

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: P221482

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-F-BK-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221482  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29474)  
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]-LED4080-F-BK-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3257.8 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

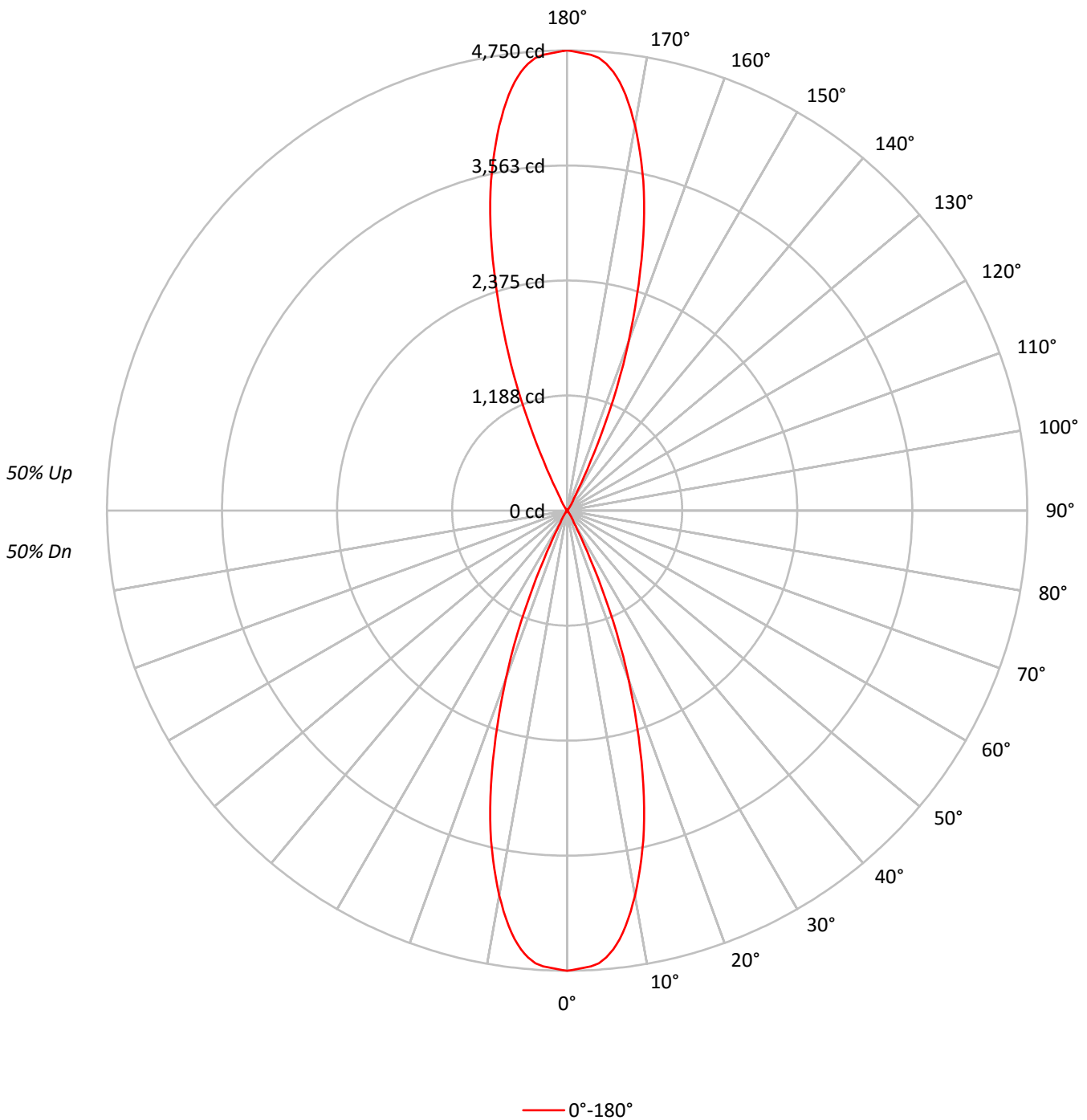
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	95	92	93	91	88	86	77	76	74		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	77	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	48	46		45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45		47	44	42		42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43		45	42	41		41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41		44	41	39		40	38	37	35

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

	0°
0°	1041583
5°	1019148
10°	898224
15°	693988
20°	431004
25°	159687
30°	33423
35°	12582
40°	4580
45°	3101
50°	2729
55°	2294
60°	1754
65°	1038
70°	641
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.8	13.0
10°-20°	820.3	25.2
20°-30°	334.2	10.3
30°-40°	35.3	1.1
40°-50°	8.2	0.3
50°-60°	5.3	0.2
60°-70°	2.3	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	2.3	0.1
120°-130°	5.3	0.2
130°-140°	8.2	0.3
140°-150°	35.3	1.1
150°-160°	334.2	10.3
160°-170°	820.3	25.2
170°-180°	422.8	13.0
0°-30°	1577.3	48.4
0°-40°	1612.6	49.5
0°-60°	1626.2	49.9
0°-90°	1628.9	50.0
90°-120°	3.0	0.1
90°-150°	51.9	1.6
90°-180°	1629.0	50.0
0°-180°	3257.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4750	
5°	4630	423
15°	3057	820
25°	660	334
35°	47	35
45°	10	8
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	6	5
135°	10	8
145°	47	35
155°	660	334
165°	3057	820
175°	4630	423
180°	4750	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4750
1°	4738
2°	4724
3°	4711
4°	4685
5°	4630
6°	4555
7°	4457
8°	4332
9°	4190
10°	4034
11°	3863
12°	3681
13°	3491
14°	3283
15°	3057
16°	2827
17°	2572
18°	2334
19°	2086
20°	1847
21°	1614
22°	1367
23°	1115
24°	876
25°	660
26°	473
27°	322
28°	213
29°	158
30°	132
32.5°	87
35°	47
37.5°	26
40°	16
42.5°	12
45°	10
47.5°	9
50°	8
52.5°	7
55°	6
57.5°	5
60°	4
62.5°	3
65°	2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2
70°	1
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°	1
112.5°	2
115°	2
117.5°	3
120°	4
122.5°	5
125°	6
127.5°	7
130°	8
132.5°	9
135°	10
137.5°	12
140°	16
142.5°	26
145°	47
147.5°	87
150°	132
151°	158
152°	213
153°	322
154°	473
155°	660
156°	876
157°	1115
158°	1367
159°	1614
160°	1847
161°	2086



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2334
163°	2572
164°	2827
165°	3057
166°	3283
167°	3491
168°	3681
169°	3863
170°	4034
171°	4190
172°	4332
173°	4457
174°	4555
175°	4630
176°	4685
177°	4711
178°	4724
179°	4738
180°	4750

(END OF REPORT)