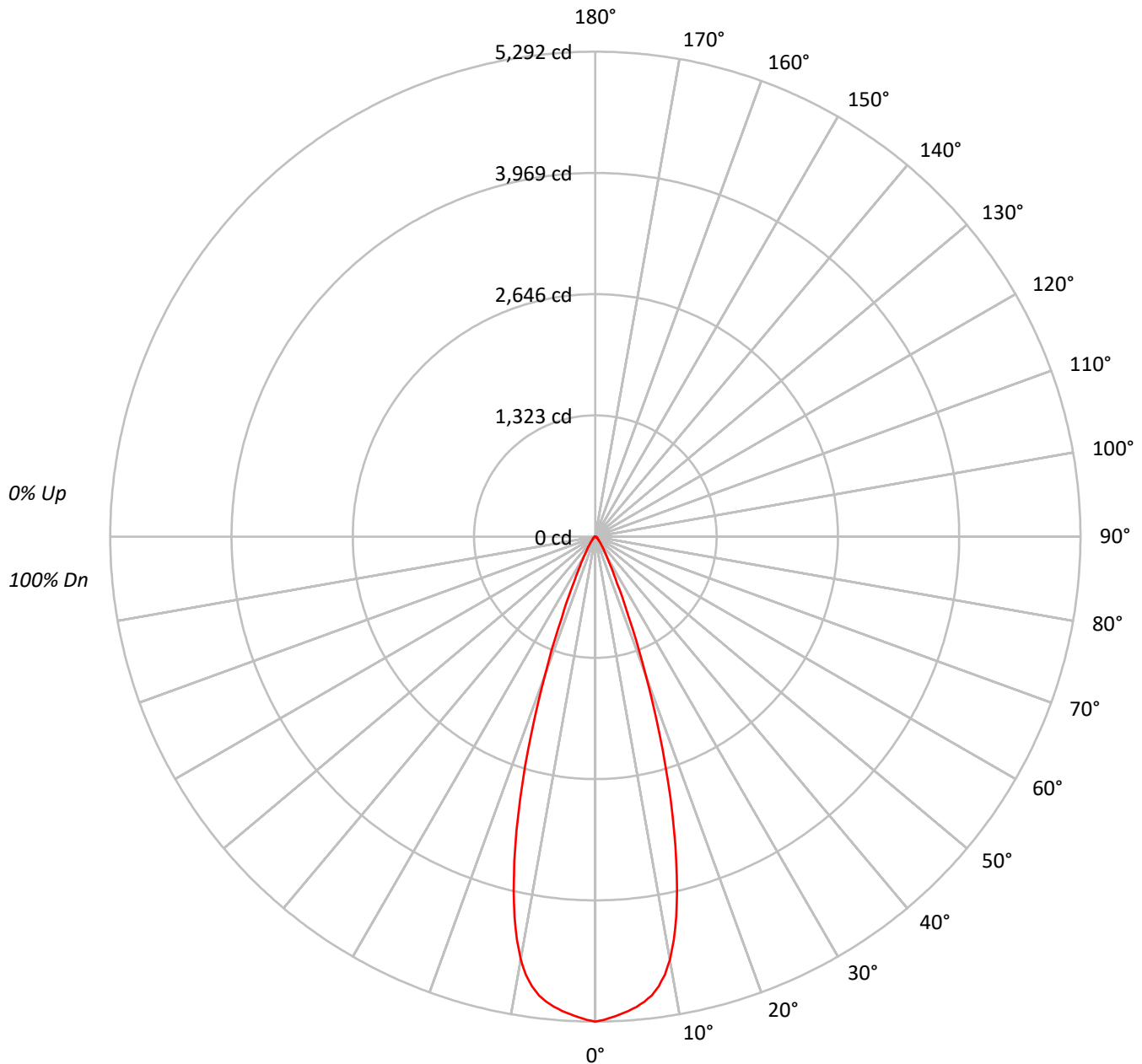
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2611211
5°	2551056
10°	2347592
15°	1696774
20°	838232
25°	307523
30°	138666
35°	75469
40°	46759
45°	31678
50°	23718
55°	20300
60°	17959
65°	16928
70°	15724
75°	13916
80°	15343
85°	10190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.6	26.2
10°-20°	874.7	47.9
20°-30°	304.5	16.7
30°-40°	84.4	4.6
40°-50°	36.7	2.0
50°-60°	21.3	1.2
60°-70°	14.4	0.8
70°-80°	7.9	0.4
80°-90°	2.2	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°	1657.9	90.9
0°-40°	1742.2	95.5
0°-60°	1800.2	98.7
0°-90°	1824.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1824.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5292	
5°	5151	479
15°	3322	875
25°	565	305
35°	125	84
45°	45	37
55°	24	21
65°	14	14
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5292.5
1°	5274.4
2°	5247.1
3°	5219.9
4°	5189.0
5°	5150.9
6°	5103.6
7°	5045.5
8°	4956.5
9°	4842.1
10°	4685.9
11°	4486.1
12°	4244.6
13°	3961.2
14°	3650.6
15°	3321.9
16°	2971.4
17°	2619.0
18°	2264.9
19°	1923.4
20°	1596.5
22.5°	951.7
25°	564.9
26°	470.4
27°	392.3
28°	332.4
29°	283.3
30°	243.4
32.5°	172.5
35°	125.3
37.5°	94.4
40°	72.6
42.5°	56.3
45°	45.4
47.5°	38.1
50°	30.9
52.5°	27.2
55°	23.6
57.5°	20.0
60°	18.2
62.5°	16.3
65°	14.5
67.5°	12.7



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CANDELA DISTRIBUTION (continued):

	0°
75°	7.3
77.5°	5.4
80°	5.4
82.5°	3.6
85°	1.8
87.5°	0.0
90°	0.0



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— 0°-180°







70°	10.9
72.5°	9.1



(END OF REPORT)