

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: P221367

Luminaire Tested: **9002-W2-FL-LED5080-M-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29422)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED5080-M-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2150.7 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

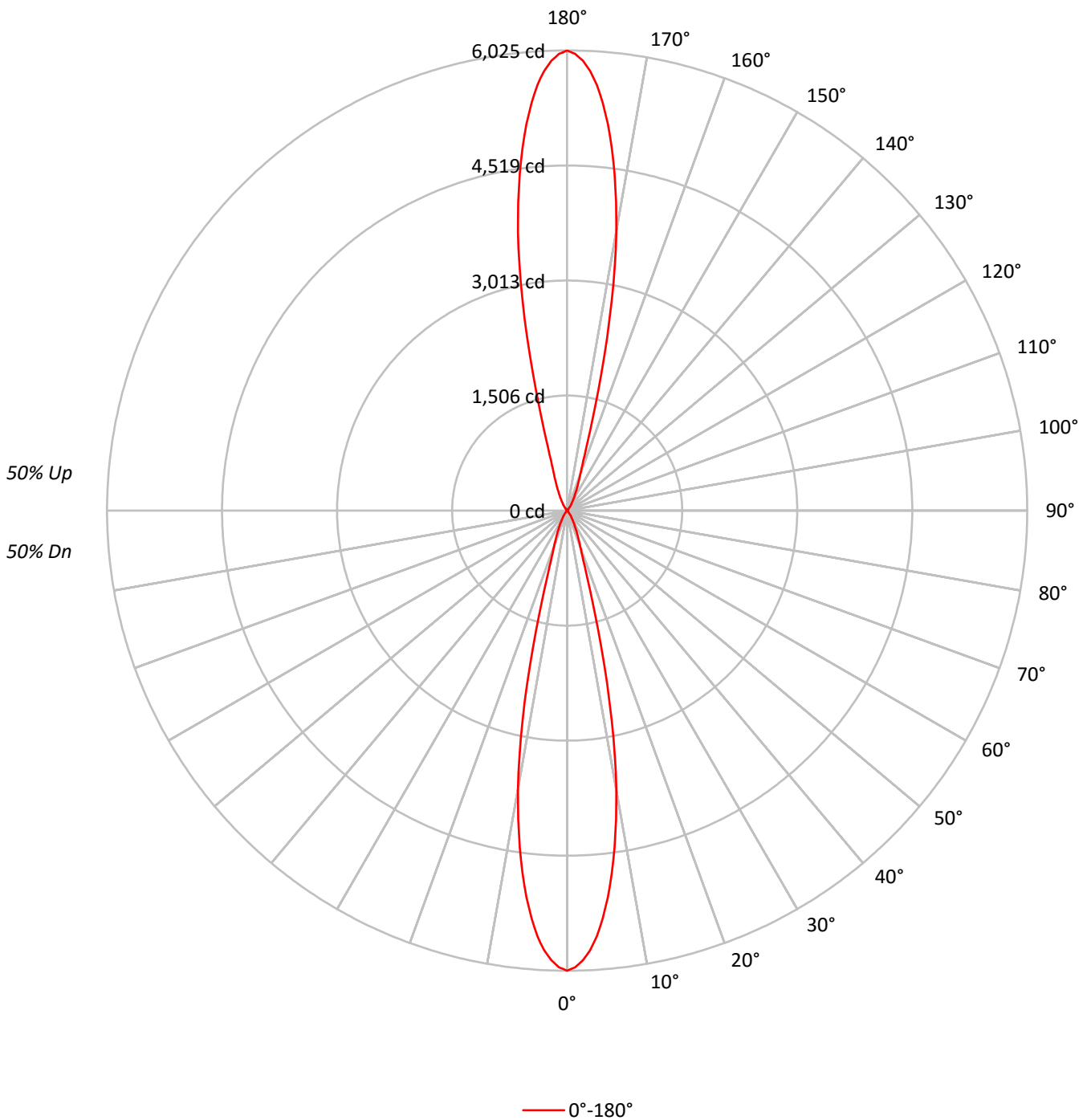
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	98	95	93	93	91	89	87	78	76	75		66	65	64		54	54	54	48
2	95	90	86	82	88	84	81	78	73	70	68		62	61	60		53	52	51	47
3	90	83	78	74	84	78	74	71	69	66	63		60	58	56		51	50	49	46
4	85	78	72	68	80	73	69	65	65	62	59		57	55	53		50	49	47	44
5	81	73	67	63	76	69	64	61	62	58	56		55	52	51		48	47	46	43
6	77	69	63	59	72	65	60	57	59	55	53		53	50	48		47	46	44	42
7	74	65	59	56	69	62	57	54	56	53	50		51	48	47		46	44	43	41
8	71	62	56	53	67	59	54	51	54	50	48		49	47	45		45	43	42	40
9	68	59	54	50	64	57	52	49	52	48	46		48	45	43		44	42	41	39
10	65	56	51	48	62	54	50	47	50	47	44		46	44	42		43	41	40	38

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2972760
5°	2654269
10°	1854718
15°	726029
20°	261944
25°	146820
30°	82721
35°	43426
40°	15457
45°	8373
50°	5066
55°	2839
60°	2171
65°	1284
70°	1587
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.9	21.3
10°-20°	428.8	19.9
20°-30°	128.6	6.0
30°-40°	45.3	2.1
40°-50°	10.2	0.5
50°-60°	3.2	0.1
60°-70°	1.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.1	0.0
110°-120°	1.2	0.1
120°-130°	3.2	0.1
130°-140°	10.2	0.5
140°-150°	45.3	2.1
150°-160°	128.6	6.0
160°-170°	428.8	19.9
170°-180°	457.9	21.3
0°-30°	1015.3	47.2
0°-40°	1060.6	49.3
0°-60°	1074.0	49.9
0°-90°	1075.4	50.0
90°-120°	1.4	0.1
90°-150°	60.0	2.8
90°-180°	1075.0	50.0
0°-180°	2150.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6025	
5°	5359	458
15°	1421	429
25°	270	129
35°	72	45
45°	12	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	3	3
135°	12	10
145°	72	45
155°	270	129
165°	1421	429
175°	5359	458
180°	6025	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6025.3
1°	5980.5
2°	5892.1
3°	5762.2
4°	5586.4
5°	5359.3
6°	5089.7
7°	4789.4
8°	4454.3
9°	4089.6
10°	3702.1
11°	3277.4
12°	2810.1
13°	2318.8
14°	1838.5
15°	1421.4
16°	1087.4
17°	846.1
18°	684.5
19°	575.3
20°	498.9
22.5°	365.7
25°	269.7
26°	238.0
27°	210.7
28°	186.7
29°	164.9
30°	145.2
32.5°	104.8
35°	72.1
37.5°	37.1
40°	24.0
42.5°	17.5
45°	12.0
47.5°	8.7
50°	6.6
52.5°	4.4
55°	3.3
57.5°	2.2
60°	2.2
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
72.5°	0.0

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**CANDELA DISTRIBUTION (continued):**

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	1.1
112.5°	1.1
115°	1.1
117.5°	1.1
120°	2.2
122.5°	2.2
125°	3.3
127.5°	4.4
130°	6.6
132.5°	8.7
135°	12.0
137.5°	17.5
140°	24.0
142.5°	37.1
145°	72.1
147.5°	104.8
150°	145.2
151°	164.9
152°	186.7
153°	210.7
154°	238.0
155°	269.7
157.5°	365.7
160°	498.9
161°	575.3
162°	684.5
163°	846.1
164°	1087.4
165°	1421.4
166°	1838.5
167°	2318.8



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	2810.1
169°	3277.4
170°	3702.1
171°	4089.6
172°	4454.3
173°	4789.4
174°	5089.7
175°	5359.3
176°	5586.4
177°	5762.2
178°	5892.1
179°	5980.5
180°	6025.3

(END OF REPORT)