

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: P221521

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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]-LED5080-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1710.6 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

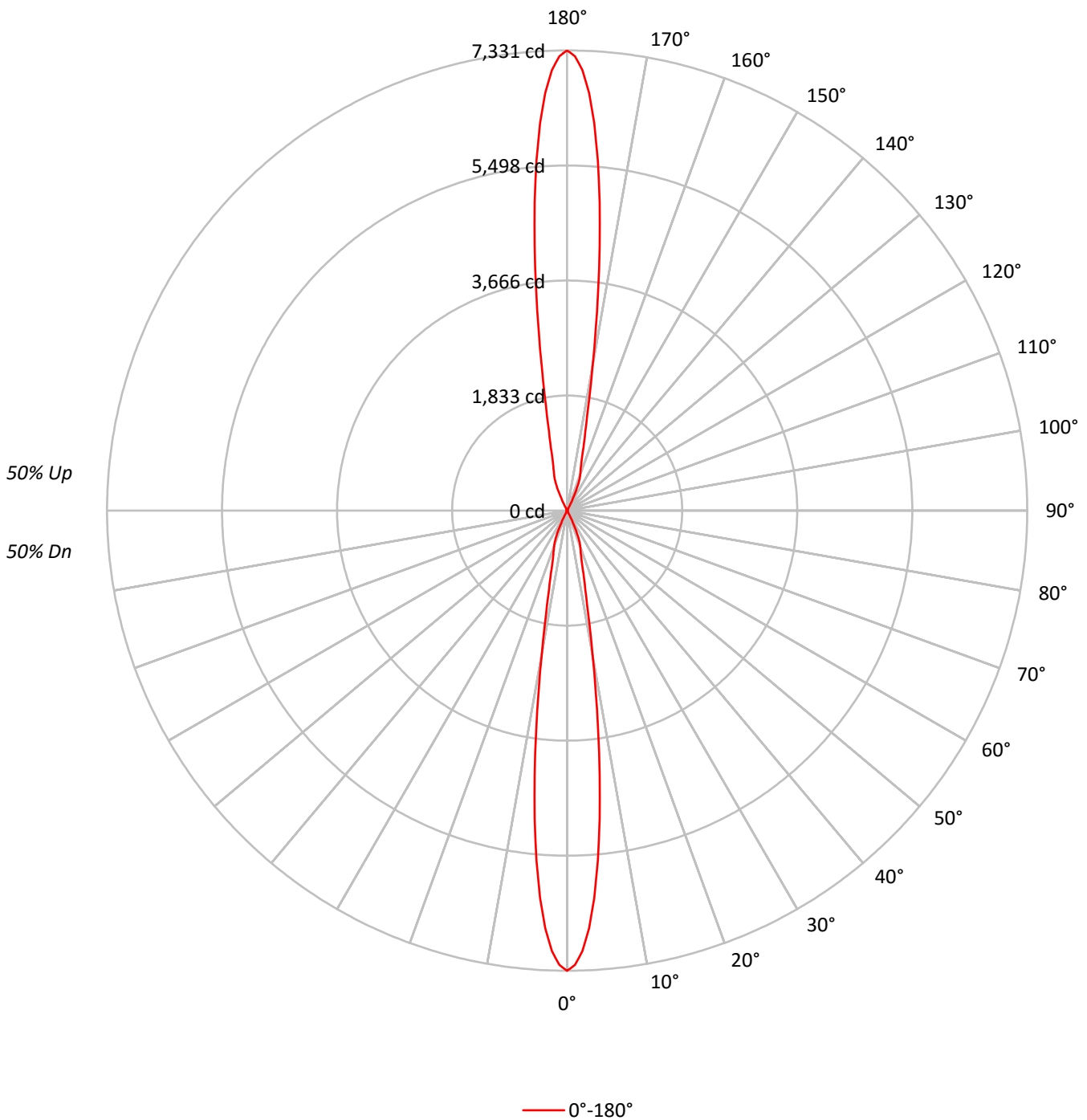
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1607590
5°	1231562
10°	516668
15°	218049
20°	141832
25°	62157
30°	8406
35°	3159
40°	2261
45°	1737
50°	1535
55°	1491
60°	1228
65°	882
70°	385
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.2	24.6
10°-20°	293.7	17.2
20°-30°	121.1	7.1
30°-40°	9.5	0.6
40°-50°	4.6	0.3
50°-60°	3.3	0.2
60°-70°	1.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	1.7	0.1
120°-130°	3.3	0.2
130°-140°	4.6	0.3
140°-150°	9.5	0.6
150°-160°	121.1	7.1
160°-170°	293.7	17.2
170°-180°	421.2	24.6
0°-30°	836.0	48.9
0°-40°	845.5	49.4
0°-60°	853.4	49.9
0°-90°	855.3	50.0
90°-120°	2.1	0.1
90°-150°	19.5	1.1
90°-180°	855.0	50.0
0°-180°	1710.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7331	
5°	5595	421
15°	960	294
25°	257	121
35°	12	10
45°	6	5
55°	4	3
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	4	3
135°	6	5
145°	12	10
155°	257	121
165°	960	294
175°	5595	421
180°	7331	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7331.2
1°	7237.7
2°	7018.6
3°	6662.0
4°	6186.0
5°	5595.0
6°	4937.6
7°	4248.7
8°	3540.0
9°	2890.5
10°	2320.4
11°	1869.1
12°	1535.1
13°	1288.9
14°	1109.2
15°	960.5
16°	840.5
17°	762.2
18°	701.9
19°	649.0
20°	607.8
21°	570.1
22°	512.6
23°	434.3
24°	345.3
25°	256.9
26°	178.6
27°	107.0
28°	59.7
29°	40.0
30°	33.2
32.5°	21.4
35°	11.8
37.5°	9.0
40°	7.9
42.5°	6.8
45°	5.6
47.5°	5.1
50°	4.5
52.5°	3.9
55°	3.9
57.5°	3.4
60°	2.8
62.5°	2.3
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.6
72.5°	0.6
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°	0.6
110°	0.6
112.5°	1.1
115°	1.7
117.5°	2.3
120°	2.8
122.5°	3.4
125°	3.9
127.5°	3.9
130°	4.5
132.5°	5.1
135°	5.6
137.5°	6.8
140°	7.9
142.5°	9.0
145°	11.8
147.5°	21.4
150°	33.2
151°	40.0
152°	59.7
153°	107.0
154°	178.6
155°	256.9
156°	345.3
157°	434.3
158°	512.6
159°	570.1
160°	607.8
161°	649.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	701.9
163°	762.2
164°	840.5
165°	960.5
166°	1109.2
167°	1288.9
168°	1535.1
169°	1869.1
170°	2320.4
171°	2890.5
172°	3540.0
173°	4248.7
174°	4937.6
175°	5595.0
176°	6186.0
177°	6662.0
178°	7018.6
179°	7237.7
180°	7331.2

(END OF REPORT)