

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: P434027

Luminaire Tested: **LAMR4B308R259040DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1911-585-5)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R259040DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 25 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2715.2 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

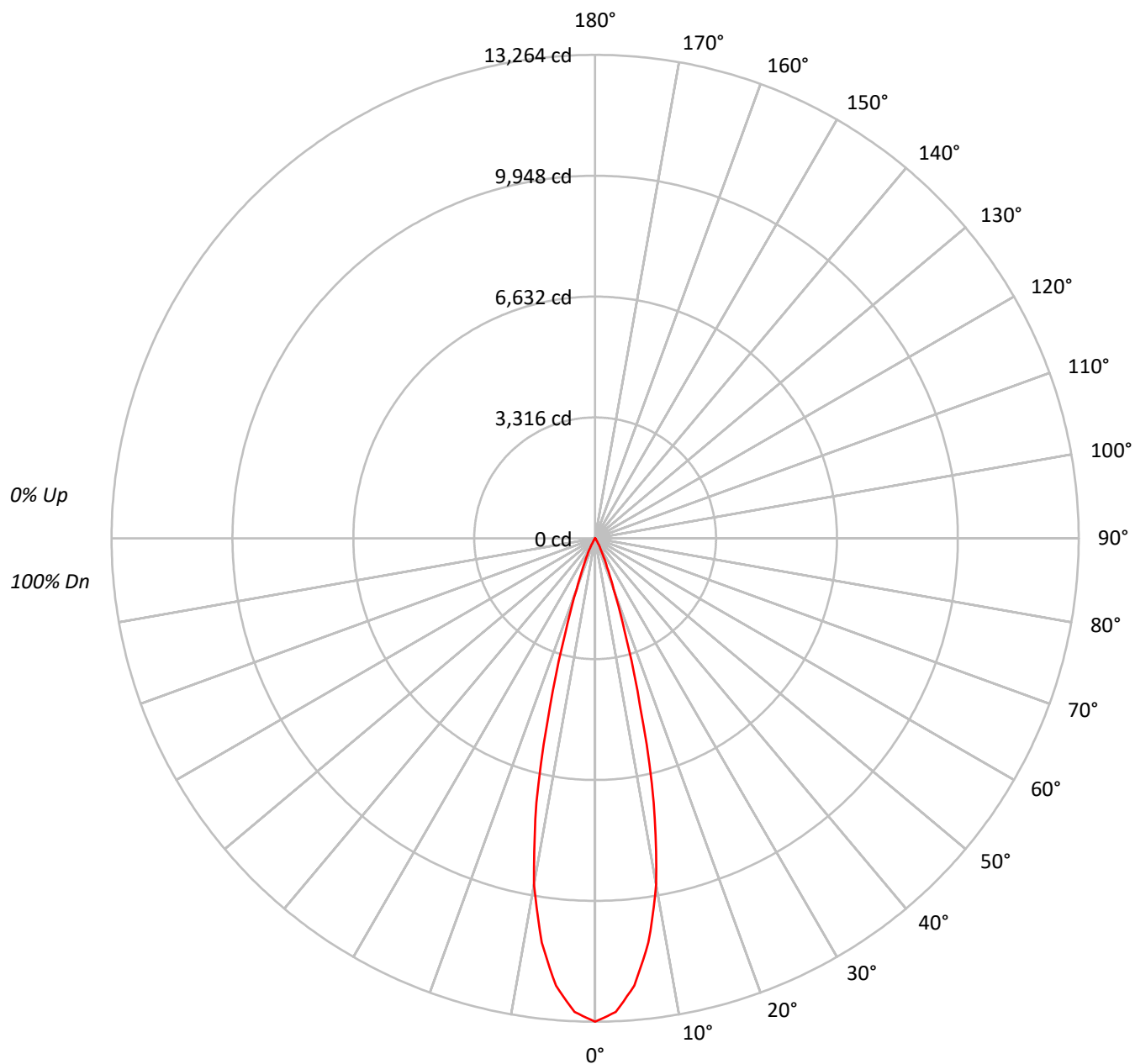
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	112	110		113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	103		110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	104	101	99		107	103	100	98		101	98	96		99	96	95		96	95	93
4	106	101	97	95		104	100	97	94		98	95	93		96	94	92		94	93	91
5	103	98	94	91		102	97	93	91		95	92	90		94	91	89		92	90	89
6	100	95	91	88		99	94	91	88		93	90	87		92	89	87		91	88	86
7	98	92	88	86		97	92	88	86		91	87	85		90	87	85		89	86	84
8	96	90	86	83		95	89	86	83		88	85	83		88	85	83		87	84	82
9	94	88	84	81		93	87	84	81		86	83	81		86	83	81		85	82	81
10	91	85	82	79		91	85	82	79		84	81	79		84	81	79		83	81	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2136929
5°	1992623
10°	1577849
15°	794089
20°	254816
25°	89110
30°	29857
35°	5998
40°	1977
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.9	40.2
10°-20°	1323.1	48.7
20°-30°	269.2	9.9
30°-40°	30.5	1.1
40°-50°	1.5	0.1
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	2683.2	98.8
0°-40°	2713.7	99.9
0°-60°	2715.2	100.0
0°-90°	2715.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2715.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13264	
5°	12322	###
15°	4761	1323
25°	501	269
35°	30	30
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13264.3
2.5°	13007.8
5°	12321.5
7.5°	11188.9
10°	9645.2
12.5°	7433.9
15°	4761.1
17.5°	2682.1
20°	1486.3
22.5°	846.8
25°	501.3
27.5°	299.8
30°	160.5
32.5°	70.3
35°	30.5
37.5°	18.7
40°	9.4
42.5°	3.5
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)