

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: P434057

Luminaire Tested: **LAMR4B308R309727DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434057
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: LAMR4B308R309727DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 30 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2092.2 lumens
Efficiency: N/A
Efficacy: 65.6 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

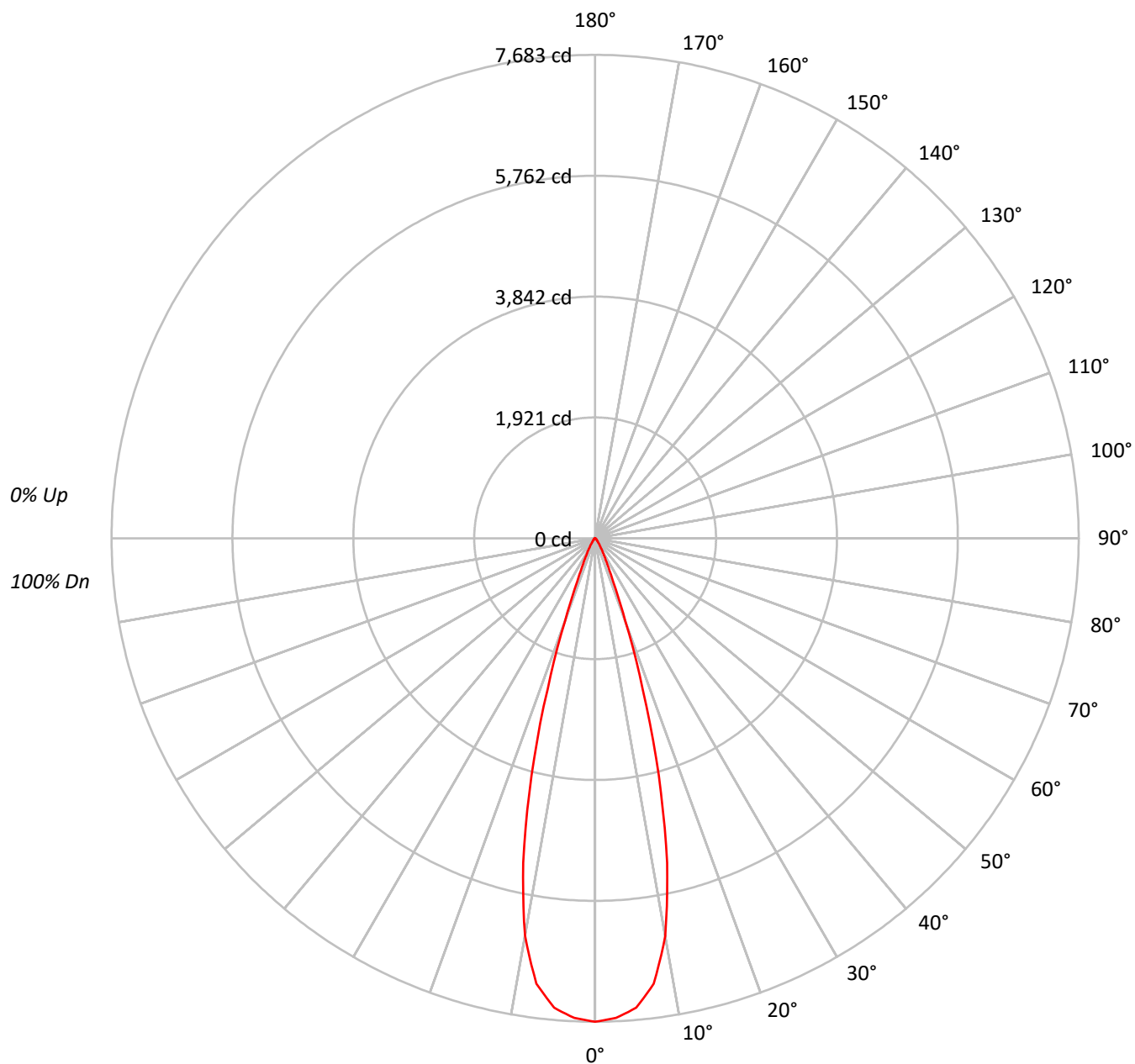
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96		
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	95	94	93		
3	107	103	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	90		
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	90	88	87		
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84		
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81		
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79		
8	92	86	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77		
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	80	78	75	74		
10	88	81	77	74	87	80	77	74	80	76	74	79	76	74	78	76	73	72		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3790832
5°	3708043
10°	3215058
15°	1992671
20°	730336
25°	244156
30°	119809
35°	59749
40°	37034
45°	23514
50°	16733
55°	13677
60°	11742
65°	9223
70°	11396
75°	11438
80°	11365
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.3	32.6
10°-20°	1030.2	49.2
20°-30°	251.2	12.0
30°-40°	68.8	3.3
40°-50°	27.7	1.3
50°-60°	14.8	0.7
60°-70°	8.8	0.4
70°-80°	6.8	0.3
80°-90°	1.6	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°	1963.7	93.9
0°-40°	2032.4	97.1
0°-60°	2074.9	99.2
0°-90°	2092.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2092.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7683	
5°	7487	682
15°	3901	1030
25°	448	251
35°	99	69
45°	34	28
55°	16	15
65°	8	9
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7683.4
2.5°	7631.8
5°	7487.0
7.5°	7141.7
10°	6417.4
12.5°	5282.3
15°	3901.2
17.5°	2514.2
20°	1391.0
22.5°	742.1
25°	448.5
27.5°	303.6
30°	210.3
32.5°	142.9
35°	99.2
37.5°	73.4
40°	57.5
42.5°	43.7
45°	33.7
47.5°	27.8
50°	21.8
52.5°	19.8
55°	15.9
57.5°	13.9
60°	11.9
62.5°	9.9
65°	7.9
67.5°	7.9
70°	7.9
72.5°	7.9
75°	6.0
77.5°	6.0
80°	4.0
82.5°	2.0
85°	2.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)