

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: P221355

Luminaire Tested: **9002-W2-FL-LED4080-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9002-W2-FL-LED4080-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1893.7 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

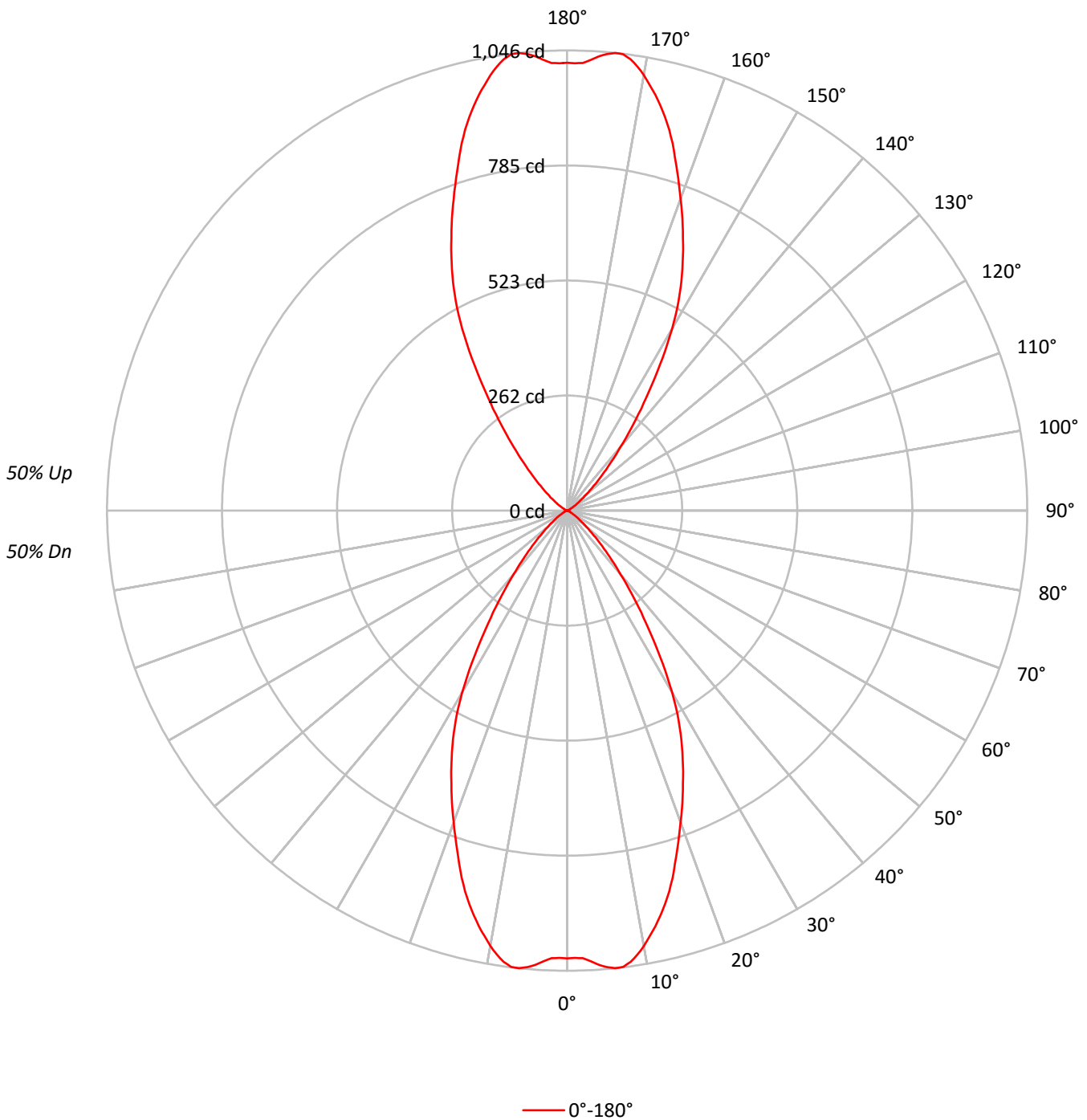
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	93	91	92	89	87	85	76	75	73		64	63	62		53	52	52	47
2	93	87	82	78	86	81	77	73	70	67	64		59	57	56		50	49	47	43
3	87	79	73	69	80	74	69	65	64	60	57		55	52	50		47	45	44	40
4	81	72	66	61	75	68	62	58	59	55	52		51	48	46		44	42	40	37
5	75	66	59	54	70	62	56	52	54	50	47		47	44	42		41	39	37	34
6	71	60	54	49	66	57	51	47	50	46	43		44	41	38		38	36	34	32
7	66	56	49	44	62	53	47	43	47	42	39		41	38	35		36	34	32	30
8	62	52	45	40	58	49	43	39	44	39	36		39	35	33		34	32	30	28
9	59	48	42	37	55	46	40	36	41	36	33		36	33	30		32	30	28	26
10	55	45	38	34	52	43	37	33	38	34	31		34	31	28		30	28	26	24

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

	0°
0°	502260
5°	516065
10°	503496
15°	457663
20°	395883
25°	338063
30°	271750
35°	188522
40°	121728
45°	73961
50°	42983
55°	24085
60°	12828
65°	7005
70°	2885
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.5	5.2
10°-20°	248.2	13.1
20°-30°	283.0	14.9
30°-40°	198.1	10.5
40°-50°	85.4	4.5
50°-60°	26.9	1.4
60°-70°	6.3	0.3
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.8	0.0
110°-120°	6.3	0.3
120°-130°	26.9	1.4
130°-140°	85.4	4.5
140°-150°	198.1	10.5
150°-160°	283.0	14.9
160°-170°	248.2	13.1
170°-180°	98.5	5.2
0°-30°	629.6	33.2
0°-40°	827.8	43.7
0°-60°	940.1	49.6
0°-90°	946.8	50.0
90°-120°	7.0	0.4
90°-150°	317.5	16.8
90°-180°	947.0	50.0
0°-180°	1893.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1018	
5°	1042	98
15°	896	248
25°	621	283
35°	313	198
45°	106	85
55°	28	27
65°	6	6
75°	0	1
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	6	6
125°	28	27
135°	106	85
145°	313	198
155°	621	283
165°	896	248
175°	1042	98
180°	1018	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1018
1°	1017
2°	1018
3°	1026
4°	1035
5°	1042
6°	1046
7°	1045
8°	1036
9°	1022
10°	1005
11°	985
12°	966
13°	944
14°	921
15°	896
16°	869
17°	839
18°	810
19°	782
20°	754
21°	728
22°	701
23°	674
24°	648
25°	621
26°	595
27°	568
28°	539
29°	509
30°	477
32.5°	392
35°	313
37.5°	246
40°	189
42.5°	143
45°	106
47.5°	77
50°	56
52.5°	40
55°	28
57.5°	19
60°	13
62.5°	9
65°	6



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	3
70°	2
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	1
110°	2
112.5°	3
115°	6
117.5°	9
120°	13
122.5°	19
125°	28
127.5°	40
130°	56
132.5°	77
135°	106
137.5°	143
140°	189
142.5°	246
145°	313
147.5°	392
150°	477
151°	509
152°	539
153°	568
154°	595
155°	621
156°	648
157°	674
158°	701
159°	728
160°	754
161°	782



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	810
163°	839
164°	869
165°	896
166°	921
167°	944
168°	966
169°	985
170°	1005
171°	1022
172°	1036
173°	1045
174°	1046
175°	1042
176°	1035
177°	1026
178°	1018
179°	1017
180°	1018

(END OF REPORT)