

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: P433745

Luminaire Tested: **LAMR4B208R309727DE010x1MMS**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-857-8)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B208R309727DE010x1MMS
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 30 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1374.9 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

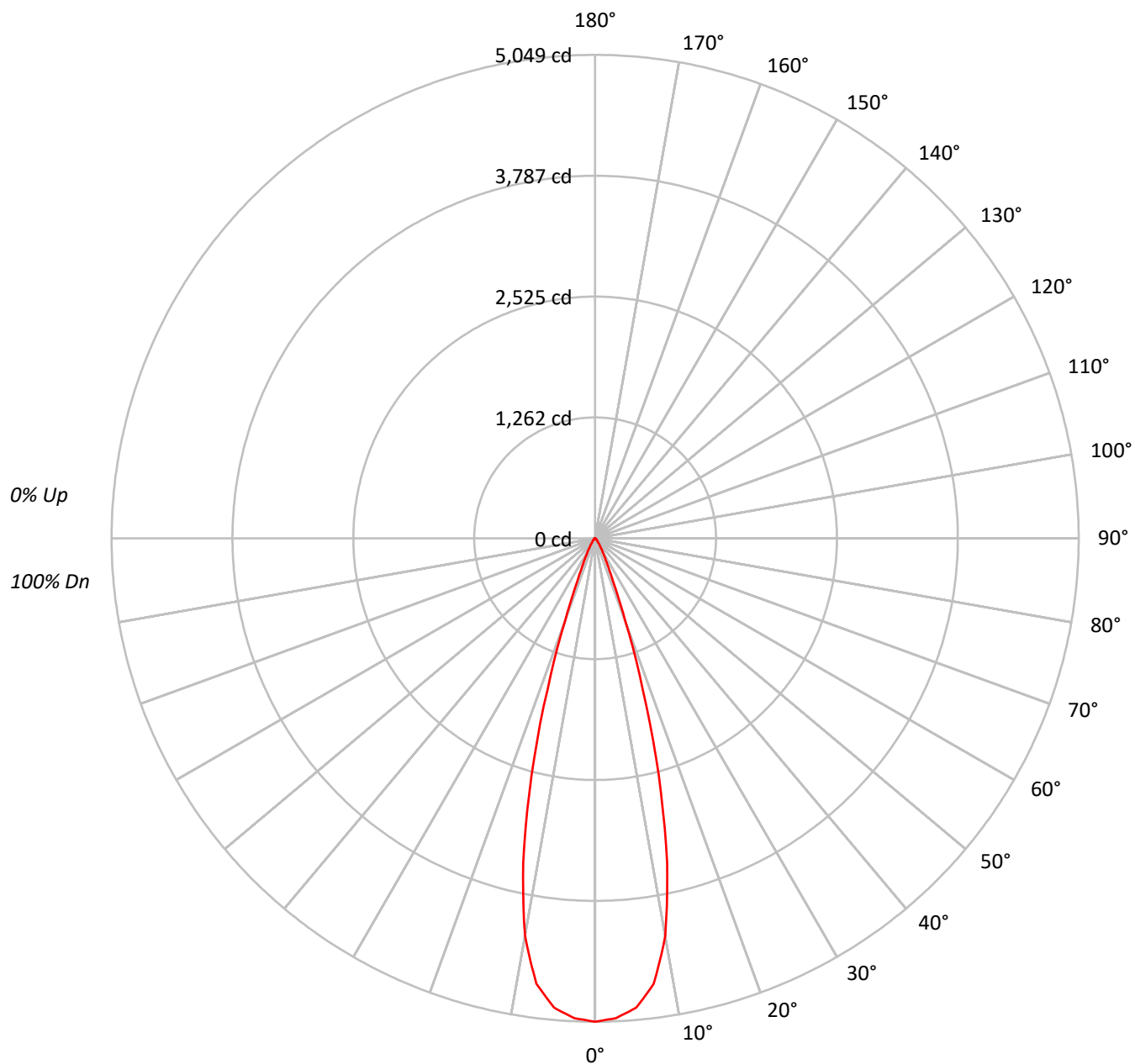
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107		107	105	104			103	102	101			100
2	111	107	104	102	109	106	103	100		102	100	98			100	98	96			97
3	107	103	99	96	105	101	98	95		99	96	94			96	94	92			94
4	104	98	94	91	102	97	94	91		95	92	90			93	91	89			92
5	101	95	91	87	99	94	90	87		92	89	86			91	88	86			89
6	98	91	87	84	97	91	87	84		89	86	83			88	85	83			87
7	95	88	84	81	94	88	84	81		87	83	81			86	83	80			85
8	92	86	81	79	91	85	81	78		84	81	78			83	80	78			83
9	90	83	79	76	89	83	79	76		82	78	76			81	78	76			80
10	88	81	77	74	87	80	77	74		80	76	74			79	76	74			78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2491271
5°	2436848
10°	2112878
15°	1309548
20°	479995
25°	160430
30°	78733
35°	39270
40°	24346
45°	15490
50°	10976
55°	8946
60°	7697
65°	6071
70°	7501
75°	7434
80°	7387
85°	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.4	32.6
10°-20°	677.0	49.2
20°-30°	165.1	12.0
30°-40°	45.2	3.3
40°-50°	18.2	1.3
50°-60°	9.7	0.7
60°-70°	5.8	0.4
70°-80°	4.5	0.3
80°-90°	1.1	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°	1290.5	93.9
0°-40°	1335.7	97.1
0°-60°	1363.6	99.2
0°-90°	1374.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1374.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5049	
5°	4920	448
15°	2564	677
25°	295	165
35°	65	45
45°	22	18
55°	10	10
65°	5	6
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5049.4
2.5°	5015.5
5°	4920.3
7.5°	4693.4
10°	4217.4
12.5°	3471.5
15°	2563.8
17.5°	1652.3
20°	914.2
22.5°	487.7
25°	294.7
27.5°	199.5
30°	138.2
32.5°	93.9
35°	65.2
37.5°	48.3
40°	37.8
42.5°	28.7
45°	22.2
47.5°	18.3
50°	14.3
52.5°	13.0
55°	10.4
57.5°	9.1
60°	7.8
62.5°	6.5
65°	5.2
67.5°	5.2
70°	5.2
72.5°	5.2
75°	3.9
77.5°	3.9
80°	2.6
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)