

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: P432872

Luminaire Tested: **LAM4B308R459035DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-8)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B308R459035DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 45 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514.7 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.66
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

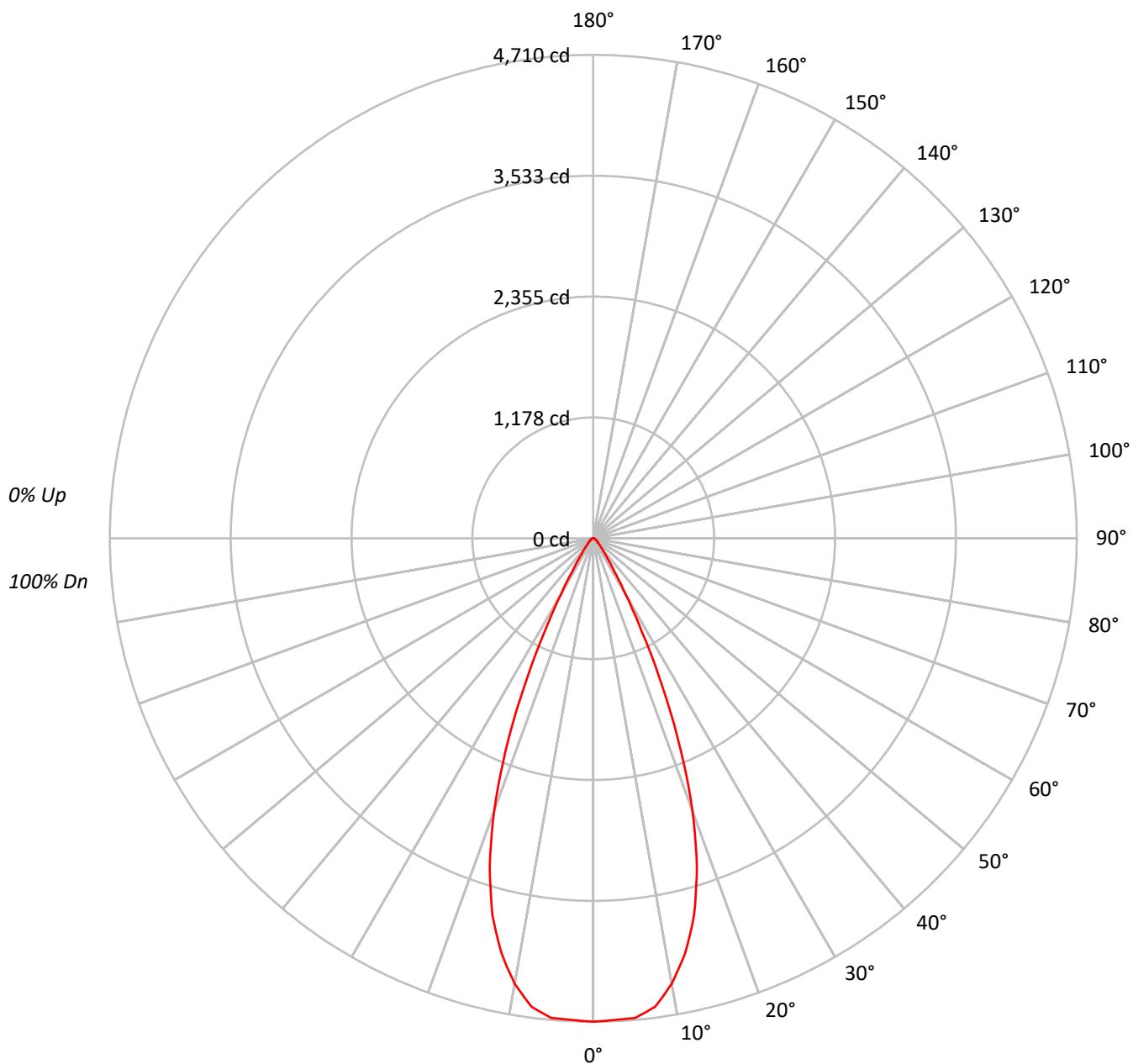
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	109	107	112	109	107	105		105	104	102			102	100	99			98
2	109	105	101	98	107	103	100	97		100	97	95			97	95	93			94
3	105	99	94	91	103	98	93	90		95	92	89			93	90	87			90
4	100	94	89	85	99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80	95	88	83	80		86	82	79			85	81	78			83
6	92	85	79	76	91	84	79	75		82	78	75			81	77	74			80
7	89	81	75	72	87	80	75	72		79	74	71			78	74	71			77
8	85	77	72	68	84	77	72	68		76	71	68			75	71	68			74
9	82	74	69	65	81	73	68	65		72	68	65			72	68	65			71
10	79	71	66	62	78	70	66	62		70	65	62			69	65	62			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2323768
5°	2322938
10°	2208016
15°	1939549
20°	1483721
25°	866170
30°	354528
35°	149914
40°	81731
45°	52819
50°	41218
55°	35698
60°	28912
65°	22765
70°	21061
75°	18681
80°	20741
85°	13586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.9	17.5
10°-20°	1033.8	41.1
20°-30°	728.4	29.0
30°-40°	179.3	7.1
40°-50°	62.6	2.5
50°-60°	37.0	1.5
60°-70°	20.5	0.8
70°-80°	11.3	0.4
80°-90°	3.0	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°	2201.0	87.5
0°-40°	2380.3	94.7
0°-60°	2479.9	98.6
0°-90°	2514.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2514.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4710	
5°	4690	439
15°	3797	1034
25°	1591	728
35°	249	179
45°	76	63
55°	42	37
65°	20	20
75°	10	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4709.9
2.5°	4697.7
5°	4690.3
7.5°	4604.9
10°	4407.3
12.5°	4138.8
15°	3797.2
17.5°	3355.5
20°	2825.9
22.5°	2218.3
25°	1591.1
27.5°	1027.4
30°	622.3
32.5°	378.3
35°	248.9
37.5°	175.7
40°	126.9
42.5°	97.6
45°	75.7
47.5°	63.4
50°	53.7
52.5°	46.4
55°	41.5
57.5°	36.6
60°	29.3
62.5°	24.4
65°	19.5
67.5°	17.1
70°	14.6
72.5°	12.2
75°	9.8
77.5°	9.8
80°	7.3
82.5°	4.9
85°	2.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)