

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: P432558

Luminaire Tested: **LAM4B208R459030DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P432558
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: LAM4B208R459030DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 45 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1577.6 lumens
Efficiency: N/A
Efficacy: 76.6 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

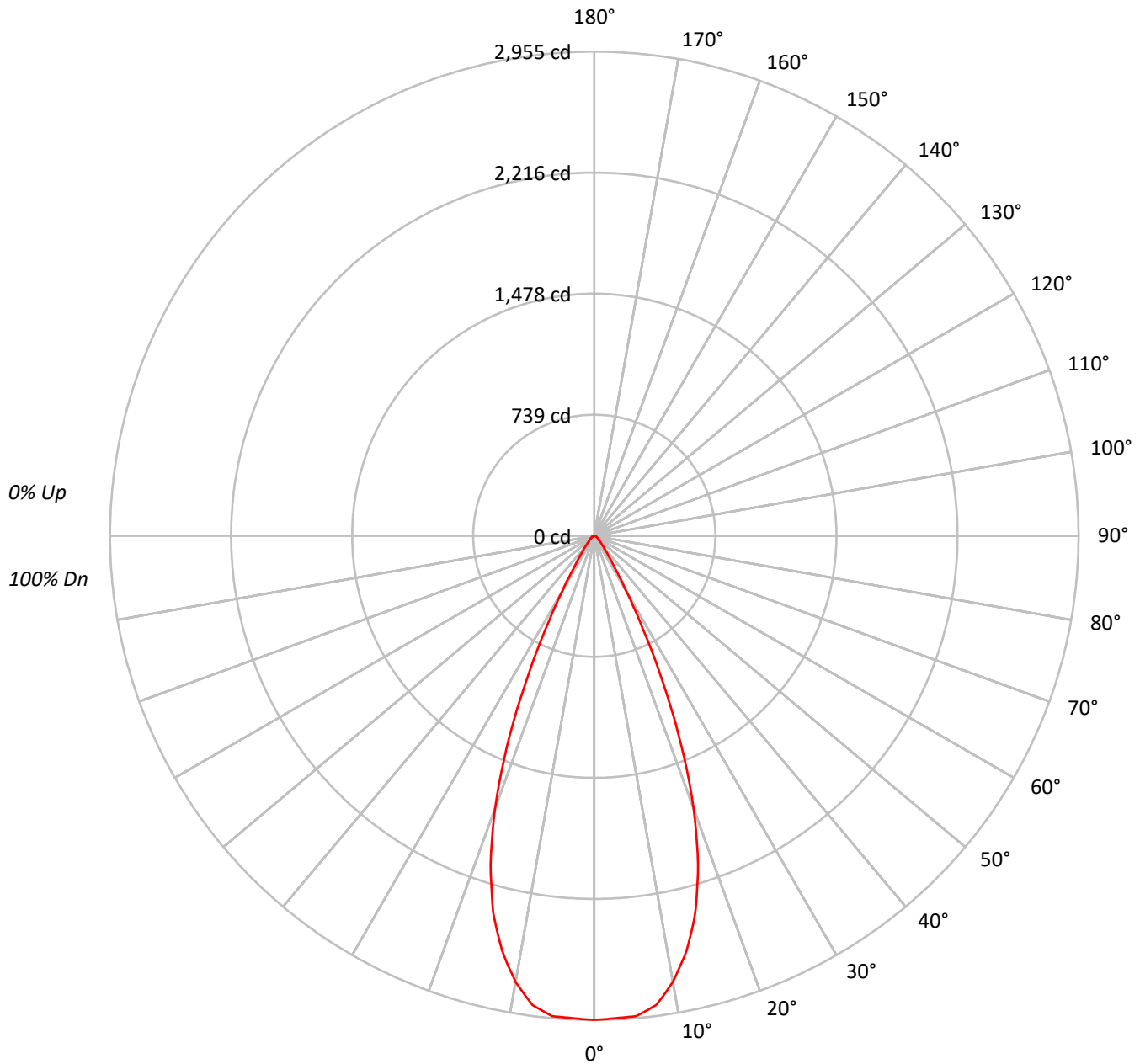
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1457838
5°	1457364
10°	1385239
15°	1216790
20°	930850
25°	543404
30°	222413
35°	94080
40°	51267
45°	33143
50°	25867
55°	22365
60°	18156
65°	14243
70°	13271
75°	11628
80°	13070
85°	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.4	17.5
10°-20°	648.5	41.1
20°-30°	457.0	29.0
30°-40°	112.5	7.1
40°-50°	39.2	2.5
50°-60°	23.2	1.5
60°-70°	12.8	0.8
70°-80°	7.1	0.4
80°-90°	1.9	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°	1380.9	87.5
0°-40°	1493.3	94.7
0°-60°	1555.8	98.6
0°-90°	1577.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2955	
5°	2943	275
15°	2382	649
25°	998	457
35°	156	112
45°	48	39
55°	26	23
65°	12	13
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2954.8
2.5°	2947.2
5°	2942.6
7.5°	2889.0
10°	2765.0
12.5°	2596.6
15°	2382.2
17.5°	2105.1
20°	1772.9
22.5°	1391.7
25°	998.2
27.5°	644.5
30°	390.4
32.5°	237.3
35°	156.2
37.5°	110.2
40°	79.6
42.5°	61.2
45°	47.5
47.5°	39.8
50°	33.7
52.5°	29.1
55°	26.0
57.5°	23.0
60°	18.4
62.5°	15.3
65°	12.2
67.5°	10.7
70°	9.2
72.5°	7.7
75°	6.1
77.5°	6.1
80°	4.6
82.5°	3.1
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)