

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: P221269

Luminaire Tested: **9002-W2-[RW, RI]-LED4080-S-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29413)  
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]-LED4080-S-BK-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 945.6 lumens  
Efficiency: N/A  
Efficacy: 47.3 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

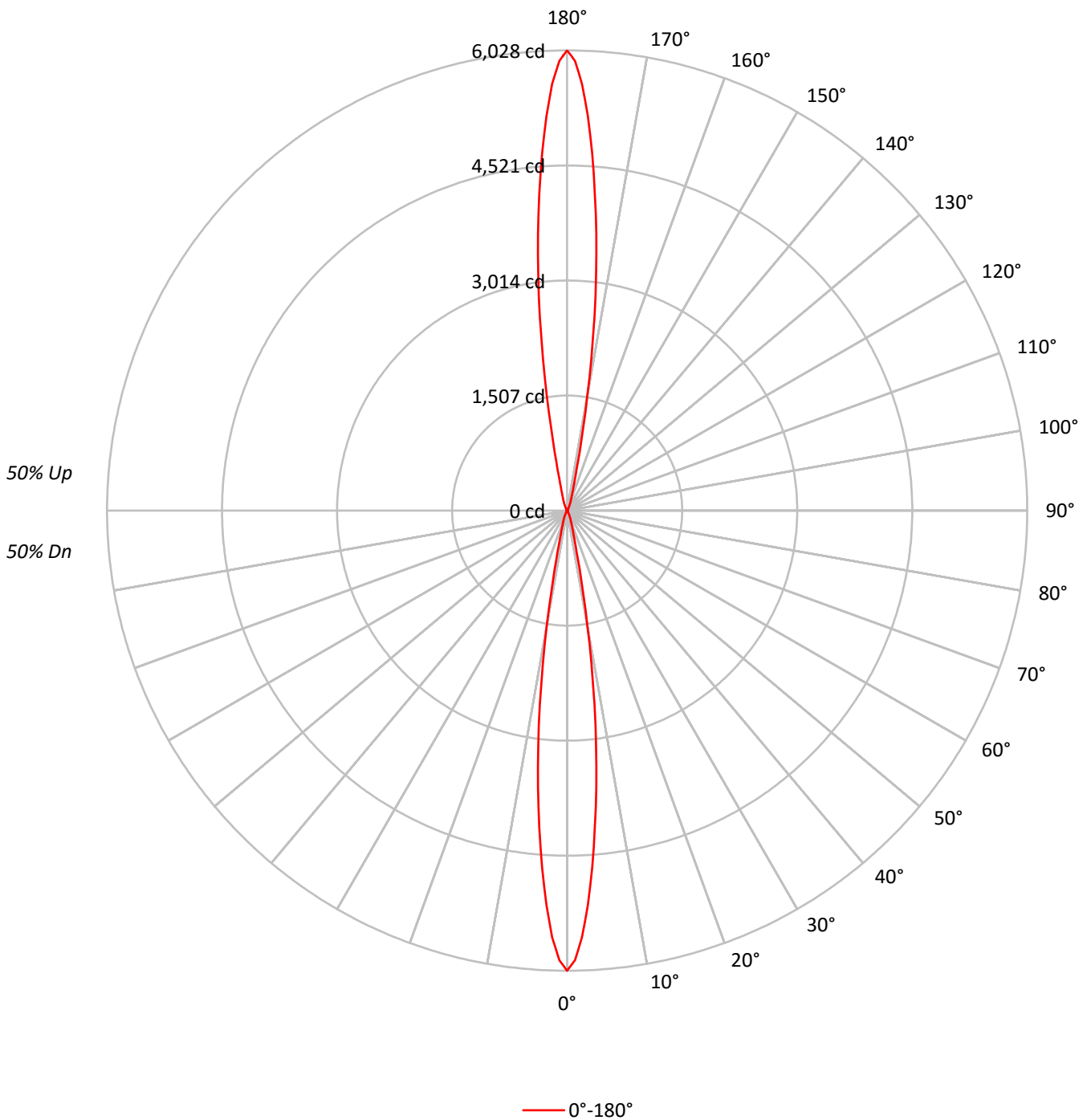
Input Watts (W): 20  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	93	94	91	89	87	78	77	76	66	65	65	55	55	54	49
2	96	91	87	84	89	85	82	79	74	72	70	63	62	61	54	53	53	48
3	91	85	80	76	85	80	76	73	70	67	65	61	59	58	53	52	51	48
4	87	80	75	71	81	75	71	68	67	64	62	59	57	56	52	51	50	47
5	83	75	70	66	78	71	67	64	64	61	59	57	55	54	51	50	49	46
6	79	72	66	63	75	68	64	60	62	59	56	56	54	52	50	49	48	46
7	76	68	63	59	72	65	61	58	60	56	54	54	52	50	49	48	47	45
8	74	66	60	57	70	63	58	55	58	55	52	53	51	49	48	47	46	44
9	71	63	58	55	68	61	56	53	56	53	51	52	50	48	48	46	45	44
10	69	61	56	53	66	59	55	52	55	52	49	51	49	47	47	46	45	43

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

	0°
0°	2974092
5°	2065252
10°	767017
15°	164472
20°	73506
25°	35929
30°	11964
35°	5421
40°	3220
45°	2093
50°	1535
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.2	33.0
10°-20°	120.1	12.7
20°-30°	31.5	3.3
30°-40°	6.4	0.7
40°-50°	2.2	0.2
50°-60°	0.4	0.0
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°	0.7	0.1
130°-140°	2.2	0.2
140°-150°	6.4	0.7
150°-160°	31.5	3.3
160°-170°	120.1	12.7
170°-180°	312.2	33.0
0°-30°	463.8	49.0
0°-40°	470.2	49.7
0°-60°	472.8	50.0
0°-90°	472.8	50.0
90°-120°	0.0	0.0
90°-150°	9.3	1.0
90°-180°	473.0	50.0
0°-180°	945.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6028	
5°	4170	312
15°	322	120
25°	66	31
35°	9	6
45°	3	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	1
135°	3	2
145°	9	6
155°	66	31
165°	322	120
175°	4170	312
180°	6028	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6028
1°	5890
2°	5594
3°	5177
4°	4691
5°	4170
6°	3649
7°	3113
8°	2565
9°	2028
10°	1531
11°	1106
12°	779
13°	554
14°	412
15°	322
17.5°	198
20°	140
22.5°	102
25°	66
27.5°	38
30°	21
32.5°	13
35°	9
37.5°	7
40°	5
42.5°	3
45°	3
47.5°	2
50°	2
52.5°	1
55°	0
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0



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**CANDELA DISTRIBUTION (continued):**

	0°
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	0
125°	0
127.5°	1
130°	2
132.5°	2
135°	3
137.5°	3
140°	5
142.5°	7
145°	9
147.5°	13
150°	21
152.5°	38
155°	66
157.5°	102
160°	140
162.5°	198
165°	322
166°	412
167°	554
168°	779
169°	1106
170°	1531
171°	2028
172°	2565
173°	3113
174°	3649
175°	4170
176°	4691
177°	5177
178°	5594
179°	5890



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CANDELA DISTRIBUTION (continued):

180° |  $\frac{0^\circ}{6028}$

(END OF REPORT)