

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: P432521

Luminaire Tested: **LAM4B208R359727DE010x1MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-6)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B208R359727DE010x1MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1347.2 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.51
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

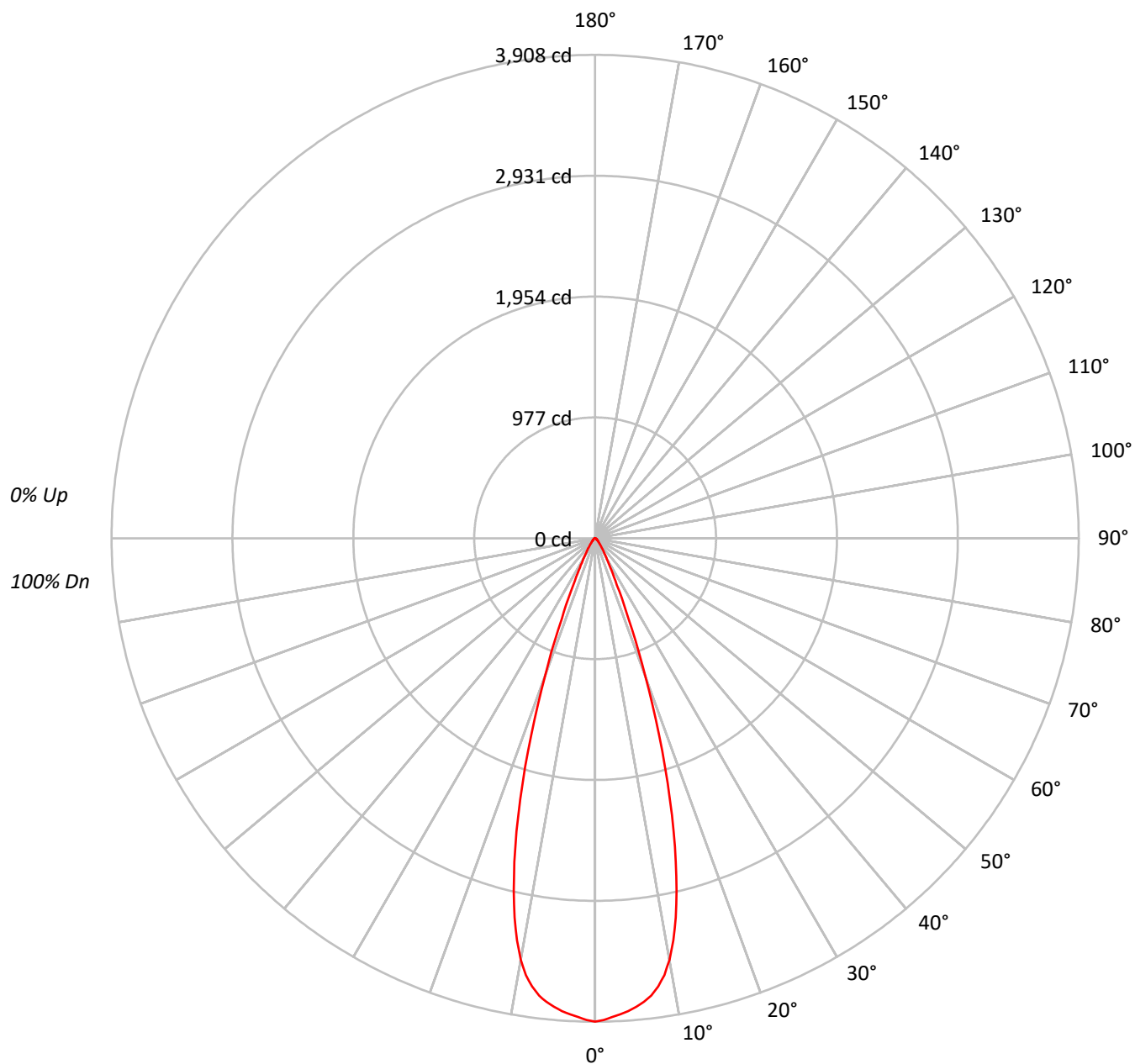
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96		
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91		
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87		
4	102	96	92	89	101	95	91	88	93	90	87	91	88	86	90	87	85	84		
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78		
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1927930
5°	1883490
10°	1733278
15°	1252749
20°	618869
25°	227008
30°	102376
35°	55713
40°	34522
45°	23374
50°	17500
55°	14967
60°	13223
65°	12492
70°	11540
75°	10294
80°	11365
85°	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.4	26.2
10°-20°	645.8	47.9
20°-30°	224.8	16.7
30°-40°	62.3	4.6
40°-50°	27.1	2.0
50°-60°	15.7	1.2
60°-70°	10.6	0.8
70°-80°	5.8	0.4
80°-90°	1.6	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°	1224.0	90.9
0°-40°	1286.3	95.5
0°-60°	1329.1	98.7
0°-90°	1347.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1347.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3908	
5°	3803	353
15°	2453	646
25°	417	225
35°	92	62
45°	34	27
55°	17	16
65°	11	11
75°	5	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3907.6
1°	3894.2
2°	3874.1
3°	3854.0
4°	3831.2
5°	3803.0
6°	3768.1
7°	3725.2
8°	3659.5
9°	3575.0
10°	3459.7
11°	3312.2
12°	3133.9
13°	2924.7
14°	2695.4
15°	2452.6
16°	2193.8
17°	1933.7
18°	1672.2
19°	1420.1
20°	1178.7
22.5°	702.7
25°	417.0
26°	347.3
27°	289.7
28°	245.4
29°	209.2
30°	179.7
32.5°	127.4
35°	92.5
37.5°	69.7
40°	53.6
42.5°	41.6
45°	33.5
47.5°	28.2
50°	22.8
52.5°	20.1
55°	17.4
57.5°	14.8
60°	13.4
62.5°	12.1
65°	10.7
67.5°	9.4



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CANDELA DISTRIBUTION (continued):

	0°
75°	5.4
77.5°	4.0
80°	4.0
82.5°	2.7
85°	1.3
87.5°	0.0
90°	0.0



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— 0°-180°







70°	8.0
72.5°	6.7



(END OF REPORT)