

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: P434049

Luminaire Tested: **LAMR4B308R309035DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-857-8)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R309035DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 30 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2540.9 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

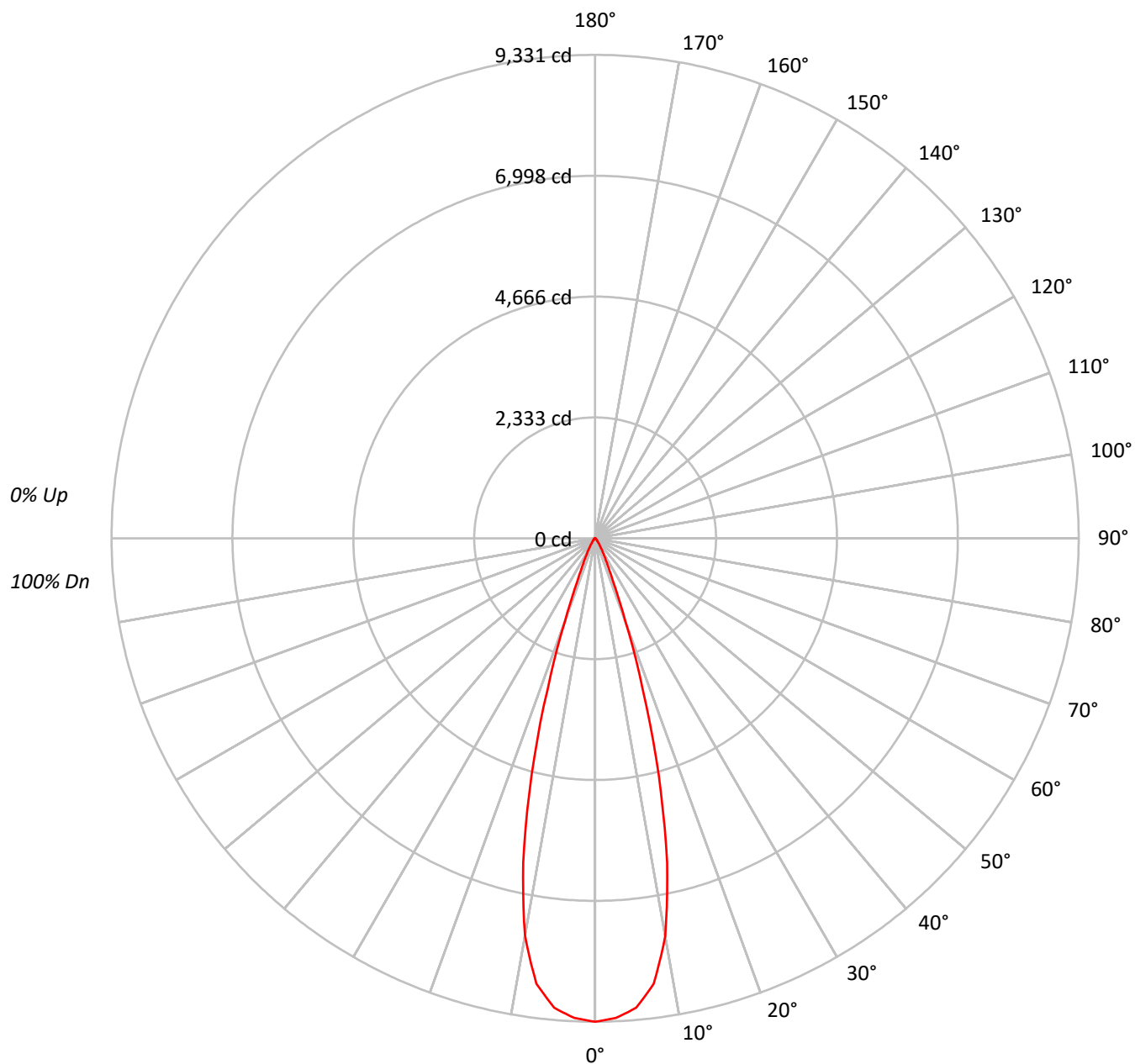
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97
3	107	103	99	96	105	101	98	95	99	96	94		96	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92
5	101	95	91	87	99	94	90	87	92	89	86		91	88	86		89
6	98	91	87	84	97	91	87	84	89	86	83		88	85	83		87
7	95	88	84	81	94	88	84	81	87	83	81		86	83	80		85
8	92	86	81	79	91	85	81	78	84	81	78		83	80	78		83
9	90	83	79	76	89	83	79	76	82	78	76		81	78	76		80
10	88	81	77	74	87	80	77	74	80	76	74		79	76	74		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4603922
5°	4503338
10°	3904672
15°	2420095
20°	887009
25°	296526
30°	145560
35°	72578
40°	45020
45°	28608
50°	20340
55°	16601
60°	14308
65°	11207
70°	13848
75°	13725
80°	13638
85°	13586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.7	32.6
10°-20°	1251.1	49.2
20°-30°	305.1	12.0
30°-40°	83.5	3.3
40°-50°	33.6	1.3
50°-60°	18.0	0.7
60°-70°	10.7	0.4
70°-80°	8.2	0.3
80°-90°	2.0	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°	2384.9	93.9
0°-40°	2468.4	97.1
0°-60°	2520.0	99.2
0°-90°	2540.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2540.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9331	
5°	9093	829
15°	4738	1251
25°	545	305
35°	120	84
45°	41	34
55°	19	18
65°	10	11
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9331.4
2.5°	9268.8
5°	9092.8
7.5°	8673.5
10°	7793.9
12.5°	6415.4
15°	4738.0
17.5°	3053.4
20°	1689.4
22.5°	901.3
25°	544.7
27.5°	368.7
30°	255.5
32.5°	173.5
35°	120.5
37.5°	89.2
40°	69.9
42.5°	53.0
45°	41.0
47.5°	33.7
50°	26.5
52.5°	24.1
55°	19.3
57.5°	16.9
60°	14.5
62.5°	12.0
65°	9.6
67.5°	9.6
70°	9.6
72.5°	9.6
75°	7.2
77.5°	7.2
80°	4.8
82.5°	2.4
85°	2.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)