

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: P434235

Luminaire Tested: **LAMR4B308R709027DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-857-14)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R709027DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 70 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2265.1 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

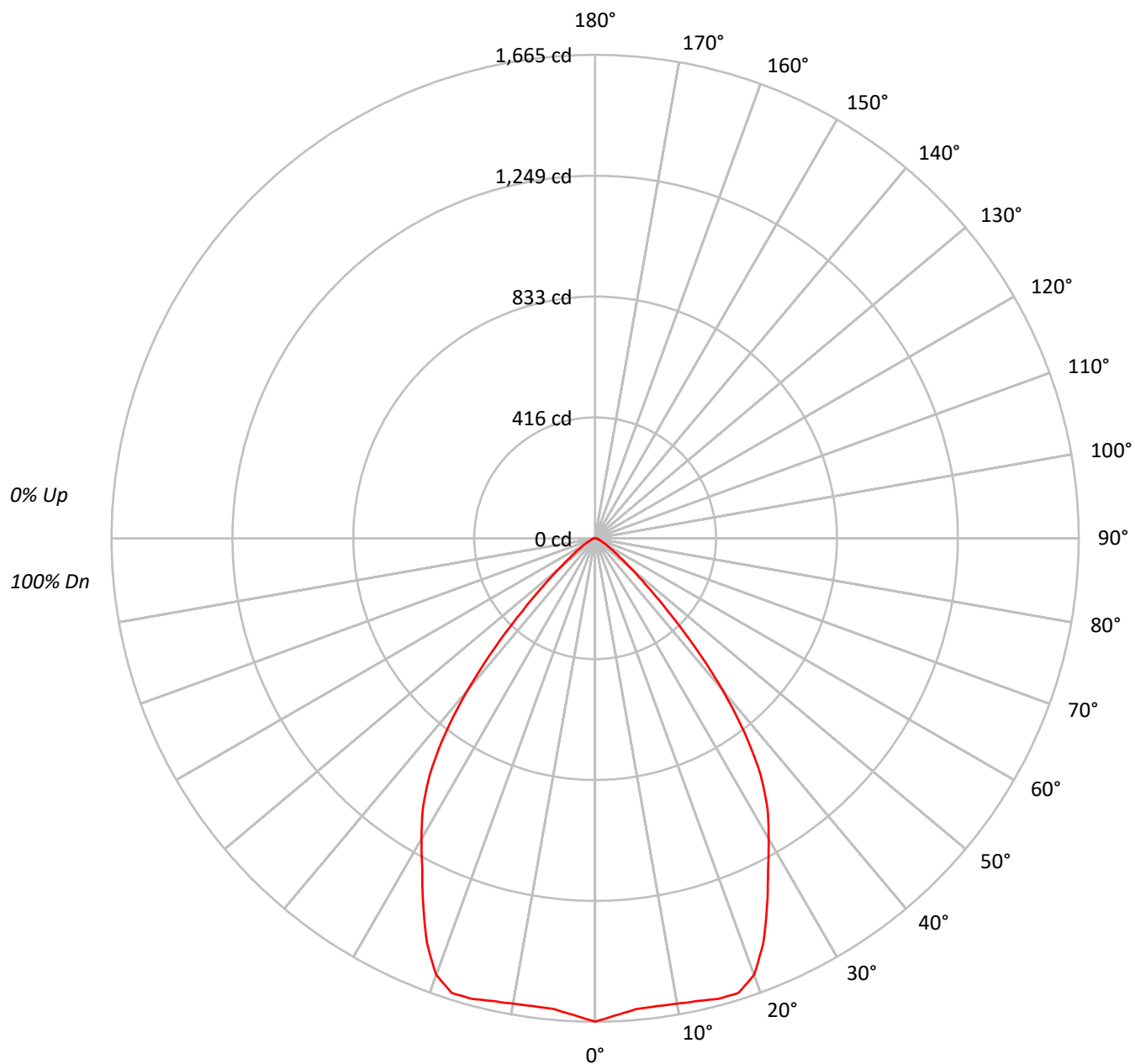
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	92	104	99	95	91	96	92	89		93	90	87		90
3	100	93	87	83	98	91	86	82	89	84	81		86	82	79		84
4	94	85	79	74	92	84	78	74	82	77	73		80	76	72		78
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68
7	78	68	61	56	77	67	61	56	66	60	56		65	59	56		63
8	74	63	57	52	73	63	56	52	62	56	52		60	55	51		59
9	70	59	52	48	69	59	52	48	58	52	48		57	51	48		56
10	66	55	49	45	65	55	49	44	54	48	44		53	48	44		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	821428
5°	806142
10°	815463
15°	838554
20°	839965
25°	762083
30°	680912
35°	598029
40°	440280
45°	246653
50°	121352
55°	68040
60°	41345
65°	27201
70°	20196
75°	17728
80°	13354
85°	13020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	6.9
10°-20°	462.6	20.4
20°-30°	642.0	28.3
30°-40°	604.0	26.7
40°-50°	288.3	12.7
50°-60°	76.2	3.4
60°-70°	24.1	1.1
70°-80°	9.8	0.4
80°-90°	2.5	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°	1260.2	55.6
0°-40°	1864.1	82.3
0°-60°	2228.7	98.4
0°-90°	2265.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2265.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1665	
5°	1628	156
15°	1642	463
25°	1400	642
35°	993	604
45°	354	288
55°	79	76
65°	23	24
75°	9	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1664.9
2.5°	1644.0
5°	1627.7
7.5°	1625.4
10°	1627.7
12.5°	1632.4
15°	1641.7
17.5°	1641.7
20°	1599.8
22.5°	1511.5
25°	1399.9
27.5°	1288.2
30°	1195.2
32.5°	1104.5
35°	992.9
37.5°	848.7
40°	683.6
42.5°	509.2
45°	353.5
47.5°	234.9
50°	158.1
52.5°	109.3
55°	79.1
57.5°	55.8
60°	41.9
62.5°	30.2
65°	23.3
67.5°	16.3
70°	14.0
72.5°	11.6
75°	9.3
77.5°	7.0
80°	4.7
82.5°	4.7
85°	2.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)