

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: P221217

Luminaire Tested: **9002-W2-[RW, RI]-LED2790-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29415)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-[RW, RI]-LED2790-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

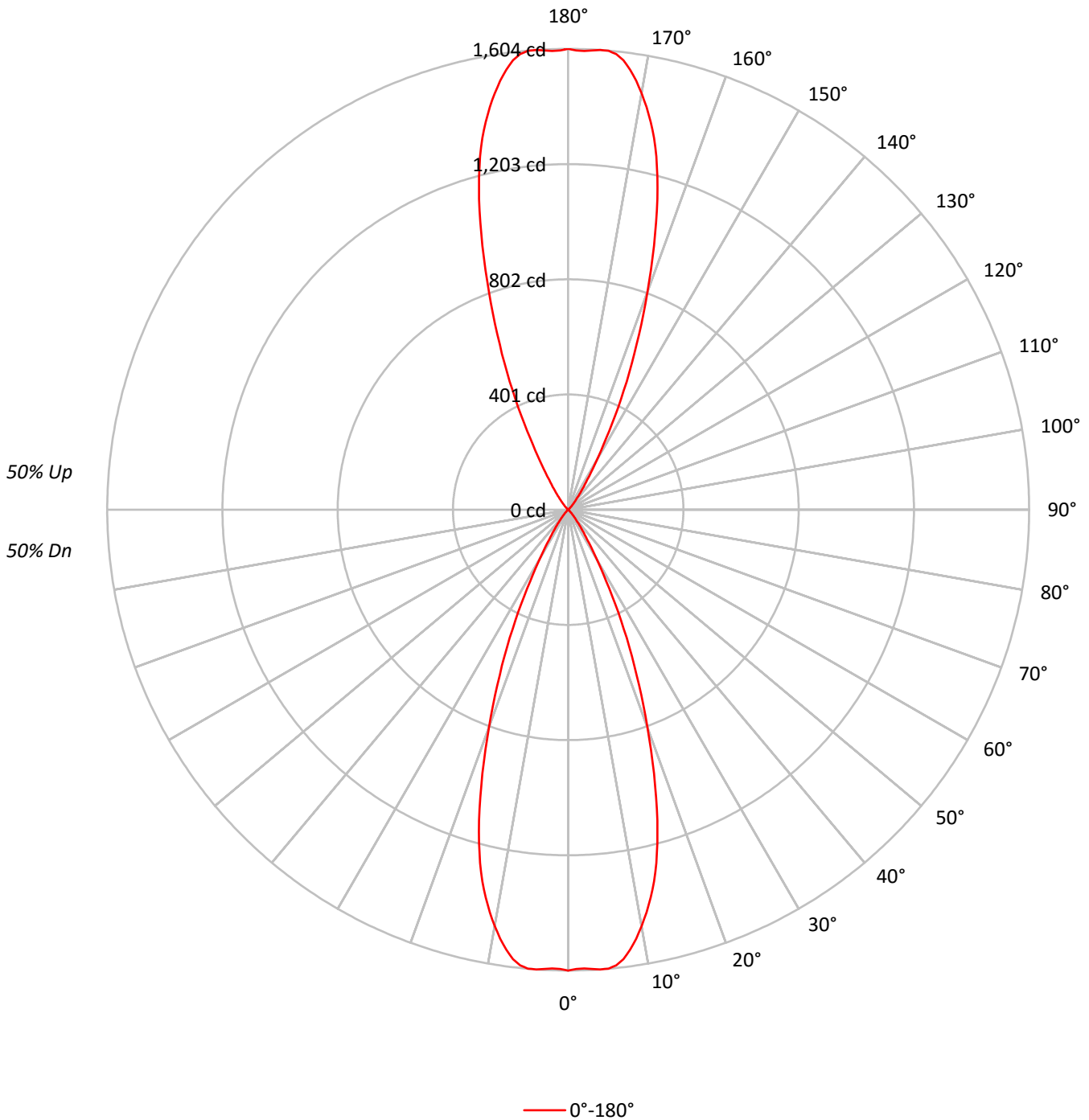
Lumens per Lamp: N/A
Luminaire Lumens: 1492.9 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	101	97	95	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	85	81	87	83	79	76	72	69	67		61	60	58		52	51	50	46
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		50	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	52	50		47	46	45	41
5	79	70	64	60	74	66	61	57	59	55	52		52	49	47		45	44	42	40
6	75	65	59	55	70	62	57	53	55	51	49		49	47	44		44	42	40	38
7	71	61	55	51	66	58	53	49	52	48	46		47	44	42		42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43		45	42	40		40	38	37	35
9	64	54	48	45	60	52	47	43	47	43	40		43	40	38		39	37	35	33
10	61	51	46	42	57	49	44	41	45	41	38		41	38	36		37	35	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	791529
5°	794156
10°	737308
15°	612839
20°	422345
25°	249056
30°	111320
35°	47462
40°	19000
45°	6838
50°	2303
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	10.0
10°-20°	323.0	21.6
20°-30°	209.3	14.0
30°-40°	55.0	3.7
40°-50°	9.2	0.6
50°-60°	1.0	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	1.0	0.1
130°-140°	9.2	0.6
140°-150°	55.0	3.7
150°-160°	209.3	14.0
160°-170°	323.0	21.6
170°-180°	148.9	10.0
0°-30°	681.3	45.6
0°-40°	736.2	49.3
0°-60°	746.4	50.0
0°-90°	746.4	50.0
90°-120°	0.0	0.0
90°-150°	65.2	4.4
90°-180°	746.0	50.0
0°-180°	1492.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1604	
5°	1604	149
15°	1200	323
25°	458	209
35°	79	55
45°	10	9
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	10	9
145°	79	55
155°	458	209
165°	1200	323
175°	1604	149
180°	1604	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1604.3
1°	1599.0
2°	1597.4
3°	1600.5
4°	1604.3
5°	1603.5
6°	1594.4
7°	1576.2
8°	1546.7
9°	1511.8
10°	1471.7
11°	1427.8
12°	1380.1
13°	1327.8
14°	1267.2
15°	1199.8
16°	1125.6
17°	1046.8
18°	965.7
19°	883.2
20°	804.4
22.5°	621.9
25°	457.5
26°	396.9
27°	336.3
28°	281.8
29°	234.8
30°	195.4
32.5°	122.7
35°	78.8
37.5°	48.5
40°	29.5
42.5°	17.4
45°	9.8
47.5°	5.3
50°	3.0
52.5°	1.5
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.8
125°	0.8
127.5°	1.5
130°	3.0
132.5°	5.3
135°	9.8
137.5°	17.4
140°	29.5
142.5°	48.5
145°	78.8
147.5°	122.7
150°	195.4
151°	234.8
152°	281.8
153°	336.3
154°	396.9
155°	457.5
157.5°	621.9
160°	804.4
161°	883.2
162°	965.7
163°	1046.8
164°	1125.6
165°	1199.8
166°	1267.2
167°	1327.8



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CANDELA DISTRIBUTION (continued):

	0°
168°	1380.1
169°	1427.8
170°	1471.7
171°	1511.8
172°	1546.7
173°	1576.2
174°	1594.4
175°	1603.5
176°	1604.3
177°	1600.5
178°	1597.4
179°	1599.0
180°	1604.3

(END OF REPORT)