

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: P434082

Luminaire Tested: **LAMR4B308R359727DE01021MW**

Issue Date: 11/23/2020

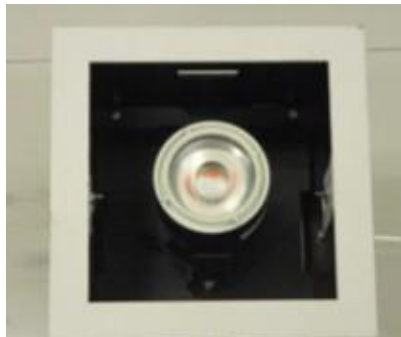
Test Information

Test Method: LM-41-14
Report Number: P434082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-908-6)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 11/23/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LAMR4B308R359727DE01021MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 35 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2050.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.51
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

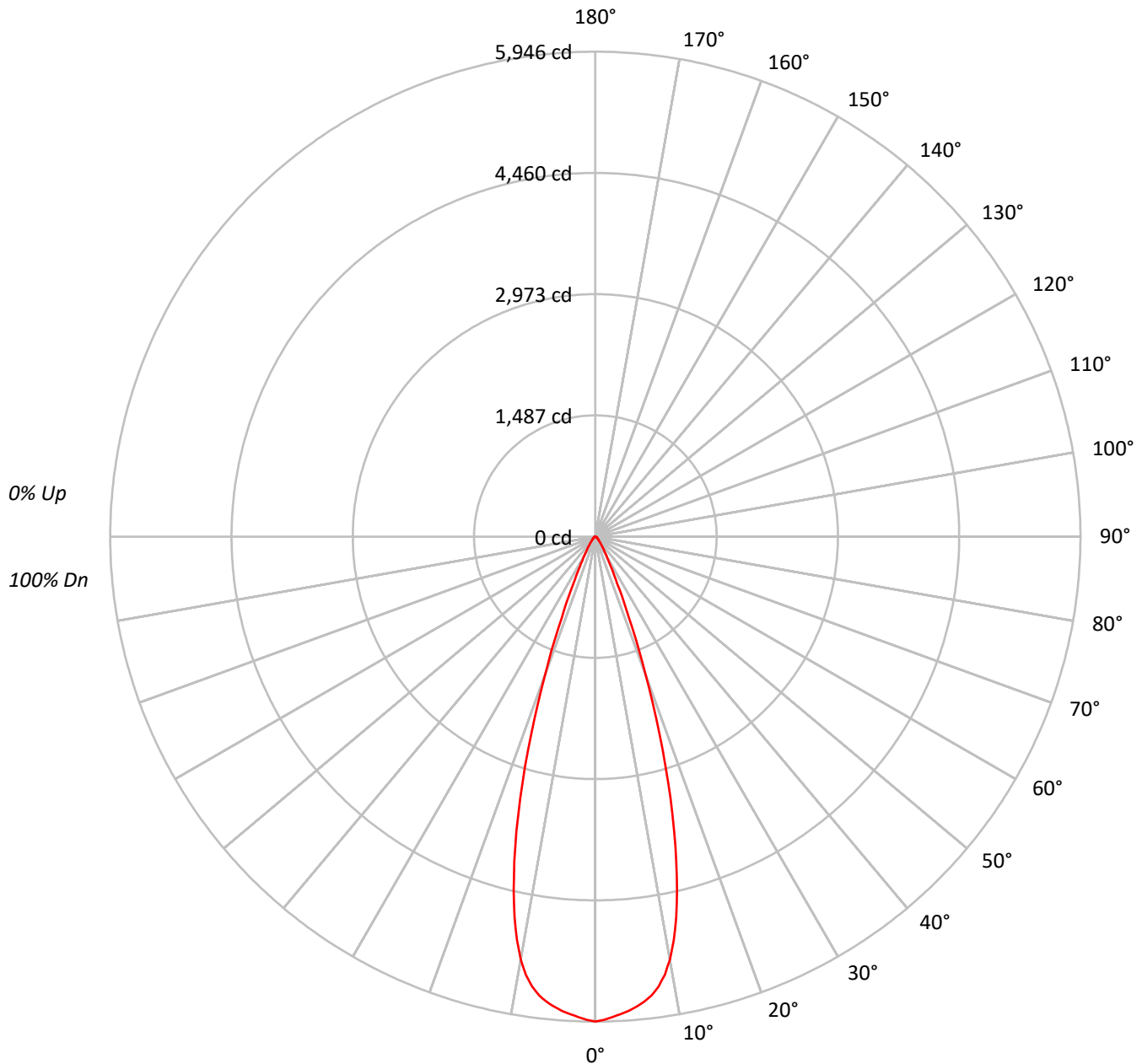
Input Watts (W): 31.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	105	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		93
4	102	96	92	89	101	95	91	88	93	90	87		91	88	86		90
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87
6	96	89	84	81	94	88	84	80	87	83	80		85	82	79		84
7	92	85	81	77	91	85	80	77	84	80	77		82	79	76		81
8	90	82	78	74	88	82	77	74	81	77	74		80	76	74		79
9	87	79	75	72	86	79	75	72	78	74	71		77	74	71		77
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2933635
5°	2866044
10°	2637466
15°	1906297
20°	941718
25°	345466
30°	155758
35°	84805
40°	52555
45°	35585
50°	26634
55°	22795
60°	20130
65°	19029
70°	17599
75°	15631
80°	17332
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.7	26.2
10°-20°	982.7	47.9
20°-30°	342.1	16.7
30°-40°	94.8	4.6
40°-50°	41.2	2.0
50°-60°	23.9	1.2
60°-70°	16.2	0.8
70°-80°	8.9	0.4
80°-90°	2.5	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°	1862.6	90.9
0°-40°	1957.4	95.5
0°-60°	2022.5	98.7
0°-90°	2050.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2050.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5946	
5°	5787	538
15°	3732	983
25°	635	342
35°	141	95
45°	51	41
55°	26	24
65°	16	16
75°	8	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5946.0
1°	5925.6
2°	5895.0
3°	5864.4
4°	5829.7
5°	5786.9
6°	5733.8
7°	5668.5
8°	5568.5
9°	5440.0
10°	5264.5
11°	5040.0
12°	4768.7
13°	4450.3
14°	4101.4
15°	3732.1
16°	3338.3
17°	2942.4
18°	2544.5
19°	2160.9
20°	1793.6
22.5°	1069.2
25°	634.6
26°	528.5
27°	440.7
28°	373.4
29°	318.3
30°	273.4
32.5°	193.8
35°	140.8
37.5°	106.1
40°	81.6
42.5°	63.3
45°	51.0
47.5°	42.9
50°	34.7
52.5°	30.6
55°	26.5
57.5°	22.4
60°	20.4
62.5°	18.4
65°	16.3
67.5°	14.3



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CANDELA DISTRIBUTION (continued):

	0°
75°	8.2
77.5°	6.1
80°	6.1
82.5°	4.1
85°	2.0
87.5°	0.0
90°	0.0



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— 0°-180°







70°	12.2
72.5°	10.2



(END OF REPORT)