

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: P221518

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221518
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-L2-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: 2996.9 lumens
Efficiency: N/A
Efficacy: 74.6 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

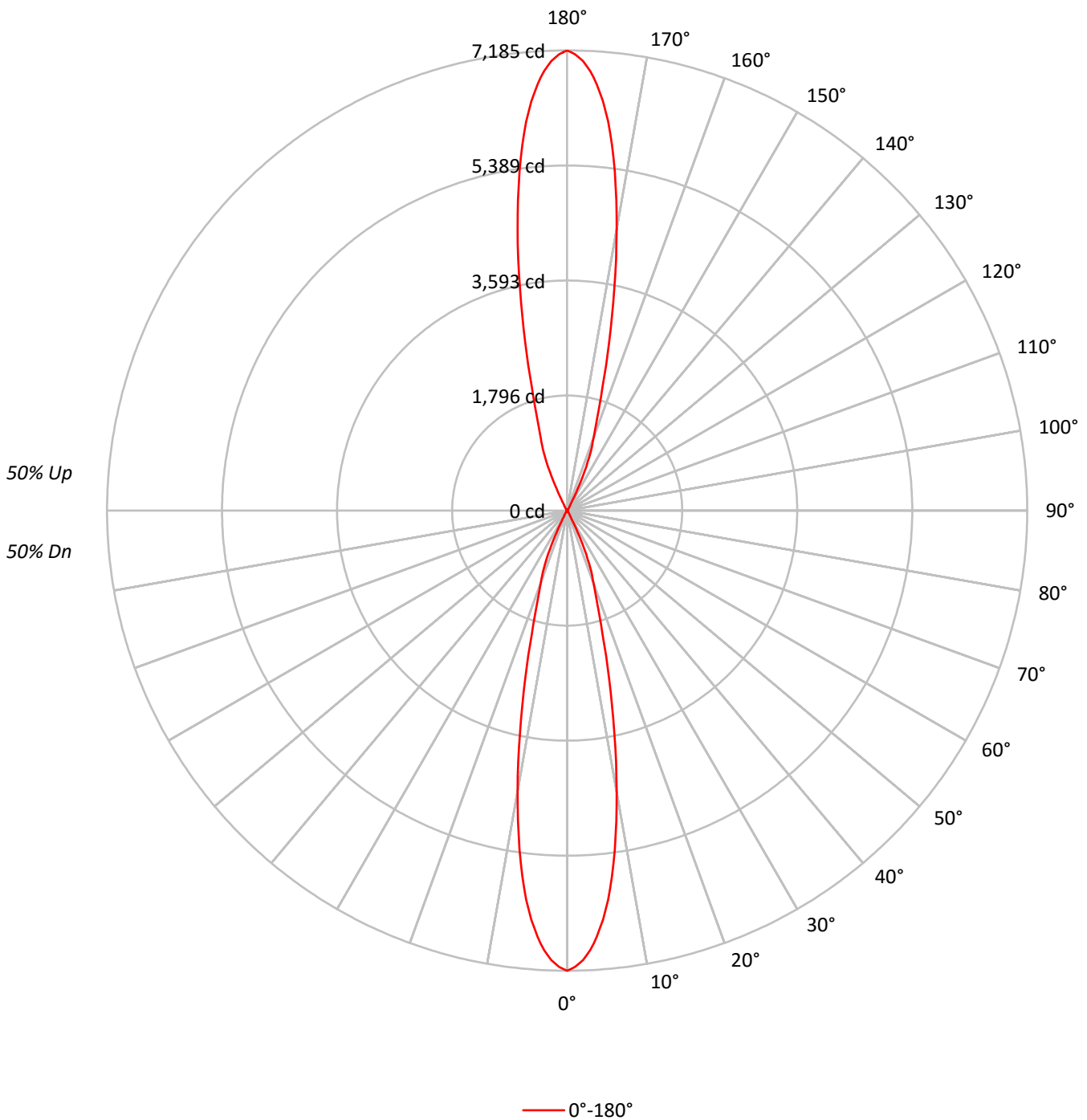
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1575444
5°	1411795
10°	991854
15°	532262
20°	280001
25°	125160
30°	24206
35°	8887
40°	5067
45°	4186
50°	3548
55°	2791
60°	2281
65°	1608
70°	641
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.7	18.3
10°-20°	661.3	22.1
20°-30°	241.3	8.1
30°-40°	26.7	0.9
40°-50°	10.5	0.3
50°-60°	6.6	0.2
60°-70°	3.1	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°	3.1	0.1
120°-130°	6.6	0.2
130°-140°	10.5	0.3
140°-150°	26.7	0.9
150°-160°	241.3	8.1
160°-170°	661.3	22.1
170°-180°	548.7	18.3
0°-30°	1451.3	48.4
0°-40°	1477.9	49.3
0°-60°	1495.0	49.9
0°-90°	1498.5	50.0
90°-120°	3.7	0.1
90°-150°	47.5	1.6
90°-180°	1499.0	50.0
0°-180°	2996.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7185	
5°	6414	549
15°	2345	661
25°	517	241
35°	33	27
45°	14	10
55°	7	7
65°	3	3
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	3	3
125°	7	7
135°	14	10
145°	33	27
155°	517	241
165°	2345	661
175°	6414	549
180°	7185	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7184.6
1°	7126.4
2°	7024.6
3°	6875.0
4°	6668.3
5°	6413.8
6°	6109.4
7°	5752.0
8°	5346.9
9°	4907.5
10°	4454.5
11°	3998.5
12°	3546.6
13°	3119.6
14°	2712.4
15°	2344.6
16°	2007.0
17°	1731.7
18°	1508.4
19°	1331.8
20°	1199.9
21°	1091.8
22°	968.2
23°	821.7
24°	669.0
25°	517.3
26°	372.9
27°	244.1
28°	153.7
29°	112.2
30°	95.6
32.5°	64.4
35°	33.2
37.5°	21.8
40°	17.7
42.5°	15.6
45°	13.5
47.5°	11.4
50°	10.4
52.5°	8.3
55°	7.3
57.5°	6.2
60°	5.2
62.5°	4.2
65°	3.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.1
70°	1.0
72.5°	1.0
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°	1.0
110°	1.0
112.5°	2.1
115°	3.1
117.5°	4.2
120°	5.2
122.5°	6.2
125°	7.3
127.5°	8.3
130°	10.4
132.5°	11.4
135°	13.5
137.5°	15.6
140°	17.7
142.5°	21.8
145°	33.2
147.5°	64.4
150°	95.6
151°	112.2
152°	153.7
153°	244.1
154°	372.9
155°	517.3
156°	669.0
157°	821.7
158°	968.2
159°	1091.8
160°	1199.9
161°	1331.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1508.4
163°	1731.7
164°	2007.0
165°	2344.6
166°	2712.4
167°	3119.6
168°	3546.6
169°	3998.5
170°	4454.5
171°	4907.5
172°	5346.9
173°	5752.0
174°	6109.4
175°	6413.8
176°	6668.3
177°	6875.0
178°	7024.6
179°	7126.4
180°	7184.6

(END OF REPORT)