

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: P434210

Luminaire Tested: **LAMR4B308R659027DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434210
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: LAMR4B308R659027DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 65 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2250.2 lumens
Efficiency: N/A
Efficacy: 70.5 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

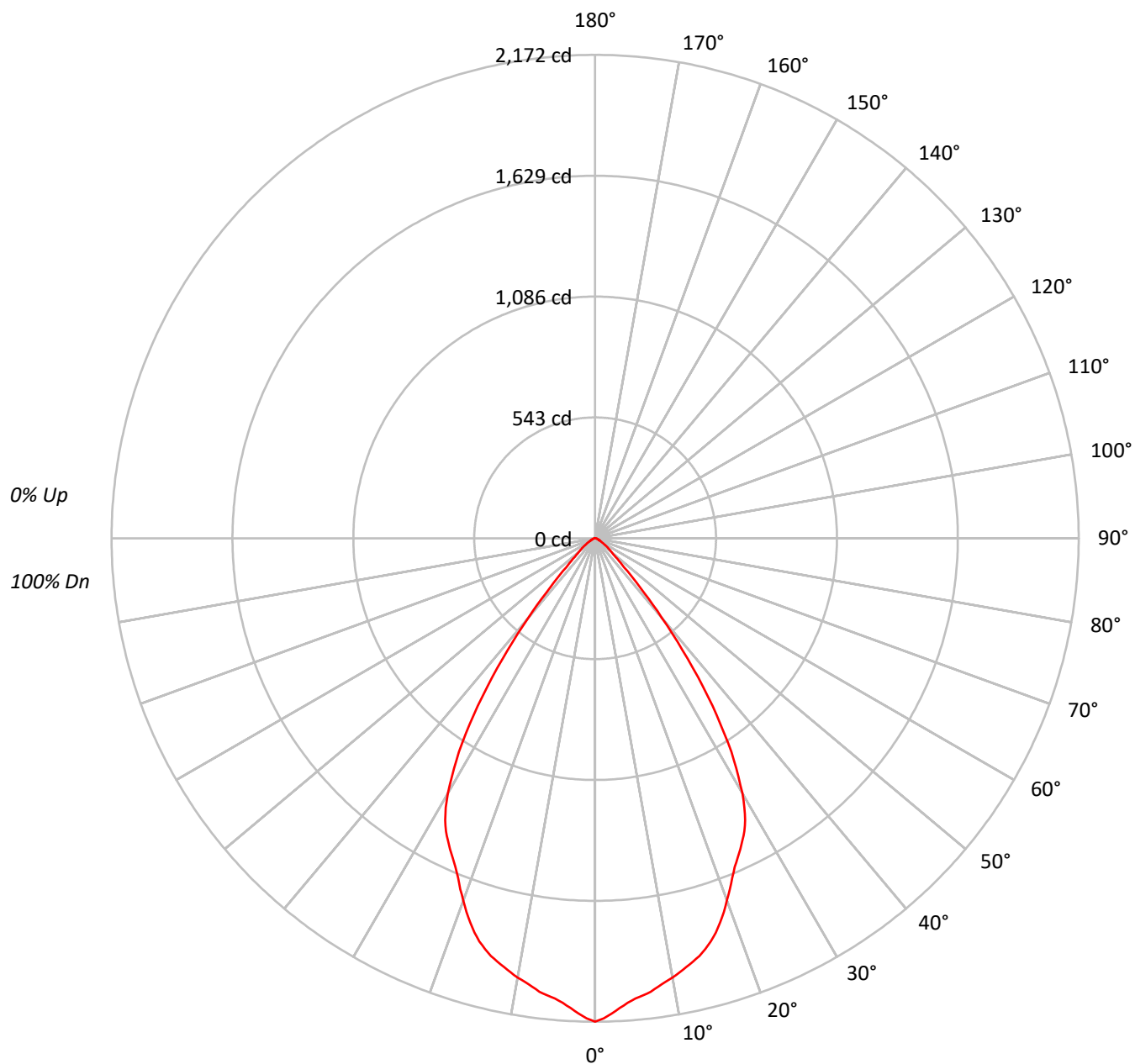
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P434210

CATALOG NUMBER: LAMR4B308R659027DE01021MMS

Luminous Intensity Polar Plot





TEST NUMBER: P434210

CATALOG NUMBER: LAMR4B308R659027DE01021MMS

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	82	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°	1071620
5°	1028317
10°	1003985
15°	975955
20°	908903
25°	839495
30°	753607
35°	553639
40°	299038
45°	128594
50°	71614
55°	50149
60°	32267
65°	24516
70°	20196
75°	17728
80°	19889
85°	13020



TEST NUMBER: P434210

CATALOG NUMBER: LAMR4B308R659027DE01021MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.2	8.7
10°-20°	533.1	23.7
20°-30°	706.8	31.4
30°-40°	559.7	24.9
40°-50°	166.7	7.4
50°-60°	53.4	2.4
60°-70°	21.3	0.9
70°-80°	10.2	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°	1436.1	63.8
0°-40°	1995.8	88.7
0°-60°	2215.9	98.5
0°-90°	2250.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2250.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2172	
5°	2076	196
15°	1911	533
25°	1542	707
35°	919	560
45°	184	167
55°	58	53
65°	21	21
75°	9	10
85°	2	3
90°	0	



TEST NUMBER: P434210

CATALOG NUMBER: LAMR4B308R659027DE01021MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2172.0
1°	2158.0
2°	2137.0
3°	2113.7
4°	2092.7
5°	2076.3
6°	2064.7
7°	2053.0
8°	2034.3
9°	2018.0
10°	2004.0
11°	1987.7
12°	1969.0
13°	1952.7
14°	1934.0
15°	1910.7
16°	1885.0
17°	1852.4
18°	1815.0
19°	1775.4
20°	1731.1
21°	1689.1
22°	1644.7
23°	1605.1
24°	1572.4
25°	1542.1
26°	1509.4
27°	1476.8
28°	1434.8
29°	1383.4
30°	1322.8
32.5°	1138.5
35°	919.2
37.5°	681.2
40°	464.3
42.5°	294.0
45°	184.3
47.5°	123.6
50°	93.3
52.5°	74.7
55°	58.3
57.5°	44.3
60°	32.7



TEST NUMBER: P434210

CATALOG NUMBER: LAMR4B308R659027DE01021MMS

CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.3
70°	14.0
72.5°	11.7
75°	9.3
77.5°	7.0
80°	7.0
82.5°	4.7
85°	2.3
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







62.5°	25.7
65°	21.0



(END OF REPORT)