

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: P433250

Luminaire Tested: **LAM4B408R609027DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2009-969-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B408R609027DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 60 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2922.1 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.89
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

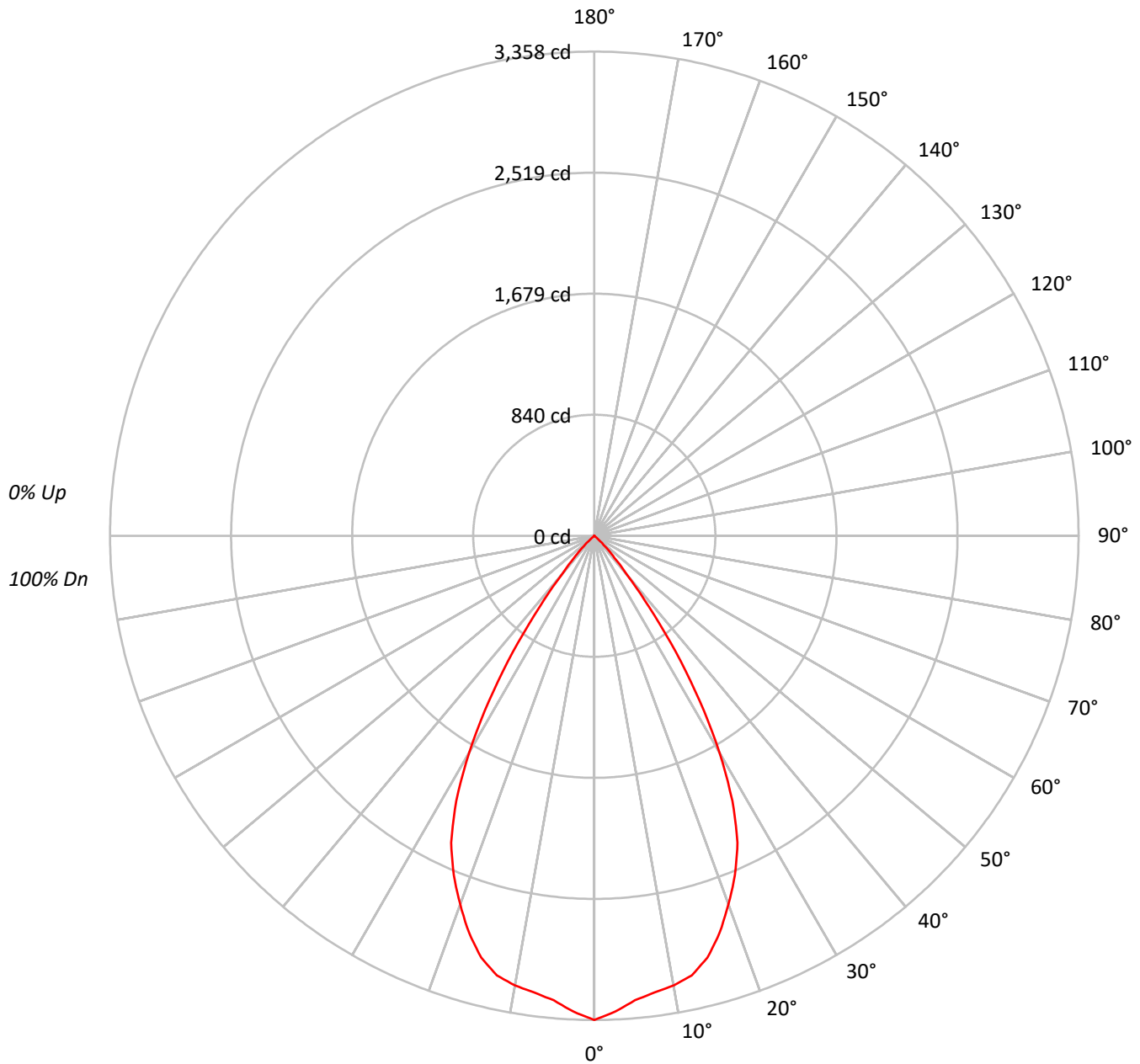
Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88
4	98	91	85	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	70	66	83	75	69	65	74	69	65		72	68	65		71
8	80	71	65	61	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1656966
5°	1601387
10°	1586487
15°	1547114
20°	1427803
25°	1278595
30°	989408
35°	592729
40°	227740
45°	83241
50°	3301
55°	2409
60°	2763
65°	1634
70°	2020
75°	2669
80°	3978
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.0	10.5
10°-20°	842.6	28.8
20°-30°	1051.2	36.0
30°-40°	612.4	21.0
40°-50°	102.2	3.5
50°-60°	2.7	0.1
60°-70°	1.9	0.1
70°-80°	1.5	0.1
80°-90°	0.6	0.0
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°	2200.8	75.3
0°-40°	2813.2	96.3
0°-60°	2918.1	99.9
0°-90°	2922.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2922.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3358	
5°	3233	307
15°	3029	843
25°	2349	1051
35°	984	612
45°	119	102
55°	3	3
65°	1	2
75°	1	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3358.4
2.5°	3303.0
5°	3233.4
7.5°	3193.7
10°	3166.7
12.5°	3122.7
15°	3028.9
17.5°	2888.3
20°	2719.4
22.5°	2547.5
25°	2348.7
27.5°	2073.2
30°	1736.7
32.5°	1360.4
35°	984.1
37.5°	620.6
40°	353.6
42.5°	207.3
45°	119.3
47.5°	41.2
50°	4.3
52.5°	2.8
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.8
65°	1.4
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)