

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: P432501

Luminaire Tested: **LAM4B208R309730DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-857-8)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B208R309730DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 30 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1473.4 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

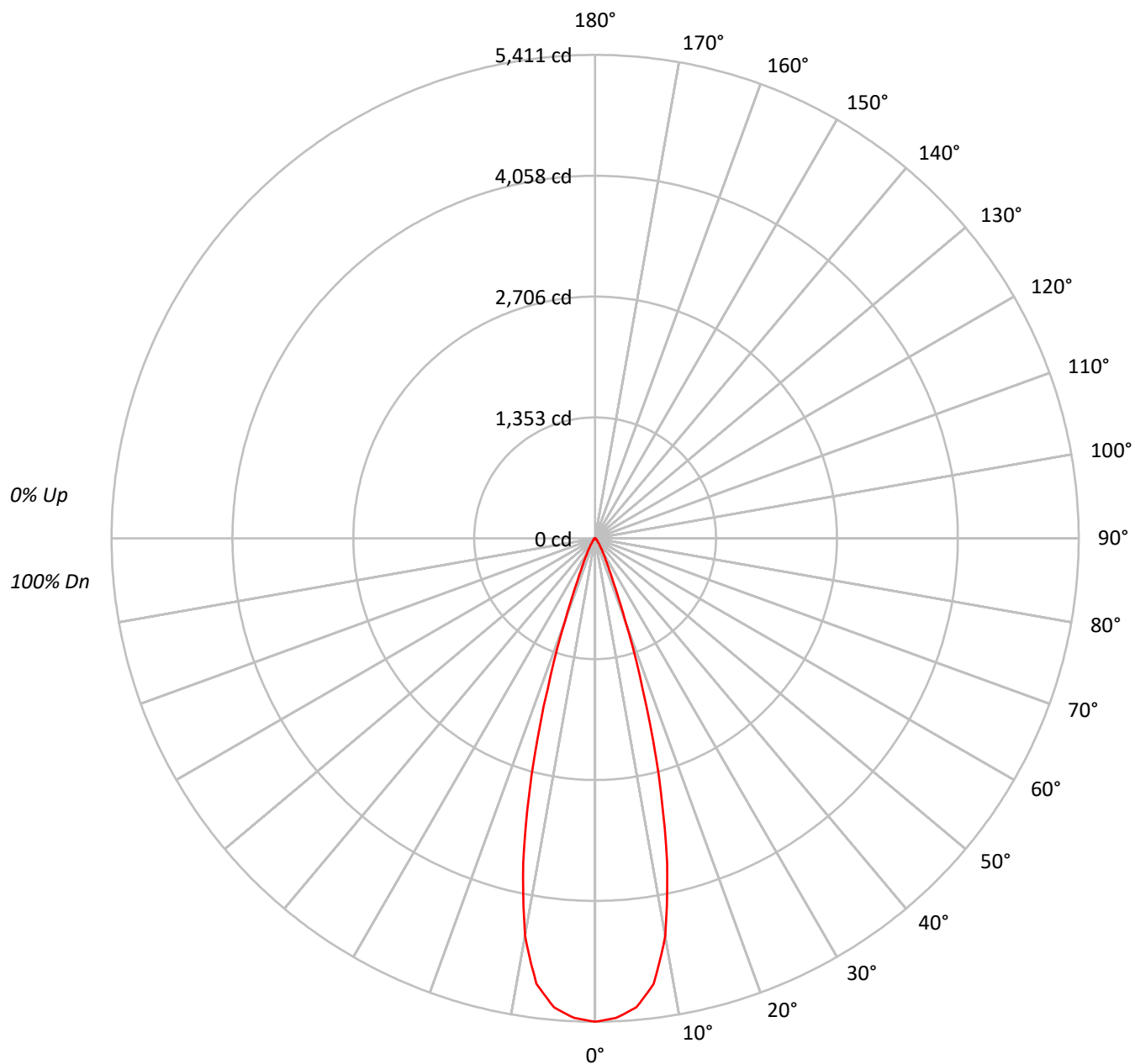
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97
3	107	103	99	96	105	101	98	95	99	96	94		96	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		89
6	98	91	87	84	97	91	87	84	89	86	83		88	85	83		87
7	95	88	84	81	94	88	84	81	87	83	81		86	83	80		85
8	92	86	81	79	91	85	81	78	84	81	78		83	80	78		83
9	90	83	79	76	89	83	79	76	82	78	76		81	78	76		80
10	88	81	77	74	87	80	77	74	80	76	74		79	76	74		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2669529
5°	2611181
10°	2264027
15°	1403226
20°	514333
25°	171916
30°	84373
35°	42101
40°	26084
45°	16606
50°	11820
55°	9634
60°	8289
65°	6538
70°	8078
75°	8006
80°	7956
85°	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.5	32.6
10°-20°	725.4	49.2
20°-30°	176.9	12.0
30°-40°	48.4	3.3
40°-50°	19.5	1.3
50°-60°	10.5	0.7
60°-70°	6.2	0.4
70°-80°	4.8	0.3
80°-90°	1.1	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°	1382.8	93.9
0°-40°	1431.3	97.1
0°-60°	1461.2	99.2
0°-90°	1473.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5411	
5°	5272	481
15°	2747	725
25°	316	177
35°	70	48
45°	24	20
55°	11	10
65°	6	6
75°	4	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5410.7
2.5°	5374.3
5°	5272.3
7.5°	5029.2
10°	4519.1
12.5°	3719.8
15°	2747.2
17.5°	1770.5
20°	979.6
22.5°	522.6
25°	315.8
27.5°	213.8
30°	148.1
32.5°	100.6
35°	69.9
37.5°	51.7
40°	40.5
42.5°	30.7
45°	23.8
47.5°	19.6
50°	15.4
52.5°	14.0
55°	11.2
57.5°	9.8
60°	8.4
62.5°	7.0
65°	5.6
67.5°	5.6
70°	5.6
72.5°	5.6
75°	4.2
77.5°	4.2
80°	2.8
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)