

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: P433313

Luminaire Tested: **LAM4B408R709727DE01021MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-857-14)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B408R709727DE01021MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 70 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2667.2 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

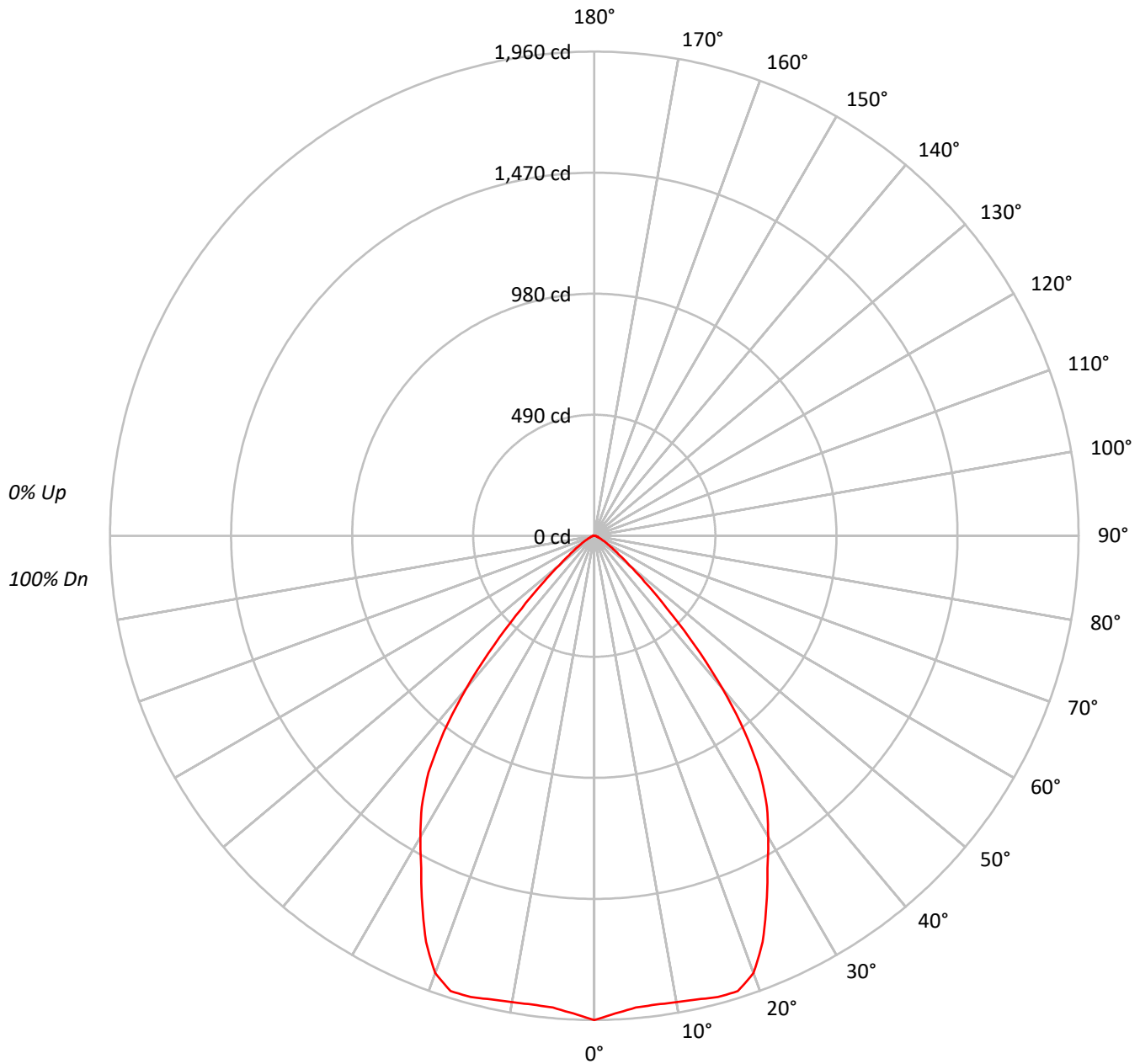
Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76		
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70		
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64		
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	64	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54		
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46		
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	967271
5°	949273
10°	960249
15°	987397
20°	989130
25°	897363
30°	801804
35°	704215
40°	518469
45°	290401
50°	142920
55°	80083
60°	48647
65°	31988
70°	23658
75°	20969
80°	15627
85°	15284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	6.9
10°-20°	544.7	20.4
20°-30°	755.9	28.3
30°-40°	711.2	26.7
40°-50°	339.5	12.7
50°-60°	89.8	3.4
60°-70°	28.3	1.1
70°-80°	11.6	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°	1483.9	55.6
0°-40°	2195.1	82.3
0°-60°	2624.4	98.4
0°-90°	2667.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2667.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1960	
5°	1917	183
15°	1933	545
25°	1648	756
35°	1169	711
45°	416	340
55°	93	90
65°	27	28
75°	11	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1960.5
2.5°	1935.9
5°	1916.7
7.5°	1914.0
10°	1916.7
12.5°	1922.2
15°	1933.1
17.5°	1933.1
20°	1883.9
22.5°	1779.8
25°	1648.4
27.5°	1516.9
30°	1407.4
32.5°	1300.6
35°	1169.2
37.5°	999.4
40°	805.0
42.5°	599.7
45°	416.2
47.5°	276.6
50°	186.2
52.5°	128.7
55°	93.1
57.5°	65.7
60°	49.3
62.5°	35.6
65°	27.4
67.5°	19.2
70°	16.4
72.5°	13.7
75°	11.0
77.5°	8.2
80°	5.5
82.5°	5.5
85°	2.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)