

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: P433920

Luminaire Tested: **LAMR4B208R709024DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-857-14)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B208R709024DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 70 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1364.8 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

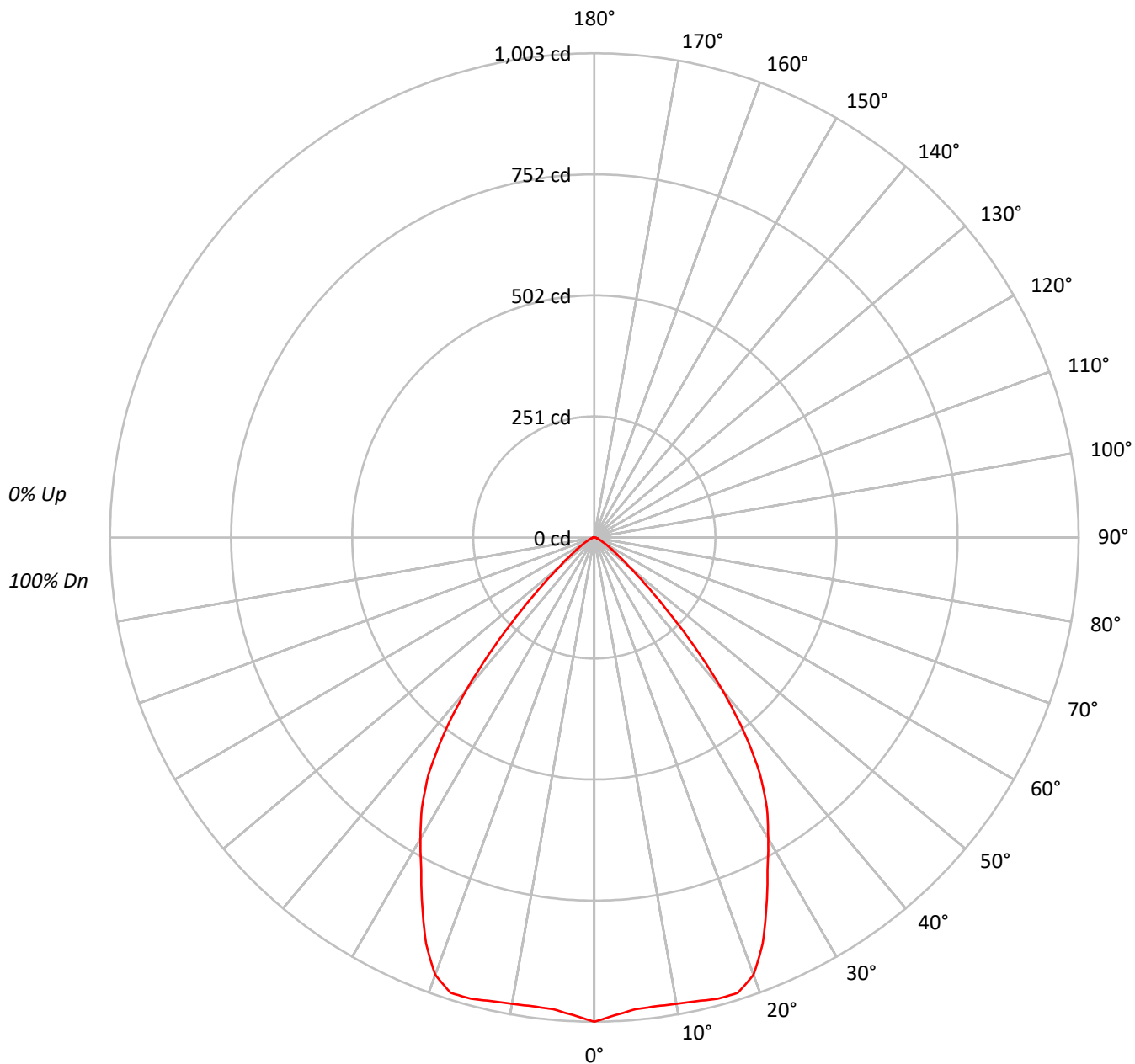
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	92	104	99	95	91	96	92	89		93	90	87		90
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84
4	94	85	79	74	92	84	78	74	82	77	73		80	76	72		78
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63
8	74	63	57	52	73	63	56	52	62	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	494958
5°	485755
10°	491372
15°	505268
20°	506142
25°	459188
30°	410302
35°	360359
40°	265289
45°	148619
50°	73149
55°	40945
60°	24866
65°	16344
70°	12117
75°	10675
80°	7956
85°	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	6.9
10°-20°	278.7	20.4
20°-30°	386.8	28.3
30°-40°	363.9	26.7
40°-50°	173.7	12.7
50°-60°	45.9	3.4
60°-70°	14.5	1.1
70°-80°	5.9	0.4
80°-90°	1.5	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°	759.3	55.6
0°-40°	1123.2	82.3
0°-60°	1342.9	98.4
0°-90°	1364.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1364.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1003	
5°	981	94
15°	989	279
25°	844	387
35°	598	364
45°	213	174
55°	48	46
65°	14	14
75°	6	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1003.2
2.5°	990.6
5°	980.8
7.5°	979.4
10°	980.8
12.5°	983.6
15°	989.2
17.5°	989.2
20°	964.0
22.5°	910.7
25°	843.5
27.5°	776.2
30°	720.2
32.5°	665.5
35°	598.3
37.5°	511.4
40°	411.9
42.5°	306.8
45°	213.0
47.5°	141.5
50°	95.3
52.5°	65.9
55°	47.6
57.5°	33.6
60°	25.2
62.5°	18.2
65°	14.0
67.5°	9.8
70°	8.4
72.5°	7.0
75°	5.6
77.5°	4.2
80°	2.8
82.5°	2.8
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)