

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: P221650

Luminaire Tested: **9003-W2-FL-LED4080-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29478)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED4080-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH 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: 3574.2 lumens
Efficiency: N/A
Efficacy: 88.9 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

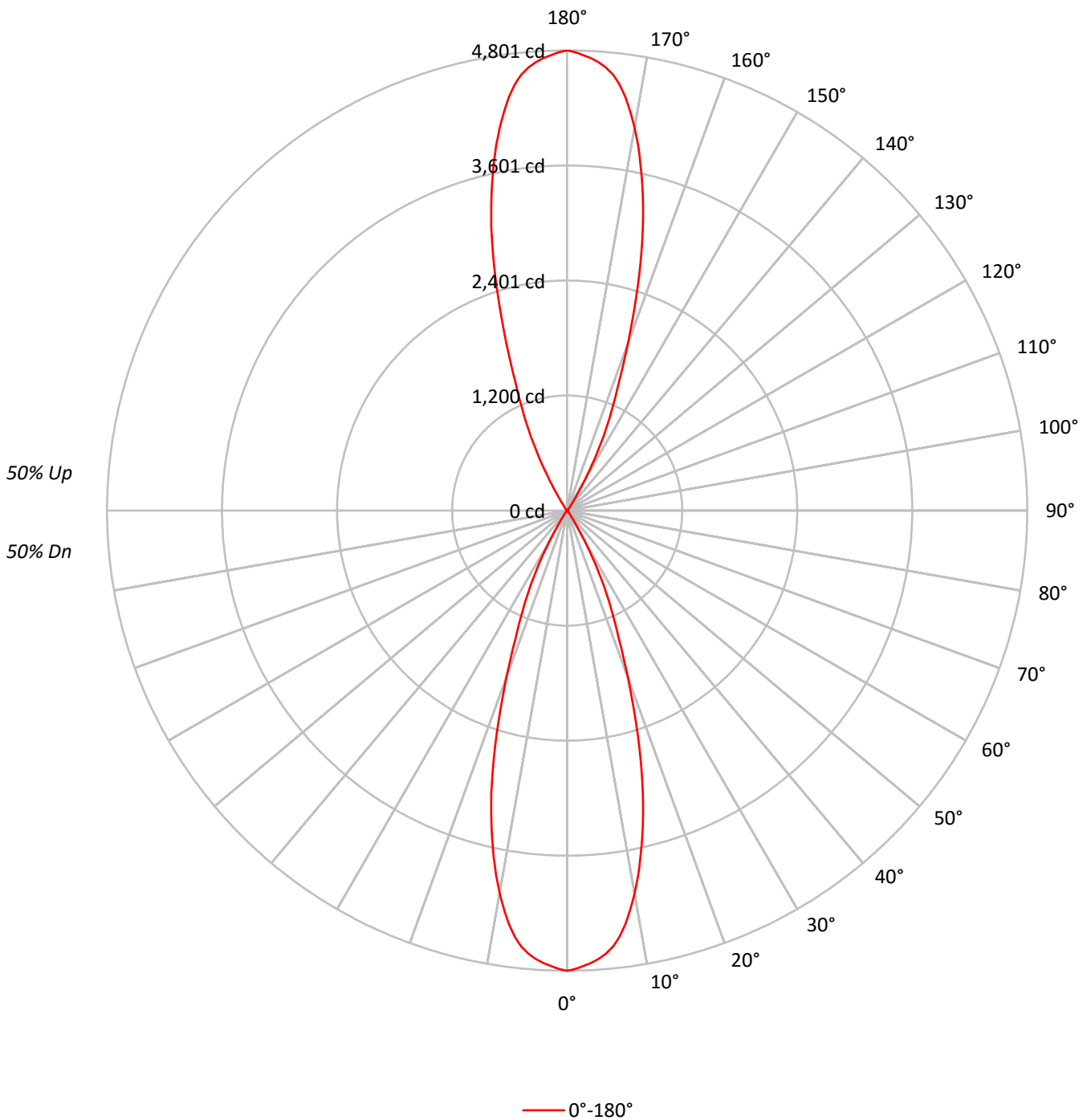
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	95	92	93	90	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	76	72	69	67		62	60	59		52	51	50	46
3	89	82	77	73	83	77	73	69	67	64	62		58	56	55		50	49	48	44
4	84	76	71	66	78	72	67	63	63	60	57		55	53	51		48	47	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	42	39
7	72	62	56	52	67	59	54	50	54	50	47		48	45	43		43	41	40	38
8	68	59	53	49	64	56	51	47	51	47	44		46	43	41		42	40	38	36
9	65	56	50	46	61	53	48	45	49	45	42		44	41	39		40	38	37	35
10	62	53	47	44	59	51	46	42	46	43	40		42	40	38		39	37	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1052767
5°	1021569
10°	903123
15°	693534
20°	431704
25°	243401
30°	92419
35°	19809
40°	7729
45°	2481
50°	2047
55°	1529
60°	1316
65°	1557
70°	1282
75°	1694
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.8	11.9
10°-20°	819.8	22.9
20°-30°	457.1	12.8
30°-40°	69.1	1.9
40°-50°	7.7	0.2
50°-60°	3.9	0.1
60°-70°	2.6	0.1
70°-80°	1.7	0.0
80°-90°	0.4	0.0
90°-100°	0.7	0.0
100°-110°	1.7	0.0
110°-120°	2.6	0.1
120°-130°	3.9	0.1
130°-140°	7.7	0.2
140°-150°	69.1	1.9
150°-160°	457.1	12.8
160°-170°	819.8	22.9
170°-180°	424.8	11.9
0°-30°	1701.7	47.6
0°-40°	1770.8	49.5
0°-60°	1782.4	49.9
0°-90°	1787.1	50.0
90°-120°	5.0	0.1
90°-150°	85.6	2.4
90°-180°	1787.0	50.0
0°-180°	3574.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4801	
5°	4641	425
15°	3055	820
25°	1006	457
35°	74	69
45°	8	8
55°	4	4
65°	3	3
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	2	2
115°	3	3
125°	4	4
135°	8	8
145°	74	69
155°	1006	457
165°	3055	820
175°	4641	425
180°	4801	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4801
1°	4784
2°	4756
3°	4727
4°	4690
5°	4641
6°	4575
7°	4480
8°	4358
9°	4214
10°	4056
11°	3879
12°	3687
13°	3488
14°	3275
15°	3055
16°	2817
17°	2571
18°	2321
19°	2082
20°	1850
21°	1635
22°	1445
23°	1285
24°	1146
25°	1006
26°	869
27°	736
28°	607
29°	483
30°	365
32.5°	146
35°	74
37.5°	46
40°	27
42.5°	10
45°	8
47.5°	6
50°	6
52.5°	5
55°	4
57.5°	4
60°	3
62.5°	3
65°	3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2
70°	2
72.5°	2
75°	2
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	1
100°	1
102.5°	1
105°	2
107.5°	2
110°	2
112.5°	2
115°	3
117.5°	3
120°	3
122.5°	4
125°	4
127.5°	5
130°	6
132.5°	6
135°	8
137.5°	10
140°	27
142.5°	46
145°	74
147.5°	146
150°	365
151°	483
152°	607
153°	736
154°	869
155°	1006
156°	1146
157°	1285
158°	1445
159°	1635
160°	1850
161°	2082



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CANDELA DISTRIBUTION (continued):

	0°
162°	2321
163°	2571
164°	2817
165°	3055
166°	3275
167°	3488
168°	3687
169°	3879
170°	4056
171°	4214
172°	4358
173°	4480
174°	4575
175°	4641
176°	4690
177°	4727
178°	4756
179°	4784
180°	4801

(END OF REPORT)