

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: P432673

Luminaire Tested: **LAM4B208R709027DE010x1MB**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432673
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: LAM4B208R709027DE010x1MB
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 70 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1488.6 lumens
Efficiency: N/A
Efficacy: 72.3 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

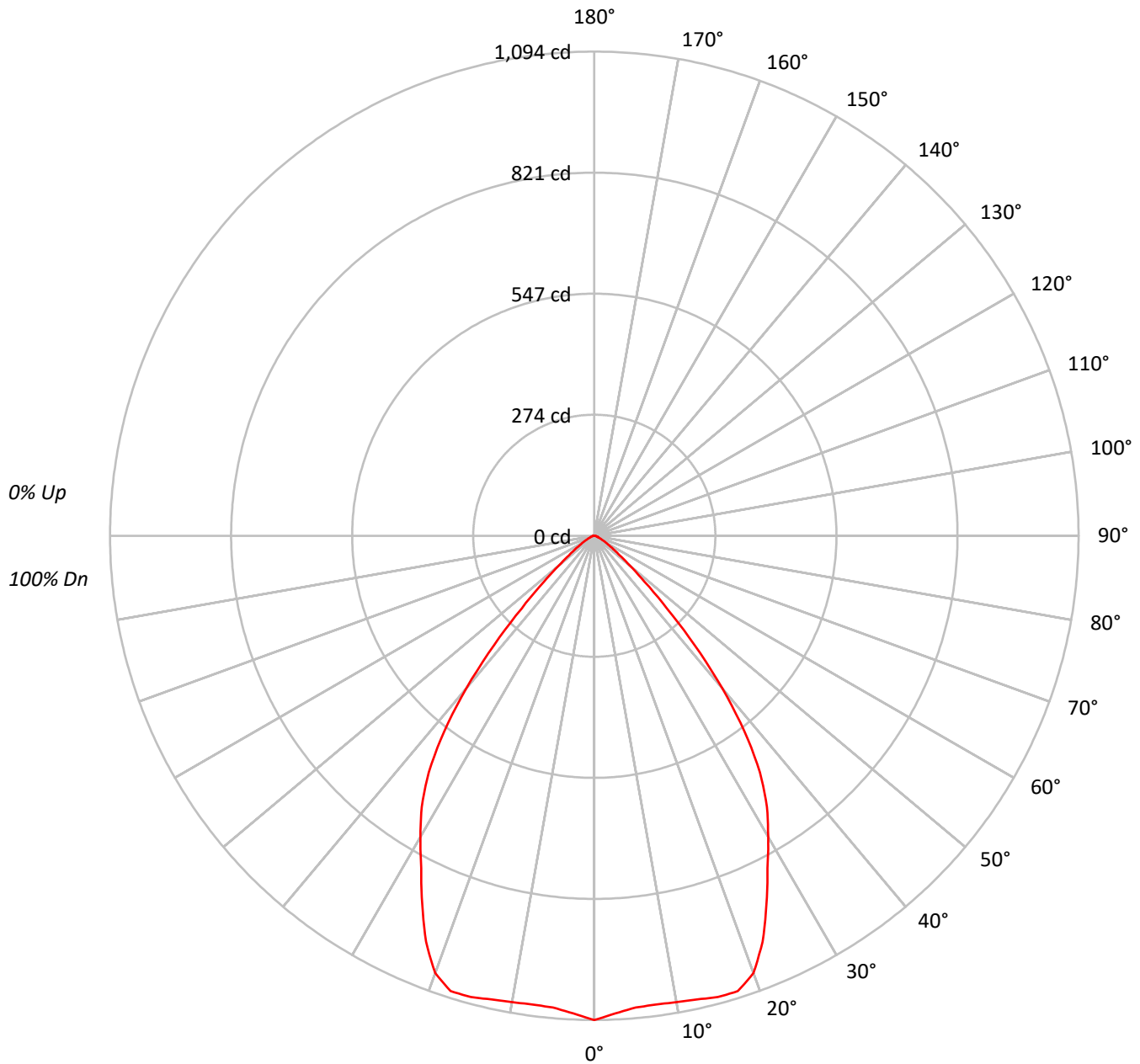
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	52	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°	539856
5°	529784
10°	535910
15°	551085
20°	552031
25°	500833
30°	447504
35°	393004
40°	289377
45°	162086
50°	79750
55°	44729
60°	27136
65°	17862
70°	13271
75°	11628
80°	8808
85°	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	6.9
10°-20°	304.0	20.4
20°-30°	421.9	28.3
30°-40°	396.9	26.7
40°-50°	189.5	12.7
50°-60°	50.1	3.4
60°-70°	15.8	1.1
70°-80°	6.4	0.4
80°-90°	1.7	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°	828.2	55.6
0°-40°	1225.1	82.3
0°-60°	1464.7	98.4
0°-90°	1488.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1094	
5°	1070	102
15°	1079	304
25°	920	422
35°	652	397
45°	232	189
55°	52	50
65°	15	16
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1094.2
2.5°	1080.4
5°	1069.7
7.5°	1068.2
10°	1069.7
12.5°	1072.8
15°	1078.9
17.5°	1078.9
20°	1051.4
22.5°	993.3
25°	920.0
27.5°	846.6
30°	785.5
32.5°	725.9
35°	652.5
37.5°	557.8
40°	449.3
42.5°	334.7
45°	232.3
47.5°	154.3
50°	103.9
52.5°	71.8
55°	52.0
57.5°	36.7
60°	27.5
62.5°	19.9
65°	15.3
67.5°	10.7
70°	9.2
72.5°	7.6
75°	6.1
77.5°	4.6
80°	3.1
82.5°	3.1
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)