

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: P433899

Luminaire Tested: **LAMR4B208R659027DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-22)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B208R659027DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 65 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1478.8 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.97
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

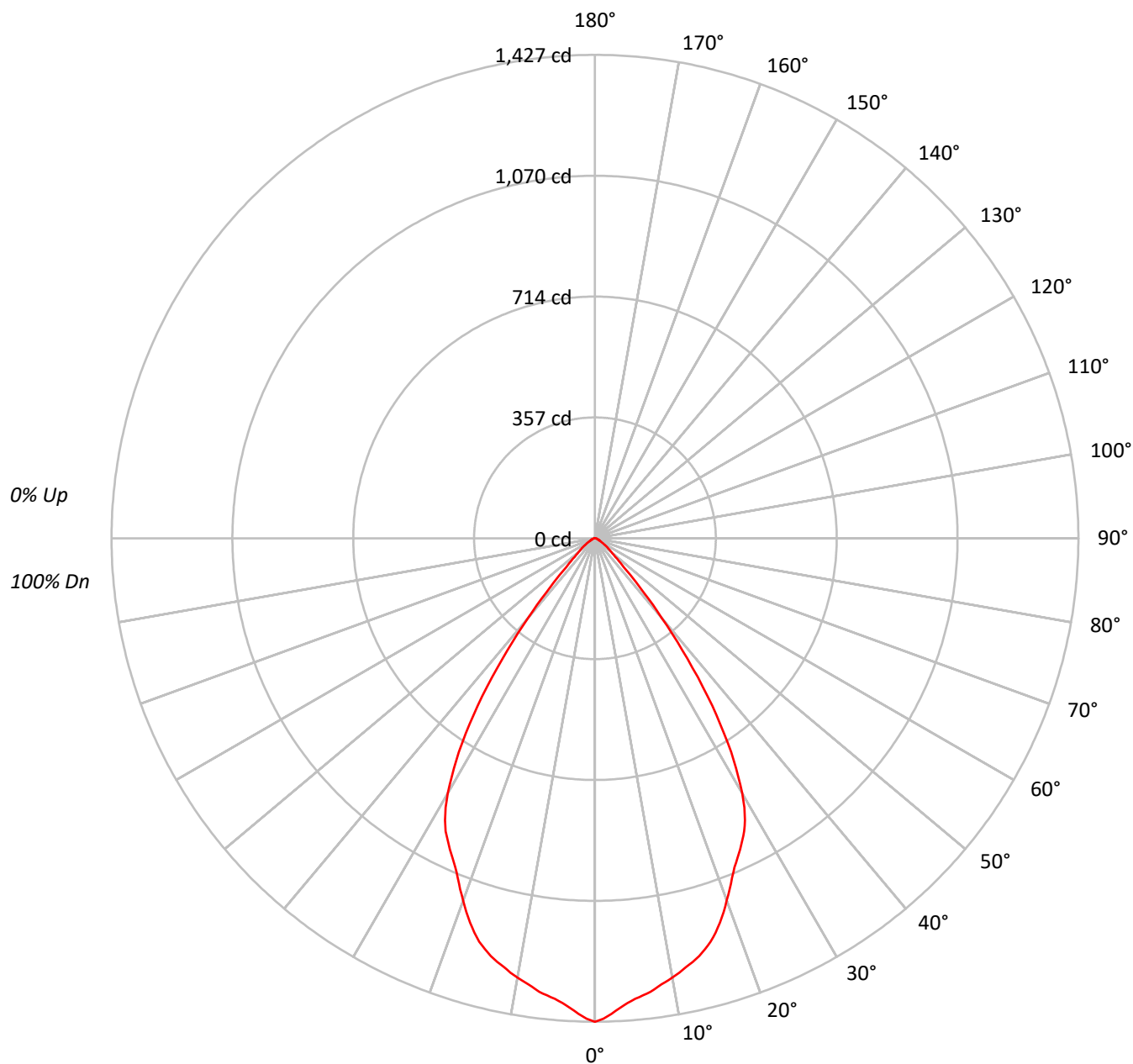
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	704250
5°	675788
10°	659805
15°	641392
20°	597290
25°	551679
30°	495245
35°	363853
40°	196503
45°	84497
50°	47052
55°	32945
60°	21215
65°	16111
70°	13271
75°	11628
80°	13070
85°	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	8.7
10°-20°	350.4	23.7
20°-30°	464.5	31.4
30°-40°	367.8	24.9
40°-50°	109.6	7.4
50°-60°	35.1	2.4
60°-70°	14.0	0.9
70°-80°	6.7	0.5
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°	943.8	63.8
0°-40°	1311.6	88.7
0°-60°	1456.2	98.5
0°-90°	1478.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1478.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1427	
5°	1364	129
15°	1256	350
25°	1013	464
35°	604	368
45°	121	110
55°	38	35
65°	14	14
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1427.4
1°	1418.2
2°	1404.4
3°	1389.1
4°	1375.3
5°	1364.5
6°	1356.9
7°	1349.2
8°	1336.9
9°	1326.2
10°	1317.0
11°	1306.3
12°	1294.0
13°	1283.3
14°	1271.0
15°	1255.7
16°	1238.8
17°	1217.3
18°	1192.8
19°	1166.7
20°	1137.6
21°	1110.0
22°	1080.9
23°	1054.8
24°	1033.4
25°	1013.4
26°	992.0
27°	970.5
28°	942.9
29°	909.2
30°	869.3
32.5°	748.2
35°	604.1
37.5°	447.7
40°	305.1
42.5°	193.2
45°	121.1
47.5°	81.3
50°	61.3
52.5°	49.1
55°	38.3
57.5°	29.1
60°	21.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.7
70°	9.2
72.5°	7.7
75°	6.1
77.5°	4.6
80°	4.6
82.5°	3.1
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°	16.9
65°	13.8



(END OF REPORT)