

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: P434214

Luminaire Tested: **LAMR4B308R659030DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-22)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R659030DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 65 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2314.4 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.97
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

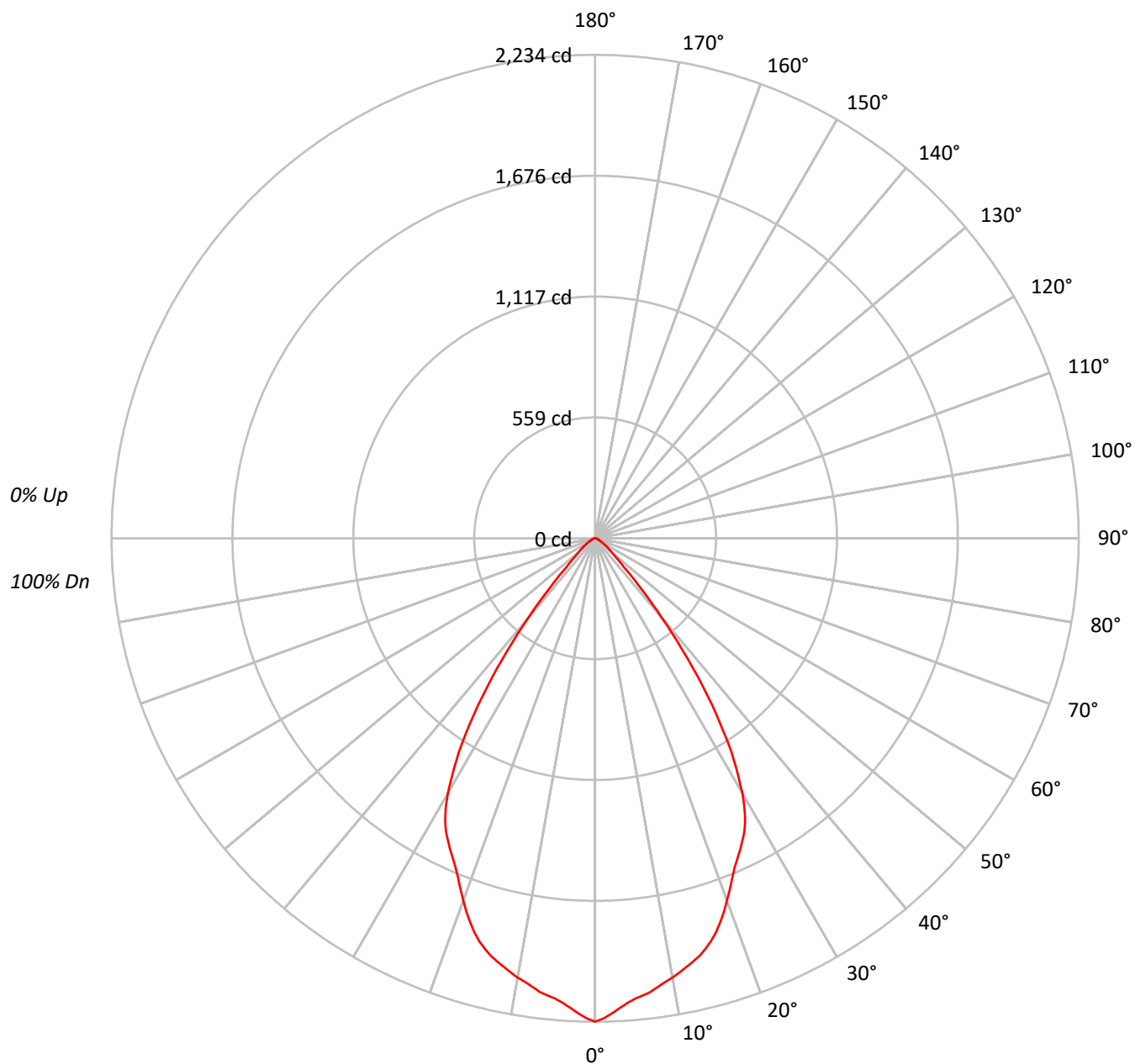
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P434214

CATALOG NUMBER: LAMR4B308R659030DE01021MW

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	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	81	75	71	89	81	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1102161
5°	1057686
10°	1032642
15°	1003793
20°	934788
25°	863448
30°	775085
35°	569419
40°	307539
45°	132292
50°	73686
55°	51611
60°	33155
65°	25217
70°	20773
75°	18300
80°	20457
85°	13586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.8	8.7
10°-20°	548.3	23.7
20°-30°	726.9	31.4
30°-40°	575.7	24.9
40°-50°	171.5	7.4
50°-60°	54.9	2.4
60°-70°	21.9	0.9
70°-80°	10.4	0.5
80°-90°	2.9	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°	1477.1	63.8
0°-40°	2052.8	88.7
0°-60°	2279.1	98.5
0°-90°	2314.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2314.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2234	
5°	2136	202
15°	1965	548
25°	1586	727
35°	945	576
45°	190	171
55°	60	55
65°	22	22
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2233.9
1°	2219.5
2°	2197.9
3°	2173.9
4°	2152.4
5°	2135.6
6°	2123.6
7°	2111.6
8°	2092.4
9°	2075.6
10°	2061.2
11°	2044.4
12°	2025.2
13°	2008.4
14°	1989.2
15°	1965.2
16°	1938.8
17°	1905.2
18°	1866.8
19°	1826.0
20°	1780.4
21°	1737.2
22°	1691.6
23°	1650.9
24°	1617.3
25°	1586.1
26°	1552.5
27°	1518.9
28°	1475.7
29°	1422.9
30°	1360.5
32.5°	1171.0
35°	945.4
37.5°	700.7
40°	477.5
42.5°	302.3
45°	189.6
47.5°	127.2
50°	96.0
52.5°	76.8
55°	60.0
57.5°	45.6
60°	33.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.8
70°	14.4
72.5°	12.0
75°	9.6
77.5°	7.2
80°	7.2
82.5°	4.8
85°	2.4
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°	26.4
65°	21.6



(END OF REPORT)