

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P220748

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED5080-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2123.2 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

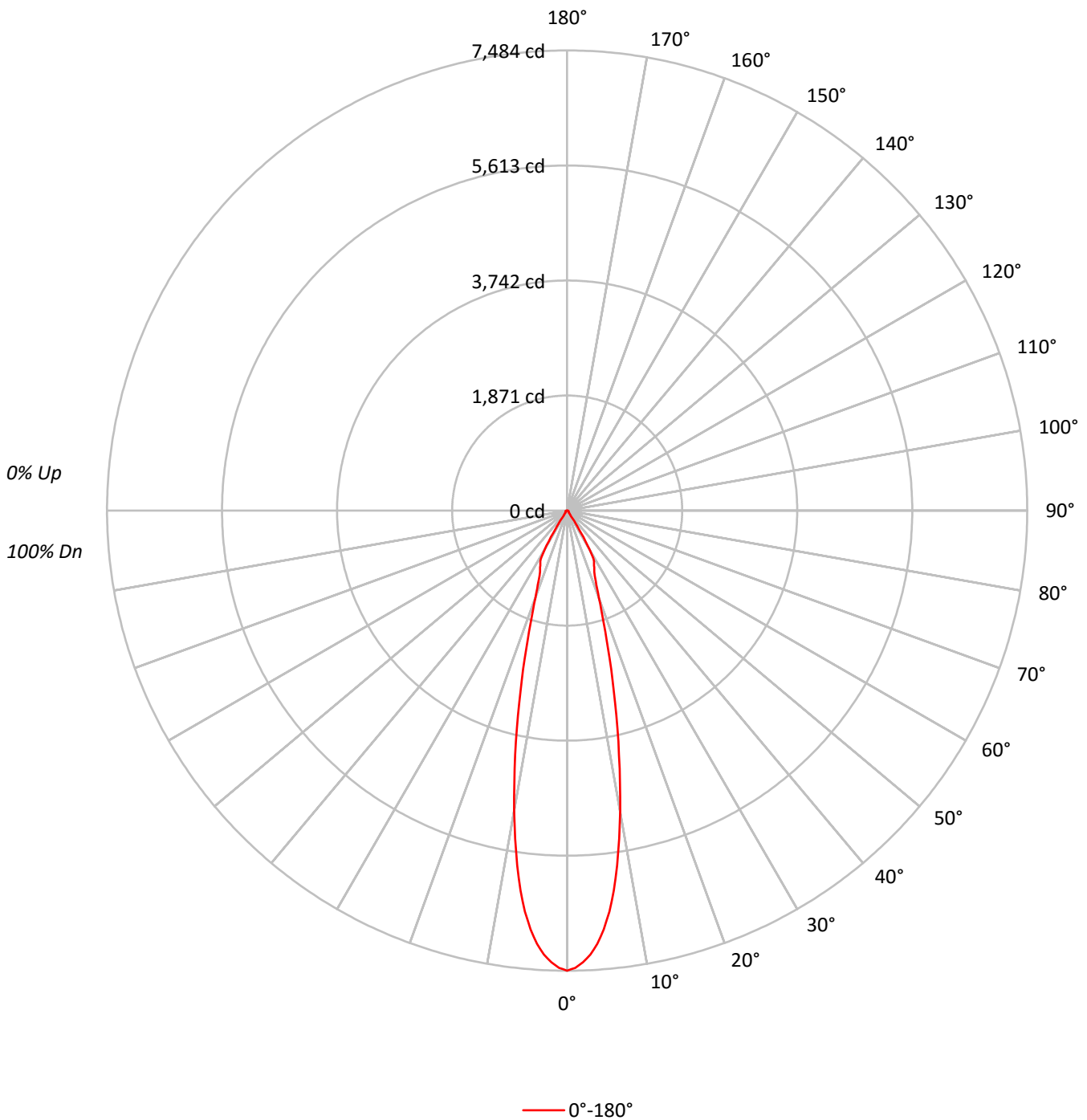
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	923069
5°	846473
10°	621157
15°	363808
20°	198507
25°	141432
30°	104613
35°	15088
40°	8260
45°	5879
50°	6006
55°	6215
60°	6932
65°	7734
70°	8980
75°	11104
80°	13070
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.7	27.9
10°-20°	792.2	37.3
20°-30°	489.1	23.0
30°-40°	136.3	6.4
40°-50°	27.6	1.3
50°-60°	26.3	1.2
60°-70°	26.5	1.2
70°-80°	23.7	1.1
80°-90°	9.9	0.5
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°	1873.0	88.2
0°-40°	2009.3	94.6
0°-60°	2063.1	97.2
0°-90°	2123.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7484	
5°	6836	592
15°	2849	792
25°	1039	489
35°	100	136
45°	34	28
55°	29	26
65°	26	26
75°	23	24
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7483.6
1°	7437.1
2°	7351.3
3°	7229.4
4°	7061.9
5°	6836.5
6°	6557.5
7°	6225.5
8°	5829.4
9°	5403.6
10°	4959.4
11°	4507.2
12°	4060.5
13°	3625.1
14°	3221.0
15°	2849.0
16°	2506.6
17°	2199.5
18°	1930.0
19°	1699.9
20°	1512.3
21°	1357.5
22°	1241.3
23°	1153.1
24°	1087.3
25°	1039.2
26°	999.9
27°	965.4
28°	932.5
29°	858.8
30°	734.5
32.5°	356.0
35°	100.2
37.5°	69.0
40°	51.3
42.5°	36.1
45°	33.7
47.5°	32.1
50°	31.3
52.5°	29.7
55°	28.9
57.5°	28.9
60°	28.1
62.5°	28.1
65°	26.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	25.7
70°	24.9
72.5°	24.1
75°	23.3
77.5°	20.8
80°	18.4
82.5°	14.4
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)