

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: P433895

Luminaire Tested: **LAMR4B208R659024DE010x1MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433895
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: LAMR4B208R659024DE010x1MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 65 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1355.8 lumens
Efficiency: N/A
Efficacy: 65.8 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

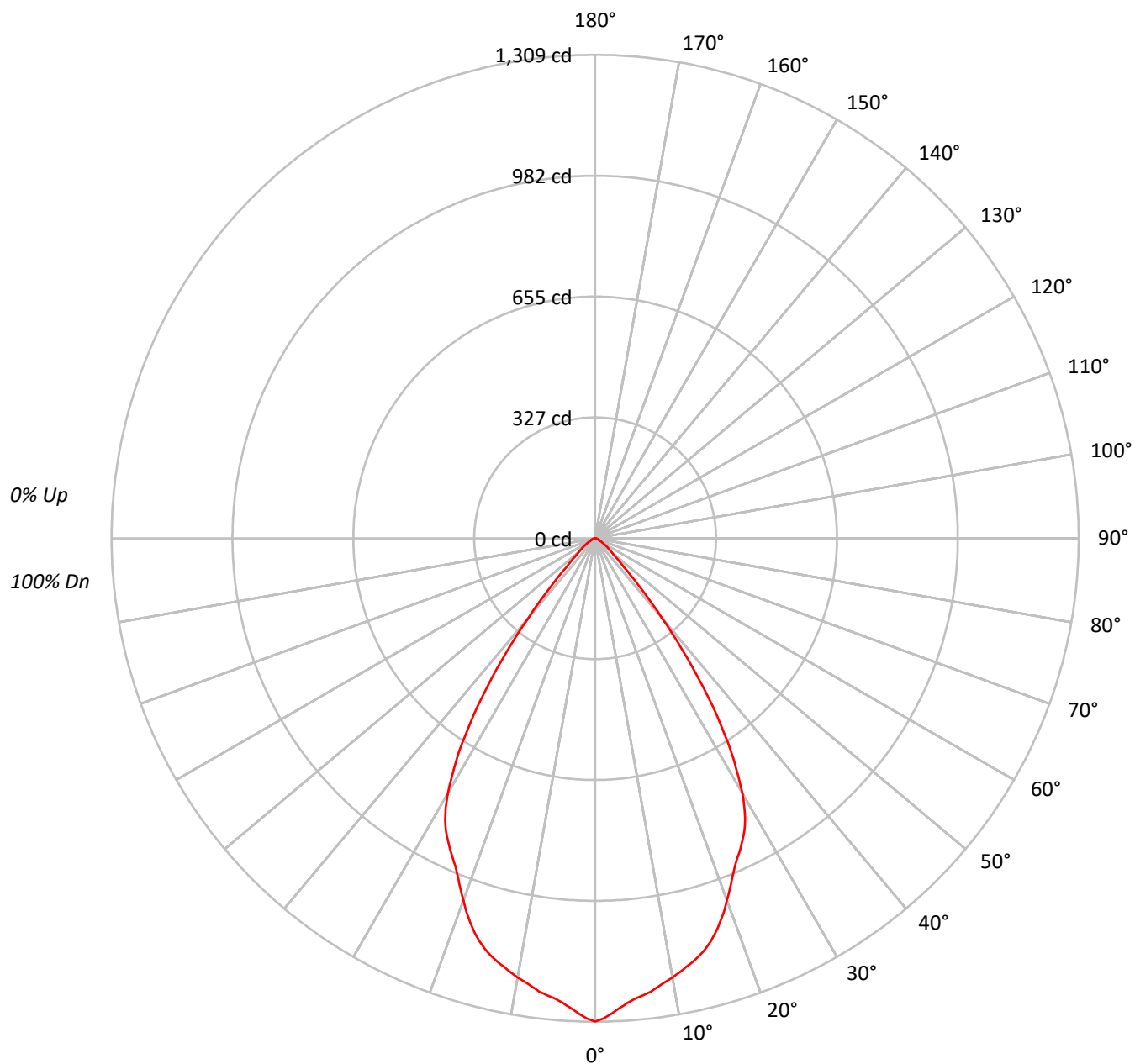
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	645686
5°	619625
10°	604946
15°	588066
20°	547620
25°	505842
30°	454055
35°	333557
40°	180144
45°	77450
50°	43137
55°	30192
60°	19439
65°	14826
70°	12117
75°	10675
80°	11933
85°	7925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	8.7
10°-20°	321.2	23.7
20°-30°	425.8	31.4
30°-40°	337.2	24.9
40°-50°	100.4	7.4
50°-60°	32.2	2.4
60°-70°	12.8	0.9
70°-80°	6.1	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°	865.3	63.8
0°-40°	1202.5	88.7
0°-60°	1335.1	98.5
0°-90°	1355.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1309	
5°	1251	118
15°	1151	321
25°	929	426
35°	554	337
45°	111	100
55°	35	32
65°	13	13
75°	6	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1308.7
1°	1300.3
2°	1287.6
3°	1273.6
4°	1260.9
5°	1251.1
6°	1244.0
7°	1237.0
8°	1225.8
9°	1215.9
10°	1207.5
11°	1197.6
12°	1186.4
13°	1176.6
14°	1165.3
15°	1151.3
16°	1135.8
17°	1116.1
18°	1093.6
19°	1069.7
20°	1043.0
21°	1017.7
22°	991.0
23°	967.1
24°	947.4
25°	929.2
26°	909.5
27°	889.8
28°	864.5
29°	833.6
30°	797.0
32.5°	686.0
35°	553.8
37.5°	410.5
40°	279.7
42.5°	177.1
45°	111.0
47.5°	74.5
50°	56.2
52.5°	45.0
55°	35.1
57.5°	26.7
60°	19.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.8
70°	8.4
72.5°	7.0
75°	5.6
77.5°	4.2
80°	4.2
82.5°	2.8
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°		15.5
65°		12.7



(END OF REPORT)