

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: P433539

Luminaire Tested: **LAMR4B108R559027DE010x1MW**

Issue Date: 11/23/2020

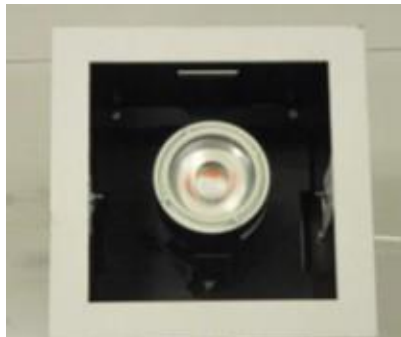
Test Information

Test Method: LM-41-14
Report Number: P433539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-898-142)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B108R559027DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 55 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 764.4 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.81
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

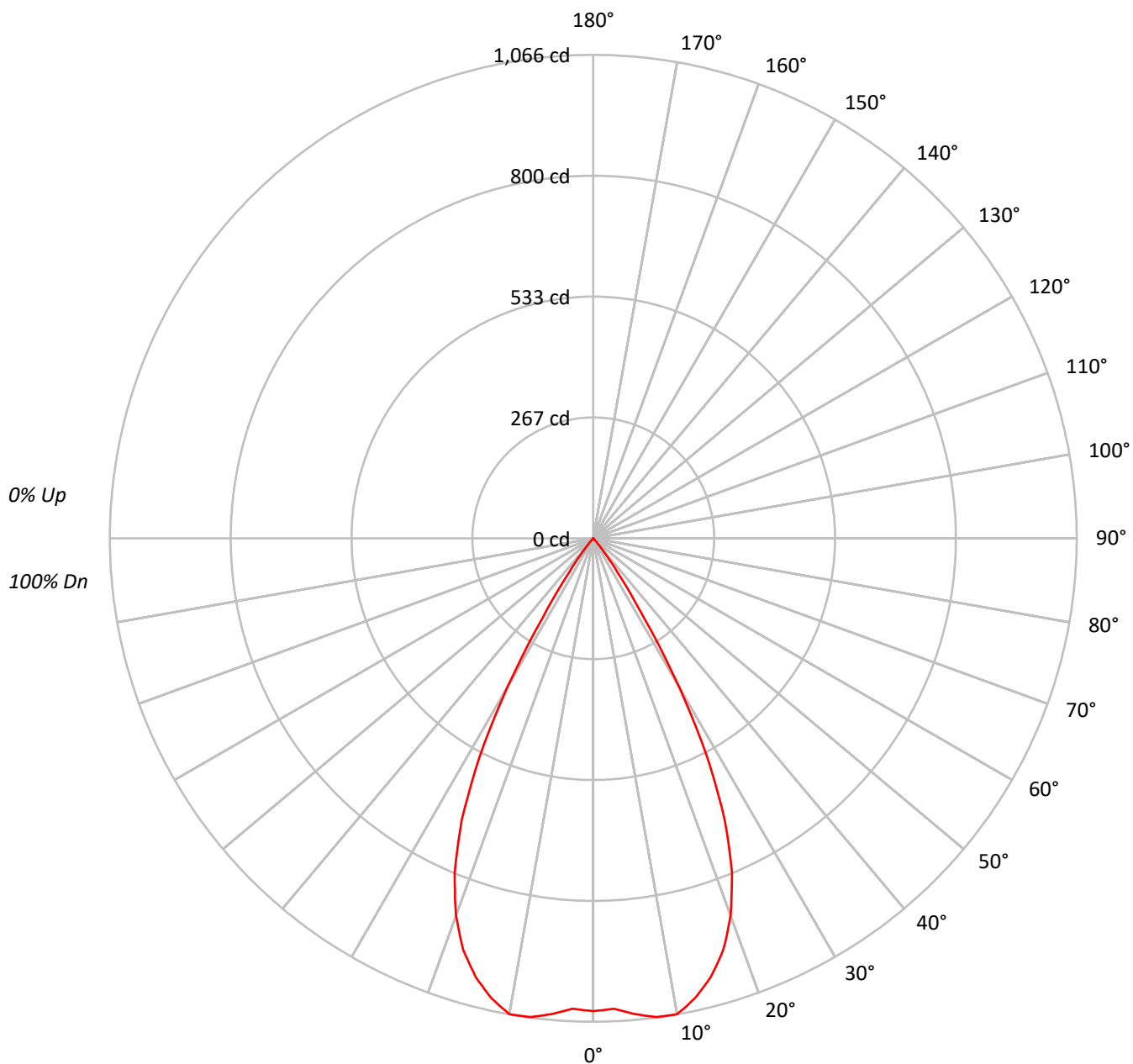
Input Watts (W): 11.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P433539

CATALOG NUMBER: LAMR4B108R559027DE010x1MW

Luminous Intensity Polar Plot





TEST NUMBER: P433539

CATALOG NUMBER: LAMR4B108R559027DE010x1MW

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	114	112	109	107	112	110	108	106		105	104	102			102	101	99			98
2	109	105	101	98	107	103	100	97		100	97	95			97	95	93			94
3	105	99	95	91	103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85	99	92	88	85		90	87	84			88	85	83			87
5	96	89	83	80	94	88	83	79		86	82	79			84	81	78			83
6	92	84	79	75	91	83	78	75		82	78	74			81	77	74			79
7	88	80	75	71	87	79	74	71		78	74	70			77	73	70			76
8	84	76	71	67	83	75	70	67		74	70	67			73	69	66			72
9	81	72	67	64	80	72	67	63		71	66	63			70	66	63			69
10	78	69	64	60	77	69	64	60		68	63	60			67	63	60			66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	514447
5°	521662
10°	533856
15°	511550
20°	464769
25°	373502
30°	215007
35°	62399
40°	9532
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P433539

CATALOG NUMBER: LAMR4B108R559027DE010x1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	13.2
10°-20°	278.6	36.5
20°-30°	300.8	39.3
30°-40°	82.3	10.8
40°-50°	1.7	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	680.4	89.0
0°-40°	762.7	99.8
0°-60°	764.4	100.0
0°-90°	764.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1043	
5°	1053	101
15°	1002	279
25°	686	301
35°	104	82
45°	0	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P433539

CATALOG NUMBER: LAMR4B108R559027DE010x1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1042.7
2.5°	1038.5
5°	1053.3
7.5°	1064.9
10°	1065.6
12.5°	1038.5
15°	1001.5
17.5°	952.5
20°	885.2
22.5°	798.5
25°	686.1
27.5°	542.7
30°	377.4
32.5°	206.9
35°	103.6
37.5°	44.4
40°	14.8
42.5°	2.1
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)