

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: P220774

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2164.2 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

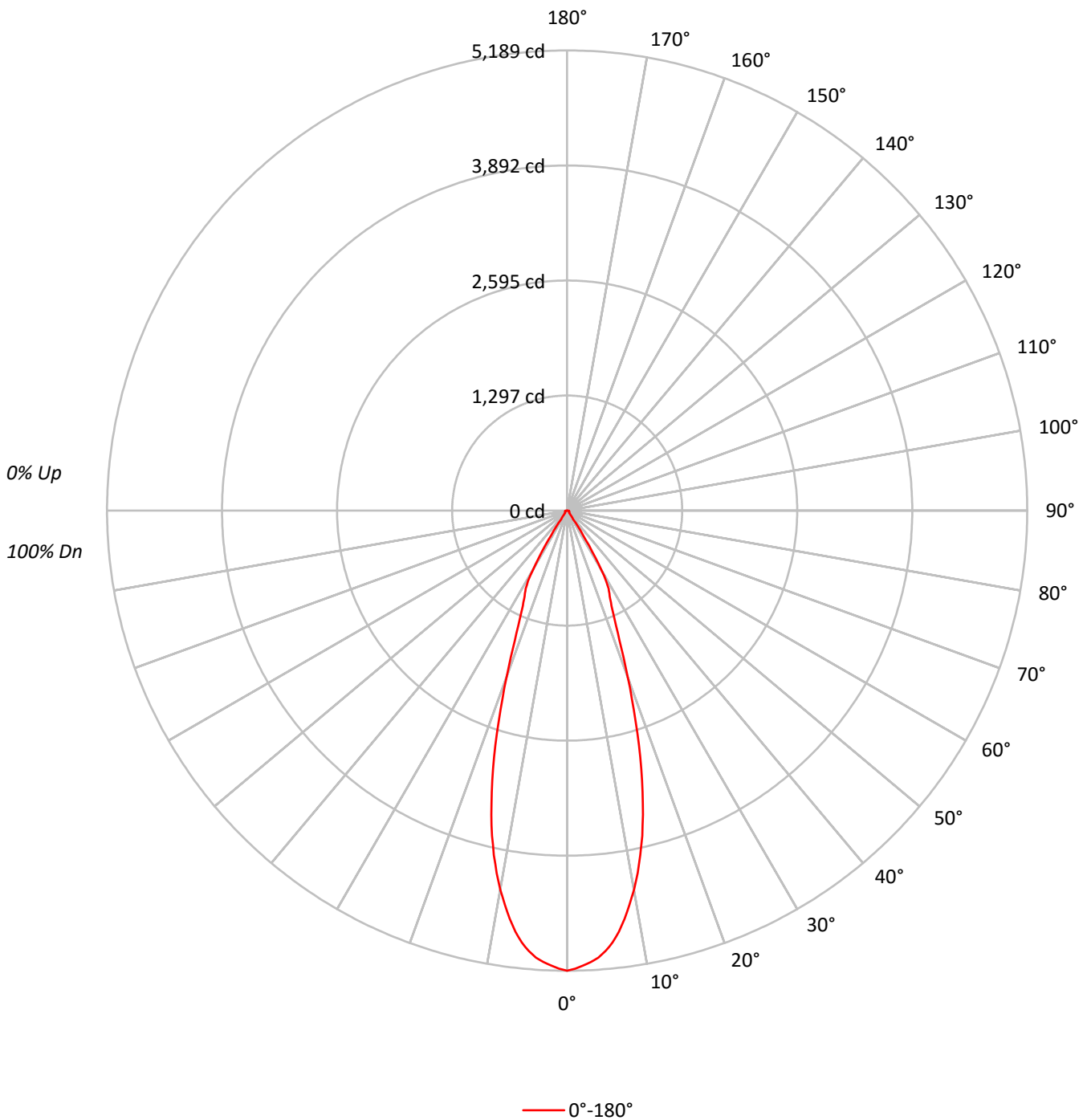
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	640016
5°	617140
10°	543428
15°	419612
20°	261972
25°	161288
30°	110552
35°	17392
40°	7874
45°	5320
50°	5546
55°	6043
60°	6735
65°	7501
70°	8691
75°	10723
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.0	21.0
10°-20°	882.4	40.8
20°-30°	571.4	26.4
30°-40°	147.0	6.8
40°-50°	25.1	1.2
50°-60°	25.4	1.2
60°-70°	25.5	1.2
70°-80°	22.9	1.1
80°-90°	9.6	0.4
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°	1908.8	88.2
0°-40°	2055.8	95.0
0°-60°	2106.3	97.3
0°-90°	2164.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2164.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5189	
5°	4984	455
15°	3286	882
25°	1185	571
35°	116	147
45°	30	25
55°	28	25
65°	26	25
75°	22	23
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5188.8
1°	5165.5
2°	5135.0
3°	5098.9
4°	5052.4
5°	4984.3
6°	4897.7
7°	4784.6
8°	4649.1
9°	4498.4
10°	4338.8
11°	4164.0
12°	3971.6
13°	3763.1
14°	3534.5
15°	3286.0
16°	3029.4
17°	2765.6
18°	2501.0
19°	2240.4
20°	1995.8
21°	1772.1
22°	1577.2
23°	1412.9
24°	1283.8
25°	1185.1
26°	1107.4
27°	1047.2
28°	996.7
29°	908.5
30°	776.2
32.5°	388.1
35°	115.5
37.5°	73.8
40°	48.9
42.5°	31.3
45°	30.5
47.5°	29.7
50°	28.9
52.5°	28.9
55°	28.1
57.5°	28.1
60°	27.3
62.5°	26.5
65°	25.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.9
70°	24.1
72.5°	23.3
75°	22.5
77.5°	20.0
80°	17.6
82.5°	13.6
85°	8.8
87.5°	4.0
90°	0.0

(END OF REPORT)