

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: P221517

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1625.2 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

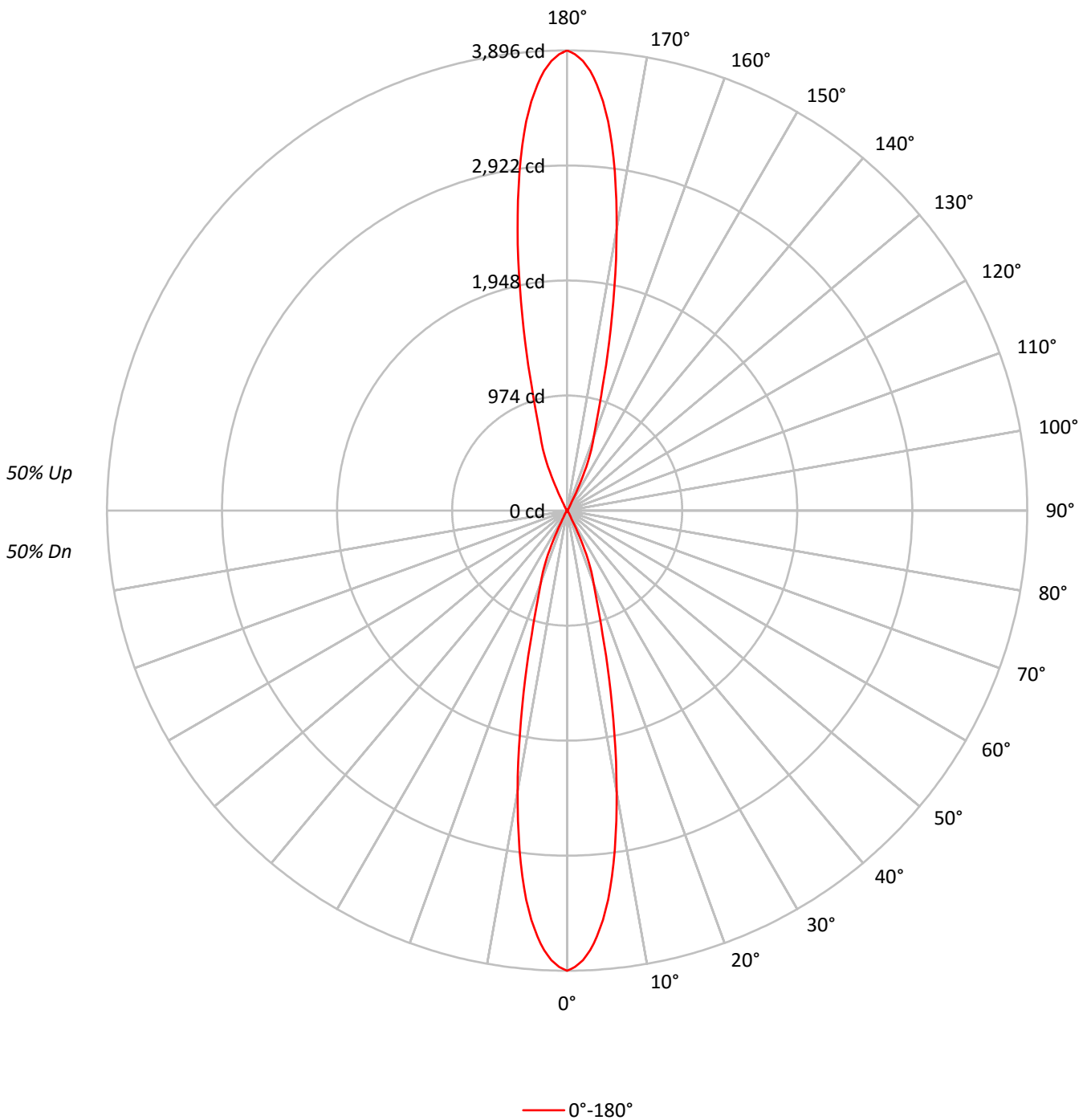
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	78	76	75		66	65	64		54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68		62	61	59		53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63		59	57	56		51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59		57	55	53		49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55		54	52	50		48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52		52	50	48		47	45	44	41
7	73	65	59	55	69	61	57	53	56	52	49		50	48	46		45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47		49	46	44		44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45		47	44	42		43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43		45	43	41		42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	854318
5°	765571
10°	537866
15°	288628
20°	151843
25°	67867
30°	13116
35°	4818
40°	2748
45°	2264
50°	1910
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°	297.6	18.3
10°-20°	358.6	22.1
20°-30°	130.8	8.1
30°-40°	14.4	0.9
40°-50°	5.7	0.3
50°-60°	3.6	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°	3.6	0.2
130°-140°	5.7	0.3
140°-150°	14.4	0.9
150°-160°	130.8	8.1
160°-170°	358.6	22.1
170°-180°	297.6	18.3
0°-30°	787.0	48.4
0°-40°	801.4	49.3
0°-60°	810.7	49.9
0°-90°	812.6	50.0
90°-120°	2.1	0.1
90°-150°	25.8	1.6
90°-180°	813.0	50.0
0°-180°	1625.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3896	
5°	3478	298
15°	1271	359
25°	280	131
35°	18	14
45°	7	6
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	4	4
135°	7	6
145°	18	14
155°	280	131
165°	1271	359
175°	3478	298
180°	3896	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3896.0
1°	3864.5
2°	3809.3
3°	3728.1
4°	3616.0
5°	3478.0
6°	3313.0
7°	3119.2
8°	2899.5
9°	2661.2
10°	2415.6
11°	2168.3
12°	1923.2
13°	1691.7
14°	1470.9
15°	1271.4
16°	1088.4
17°	939.1
18°	818.0
19°	722.2
20°	650.7
21°	592.1
22°	525.0
23°	445.6
24°	362.8
25°	280.5
26°	202.2
27°	132.4
28°	83.4
29°	60.8
30°	51.8
32.5°	34.9
35°	18.0
37.5°	11.8
40°	9.6
42.5°	8.5
45°	7.3
47.5°	6.2
50°	5.6
52.5°	4.5
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°	4.5
130°	5.6
132.5°	6.2
135°	7.3
137.5°	8.5
140°	9.6
142.5°	11.8
145°	18.0
147.5°	34.9
150°	51.8
151°	60.8
152°	83.4
153°	132.4
154°	202.2
155°	280.5
156°	362.8
157°	445.6
158°	525.0
159°	592.1
160°	650.7
161°	722.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	818.0
163°	939.1
164°	1088.4
165°	1271.4
166°	1470.9
167°	1691.7
168°	1923.2
169°	2168.3
170°	2415.6
171°	2661.2
172°	2899.5
173°	3119.2
174°	3313.0
175°	3478.0
176°	3616.0
177°	3728.1
178°	3809.3
179°	3864.5
180°	3896.0

(END OF REPORT)