

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: P434239

Luminaire Tested: **LAMR4B308R709035DE01021MB**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434239
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: LAMR4B308R709035DE01021MB
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 70 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2440.4 lumens
Efficiency: N/A
Efficacy: 76.5 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

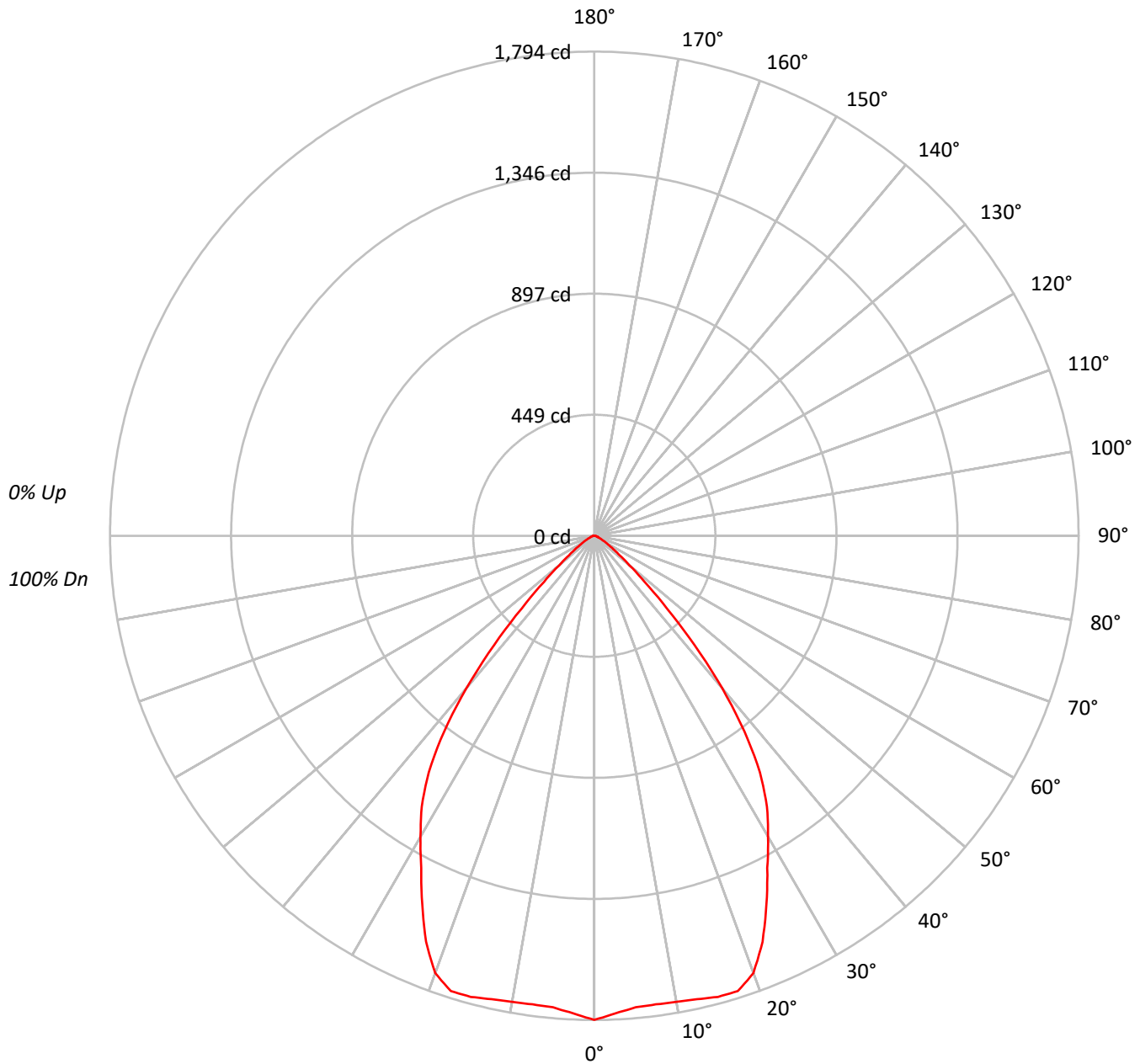
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P434239

CATALOG NUMBER: LAMR4B308R709035DE01021MB

Luminous Intensity Polar Plot





TEST NUMBER: P434239

CATALOG NUMBER: LAMR4B308R709035DE01021MB

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	104		110	107	105	103		103	101	100		100	98	97		96	95	94
2	106	101	96	92		104	99	95	91		96	92	89		93	90	87		90	88	86
3	100	93	87	83		98	91	86	82		89	84	81		86	82	79		84	81	78
4	94	85	79	74		92	84	78	74		82	77	73		80	76	72		78	74	71
5	88	79	72	68		87	78	72	67		76	71	67		74	70	66		73	69	65
6	83	73	66	62		82	72	66	61		71	65	61		69	64	60		68	64	60
7	78	68	61	56		77	67	61	56		66	60	56		65	59	56		63	59	55
8	74	63	57	52		73	63	56	52		62	56	52		60	55	51		59	55	51
9	70	59	53	48		69	59	52	48		58	52	48		57	51	48		56	51	47
10	66	55	49	45		65	55	49	44		54	48	44		53	48	44		52	48	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	885024
5°	868545
10°	878587
15°	903475
20°	905018
25°	821040
30°	733610
35°	644346
40°	474416
45°	265701
50°	130793
55°	73287
60°	44503
65°	29303
70°	21638
75°	19063
80°	14206
85°	14152



TEST NUMBER: P434239

CATALOG NUMBER: LAMR4B308R709035DE01021MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	6.9
10°-20°	498.4	20.4
20°-30°	691.7	28.3
30°-40°	650.7	26.7
40°-50°	310.6	12.7
50°-60°	82.1	3.4
60°-70°	25.9	1.1
70°-80°	10.5	0.4
80°-90°	2.7	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°	1357.7	55.6
0°-40°	2008.4	82.3
0°-60°	2401.2	98.4
0°-90°	2440.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2440.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1794	
5°	1754	168
15°	1769	498
25°	1508	692
35°	1070	651
45°	381	311
55°	85	82
65°	25	26
75°	10	11
85°	2	3
90°	0	



TEST NUMBER: P434239

CATALOG NUMBER: LAMR4B308R709035DE01021MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1793.8
2.5°	1771.3
5°	1753.7
7.5°	1751.2
10°	1753.7
12.5°	1758.7
15°	1768.8
17.5°	1768.8
20°	1723.7
22.5°	1628.5
25°	1508.2
27.5°	1387.9
30°	1287.7
32.5°	1190.0
35°	1069.8
37.5°	914.4
40°	736.6
42.5°	548.7
45°	380.8
47.5°	253.0
50°	170.4
52.5°	117.7
55°	85.2
57.5°	60.1
60°	45.1
62.5°	32.6
65°	25.1
67.5°	17.5
70°	15.0
72.5°	12.5
75°	10.0
77.5°	7.5
80°	5.0
82.5°	5.0
85°	2.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)