

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: P432681

Luminaire Tested: **LAM4B208R709035DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432681
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: LAM4B208R709035DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 70 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1603.8 lumens
Efficiency: N/A
Efficacy: 77.9 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

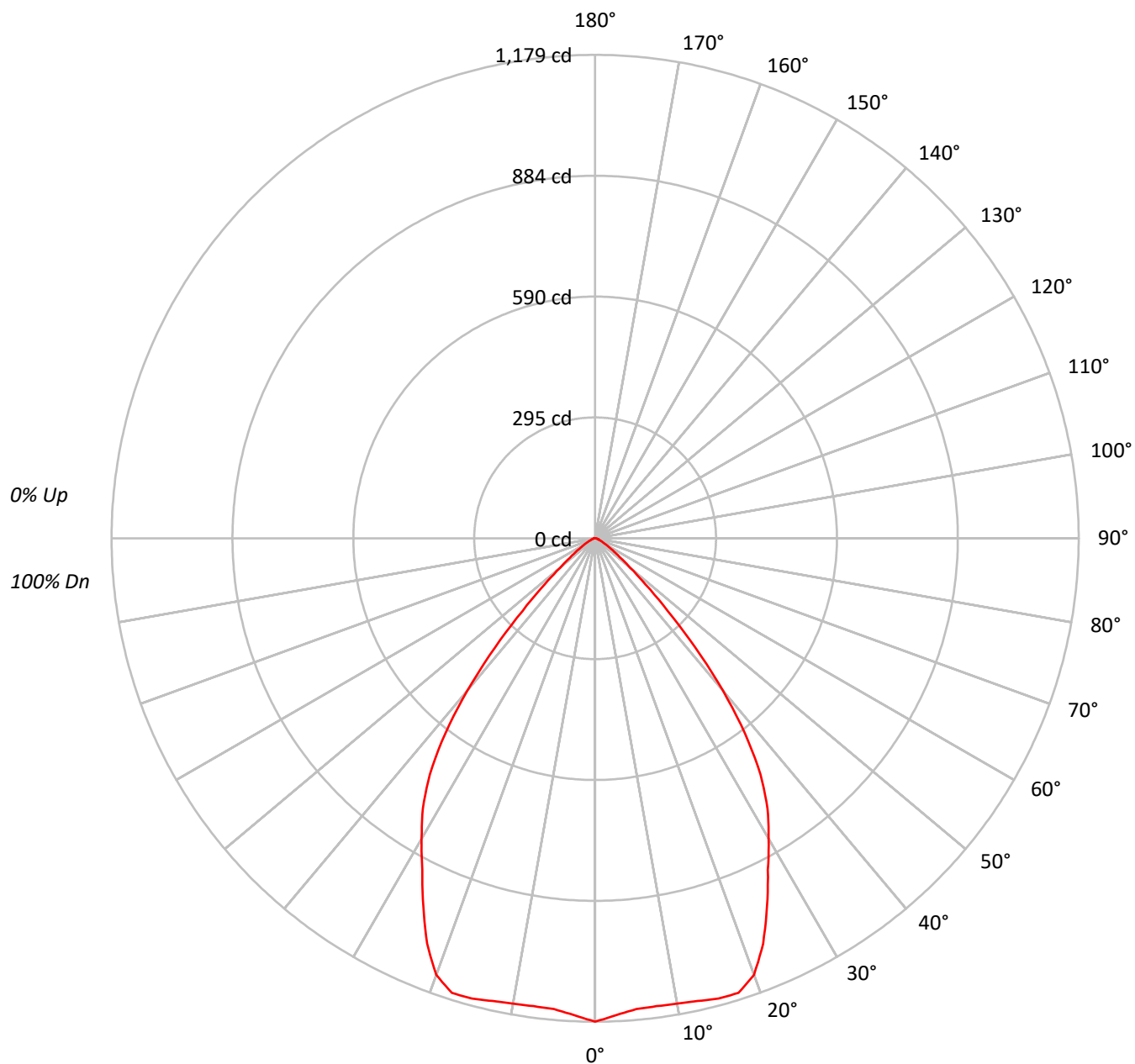
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	581645
5°	570792
10°	577392
15°	593735
20°	594769
25°	539594
30°	482142
35°	423421
40°	311790
45°	174645
50°	85967
55°	48170
60°	29208
65°	19263
70°	14281
75°	12581
80°	9376
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	6.9
10°-20°	327.5	20.4
20°-30°	454.5	28.3
30°-40°	427.7	26.7
40°-50°	204.2	12.7
50°-60°	54.0	3.4
60°-70°	17.0	1.1
70°-80°	6.9	0.4
80°-90°	1.8	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°	892.3	55.6
0°-40°	1319.9	82.3
0°-60°	1578.1	98.4
0°-90°	1603.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1603.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1179	
5°	1152	110
15°	1162	328
25°	991	455
35°	703	428
45°	250	204
55°	56	54
65°	16	17
75°	7	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1178.9
2.5°	1164.0
5°	1152.5
7.5°	1150.9
10°	1152.5
12.5°	1155.8
15°	1162.4
17.5°	1162.4
20°	1132.8
22.5°	1070.2
25°	991.2
27.5°	912.1
30°	846.3
32.5°	782.1
35°	703.0
37.5°	601.0
40°	484.1
42.5°	360.6
45°	250.3
47.5°	166.3
50°	112.0
52.5°	77.4
55°	56.0
57.5°	39.5
60°	29.6
62.5°	21.4
65°	16.5
67.5°	11.5
70°	9.9
72.5°	8.2
75°	6.6
77.5°	4.9
80°	3.3
82.5°	3.3
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)