

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: P434204

Luminaire Tested: **LAMR4B308R609730DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2009-969-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R609730DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 60 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2092.6 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.89
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

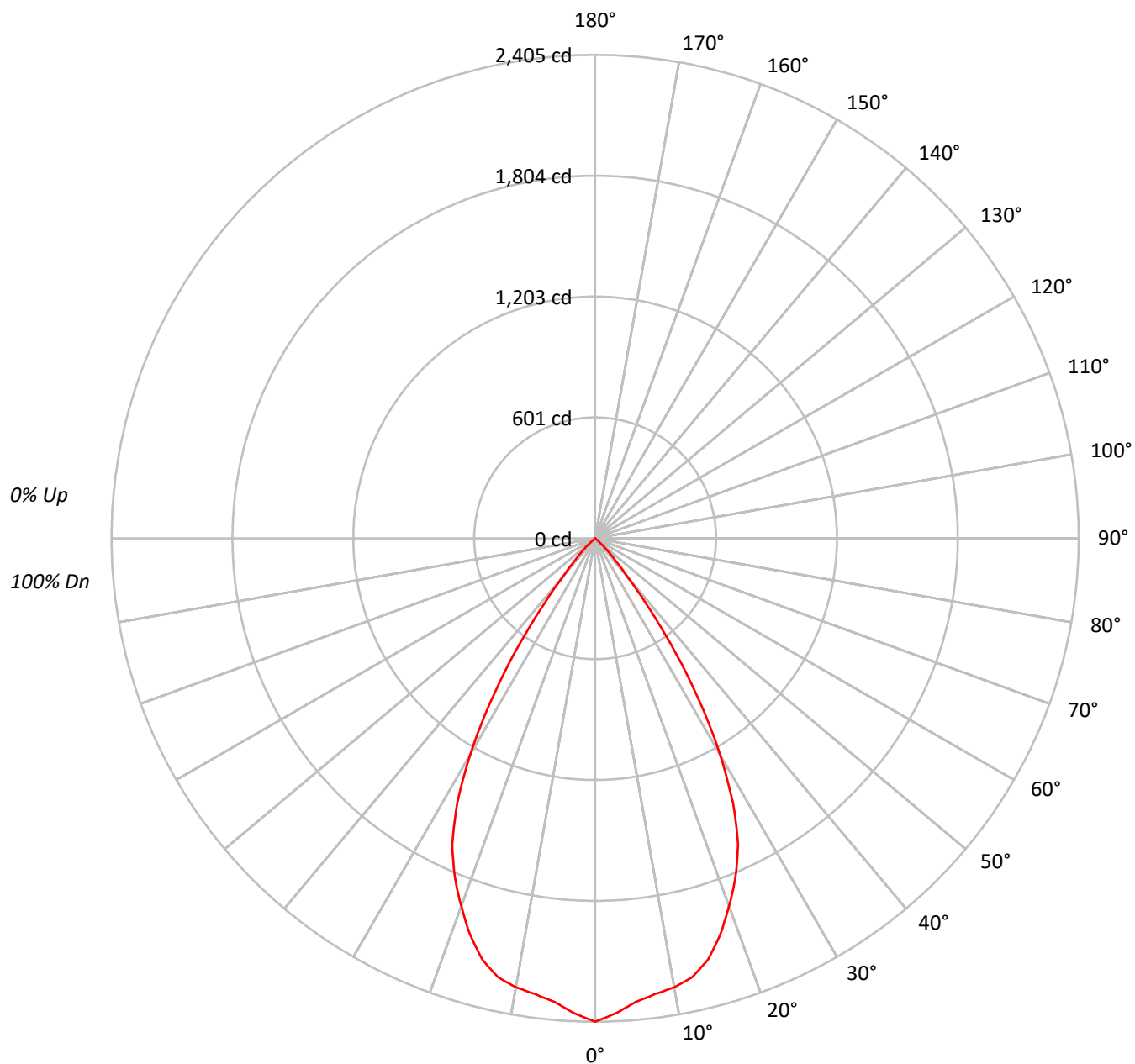
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P434204

CATALOG NUMBER: LAMR4B308R609730DE01021MMS

Luminous Intensity Polar Plot





TEST NUMBER: P434204

CATALOG NUMBER: LAMR4B308R609730DE01021MMS

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	111	109	106	111	109	107	105		105	103	102			101	100	99			98
2	108	104	100	96	106	102	98	95		99	96	93			96	93	91			93
3	103	97	92	88	101	96	91	88		93	89	86			91	87	85			88
4	98	91	85	81	96	90	85	81		88	83	80			86	82	79			84
5	93	85	80	75	92	84	79	75		83	78	74			81	77	74			79
6	89	80	74	70	87	79	74	70		78	73	69			76	72	69			75
7	84	75	70	66	83	75	69	65		74	69	65			72	68	65			71
8	80	71	65	61	79	71	65	61		70	65	61			69	64	61			68
9	77	67	62	58	76	67	61	58		66	61	57			65	60	57			64
10	73	64	58	54	72	63	58	54		62	58	54			62	57	54			61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1186627
5°	1146834
10°	1136147
15°	1107993
20°	1022522
25°	915654
30°	708543
35°	424444
40°	163076
45°	59587
50°	2379
55°	1720
60°	1974
65°	1167
70°	1443
75°	1906
80°	2841
85°	0



TEST NUMBER: P434204

CATALOG NUMBER: LAMR4B308R609730DE01021MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.9	10.5
10°-20°	603.4	28.8
20°-30°	752.8	36.0
30°-40°	438.5	21.0
40°-50°	73.2	3.5
50°-60°	1.9	0.1
60°-70°	1.4	0.1
70°-80°	1.1	0.1
80°-90°	0.4	0.0
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°	1576.1	75.3
0°-40°	2014.7	96.3
0°-60°	2089.8	99.9
0°-90°	2092.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2092.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2405	
5°	2316	220
15°	2169	603
25°	1682	753
35°	705	439
45°	85	73
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P434204

CATALOG NUMBER: LAMR4B308R609730DE01021MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2405.1
2.5°	2365.4
5°	2315.6
7.5°	2287.1
10°	2267.8
12.5°	2236.3
15°	2169.2
17.5°	2068.5
20°	1947.5
22.5°	1824.4
25°	1682.0
27.5°	1484.8
30°	1243.7
32.5°	974.2
35°	704.7
37.5°	444.4
40°	253.2
42.5°	148.5
45°	85.4
47.5°	29.5
50°	3.1
52.5°	2.0
55°	2.0
57.5°	2.0
60°	2.0
62.5°	2.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)