

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: P432981

Luminaire Tested: **LAM4B308R659730DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-22)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B308R659730DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 65 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2139.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.97
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

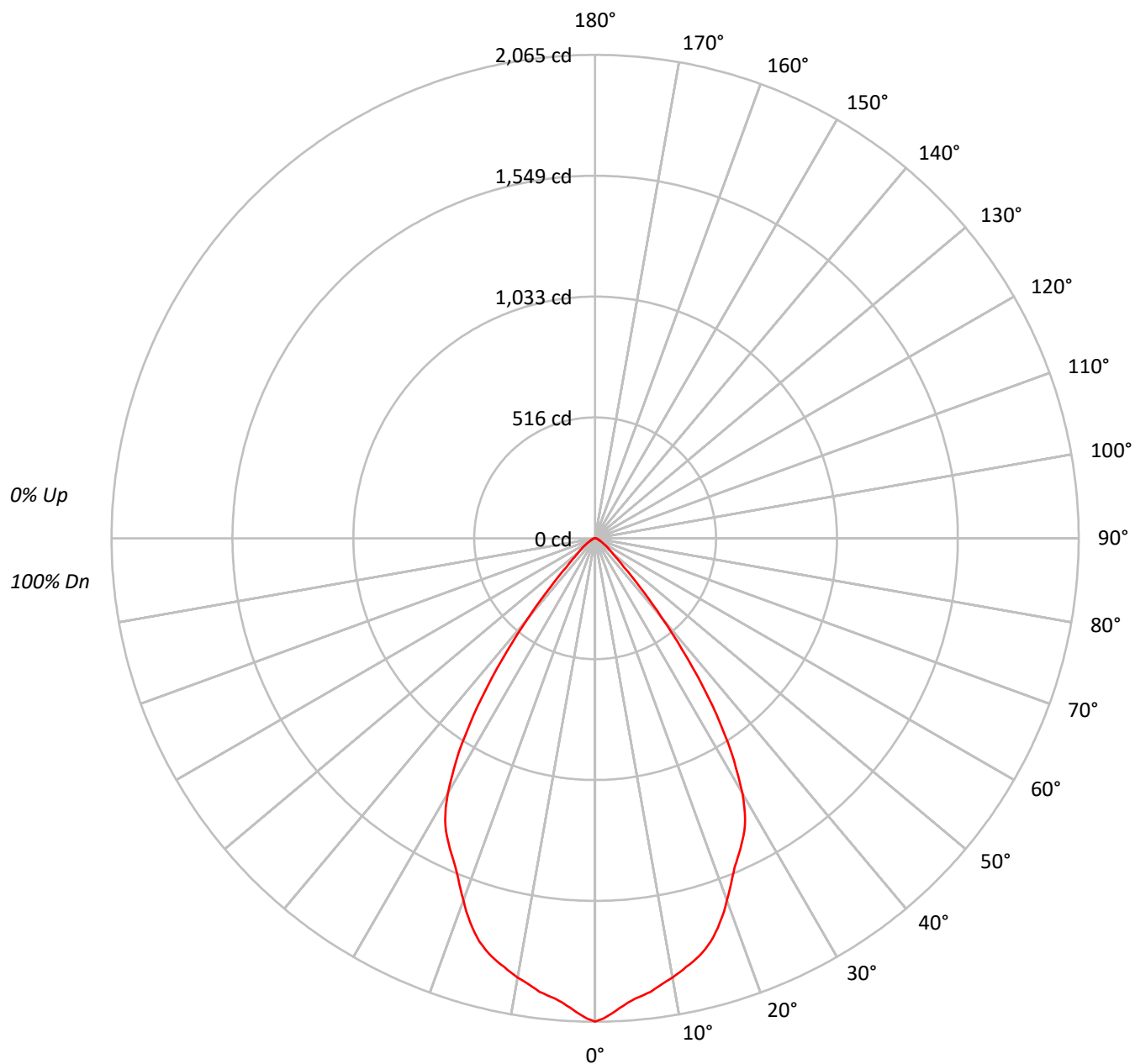
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1018681
5°	977503
10°	954387
15°	927737
20°	863959
25°	798013
30°	716348
35°	526294
40°	284224
45°	122245
50°	68083
55°	47654
60°	30590
65°	23349
70°	19186
75°	16966
80°	19036
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	8.7
10°-20°	506.8	23.7
20°-30°	671.8	31.4
30°-40°	532.0	24.9
40°-50°	158.5	7.4
50°-60°	50.7	2.4
60°-70°	20.2	0.9
70°-80°	9.7	0.5
80°-90°	2.7	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°	1365.2	63.8
0°-40°	1897.2	88.7
0°-60°	2106.4	98.5
0°-90°	2139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2139.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2065	
5°	1974	187
15°	1816	507
25°	1466	672
35°	874	532
45°	175	158
55°	55	51
65°	20	20
75°	9	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2064.7
1°	2051.4
2°	2031.4
3°	2009.2
4°	1989.3
5°	1973.7
6°	1962.7
7°	1951.6
8°	1933.8
9°	1918.3
10°	1905.0
11°	1889.5
12°	1871.7
13°	1856.2
14°	1838.5
15°	1816.3
16°	1791.9
17°	1760.8
18°	1725.4
19°	1687.7
20°	1645.5
21°	1605.6
22°	1563.5
23°	1525.8
24°	1494.7
25°	1465.9
26°	1434.8
27°	1403.8
28°	1363.9
29°	1315.1
30°	1257.4
32.5°	1082.2
35°	873.8
37.5°	647.6
40°	441.3
42.5°	279.4
45°	175.2
47.5°	117.5
50°	88.7
52.5°	71.0
55°	55.4
57.5°	42.1
60°	31.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.5
70°	13.3
72.5°	11.1
75°	8.9
77.5°	6.7
80°	6.7
82.5°	4.4
85°	2.2
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°	24.4
65°	20.0



(END OF REPORT)