

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: P434072

Luminaire Tested: **LAMR4B308R359035DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-6)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R359035DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2489.7 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.51
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

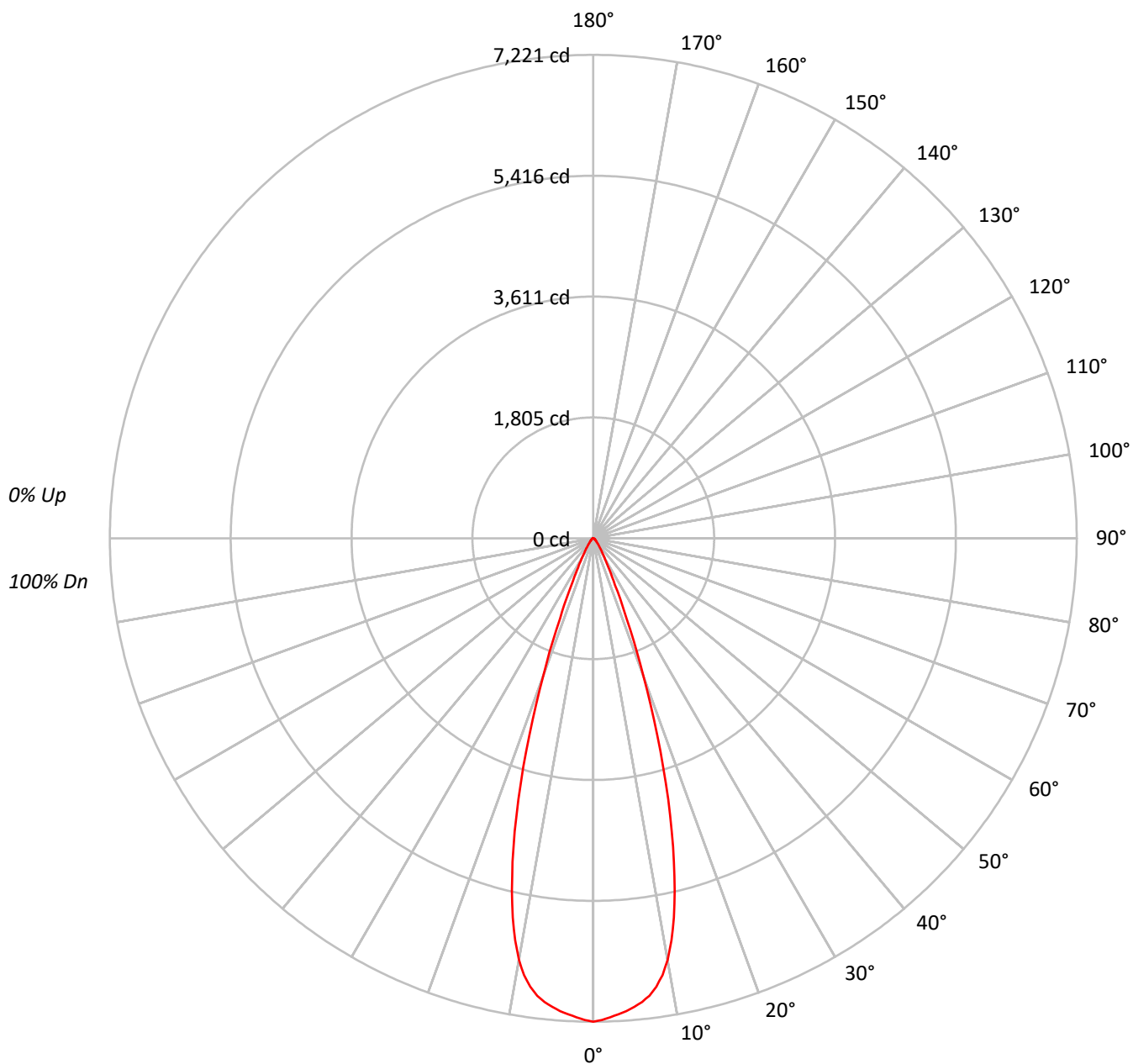
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	105	103			102	101	100			96
2	110	106	103	100		108	104	101	99		101	99	97			98	96	95			91
3	106	101	97	94		104	100	96	93		97	94	92			95	92	90			87
4	102	96	92	89		101	95	91	88		93	90	87			91	88	86			84
5	99	92	88	84		97	91	87	84		90	86	83			88	85	83			81
6	96	89	84	81		94	88	84	80		87	83	80			85	82	79			78
7	92	85	81	77		91	85	80	77		84	80	77			82	79	76			75
8	90	82	78	74		88	82	77	74		81	77	74			80	76	74			72
9	87	79	75	72		86	79	75	72		78	74	71			77	74	71			70
10	84	77	72	69		83	76	72	69		76	72	69			75	71	69			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3562891
5°	3480766
10°	3203184
15°	2315180
20°	1143702
25°	419557
30°	189199
35°	102994
40°	63826
45°	43260
50°	32314
55°	27698
60°	24472
65°	23115
70°	21494
75°	18872
80°	21025
85°	14152



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.1	26.2
10°-20°	1193.5	47.9
20°-30°	415.5	16.7
30°-40°	115.2	4.6
40°-50°	50.0	2.0
50°-60°	29.0	1.2
60°-70°	19.6	0.8
70°-80°	10.8	0.4
80°-90°	3.0	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°	2262.1	90.9
0°-40°	2377.2	95.5
0°-60°	2456.3	98.7
0°-90°	2489.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2489.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7221	
5°	7028	653
15°	4533	1193
25°	771	416
35°	171	115
45°	62	50
55°	32	29
65°	20	20
75°	10	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7221.4
1°	7196.6
2°	7159.4
3°	7122.3
4°	7080.1
5°	7028.1
6°	6963.7
7°	6884.4
8°	6762.9
9°	6606.8
10°	6393.7
11°	6121.1
12°	5791.5
13°	5404.9
14°	4981.1
15°	4532.6
16°	4054.3
17°	3573.5
18°	3090.3
19°	2624.4
20°	2178.3
22.5°	1298.6
25°	770.7
26°	641.8
27°	535.3
28°	453.5
29°	386.6
30°	332.1
32.5°	235.4
35°	171.0
37.5°	128.9
40°	99.1
42.5°	76.8
45°	62.0
47.5°	52.0
50°	42.1
52.5°	37.2
55°	32.2
57.5°	27.3
60°	24.8
62.5°	22.3
65°	19.8
67.5°	17.3



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CANDELA DISTRIBUTION (continued):

	0°
75°	9.9
77.5°	7.4
80°	7.4
82.5°	5.0
85°	2.5
87.5°	0.0
90°	0.0



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— 0°-180°







70°	14.9
72.5°	12.4



(END OF REPORT)