

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: P221270

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)  
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-WT-L1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

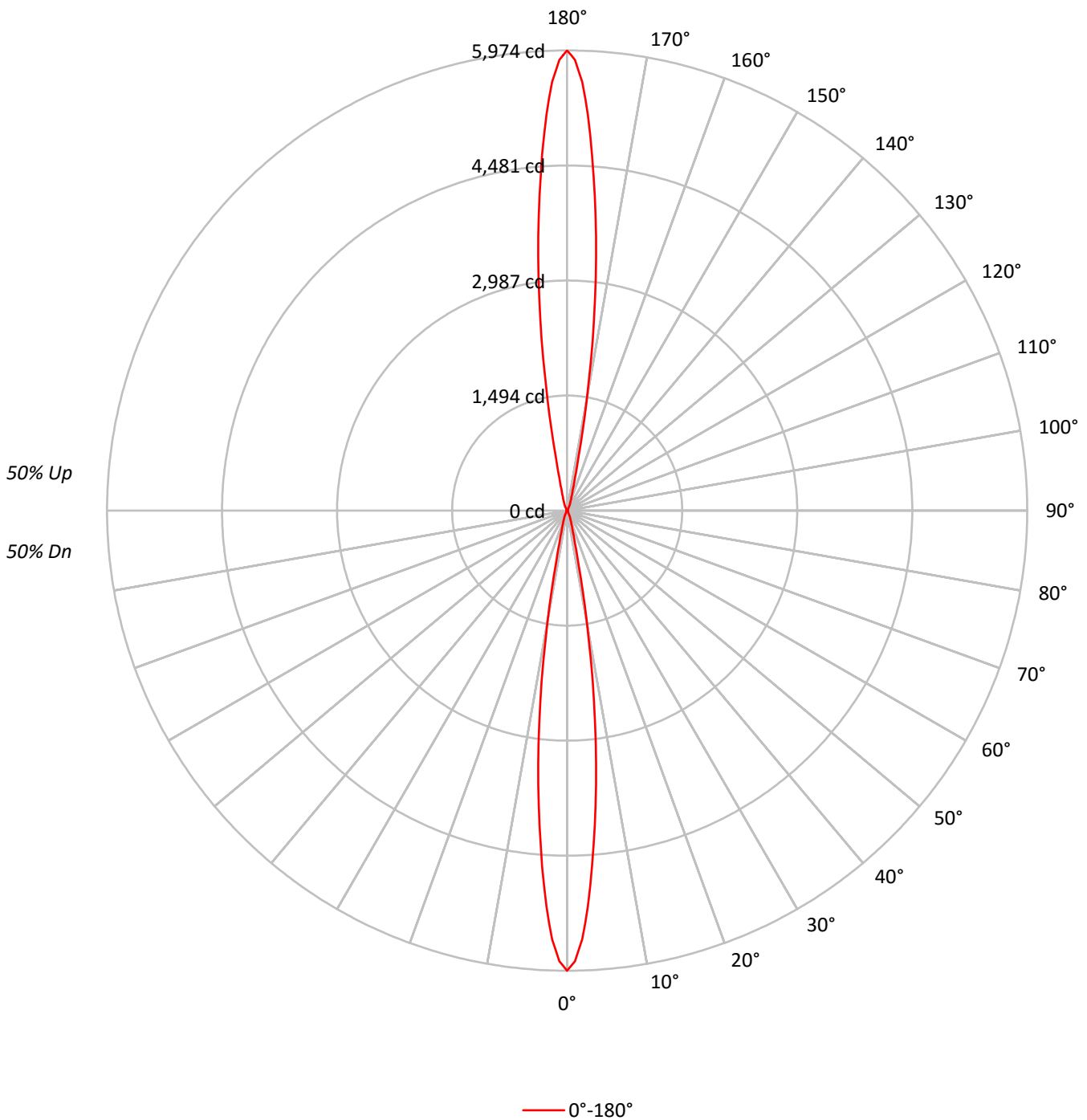
Lumens per Lamp: N/A  
Luminaire Lumens: 936.8 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.24  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: General Diffuse

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	75		66	65	64		55	54	54	49
2	96	91	87	83	89	85	81	78	74	71	69		63	62	61		54	53	52	48
3	91	85	80	76	85	79	75	72	70	67	65		61	59	58		52	51	51	47
4	86	79	74	70	81	75	70	67	66	63	61		59	57	55		51	50	49	46
5	83	75	69	66	77	71	66	63	64	60	58		57	55	53		50	49	48	46
6	79	71	66	62	74	68	63	60	61	58	55		55	53	51		49	48	47	45
7	76	68	62	59	72	65	60	57	59	56	53		54	51	50		49	47	46	44
8	73	65	60	56	69	62	58	55	57	54	52		52	50	48		48	46	45	44
9	71	62	57	54	67	60	56	53	55	52	50		51	49	47		47	46	45	43
10	68	60	55	52	65	58	54	51	54	51	49		50	48	46		46	45	44	43

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

	0°
0°	2947449
5°	2035041
10°	733450
15°	149660
20°	70881
25°	34841
30°	12534
35°	6625
40°	4508
45°	4186
50°	3838
55°	3441
60°	2960
65°	2335
70°	2885
75°	1906
80°	2841
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.8	32.8
10°-20°	111.8	11.9
20°-30°	30.6	3.3
30°-40°	7.5	0.8
40°-50°	4.4	0.5
50°-60°	3.6	0.4
60°-70°	2.1	0.2
70°-80°	1.2	0.1
80°-90°	0.4	0.0
90°-100°	0.7	0.1
100°-110°	1.2	0.1
110°-120°	2.1	0.2
120°-130°	3.6	0.4
130°-140°	4.4	0.5
140°-150°	7.5	0.8
150°-160°	30.6	3.3
160°-170°	111.8	11.9
170°-180°	306.8	32.8
0°-30°	449.3	48.0
0°-40°	456.7	48.8
0°-60°	464.7	49.6
0°-90°	468.4	50.0
90°-120°	4.0	0.4
90°-150°	19.4	2.1
90°-180°	469.0	50.1
0°-180°	936.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5974	
5°	4109	307
15°	293	112
25°	64	31
35°	11	7
45°	6	4
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	4	4
135°	6	4
145°	11	7
155°	64	31
165°	293	112
175°	4109	307
180°	5974	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5974
1°	5851
2°	5569
3°	5148
4°	4638
5°	4109
6°	3583
7°	3053
8°	2509
9°	1969
10°	1464
11°	1035
12°	719
13°	507
14°	376
15°	293
17.5°	187
20°	135
22.5°	99
25°	64
27.5°	37
30°	22
32.5°	14
35°	11
37.5°	9
40°	7
42.5°	6
45°	6
47.5°	5
50°	5
52.5°	5
55°	4
57.5°	3
60°	3
62.5°	2
65°	2
67.5°	2
70°	2
72.5°	1
75°	1
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0



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**CANDELA DISTRIBUTION (continued):**

	0°
90°	0
92.5°	0
95°	0
97.5°	1
100°	1
102.5°	1
105°	1
107.5°	1
110°	2
112.5°	2
115°	2
117.5°	2
120°	3
122.5°	3
125°	4
127.5°	5
130°	5
132.5°	5
135°	6
137.5°	6
140°	7
142.5°	9
145°	11
147.5°	14
150°	22
152.5°	37
155°	64
157.5°	99
160°	135
162.5°	187
165°	293
166°	376
167°	507
168°	719
169°	1035
170°	1464
171°	1969
172°	2509
173°	3053
174°	3583
175°	4109
176°	4638
177°	5148
178°	5569
179°	5851



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CATALOG NUMBER: 9002-W2-[RW, RI]-LED4080-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

180° |  $\frac{0^\circ}{5974}$

(END OF REPORT)