

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: P221281

Luminaire Tested: **9002-W2-[RW, RI]-LED5080-F-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29415)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-[RW, RI]-LED5080-F-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

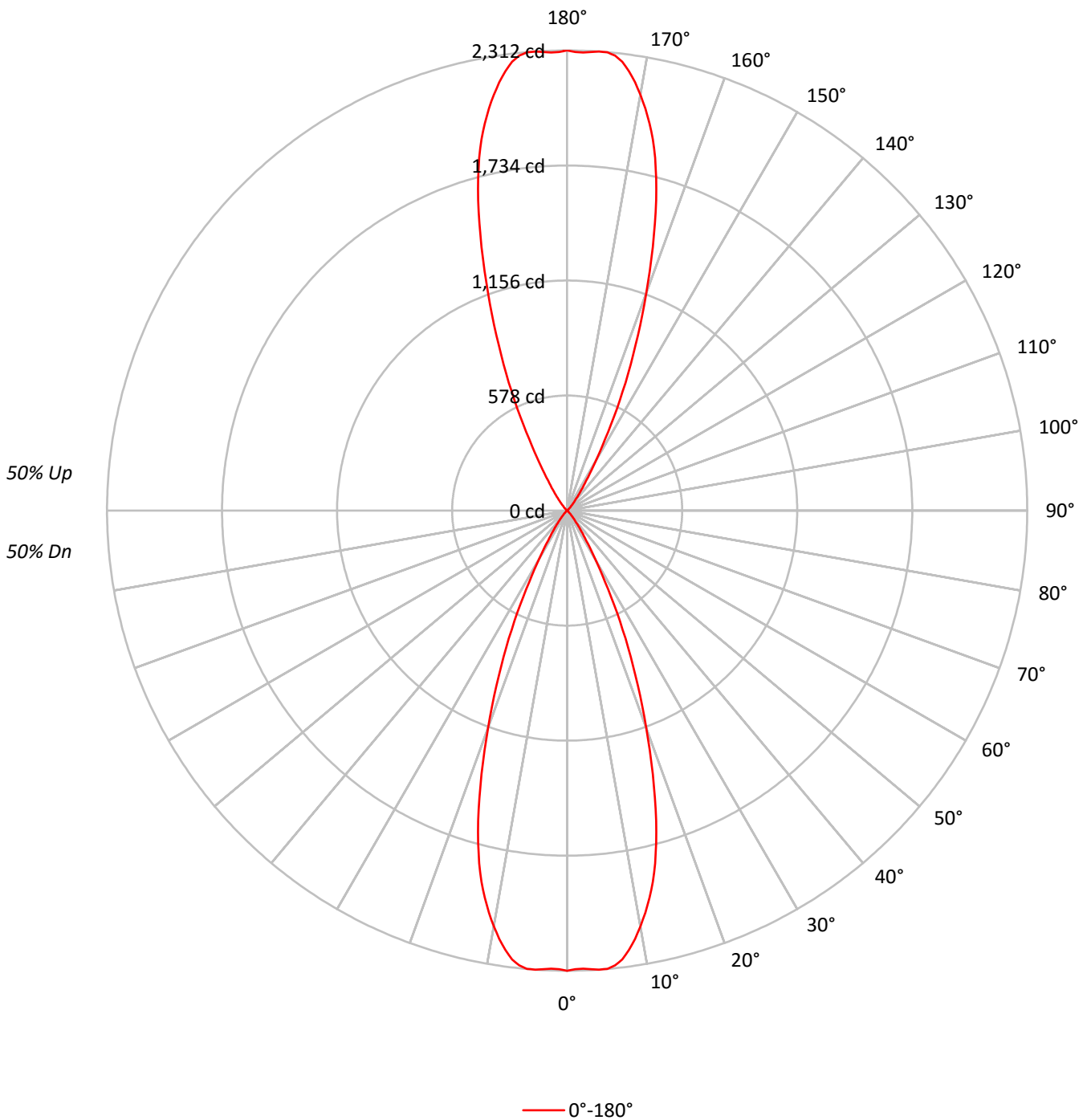
Lumens per Lamp: N/A  
Luminaire Lumens: 2151.7 lumens  
Efficiency: N/A  
Efficacy: 107.6 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

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	97	95	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	85	81	87	83	79	76	72	69	67		61	60	58		52	51	50	46
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		50	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	52	50		47	46	45	41
5	79	70	64	60	74	66	61	57	59	55	52		52	49	47		45	44	42	40
6	75	65	59	55	70	62	57	53	55	51	49		49	47	44		44	42	40	38
7	71	61	55	51	66	58	53	49	52	48	46		47	44	42		42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43		45	42	40		40	38	37	35
9	64	54	48	45	60	52	47	43	47	43	40		43	40	38		39	37	35	33
10	61	51	46	42	57	49	44	41	45	41	38		41	38	36		37	35	34	32

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

	0°
0°	1140842
5°	1144655
10°	1062702
15°	883299
20°	608735
25°	358967
30°	160486
35°	68362
40°	27437
45°	9908
50°	3377
55°	946
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.6	10.0
10°-20°	465.6	21.6
20°-30°	301.7	14.0
30°-40°	79.2	3.7
40°-50°	13.2	0.6
50°-60°	1.4	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	1.4	0.1
130°-140°	13.2	0.6
140°-150°	79.2	3.7
150°-160°	301.7	14.0
160°-170°	465.6	21.6
170°-180°	214.6	10.0
0°-30°	981.9	45.6
0°-40°	1061.2	49.3
0°-60°	1075.9	50.0
0°-90°	1075.9	50.0
90°-120°	0.0	0.0
90°-150°	93.9	4.4
90°-180°	1076.0	50.0
0°-180°	2151.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2312	
5°	2311	215
15°	1729	466
25°	659	302
35°	114	79
45°	14	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	14	13
145°	114	79
155°	659	302
165°	1729	466
175°	2311	215
180°	2312	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2312.3
1°	2304.7
2°	2302.5
3°	2306.8
4°	2312.3
5°	2311.2
6°	2298.1
7°	2271.9
8°	2229.3
9°	2179.1
10°	2121.2
11°	2057.9
12°	1989.1
13°	1913.8
14°	1826.5
15°	1729.3
16°	1622.3
17°	1508.8
18°	1392.0
19°	1273.0
20°	1159.4
22.5°	896.3
25°	659.4
26°	572.1
27°	484.7
28°	406.1
29°	338.4
30°	281.7
32.5°	176.9
35°	113.5
37.5°	69.9
40°	42.6
42.5°	25.1
45°	14.2
47.5°	7.6
50°	4.4
52.5°	2.2
55°	1.1
57.5°	1.1
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
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°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	1.1
125°	1.1
127.5°	2.2
130°	4.4
132.5°	7.6
135°	14.2
137.5°	25.1
140°	42.6
142.5°	69.9
145°	113.5
147.5°	176.9
150°	281.7
151°	338.4
152°	406.1
153°	484.7
154°	572.1
155°	659.4
157.5°	896.3
160°	1159.4
161°	1273.0
162°	1392.0
163°	1508.8
164°	1622.3
165°	1729.3
166°	1826.5
167°	1913.8



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	1989.1
169°	2057.9
170°	2121.2
171°	2179.1
172°	2229.3
173°	2271.9
174°	2298.1
175°	2311.2
176°	2312.3
177°	2306.8
178°	2302.5
179°	2304.7
180°	2312.3

(END OF REPORT)