

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: P433563

Luminaire Tested: **LAMR4B108R609027DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2009-969-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B108R609027DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 60 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 719.7 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.89
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

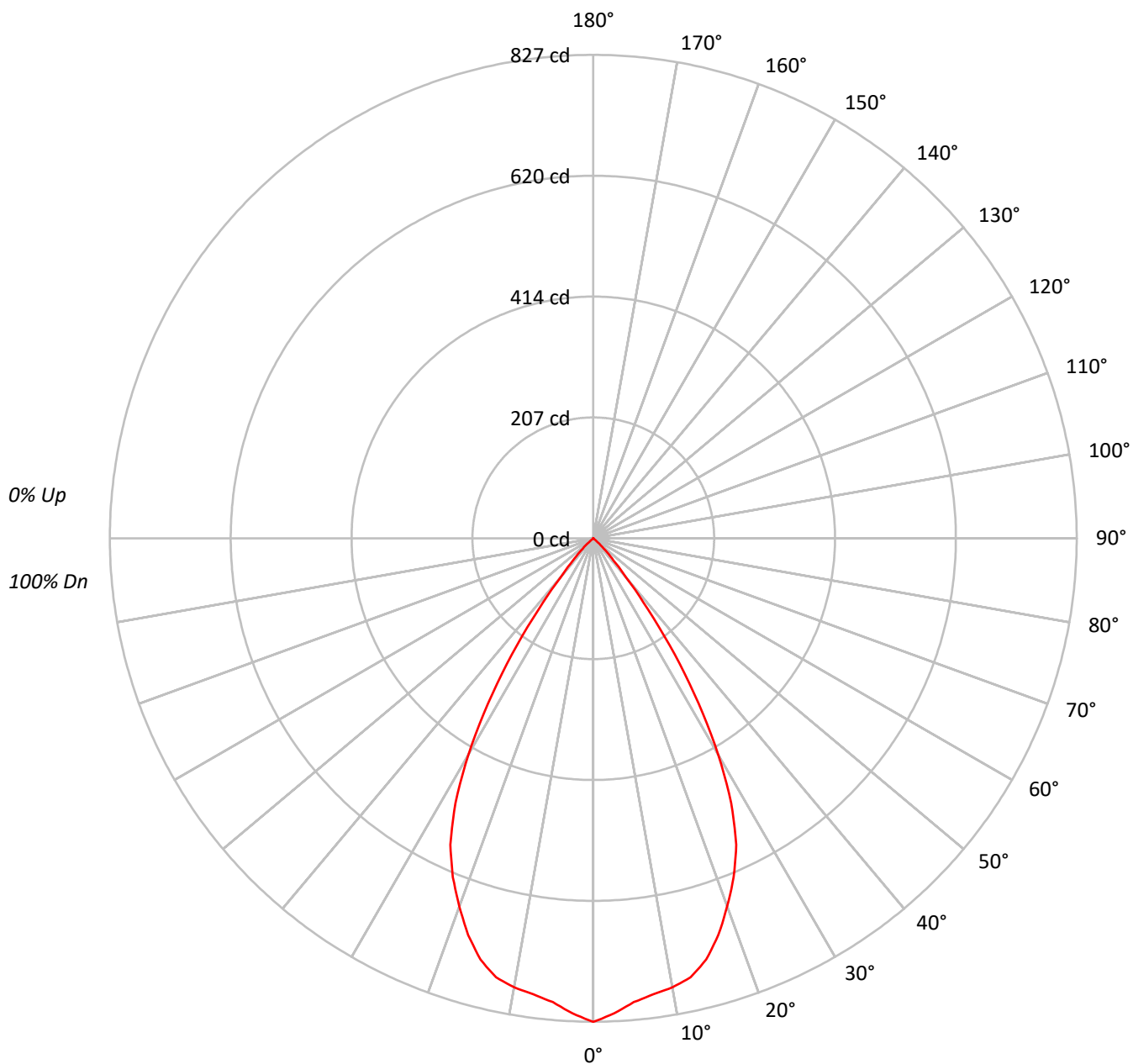
Input Watts (W): 11.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106		111	109	107	105		105	103	102		101	100	99		98	97	96
2	108	104	100	96		106	102	98	95		99	96	93		96	93	91		93	91	89
3	103	97	92	88		101	96	91	88		93	89	86		91	87	85		88	86	84
4	98	91	85	81		96	90	85	81		88	83	80		86	82	79		84	81	78
5	93	85	80	75		92	84	79	75		83	78	74		81	77	74		79	76	73
6	89	80	74	70		87	79	74	70		78	73	69		76	72	69		75	71	69
7	84	75	70	66		83	75	69	65		74	69	65		72	68	65		71	67	64
8	80	71	65	61		79	71	65	61		70	65	61		69	64	61		68	64	61
9	77	67	62	58		76	67	61	58		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		63	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	408173
5°	394478
10°	390773
15°	381096
20°	351727
25°	314981
30°	243720
35°	145999
40°	56098
45°	20514
50°	768
55°	602
60°	691
65°	350
70°	433
75°	572
80°	852
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	10.5
10°-20°	207.6	28.8
20°-30°	258.9	36.0
30°-40°	150.9	21.0
40°-50°	25.2	3.5
50°-60°	0.7	0.1
60°-70°	0.4	0.1
70°-80°	0.3	0.0
80°-90°	0.1	0.0
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°	542.1	75.3
0°-40°	693.0	96.3
0°-60°	718.8	99.9
0°-90°	719.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	719.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	827	
5°	796	76
15°	746	208
25°	579	259
35°	242	151
45°	29	25
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	827.3
2.5°	813.6
5°	796.5
7.5°	786.7
10°	780.0
12.5°	769.2
15°	746.1
17.5°	711.5
20°	669.9
22.5°	627.5
25°	578.6
27.5°	510.7
30°	427.8
32.5°	335.1
35°	242.4
37.5°	152.9
40°	87.1
42.5°	51.1
45°	29.4
47.5°	10.1
50°	1.0
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)