

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: P433030

Luminaire Tested: **LAM4B408R159024DE01021MB**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1911-585-6)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B408R159024DE01021MB
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 15 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2823.2 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

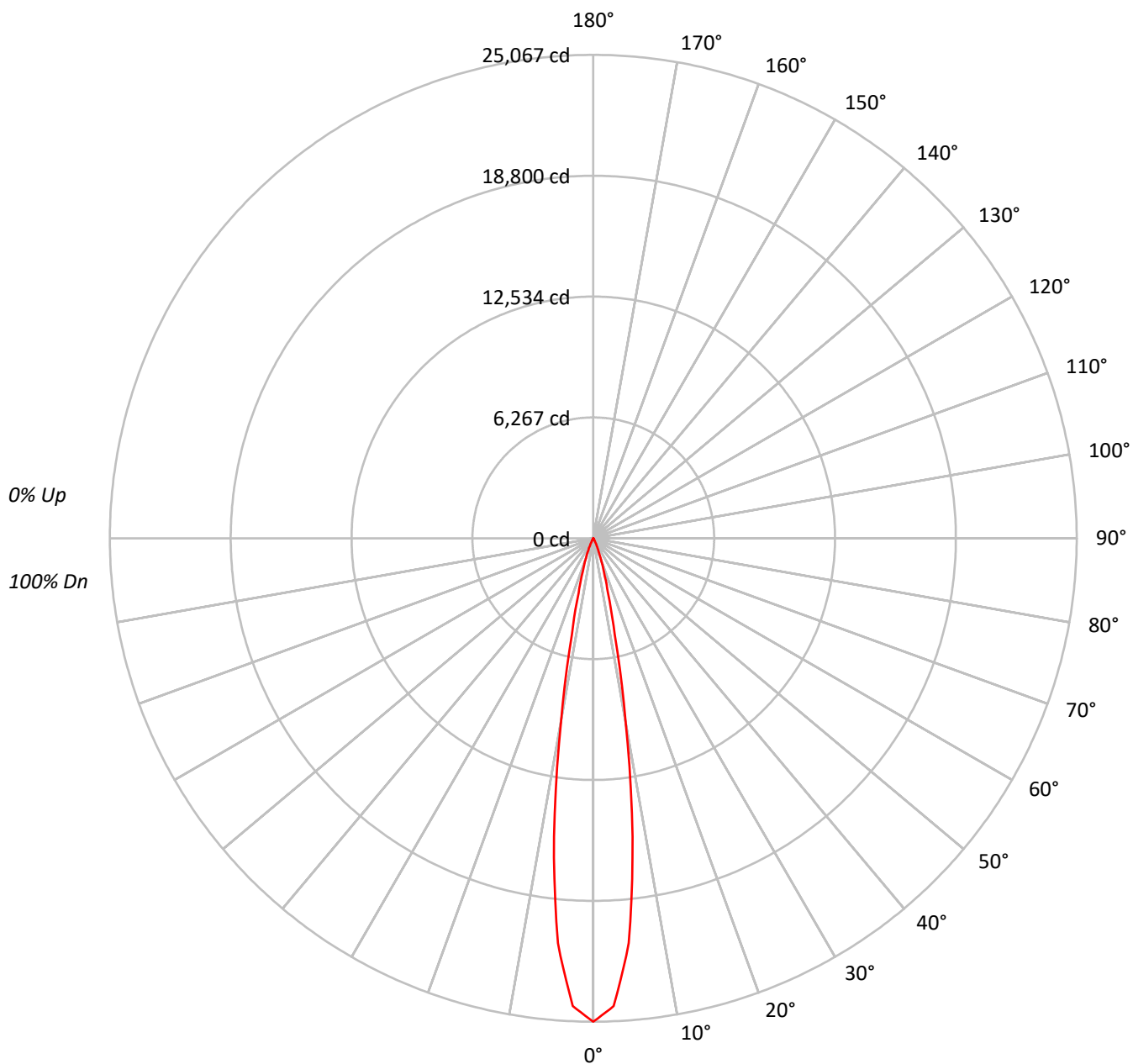
Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P433030

CATALOG NUMBER: LAM4B408R159024DE01021MB

Luminous Intensity Polar Plot





TEST NUMBER: P433030

CATALOG NUMBER: LAM4B408R159024DE01021MB

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	116	114	112	111		113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105		111	108	106	104		105	103	102		102	101	100		100	99	98
3	110	106	103	101		108	105	102	100		103	100	98		100	99	97		98	97	96
4	108	103	100	97		106	102	99	97		100	98	96		98	96	95		97	95	94
5	105	101	97	95		104	100	97	94		98	96	94		97	95	93		95	94	92
6	103	98	95	92		102	98	94	92		96	94	92		95	93	91		94	92	91
7	101	96	93	90		100	96	92	90		95	92	90		94	91	89		93	91	89
8	99	94	91	89		99	94	91	89		93	90	88		92	90	88		91	89	88
9	98	92	89	87		97	92	89	87		91	89	87		91	88	87		90	88	86
10	96	91	88	86		95	91	88	86		90	87	85		89	87	85		89	87	85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4038341
5°	3408216
10°	1565793
15°	488235
20°	198943
25°	65273
30°	20240
35°	4287
40°	1073
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P433030

CATALOG NUMBER: LAM4B408R159024DE01021MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1626.2	57.6
10°-20°	969.2	34.3
20°-30°	205.4	7.3
30°-40°	21.6	0.8
40°-50°	0.7	0.0
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°	2800.8	99.2
0°-40°	2822.4	100.0
0°-60°	2823.2	100.0
0°-90°	2823.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25067	
5°	21075	###
15°	2927	969
25°	367	205
35°	22	22
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P433030

CATALOG NUMBER: LAM4B408R159024DE01021MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	25066.7
2.5°	24274.7
5°	21074.9
7.5°	15601.4
10°	9571.5
12.5°	5107.5
15°	2927.3
17.5°	1838.5
20°	1160.4
22.5°	684.5
25°	367.2
27.5°	207.3
30°	108.8
32.5°	55.0
35°	21.8
37.5°	11.5
40°	5.1
42.5°	1.3
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)