

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: P434179

Luminaire Tested: **LAMR4B308R559730DE01021MB**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434179
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: LAMR4B308R559730DE01021MB
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 55 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2222.3 lumens
Efficiency: N/A
Efficacy: 69.7 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

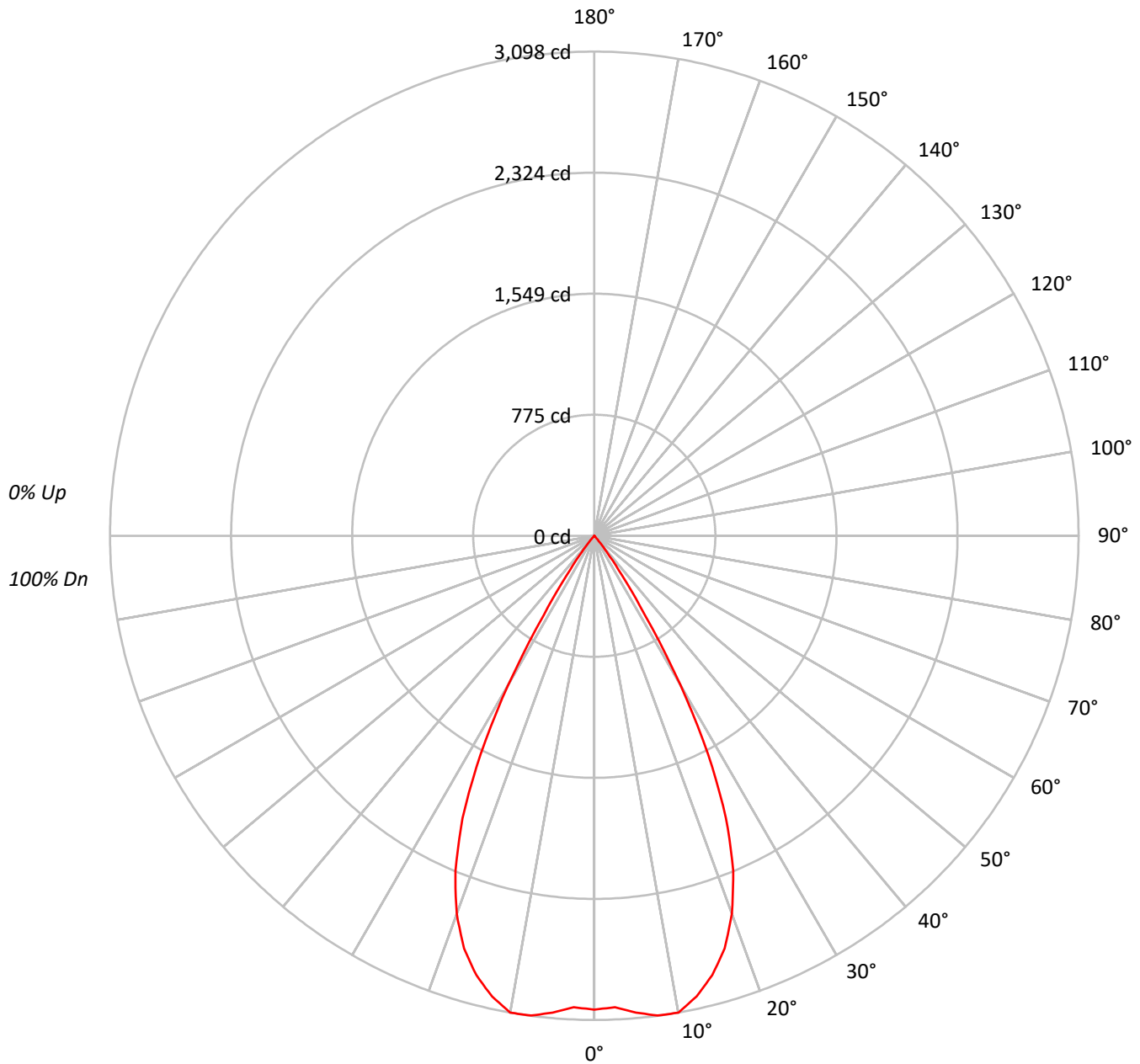
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P434179

CATALOG NUMBER: LAMR4B308R559730DE01021MB

Luminous Intensity Polar Plot





TEST NUMBER: P434179

CATALOG NUMBER: LAMR4B308R559730DE01021MB

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°	1495680
5°	1516598
10°	1552119
15°	1487199
20°	1351200
25°	1085883
30°	625081
35°	181414
40°	27695
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P434179

CATALOG NUMBER: LAMR4B308R559730DE01021MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	13.2
10°-20°	810.1	36.5
20°-30°	874.4	39.3
30°-40°	239.2	10.8
40°-50°	5.0	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°	1978.1	89.0
0°-40°	2217.3	99.8
0°-60°	2222.3	100.0
0°-90°	2222.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2222.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3032	
5°	3062	294
15°	2912	810
25°	1995	874
35°	301	239
45°	0	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P434179

CATALOG NUMBER: LAMR4B308R559730DE01021MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3031.5
2.5°	3019.2
5°	3062.2
7.5°	3096.0
10°	3098.1
12.5°	3019.2
15°	2911.6
17.5°	2769.2
20°	2573.5
22.5°	2321.5
25°	1994.7
27.5°	1577.7
30°	1097.2
32.5°	601.4
35°	301.2
37.5°	129.1
40°	43.0
42.5°	6.1
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)