

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: P432524

Luminaire Tested: **LAM4B208R359730DE010x1MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432524
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: LAM4B208R359730DE010x1MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1443.6 lumens
Efficiency: N/A
Efficacy: 70.1 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

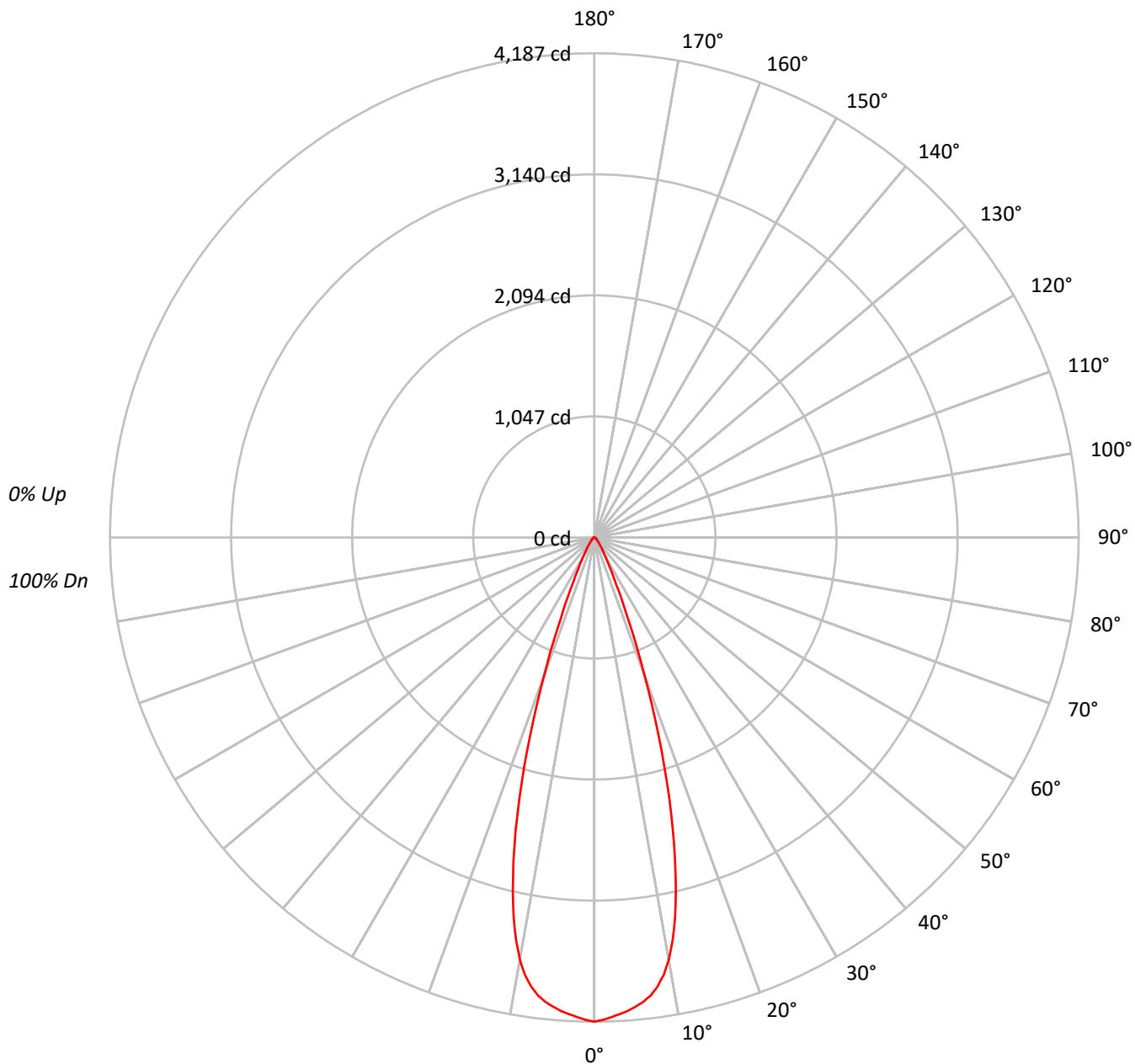
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2065879
5°	2018251
10°	1857323
15°	1342392
20°	663183
25°	243285
30°	109668
35°	59688
40°	37034
45°	25049
50°	18729
55°	16085
60°	14209
65°	13426
70°	12406
75°	10866
80°	12217
85°	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.7	26.2
10°-20°	692.0	47.9
20°-30°	240.9	16.7
30°-40°	66.8	4.6
40°-50°	29.0	2.0
50°-60°	16.8	1.2
60°-70°	11.4	0.8
70°-80°	6.2	0.4
80°-90°	1.8	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°	1311.6	90.9
0°-40°	1378.4	95.5
0°-60°	1424.2	98.7
0°-90°	1443.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1443.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4187	
5°	4075	379
15°	2628	692
25°	447	241
35°	99	67
45°	36	29
55°	19	17
65°	12	11
75°	6	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4187.2
1°	4172.8
2°	4151.3
3°	4129.7
4°	4105.3
5°	4075.1
6°	4037.7
7°	3991.8
8°	3921.4
9°	3830.8
10°	3707.3
11°	3549.2
12°	3358.1
13°	3133.9
14°	2888.2
15°	2628.1
16°	2350.8
17°	2072.0
18°	1791.8
19°	1521.7
20°	1263.1
22.5°	752.9
25°	446.9
26°	372.2
27°	310.4
28°	263.0
29°	224.2
30°	192.5
32.5°	136.5
35°	99.1
37.5°	74.7
40°	57.5
42.5°	44.5
45°	35.9
47.5°	30.2
50°	24.4
52.5°	21.6
55°	18.7
57.5°	15.8
60°	14.4
62.5°	12.9
65°	11.5
67.5°	10.1



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CANDELA DISTRIBUTION (continued):

	0°
75°	5.7
77.5°	4.3
80°	4.3
82.5°	2.9
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







70°	8.6
72.5°	7.2



(END OF REPORT)