

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: P221307

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221307
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)
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-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1434.3 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

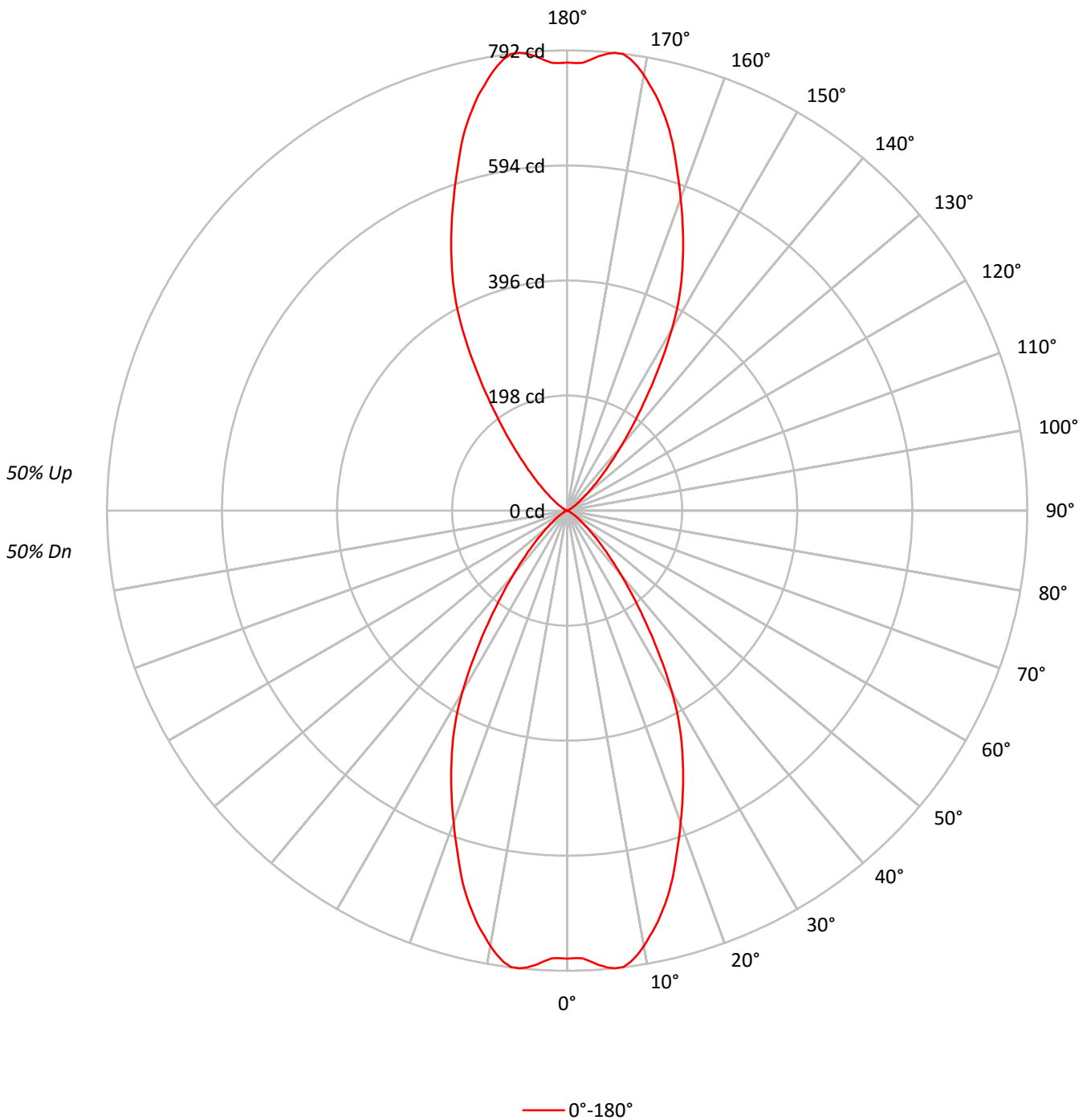
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	91	92	89	87	85	76	75	73	64	63	62	53	52	52	47				
2	93	87	82	78	86	81	77	73	70	67	64	59	57	56	50	49	47	43				
3	87	79	73	69	80	74	69	65	64	60	57	55	52	50	47	45	44	40				
4	81	72	66	61	75	68	62	58	59	55	52	51	48	46	44	42	40	37				
5	75	66	59	54	70	62	56	52	54	50	47	47	44	42	41	39	37	34				
6	71	60	54	49	66	57	51	47	50	46	43	44	41	38	38	36	34	32				
7	66	56	49	44	62	53	47	43	47	42	39	41	38	35	36	34	32	30				
8	62	52	45	40	58	49	43	39	44	39	36	39	35	33	34	32	30	28				
9	59	48	42	37	55	46	40	36	41	36	33	36	33	30	32	30	28	26				
10	55	45	38	34	52	43	37	33	38	34	31	34	31	28	30	28	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	380445
5°	390912
10°	381354
15°	346669
20°	299852
25°	256078
30°	205835
35°	142807
40°	92230
45°	56029
50°	32545
55°	18236
60°	9670
65°	5253
70°	2164
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	5.2
10°-20°	188.0	13.1
20°-30°	214.4	14.9
30°-40°	150.1	10.5
40°-50°	64.7	4.5
50°-60°	20.4	1.4
60°-70°	4.7	0.3
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°	4.7	0.3
120°-130°	20.4	1.4
130°-140°	64.7	4.5
140°-150°	150.1	10.5
150°-160°	214.4	14.9
160°-170°	188.0	13.1
170°-180°	74.6	5.2
0°-30°	476.9	33.3
0°-40°	627.0	43.7
0°-60°	712.0	49.6
0°-90°	717.2	50.0
90°-120°	5.3	0.4
90°-150°	240.5	16.8
90°-180°	717.0	50.0
0°-180°	1434.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	771	
5°	789	75
15°	679	188
25°	470	214
35°	237	150
45°	80	65
55°	21	20
65°	4	5
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	4	5
125°	21	20
135°	80	65
145°	237	150
155°	470	214
165°	679	188
175°	789	75
180°	771	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	771.1
1°	770.3
2°	771.1
3°	777.1
4°	784.0
5°	789.3
6°	792.3
7°	791.5
8°	784.7
9°	774.1
10°	761.2
11°	746.1
12°	731.7
13°	715.0
14°	697.6
15°	678.7
16°	658.2
17°	635.5
18°	613.5
19°	592.3
20°	571.1
21°	551.4
22°	531.0
23°	510.5
24°	490.8
25°	470.4
26°	450.7
27°	430.2
28°	408.3
29°	385.5
30°	361.3
32.5°	296.9
35°	237.1
37.5°	186.3
40°	143.2
42.5°	108.3
45°	80.3
47.5°	58.3
50°	42.4
52.5°	30.3
55°	21.2
57.5°	14.4
60°	9.8
62.5°	6.8
65°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
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°	2.3
115°	4.5
117.5°	6.8
120°	9.8
122.5°	14.4
125°	21.2
127.5°	30.3
130°	42.4
132.5°	58.3
135°	80.3
137.5°	108.3
140°	143.2
142.5°	186.3
145°	237.1
147.5°	296.9
150°	361.3
151°	385.5
152°	408.3
153°	430.2
154°	450.7
155°	470.4
156°	490.8
157°	510.5
158°	531.0
159°	551.4
160°	571.1
161°	592.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	613.5
163°	635.5
164°	658.2
165°	678.7
166°	697.6
167°	715.0
168°	731.7
169°	746.1
170°	761.2
171°	774.1
172°	784.7
173°	791.5
174°	792.3
175°	789.3
176°	784.0
177°	777.1
178°	771.1
179°	770.3
180°	771.1

(END OF REPORT)