

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: P221301

Luminaire Tested: **9002-W2-FL-LED2790-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221301
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-LED2790-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

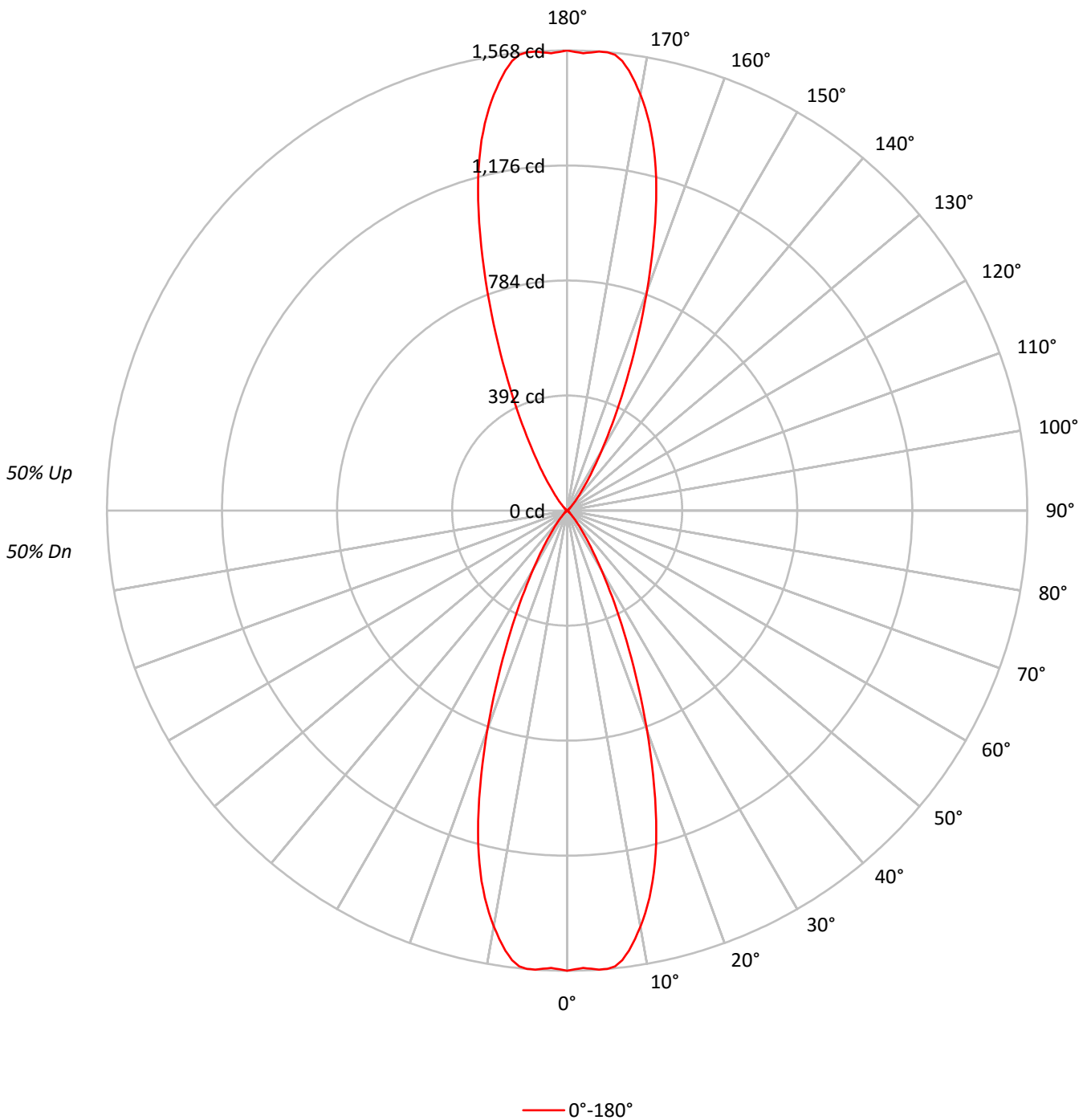
Lumens per Lamp: N/A
Luminaire Lumens: 1537.4 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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°	773570
5°	776525
10°	720976
15°	598537
20°	416780
25°	249872
30°	132058
35°	62941
40°	29240
45°	12699
50°	6371
55°	3269
60°	2270
65°	1751
70°	2164
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	9.5
10°-20°	316.2	20.6
20°-30°	213.0	13.9
30°-40°	71.5	4.7
40°-50°	16.1	1.0
50°-60°	4.0	0.3
60°-70°	1.8	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.8	0.1
120°-130°	4.0	0.3
130°-140°	16.1	1.0
140°-150°	71.5	4.7
150°-160°	213.0	13.9
160°-170°	316.2	20.6
170°-180°	145.7	9.5
0°-30°	674.9	43.9
0°-40°	746.4	48.5
0°-60°	766.5	49.9
0°-90°	768.7	50.0
90°-120°	2.4	0.2
90°-150°	94.1	6.1
90°-180°	769.0	50.0
0°-180°	1537.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1568	
5°	1568	146
15°	1172	316
25°	459	213
35°	104	72
45°	18	16
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	4	4
135°	18	16
145°	104	72
155°	459	213
165°	1172	316
175°	1568	146
180°	1568	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1567.9
1°	1562.6
2°	1559.6
3°	1563.4
4°	1567.9
5°	1567.9
6°	1561.8
7°	1543.7
8°	1514.1
9°	1477.8
10°	1439.1
11°	1396.0
12°	1349.0
13°	1296.0
14°	1236.9
15°	1171.8
16°	1099.8
17°	1025.6
18°	947.6
19°	870.3
20°	793.8
21°	719.6
22°	648.4
23°	581.0
24°	518.1
25°	459.0
26°	404.5
27°	355.2
28°	309.0
29°	268.1
30°	231.8
32.5°	156.8
35°	104.5
37.5°	69.7
40°	45.4
42.5°	28.0
45°	18.2
47.5°	12.1
50°	8.3
52.5°	6.1
55°	3.8
57.5°	3.0
60°	2.3
62.5°	2.3
65°	1.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	1.5
72.5°	0.8
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°	0.8
110°	1.5
112.5°	1.5
115°	1.5
117.5°	2.3
120°	2.3
122.5°	3.0
125°	3.8
127.5°	6.1
130°	8.3
132.5°	12.1
135°	18.2
137.5°	28.0
140°	45.4
142.5°	69.7
145°	104.5
147.5°	156.8
150°	231.8
151°	268.1
152°	309.0
153°	355.2
154°	404.5
155°	459.0
156°	518.1
157°	581.0
158°	648.4
159°	719.6
160°	793.8
161°	870.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	947.6
163°	1025.6
164°	1099.8
165°	1171.8
166°	1236.9
167°	1296.0
168°	1349.0
169°	1396.0
170°	1439.1
171°	1477.8
172°	1514.1
173°	1543.7
174°	1561.8
175°	1567.9
176°	1567.9
177°	1563.4
178°	1559.6
179°	1562.6
180°	1567.9

(END OF REPORT)