

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: P221295

Luminaire Tested: **9002-W2-[RW, RI]-LED CR-W-BK-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29547)
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]-LEDCR-W-BK-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

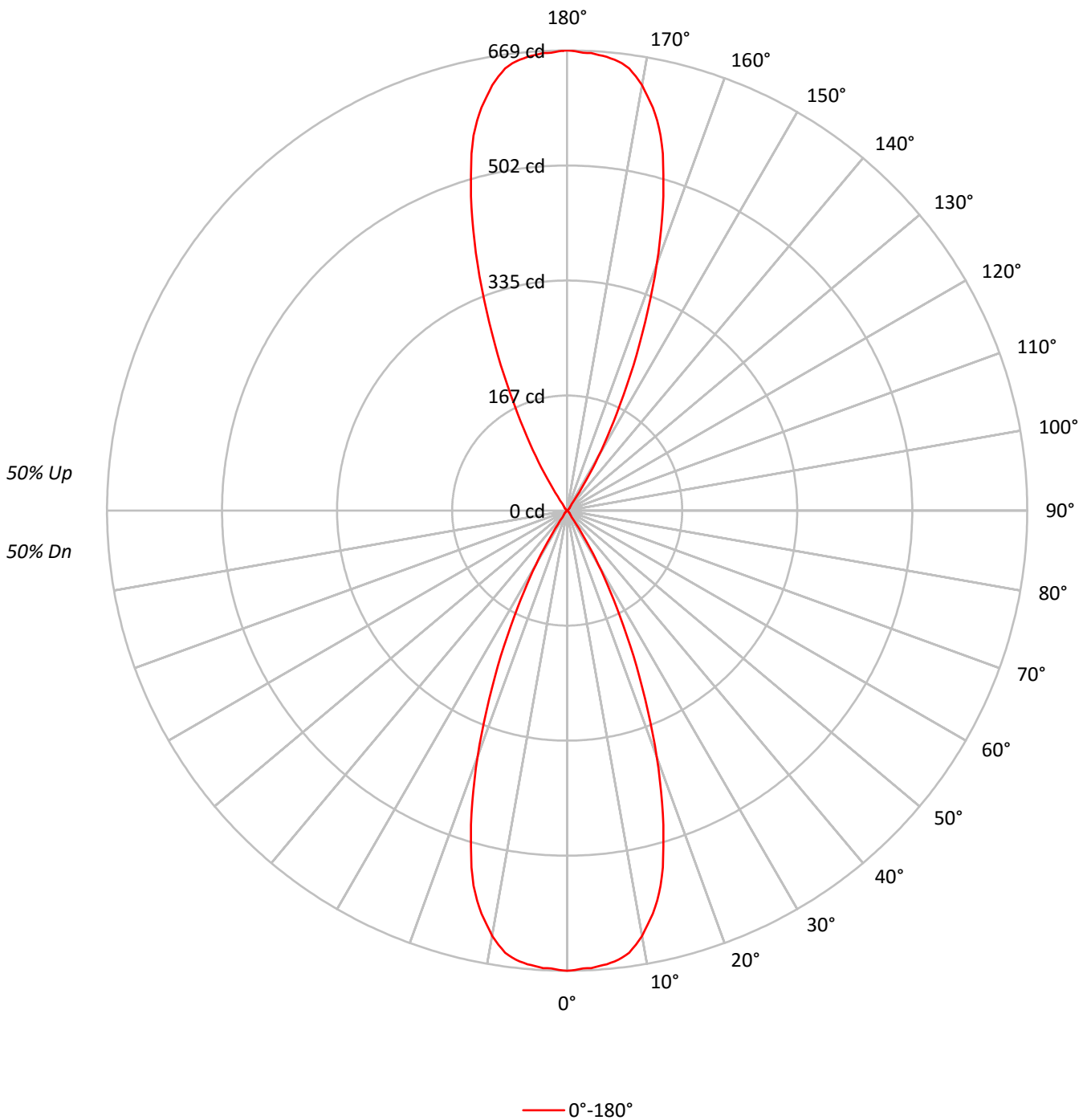
Lumens per Lamp: N/A
Luminaire Lumens: 655.7 lumens
Efficiency: N/A
Efficacy: 24.3 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 27
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	88	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	52	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°	330071
5°	327865
10°	314622
15°	274291
20°	200042
25°	118131
30°	51843
35°	6625
40°	3864
45°	2791
50°	1535
55°	1720
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	9.5
10°-20°	144.8	22.1
20°-30°	99.1	15.1
30°-40°	16.7	2.5
40°-50°	3.2	0.5
50°-60°	1.4	0.2
60°-70°	0.4	0.1
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°	0.6	0.1
120°-130°	1.4	0.2
130°-140°	3.2	0.5
140°-150°	16.7	2.5
150°-160°	99.1	15.1
160°-170°	144.8	22.1
170°-180°	62.2	9.5
0°-30°	306.1	46.7
0°-40°	322.8	49.2
0°-60°	327.5	49.9
0°-90°	327.9	50.0
90°-120°	0.6	0.1
90°-150°	22.0	3.4
90°-180°	328.0	50.0
0°-180°	655.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	669	
5°	662	62
15°	537	145
25°	217	99
35°	11	17
45°	4	3
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	2	1
135°	4	3
145°	11	17
155°	217	99
165°	537	145
175°	662	62
180°	669	



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CATALOG NUMBER: 9002-W2-[RW, RI]-LEDCR-W-BK-LC1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	669
1°	668
2°	666
3°	666
4°	664
5°	662
6°	659
7°	655
8°	649
9°	639
10°	628
11°	613
12°	599
13°	582
14°	562
15°	537
16°	507
17°	478
18°	447
19°	414
20°	381
21°	347
22°	313
23°	280
24°	248
25°	217
26°	187
27°	159
28°	134
29°	111
30°	91
32.5°	45
35°	11
37.5°	8
40°	6
42.5°	6
45°	4
47.5°	3
50°	2
52.5°	2
55°	2
57.5°	1
60°	1
62.5°	1
65°	0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0
70°	0
72.5°	0
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°	0
110°	0
112.5°	0
115°	0
117.5°	1
120°	1
122.5°	1
125°	2
127.5°	2
130°	2
132.5°	3
135°	4
137.5°	6
140°	6
142.5°	8
145°	11
147.5°	45
150°	91
151°	111
152°	134
153°	159
154°	187
155°	217
156°	248
157°	280
158°	313
159°	347
160°	381
161°	414



TEST NUMBER: P221295

CATALOG NUMBER: 9002-W2-[RW, RI]-LEDCL-W-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	447
163°	478
164°	507
165°	537
166°	562
167°	582
168°	599
169°	613
170°	628
171°	639
172°	649
173°	655
174°	659
175°	662
176°	664
177°	666
178°	666
179°	668
180°	669

(END OF REPORT)