

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: P434131

Luminaire Tested: **LAMR4B308R459730DE01021MB**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P434131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-8)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R459730DE01021MB
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 45 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2218.7 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.66
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

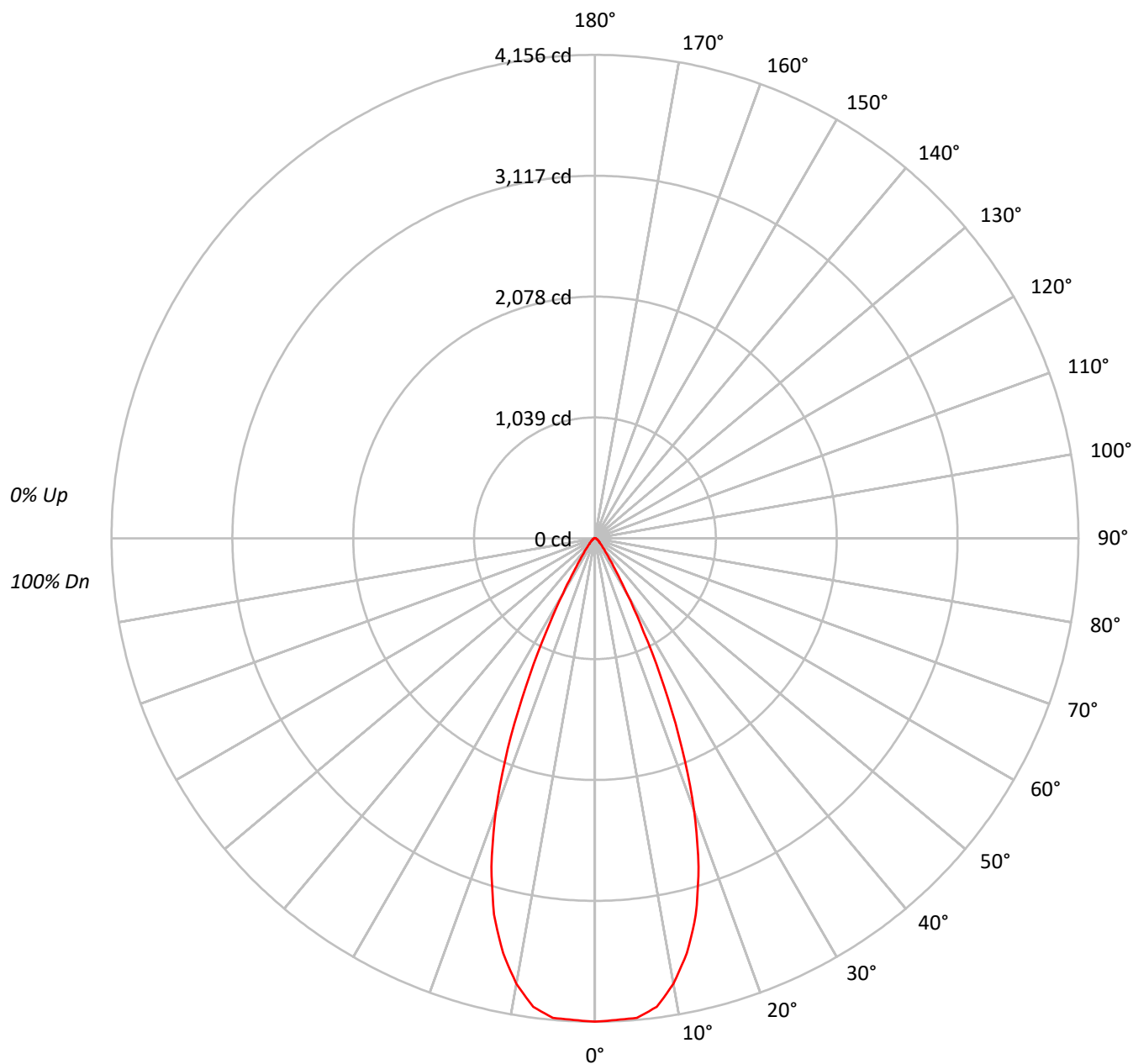
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P434131

CATALOG NUMBER: LAMR4B308R459730DE01021MB

Luminous Intensity Polar Plot





TEST NUMBER: P434131

CATALOG NUMBER: LAMR4B308R459730DE01021MB

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	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	94	91	103	98	93	90	95	92	89		93	90	87		90
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	79	76	91	84	79	75	82	78	75		81	77	74		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74
9	82	74	69	65	81	73	68	65	72	68	65		72	68	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2050239
5°	2049552
10°	1948102
15°	1711280
20°	1309091
25°	764206
30°	312768
35°	132266
40°	72135
45°	46540
50°	36382
55°	31483
60°	25458
65°	20080
70°	18609
75°	16394
80°	18468
85°	12454



TEST NUMBER: P434131

CATALOG NUMBER: LAMR4B308R459730DE01021MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.2	17.5
10°-20°	912.1	41.1
20°-30°	642.6	29.0
30°-40°	158.2	7.1
40°-50°	55.2	2.5
50°-60°	32.7	1.5
60°-70°	18.1	0.8
70°-80°	9.9	0.4
80°-90°	2.6	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°	1942.0	87.5
0°-40°	2100.1	94.7
0°-60°	2188.0	98.6
0°-90°	2218.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2218.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4156	
5°	4138	387
15°	3350	912
25°	1404	643
35°	220	158
45°	67	55
55°	37	33
65°	17	18
75°	9	10
85°	2	3
90°	0	



TEST NUMBER: P434131

CATALOG NUMBER: LAMR4B308R459730DE01021MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	4155.5
2.5°	4144.8
5°	4138.3
7.5°	4062.9
10°	3888.5
12.5°	3651.7
15°	3350.3
17.5°	2960.5
20°	2493.3
22.5°	1957.2
25°	1403.8
27.5°	906.5
30°	549.0
32.5°	333.7
35°	219.6
37.5°	155.0
40°	112.0
42.5°	86.1
45°	66.7
47.5°	56.0
50°	47.4
52.5°	40.9
55°	36.6
57.5°	32.3
60°	25.8
62.5°	21.5
65°	17.2
67.5°	15.1
70°	12.9
72.5°	10.8
75°	8.6
77.5°	8.6
80°	6.5
82.5°	4.3
85°	2.2
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)