

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: P221349

Luminaire Tested: **9002-W2-FL-LED4080-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED4080-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

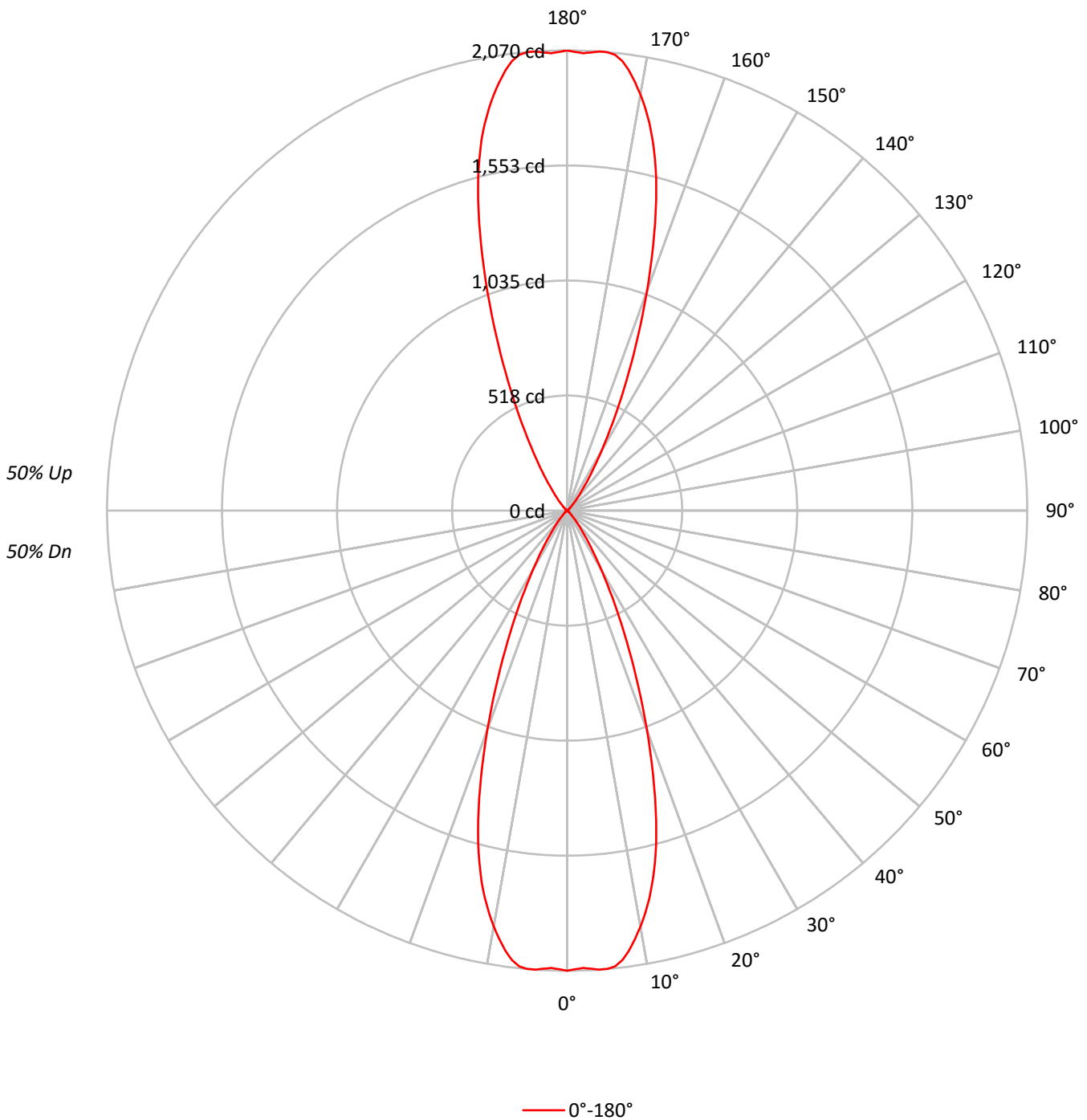
Lumens per Lamp: N/A
Luminaire Lumens: 2029.8 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 20
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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	48	44	59	51	46	42	46	42	40		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1021296
5°	1025197
10°	951882
15°	790183
20°	550246
25°	329897
30°	174330
35°	83118
40°	38644
45°	16746
50°	8443
55°	4301
60°	2960
65°	2335
70°	2885
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.3	9.5
10°-20°	417.5	20.6
20°-30°	281.2	13.9
30°-40°	94.4	4.7
40°-50°	21.3	1.0
50°-60°	5.3	0.3
60°-70°	2.3	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.8	0.0
110°-120°	2.3	0.1
120°-130°	5.3	0.3
130°-140°	21.3	1.0
140°-150°	94.4	4.7
150°-160°	281.2	13.9
160°-170°	417.5	20.6
170°-180°	192.3	9.5
0°-30°	891.0	43.9
0°-40°	985.4	48.5
0°-60°	1012.0	49.9
0°-90°	1014.9	50.0
90°-120°	3.1	0.2
90°-150°	124.2	6.1
90°-180°	1015.0	50.0
0°-180°	2029.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2070	
5°	2070	192
15°	1547	417
25°	606	281
35°	138	94
45°	24	21
55°	5	5
65°	2	2
75°	0	1
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	5	5
135°	24	21
145°	138	94
155°	606	281
165°	1547	417
175°	2070	192
180°	2070	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2070
1°	2063
2°	2059
3°	2064
4°	2070
5°	2070
6°	2062
7°	2038
8°	1999
9°	1951
10°	1900
11°	1843
12°	1781
13°	1711
14°	1633
15°	1547
16°	1452
17°	1354
18°	1251
19°	1149
20°	1048
21°	950
22°	856
23°	767
24°	684
25°	606
26°	534
27°	469
28°	408
29°	354
30°	306
32.5°	207
35°	138
37.5°	92
40°	60
42.5°	37
45°	24
47.5°	16
50°	11
52.5°	8
55°	5
57.5°	4
60°	3
62.5°	3
65°	2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2
70°	2
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°	2
112.5°	2
115°	2
117.5°	3
120°	3
122.5°	4
125°	5
127.5°	8
130°	11
132.5°	16
135°	24
137.5°	37
140°	60
142.5°	92
145°	138
147.5°	207
150°	306
151°	354
152°	408
153°	469
154°	534
155°	606
156°	684
157°	767
158°	856
159°	950
160°	1048
161°	1149



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CANDELA DISTRIBUTION (continued):

	0°
162°	1251
163°	1354
164°	1452
165°	1547
166°	1633
167°	1711
168°	1781
169°	1843
170°	1900
171°	1951
172°	1999
173°	2038
174°	2062
175°	2070
176°	2070
177°	2064
178°	2059
179°	2063
180°	2070

(END OF REPORT)