

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: P434040

Luminaire Tested: **LAMR4B308R309024DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434040
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: LAMR4B308R309024DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 30 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2162.4 lumens
Efficiency: N/A
Efficacy: 67.8 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

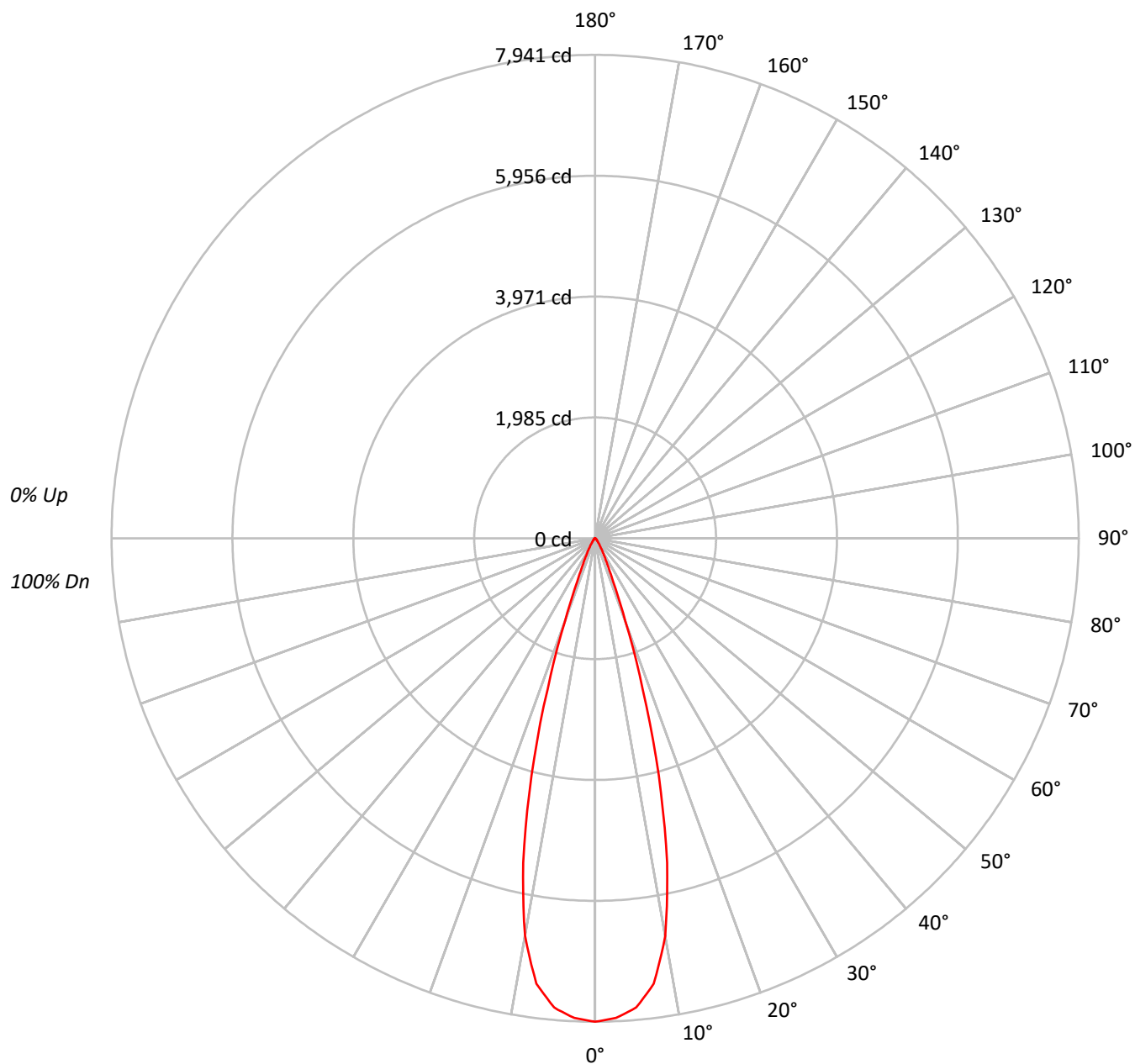
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	90	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°	3917878
5°	3832255
10°	3322771
15°	2059481
20°	754803
25°	252322
30°	123854
35°	61736
40°	38322
45°	24351
50°	17347
55°	14107
60°	12137
65°	9573
70°	11829
75°	11819
80°	11649
85°	11888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.2	32.6
10°-20°	1064.7	49.2
20°-30°	259.6	12.0
30°-40°	71.1	3.3
40°-50°	28.6	1.3
50°-60°	15.3	0.7
60°-70°	9.1	0.4
70°-80°	7.1	0.3
80°-90°	1.7	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°	2029.5	93.9
0°-40°	2100.6	97.1
0°-60°	2144.5	99.2
0°-90°	2162.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2162.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7941	
5°	7738	705
15°	4032	1065
25°	464	260
35°	102	71
45°	35	29
55°	16	15
65°	8	9
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7940.9
2.5°	7887.6
5°	7737.8
7.5°	7381.0
10°	6632.4
12.5°	5459.4
15°	4032.0
17.5°	2598.4
20°	1437.6
22.5°	767.0
25°	463.5
27.5°	313.8
30°	217.4
32.5°	147.7
35°	102.5
37.5°	75.9
40°	59.5
42.5°	45.1
45°	34.9
47.5°	28.7
50°	22.6
52.5°	20.5
55°	16.4
57.5°	14.4
60°	12.3
62.5°	10.3
65°	8.2
67.5°	8.2
70°	8.2
72.5°	8.2
75°	6.2
77.5°	6.2
80°	4.1
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)