

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: P433734

Luminaire Tested: **LAMR4B208R309030DE010x1MW**

Issue Date: 11/23/2020

Test Information

Test Method: LM-41-14
Report Number: P433734
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: LAMR4B208R309030DE010x1MW
Description: PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 30 DEG TIR OPTIC
Light Source: HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1594.1 lumens
Efficiency: N/A
Efficacy: 77.4 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

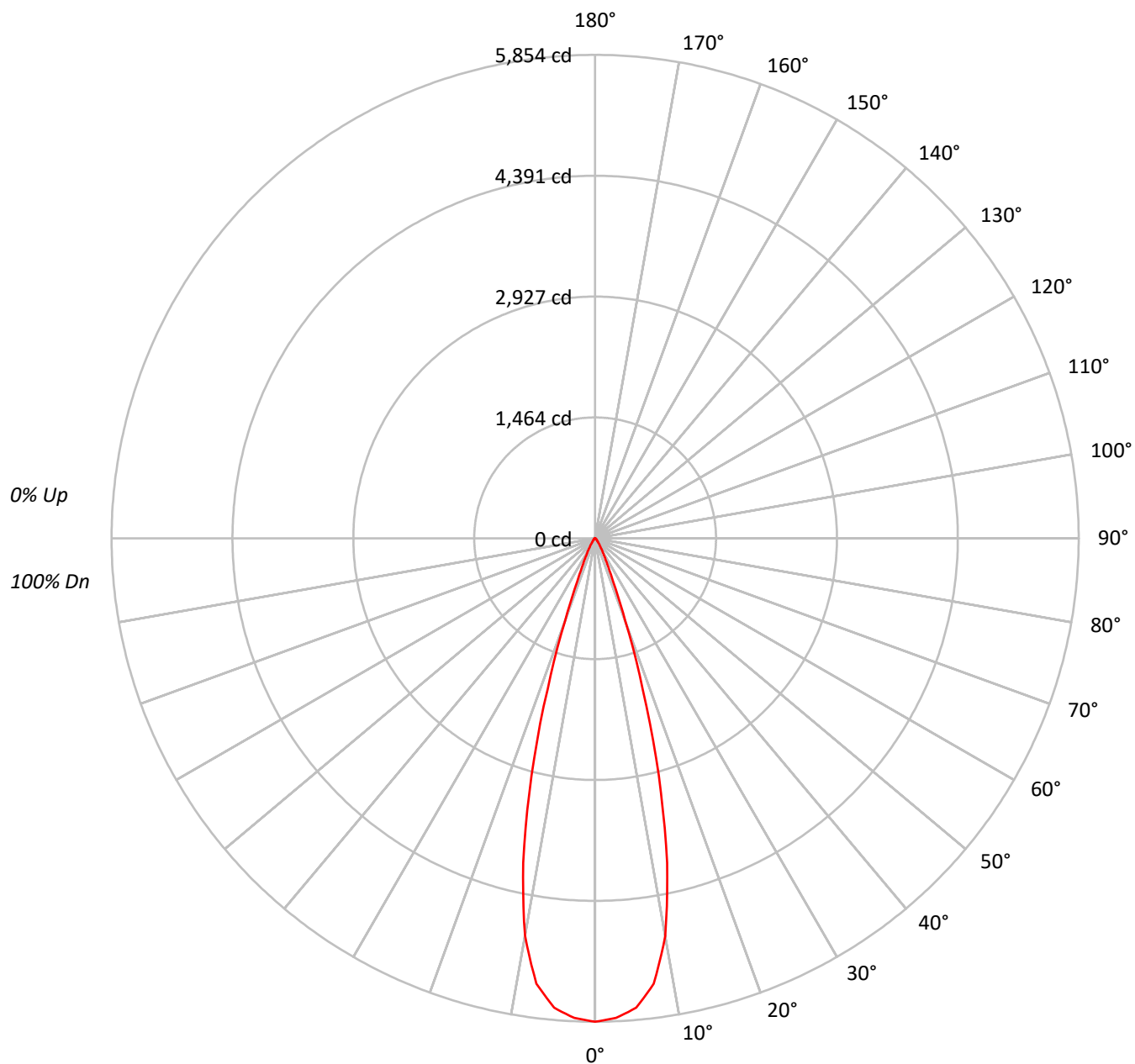
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P433734

CATALOG NUMBER: LAMR4B208R309030DE010x1MW

Luminous Intensity Polar Plot





TEST NUMBER: P433734

CATALOG NUMBER: LAMR4B208R309030DE010x1MW

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°	2888343
5°	2825284
10°	2449644
15°	1518306
20°	556494
25°	186016
30°	91324
35°	45534
40°	28210
45°	17932
50°	12742
55°	10408
60°	8980
65°	7005
70°	8655
75°	8578
80°	8524
85°	8491



TEST NUMBER: P433734

CATALOG NUMBER: LAMR4B208R309030DE010x1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.9	32.6
10°-20°	784.9	49.2
20°-30°	191.4	12.0
30°-40°	52.4	3.3
40°-50°	21.1	1.3
50°-60°	11.3	0.7
60°-70°	6.7	0.4
70°-80°	5.1	0.3
80°-90°	1.2	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°	1496.2	93.9
0°-40°	1548.6	97.1
0°-60°	1581.0	99.2
0°-90°	1594.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5854	
5°	5705	520
15°	2972	785
25°	342	191
35°	76	52
45°	26	21
55°	12	11
65°	6	7
75°	4	5
85°	2	1
90°	0	



TEST NUMBER: P433734

CATALOG NUMBER: LAMR4B208R309030DE010x1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5854.2
2.5°	5814.9
5°	5704.6
7.5°	5441.5
10°	4889.6
12.5°	4024.8
15°	2972.5
17.5°	1915.6
20°	1059.9
22.5°	565.5
25°	341.7
27.5°	231.3
30°	160.3
32.5°	108.9
35°	75.6
37.5°	55.9
40°	43.8
42.5°	33.3
45°	25.7
47.5°	21.2
50°	16.6
52.5°	15.1
55°	12.1
57.5°	10.6
60°	9.1
62.5°	7.6
65°	6.0
67.5°	6.0
70°	6.0
72.5°	6.0
75°	4.5
77.5°	4.5
80°	3.0
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)