

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: P432795

Luminaire Tested: **LAM4B308R309027DE01021MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2007-857-8)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAM4B308R309027DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 30 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2358.4 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

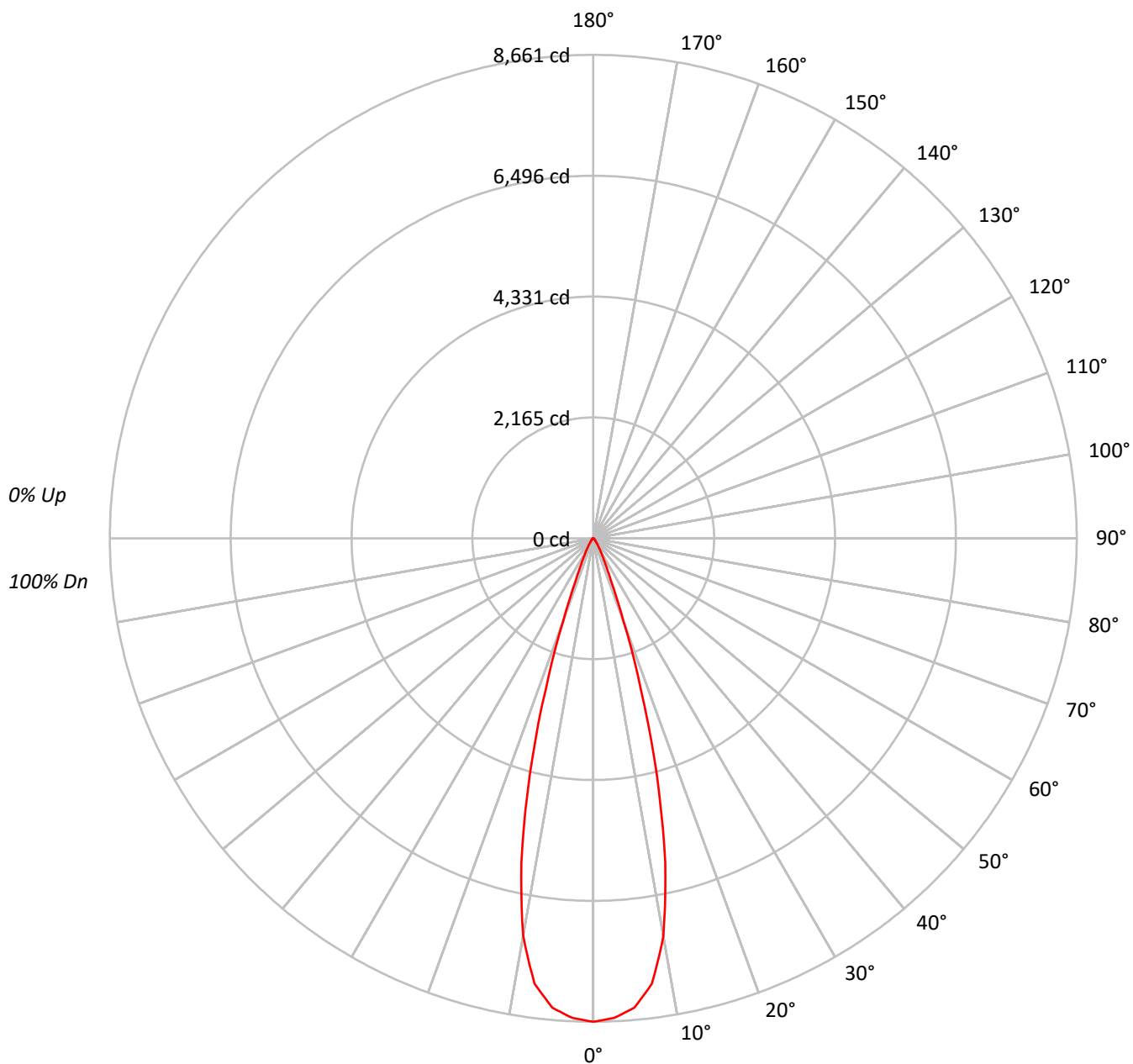
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	111	109	112	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97
3	107	103	99	96	105	101	98	95	99	96	94		96	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92
5	101	95	91	87	99	94	90	87	92	89	86		91	88	86		89
6	98	91	87	84	97	91	87	84	89	86	83		88	85	83		87
7	95	88	84	81	94	88	84	81	87	83	81		86	83	80		85
8	92	86	81	79	91	85	81	78	84	81	78		83	80	78		83
9	90	83	79	76	89	83	79	76	82	78	76		81	78	76		80
10	88	81	77	74	87	80	77	74	80	76	74		79	76	74		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4273210
5°	4179832
10°	3624167
15°	2246224
20°	823268
25°	275186
30°	135077
35°	67338
40°	41800
45°	26514
50°	18882
55°	15397
60°	13223
65°	10390
70°	12839
75°	12772
80°	12786
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.2	32.6
10°-20°	1161.3	49.2
20°-30°	283.1	12.0
30°-40°	77.5	3.3
40°-50°	31.2	1.3
50°-60°	16.7	0.7
60°-70°	9.9	0.4
70°-80°	7.7	0.3
80°-90°	1.8	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°	2213.5	93.9
0°-40°	2291.1	97.1
0°-60°	2339.0	99.2
0°-90°	2358.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2358.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8661	
5°	8440	769
15°	4398	1161
25°	506	283
35°	112	78
45°	38	31
55°	18	17
65°	9	10
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8661.1
2.5°	8602.9
5°	8439.6
7.5°	8050.4
10°	7234.0
12.5°	5954.5
15°	4397.6
17.5°	2834.1
20°	1568.0
22.5°	836.6
25°	505.5
27.5°	342.2
30°	237.1
32.5°	161.1
35°	111.8
37.5°	82.8
40°	64.9
42.5°	49.2
45°	38.0
47.5°	31.3
50°	24.6
52.5°	22.4
55°	17.9
57.5°	15.7
60°	13.4
62.5°	11.2
65°	8.9
67.5°	8.9
70°	8.9
72.5°	8.9
75°	6.7
77.5°	6.7
80°	4.5
82.5°	2.2
85°	2.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)