

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: P432509

Luminaire Tested: **LAM4B208R359030DE010x1MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432509
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: LAM4B208R359030DE010x1MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1562.0 lumens
Efficiency: N/A
Efficacy: 75.8 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

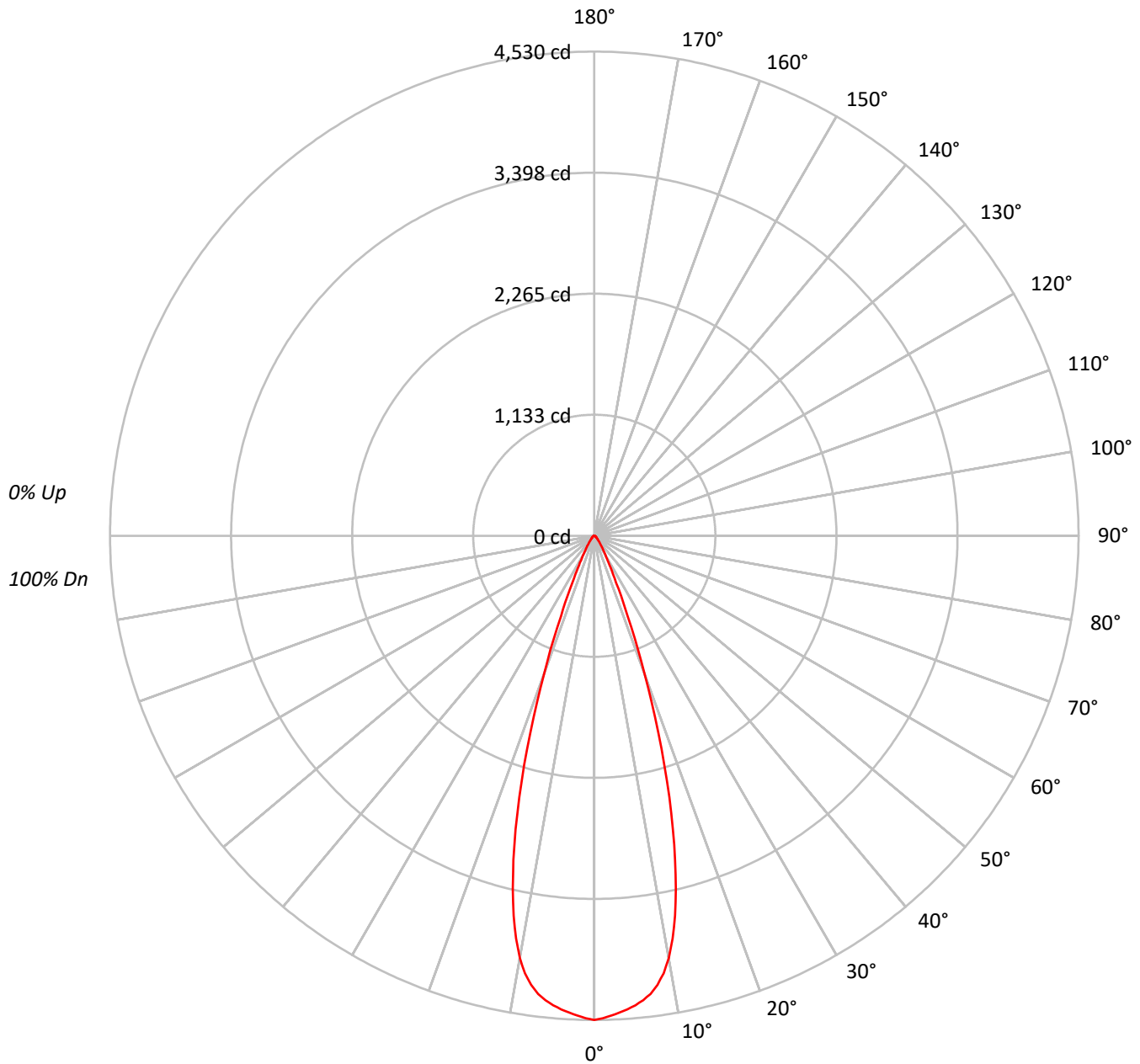
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2235256
5°	2183719
10°	2009574
15°	1452466
20°	717525
25°	263210
30°	118670
35°	64627
40°	40061
45°	27142
50°	20264
55°	17376
60°	15295
65°	14476
70°	13416
75°	11819
80°	13354
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.7	26.2
10°-20°	748.8	47.9
20°-30°	260.7	16.7
30°-40°	72.2	4.6
40°-50°	31.4	2.0
50°-60°	18.2	1.2
60°-70°	12.3	0.8
70°-80°	6.8	0.4
80°-90°	1.9	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°	1419.1	90.9
0°-40°	1491.4	95.5
0°-60°	1541.0	98.7
0°-90°	1562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4530	
5°	4409	410
15°	2844	749
25°	484	261
35°	107	72
45°	39	31
55°	20	18
65°	12	12
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4530.5
1°	4514.9
2°	4491.6
3°	4468.3
4°	4441.8
5°	4409.2
6°	4368.8
7°	4319.0
8°	4242.8
9°	4144.9
10°	4011.2
11°	3840.2
12°	3633.4
13°	3390.9
14°	3125.0
15°	2843.6
16°	2543.5
17°	2241.9
18°	1938.7
19°	1646.5
20°	1366.6
22.5°	814.7
25°	483.5
26°	402.7
27°	335.8
28°	284.5
29°	242.5
30°	208.3
32.5°	147.7
35°	107.3
37.5°	80.8
40°	62.2
42.5°	48.2
45°	38.9
47.5°	32.6
50°	26.4
52.5°	23.3
55°	20.2
57.5°	17.1
60°	15.5
62.5°	14.0
65°	12.4
67.5°	10.9



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CANDELA DISTRIBUTION (continued):

	0°
75°	6.2
77.5°	4.7
80°	4.7
82.5°	3.1
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







70°	9.3
72.5°	7.8



(END OF REPORT)