

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: P432977

Luminaire Tested: **LAM4B308R659727DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432977
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: LAM4B308R659727DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 65 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1996.2 lumens
Efficiency: N/A
Efficacy: 62.6 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

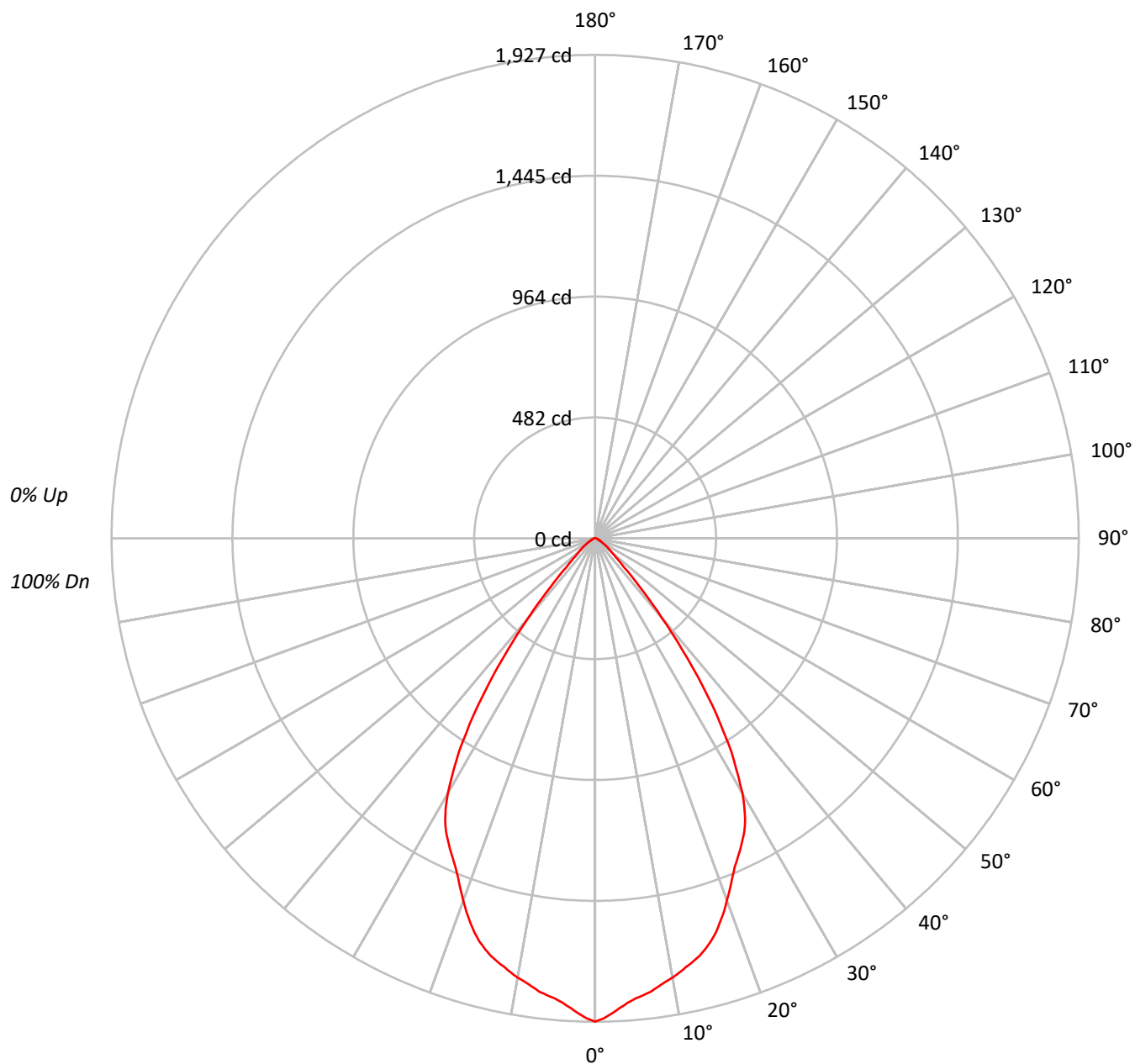
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	950644
5°	912277
10°	890661
15°	865779
20°	806309
25°	744717
30°	668550
35°	491120
40°	265289
45°	114081
50°	63554
55°	44471
60°	28616
65°	21714
70°	17888
75°	15822
80°	17616
85°	11888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.1	8.7
10°-20°	473.0	23.7
20°-30°	627.0	31.4
30°-40°	496.5	24.9
40°-50°	147.9	7.4
50°-60°	47.3	2.4
60°-70°	18.9	0.9
70°-80°	9.0	0.5
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°	1274.0	63.8
0°-40°	1770.5	88.7
0°-60°	1965.8	98.5
0°-90°	1996.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1996.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1927	
5°	1842	174
15°	1695	473
25°	1368	627
35°	815	497
45°	164	148
55°	52	47
65°	19	19
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1926.8
1°	1914.4
2°	1895.8
3°	1875.1
4°	1856.4
5°	1842.0
6°	1831.6
7°	1821.3
8°	1804.7
9°	1790.2
10°	1777.8
11°	1763.3
12°	1746.8
13°	1732.3
14°	1715.7
15°	1695.0
16°	1672.2
17°	1643.3
18°	1610.2
19°	1575.0
20°	1535.7
21°	1498.4
22°	1459.1
23°	1423.9
24°	1394.9
25°	1368.0
26°	1339.0
27°	1310.1
28°	1272.8
29°	1227.3
30°	1173.5
32.5°	1010.0
35°	815.4
37.5°	604.3
40°	411.9
42.5°	260.8
45°	163.5
47.5°	109.7
50°	82.8
52.5°	66.2
55°	51.7
57.5°	39.3
60°	29.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14.5
70°	12.4
72.5°	10.3
75°	8.3
77.5°	6.2
80°	6.2
82.5°	4.1
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°	22.8
65°	18.6



(END OF REPORT)