

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: P432309

Luminaire Tested: **LAM4B108R559730DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-898-142)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B108R559730DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 55 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 726.6 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.81
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

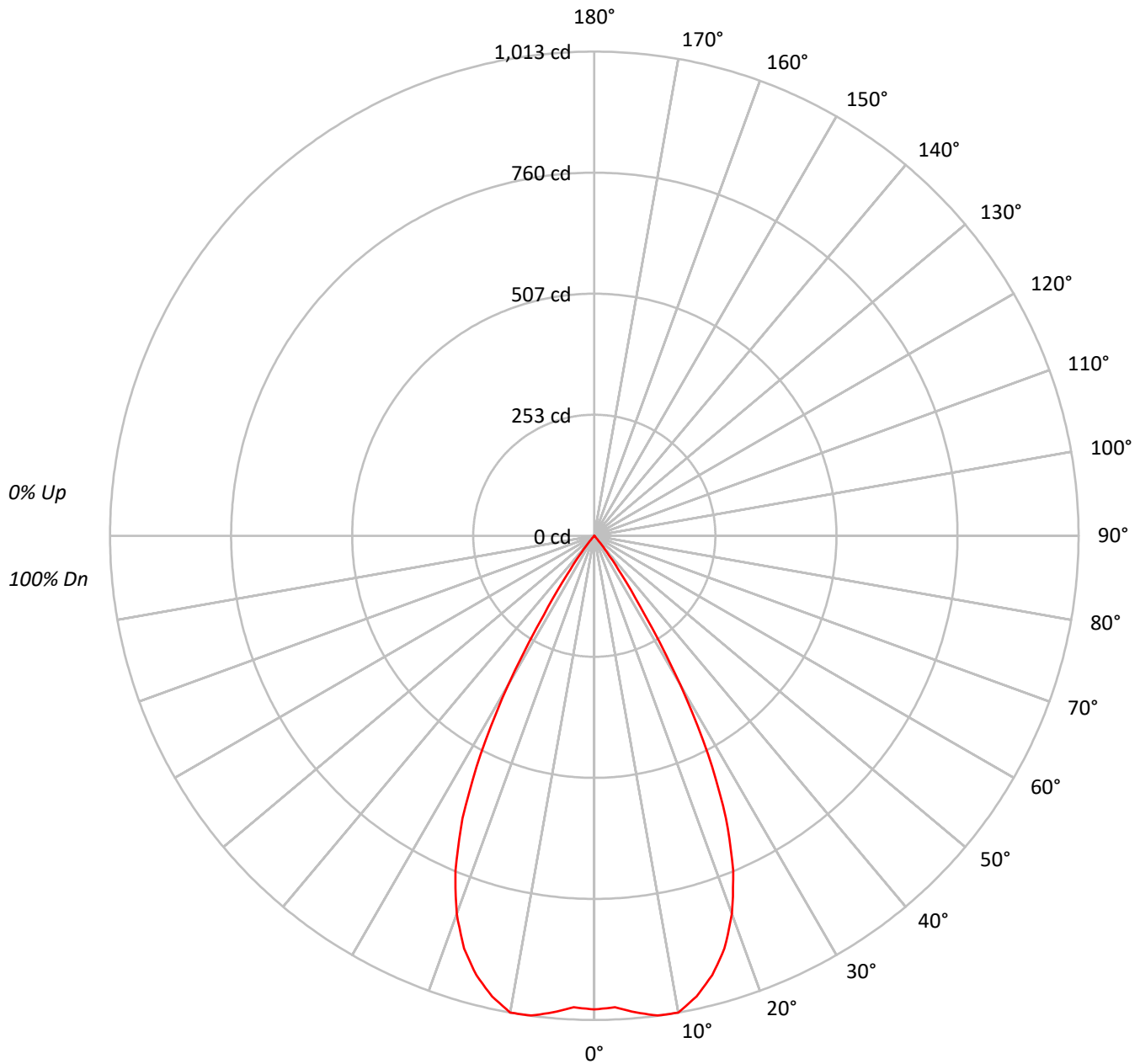
Input Watts (W): 11.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P432309

CATALOG NUMBER: LAM4B108R559730DE010x1MW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	109	107		112	110	108	106		105	104	102		102	101	99		98	97	97
2	109	105	101	98		107	103	100	97		100	97	95		97	95	93		94	93	91
3	105	99	95	91		103	98	94	90		95	92	89		93	90	88		91	88	86
4	100	94	89	85		99	92	88	85		90	87	84		88	85	83		87	84	82
5	96	89	83	80		94	88	83	79		86	82	79		84	81	78		83	80	77
6	92	84	79	75		91	83	78	75		82	78	74		81	77	74		79	76	73
7	88	80	75	71		87	79	74	71		78	74	70		77	73	70		76	72	70
8	84	76	71	67		83	75	70	67		74	70	67		73	69	66		72	69	66
9	81	72	67	64		80	72	67	63		71	66	63		70	66	63		69	66	63
10	78	69	64	60		77	69	64	60		68	63	60		67	63	60		66	63	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	489038
5°	495858
10°	507504
15°	486266
20°	441824
25°	355047
30°	204410
35°	59327
40°	9081
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	13.2
10°-20°	264.9	36.5
20°-30°	285.9	39.3
30°-40°	78.2	10.8
40°-50°	1.6	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	646.8	89.0
0°-40°	725.0	99.8
0°-60°	726.6	100.0
0°-90°	726.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	726.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	991	
5°	1001	96
15°	952	265
25°	652	286
35°	98	78
45°	0	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	991.2
2.5°	987.2
5°	1001.2
7.5°	1012.3
10°	1013.0
12.5°	987.2
15°	952.0
17.5°	905.4
20°	841.5
22.5°	759.1
25°	652.2
27.5°	515.9
30°	358.8
32.5°	196.6
35°	98.5
37.5°	42.2
40°	14.1
42.5°	2.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)