

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: P433401

Luminaire Tested: **LAMR4B108R259035DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1911-585-5)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B108R259035DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 25 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 834.9 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

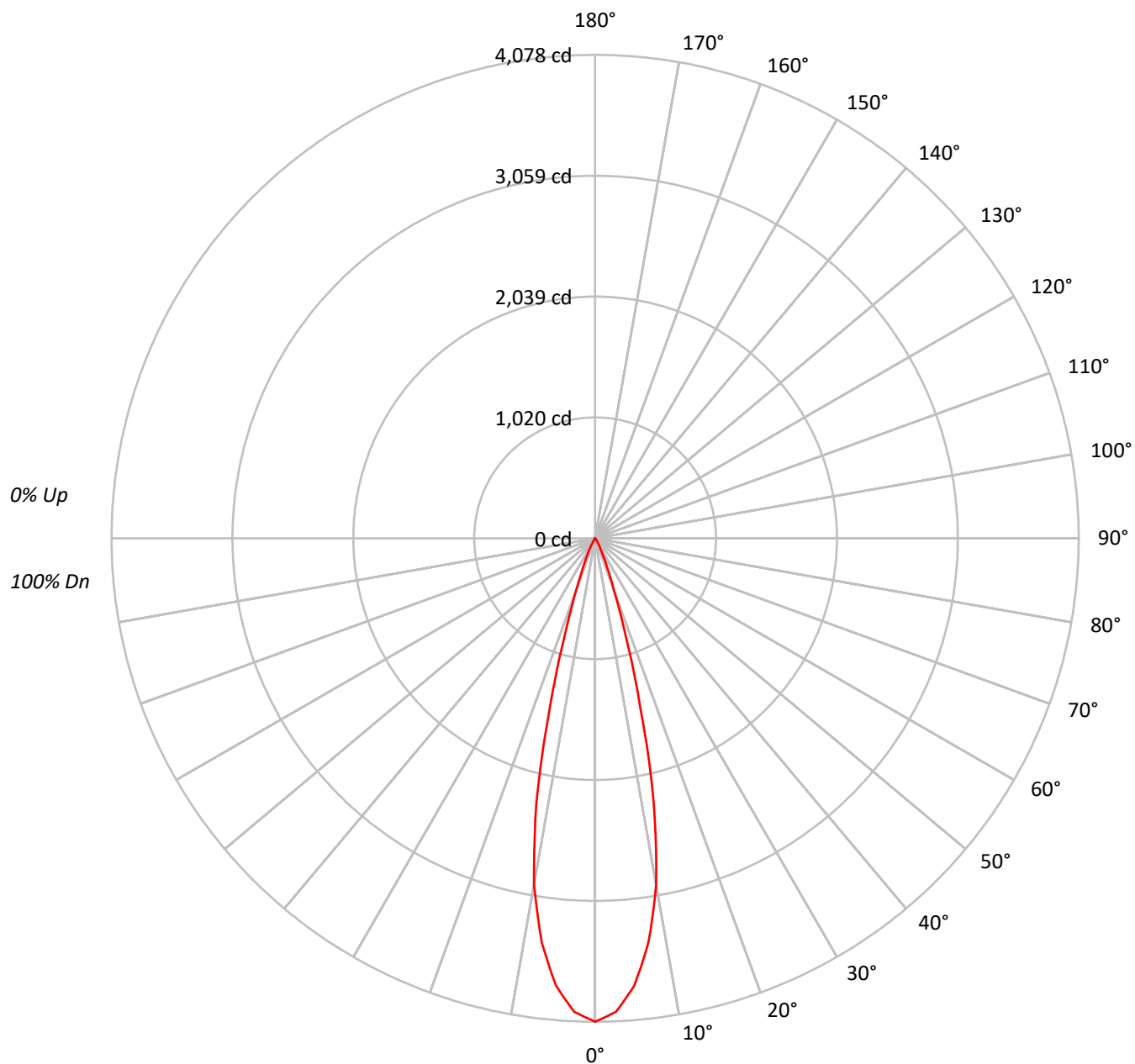
Input Watts (W): 11.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P433401

CATALOG NUMBER: LAMR4B108R259035DE010x1MW

Luminous Intensity Polar Plot





TEST NUMBER: P433401

CATALOG NUMBER: LAMR4B108R259035DE010x1MW

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	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	103	110	107	104	102	104	102	100		101	99	98		98
3	109	104	101	99	107	103	100	98	101	98	96		99	96	95		96
4	106	101	97	95	104	100	97	94	98	95	93		96	94	92		94
5	103	98	94	91	102	97	93	91	95	92	90		94	91	89		92
6	100	95	91	88	99	94	91	88	93	90	87		92	89	87		91
7	98	92	88	86	97	92	88	86	91	87	85		90	87	85		89
8	96	90	86	83	95	89	86	83	88	85	83		88	85	83		87
9	94	88	84	81	93	87	84	81	86	83	81		86	83	81		85
10	91	85	82	79	91	85	82	79	84	81	79		84	81	79		83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	657062
5°	612689
10°	485156
15°	244159
20°	78349
25°	27393
30°	9171
35°	1849
40°	610
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P433401

CATALOG NUMBER: LAMR4B108R259035DE010x1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.4	40.2
10°-20°	406.8	48.7
20°-30°	82.8	9.9
30°-40°	9.4	1.1
40°-50°	0.5	0.1
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°	825.0	98.8
0°-40°	834.4	99.9
0°-60°	834.9	100.0
0°-90°	834.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4078	
5°	3789	335
15°	1464	407
25°	154	83
35°	9	9
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P433401

CATALOG NUMBER: LAMR4B108R259035DE010x1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4078.5
2.5°	3999.7
5°	3788.6
7.5°	3440.4
10°	2965.7
12.5°	2285.8
15°	1463.9
17.5°	824.7
20°	457.0
22.5°	260.4
25°	154.1
27.5°	92.2
30°	49.3
32.5°	21.6
35°	9.4
37.5°	5.8
40°	2.9
42.5°	1.1
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)