

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: P221523

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-S-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221523  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-[RW, RI]-LED5080-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2025.8 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

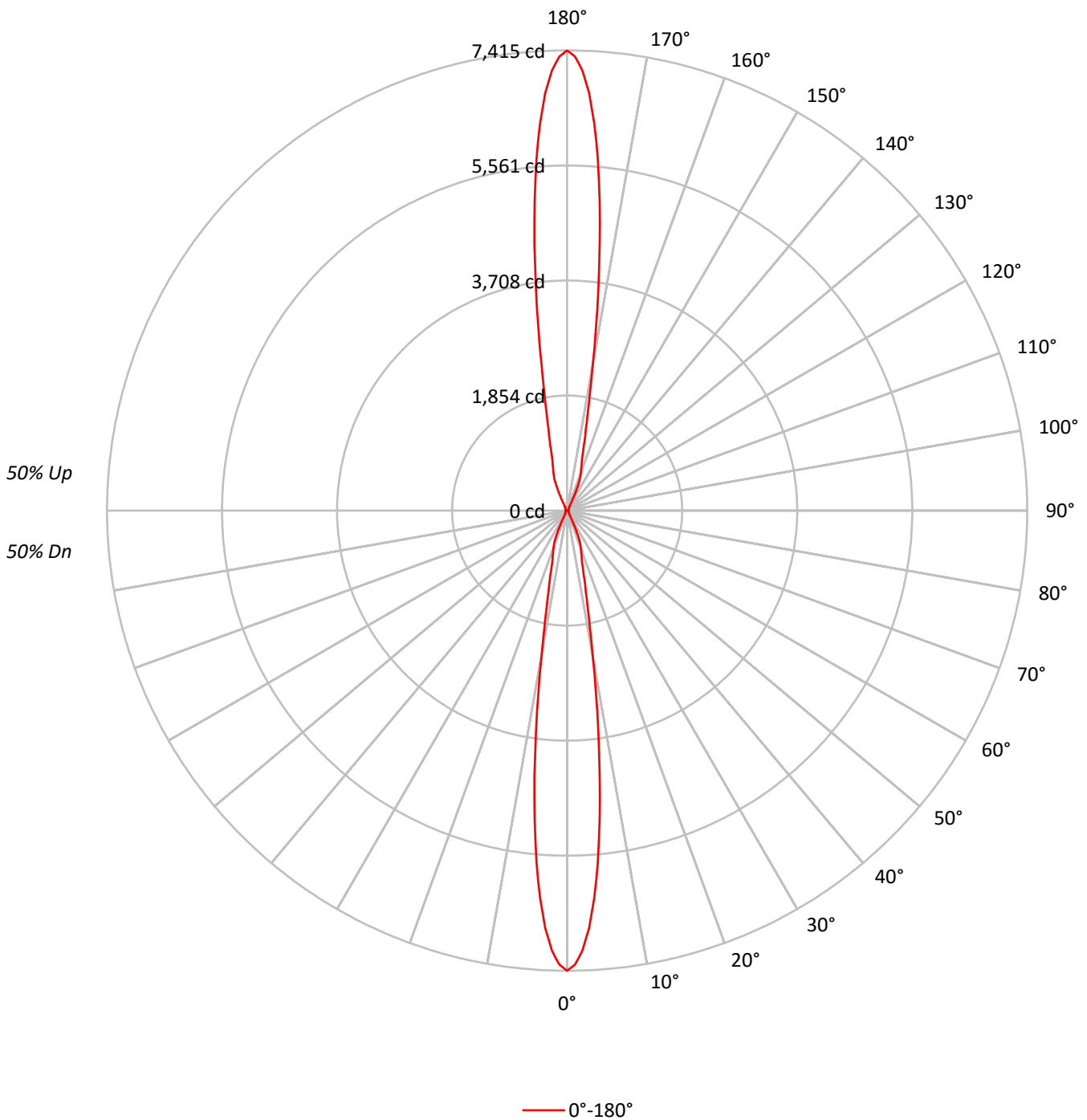
Input Watts (W): 19.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	53	51		48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53		52	50	48		46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47		48	46	44		43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45		47	44	42		42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43		45	42	40		41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41		44	41	39		40	38	37	35

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

	0°
0°	1626010
5°	1249171
10°	529583
15°	227243
20°	151166
25°	71956
30°	17699
35°	13117
40°	12566
45°	12590
50°	12861
55°	14413
60°	14560
65°	13439
70°	11220
75°	9997
80°	11365
85°	11322



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	427.8	21.1
10°-20°	306.1	15.1
20°-30°	138.4	6.8
30°-40°	32.7	1.6
40°-50°	31.4	1.6
50°-60°	33.0	1.6
60°-70°	25.5	1.3
70°-80°	13.2	0.6
80°-90°	4.8	0.2
90°-100°	4.8	0.2
100°-110°	13.2	0.6
110°-120°	25.5	1.3
120°-130°	33.0	1.6
130°-140°	31.4	1.6
140°-150°	32.7	1.6
150°-160°	138.4	6.8
160°-170°	306.1	15.1
170°-180°	427.8	21.1
0°-30°	872.4	43.1
0°-40°	905.0	44.7
0°-60°	969.5	47.9
0°-90°	1012.9	50.0
90°-120°	43.4	2.1
90°-150°	140.5	6.9
90°-180°	1013.0	50.0
0°-180°	2025.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7415	
5°	5675	428
15°	1001	306
25°	297	138
35°	49	33
45°	41	31
55°	38	33
65°	26	25
75°	12	13
85°	4	5
90°	0	0
95°	4	5
105°	12	13
115°	26	25
125°	38	33
135°	41	31
145°	49	33
155°	297	138
165°	1001	306
175°	5675	428
180°	7415	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7415.2
1°	7318.3
2°	7092.9
3°	6735.8
4°	6255.3
5°	5675.0
6°	5010.3
7°	4314.0
8°	3610.4
9°	2953.0
10°	2378.4
11°	1921.0
12°	1586.3
13°	1340.7
14°	1148.6
15°	1001.0
16°	882.2
17°	802.2
18°	742.5
19°	690.6
20°	647.8
22.5°	514.9
25°	297.4
26°	216.9
27°	147.6
28°	98.0
29°	77.2
30°	69.9
32.5°	58.6
35°	49.0
37.5°	45.6
40°	43.9
42.5°	42.3
45°	40.6
47.5°	38.9
50°	37.7
52.5°	37.7
55°	37.7
57.5°	36.6
60°	33.2
62.5°	30.4
65°	25.9
67.5°	21.4
70°	17.5
72.5°	14.1



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	11.8
77.5°	10.7
80°	9.0
82.5°	6.8
85°	4.5
87.5°	1.7
90°	0.0
92.5°	1.7
95°	4.5
97.5°	6.8
100°	9.0
102.5°	10.7
105°	11.8
107.5°	14.1
110°	17.5
112.5°	21.4
115°	25.9
117.5°	30.4
120°	33.2
122.5°	36.6
125°	37.7
127.5°	37.7
130°	37.7
132.5°	38.9
135°	40.6
137.5°	42.3
140°	43.9
142.5°	45.6
145°	49.0
147.5°	58.6
150°	69.9
151°	77.2
152°	98.0
153°	147.6
154°	216.9
155°	297.4
157.5°	514.9
160°	647.8
161°	690.6
162°	742.5
163°	802.2
164°	882.2
165°	1001.0
166°	1148.6
167°	1340.7



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1586.3
169°	1921.0
170°	2378.4
171°	2953.0
172°	3610.4
173°	4314.0
174°	5010.3
175°	5675.0
176°	6255.3
177°	6735.8
178°	7092.9
179°	7318.3
180°	7415.2

(END OF REPORT)