

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: P432513

Luminaire Tested: **LAM4B208R359035DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432513
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: LAM4B208R359035DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1636.2 lumens
Efficiency: N/A
Efficacy: 79.4 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

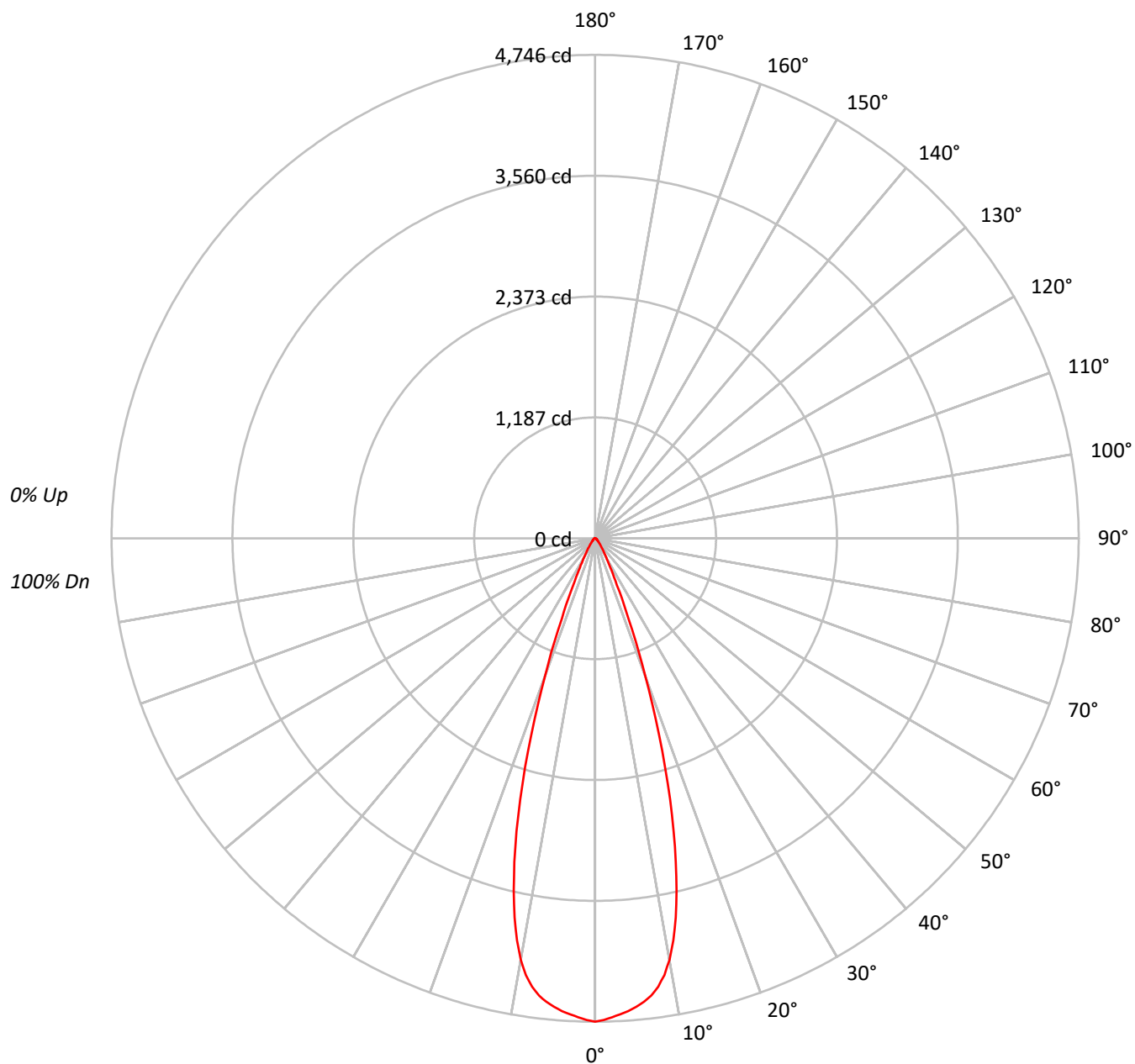
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2341481
5°	2287477
10°	2105063
15°	1521473
20°	751600
25°	275731
30°	124310
35°	67699
40°	41928
45°	28398
50°	21261
55°	18236
60°	16084
65°	15177
70°	14137
75°	12391
80°	13922
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.2	26.2
10°-20°	784.3	47.9
20°-30°	273.1	16.7
30°-40°	75.7	4.6
40°-50°	32.9	2.0
50°-60°	19.1	1.2
60°-70°	12.9	0.8
70°-80°	7.1	0.4
80°-90°	2.0	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°	1486.6	90.9
0°-40°	1562.3	95.5
0°-60°	1614.2	98.7
0°-90°	1636.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1636.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4746	
5°	4619	429
15°	2979	784
25°	506	273
35°	112	76
45°	41	33
55°	21	19
65°	13	13
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4745.8
1°	4729.5
2°	4705.0
3°	4680.6
4°	4652.9
5°	4618.7
6°	4576.4
7°	4524.3
8°	4444.5
9°	4341.9
10°	4201.8
11°	4022.7
12°	3806.0
13°	3552.0
14°	3273.5
15°	2978.7
16°	2664.4
17°	2348.4
18°	2030.9
19°	1724.7
20°	1431.5
22.5°	853.4
25°	506.5
26°	421.8
27°	351.8
28°	298.0
29°	254.1
30°	218.2
32.5°	154.7
35°	112.4
37.5°	84.7
40°	65.1
42.5°	50.5
45°	40.7
47.5°	34.2
50°	27.7
52.5°	24.4
55°	21.2
57.5°	17.9
60°	16.3
62.5°	14.7
65°	13.0
67.5°	11.4



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CANDELA DISTRIBUTION (continued):

	0°
75°	6.5
77.5°	4.9
80°	4.9
82.5°	3.3
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







70°	9.8
72.5°	8.1



(END OF REPORT)