

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: P434193

Luminaire Tested: **LAMR4B308R609035DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434193
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: LAMR4B308R609035DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 60 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2372.0 lumens
Efficiency: N/A
Efficacy: 74.4 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

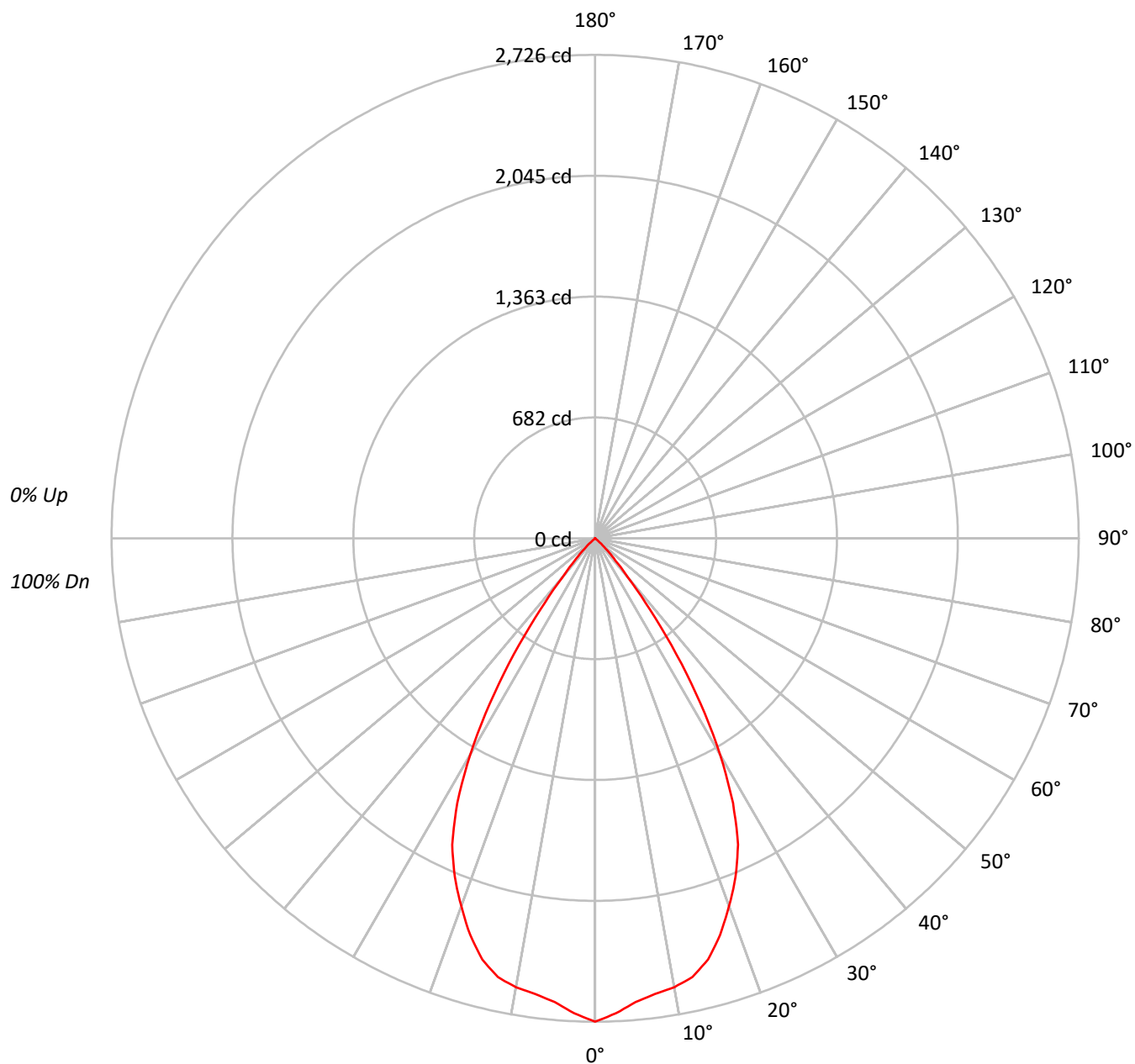
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P434193

CATALOG NUMBER: LAMR4B308R609035DE01021MW

Luminous Intensity Polar Plot





TEST NUMBER: P434193

CATALOG NUMBER: LAMR4B308R609035DE01021MW

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°	1344903
5°	1299821
10°	1287696
15°	1255763
20°	1158929
25°	1037814
30°	803057
35°	481121
40°	184846
45°	67542
50°	2686
55°	1978
60°	2270
65°	1401
70°	1731
75°	2288
80°	3410
85°	0



TEST NUMBER: P434193

CATALOG NUMBER: LAMR4B308R609035DE01021MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	10.5
10°-20°	683.9	28.8
20°-30°	853.2	36.0
30°-40°	497.1	21.0
40°-50°	83.0	3.5
50°-60°	2.2	0.1
60°-70°	1.6	0.1
70°-80°	1.3	0.1
80°-90°	0.5	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°	1786.4	75.3
0°-40°	2283.4	96.3
0°-60°	2368.6	99.9
0°-90°	2372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2372.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2726	
5°	2624	249
15°	2458	684
25°	1906	853
35°	799	497
45°	97	83
55°	2	2
65°	1	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P434193

CATALOG NUMBER: LAMR4B308R609035DE01021MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2725.9
2.5°	2681.0
5°	2624.5
7.5°	2592.2
10°	2570.3
12.5°	2534.6
15°	2458.5
17.5°	2344.4
20°	2207.3
22.5°	2067.8
25°	1906.4
27.5°	1682.8
30°	1409.6
32.5°	1104.2
35°	798.8
37.5°	503.7
40°	287.0
42.5°	168.3
45°	96.8
47.5°	33.4
50°	3.5
52.5°	2.3
55°	2.3
57.5°	2.3
60°	2.3
62.5°	2.3
65°	1.2
67.5°	1.2
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)