

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: P432959

Luminaire Tested: **LAM4B308R659024DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432959
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: LAM4B308R659024DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 65 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2063.1 lumens
Efficiency: N/A
Efficacy: 64.7 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

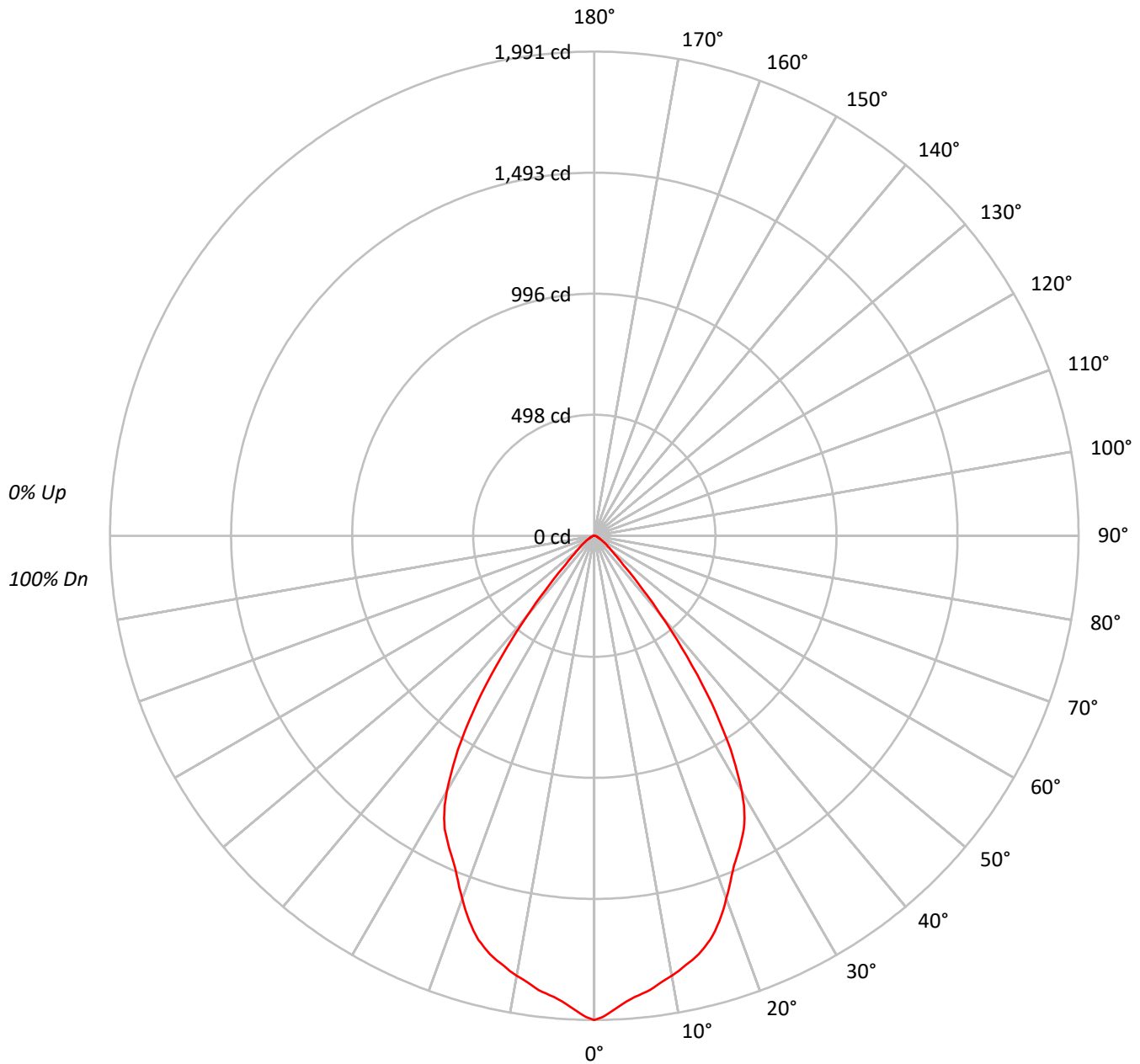
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	982516
5°	942834
10°	920520
15°	894792
20°	833297
25°	769705
30°	690939
35°	507623
40°	274177
45°	117919
50°	65703
55°	46020
60°	29504
65°	22532
70°	18465
75°	16394
80°	18184
85°	11888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.9	8.7
10°-20°	488.8	23.7
20°-30°	648.0	31.4
30°-40°	513.2	24.9
40°-50°	152.9	7.4
50°-60°	48.9	2.4
60°-70°	19.5	0.9
70°-80°	9.3	0.5
80°-90°	2.6	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°	1316.7	63.8
0°-40°	1829.9	88.7
0°-60°	2031.7	98.5
0°-90°	2063.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2063.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1991	
5°	1904	180
15°	1752	489
25°	1414	648
35°	843	513
45°	169	153
55°	54	49
65°	19	20
75°	9	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1991.4
1°	1978.5
2°	1959.3
3°	1937.9
4°	1918.7
5°	1903.7
6°	1893.0
7°	1882.3
8°	1865.2
9°	1850.2
10°	1837.4
11°	1822.4
12°	1805.3
13°	1790.3
14°	1773.2
15°	1751.8
16°	1728.3
17°	1698.3
18°	1664.1
19°	1627.8
20°	1587.1
21°	1548.6
22°	1508.0
23°	1471.6
24°	1441.7
25°	1413.9
26°	1383.9
27°	1354.0
28°	1315.5
29°	1268.4
30°	1212.8
32.5°	1043.8
35°	842.8
37.5°	624.6
40°	425.7
42.5°	269.5
45°	169.0
47.5°	113.4
50°	85.6
52.5°	68.4
55°	53.5
57.5°	40.6
60°	29.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.0
70°	12.8
72.5°	10.7
75°	8.6
77.5°	6.4
80°	6.4
82.5°	4.3
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°	23.5
65°	19.3



(END OF REPORT)