

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: P221293

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29546)
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-F-BK-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, 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: 809.1 lumens
Efficiency: N/A
Efficacy: 30.0 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.58
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

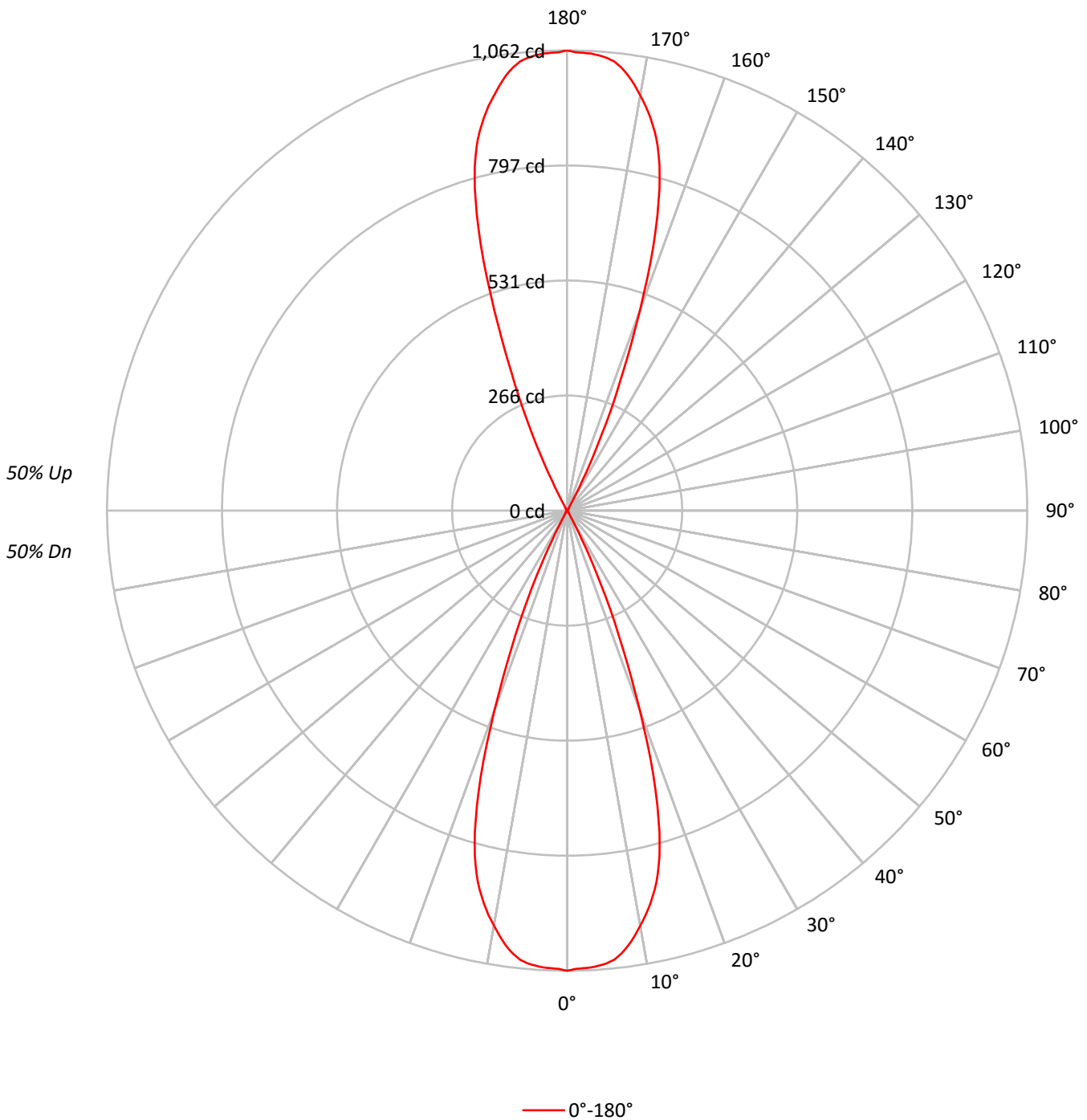
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	95	92	93	91	88	86	77	76	75		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	60	59		52	51	51	46
3	89	83	78	73	83	78	73	70	68	65	62		59	57	55		50	49	48	45
4	84	77	71	67	79	72	67	64	64	60	58		56	54	52		49	47	46	43
5	80	72	66	61	75	68	63	59	60	57	54		53	51	49		47	45	44	41
6	76	67	61	57	71	64	59	55	57	53	51		51	49	47		45	44	42	40
7	72	63	57	53	68	60	55	51	54	51	48		49	46	44		44	42	41	39
8	69	60	54	50	65	57	52	48	52	48	45		47	44	42		42	41	39	37
9	66	57	51	47	62	54	49	46	50	46	43		45	42	41		41	39	38	36
10	63	54	48	45	60	52	47	44	47	44	41		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	523969
5°	519532
10°	487464
15°	420886
20°	256746
25°	90912
30°	6836
35°	3614
40°	2576
45°	2093
50°	1535
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.8	12.1
10°-20°	216.6	26.8
20°-30°	83.0	10.3
30°-40°	4.0	0.5
40°-50°	2.1	0.3
50°-60°	1.0	0.1
60°-70°	0.1	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°	0.1	0.0
120°-130°	1.0	0.1
130°-140°	2.1	0.3
140°-150°	4.0	0.5
150°-160°	83.0	10.3
160°-170°	216.6	26.8
170°-180°	97.8	12.1
0°-30°	397.3	49.1
0°-40°	401.3	49.6
0°-60°	404.4	50.0
0°-90°	404.6	50.0
90°-120°	0.1	0.0
90°-150°	7.2	0.9
90°-180°	405.0	50.1
0°-180°	809.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1062	
5°	1049	98
15°	824	217
25°	167	83
35°	6	4
45°	3	2
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°	3	2
145°	6	4
155°	167	83
165°	824	217
175°	1049	98
180°	1062	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1062
1°	1058
2°	1057
3°	1056
4°	1053
5°	1049
6°	1042
7°	1030
8°	1014
9°	994
10°	973
11°	951
12°	926
13°	898
14°	865
15°	824
16°	773
17°	713
18°	646
19°	569
20°	489
21°	415
22°	345
23°	281
24°	222
25°	167
26°	118
27°	77
28°	45
29°	24
30°	12
32.5°	7
35°	6
37.5°	5
40°	4
42.5°	3
45°	3
47.5°	2
50°	2
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	0
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°	0
120°	1
122.5°	1
125°	1
127.5°	1
130°	2
132.5°	2
135°	3
137.5°	3
140°	4
142.5°	5
145°	6
147.5°	7
150°	12
151°	24
152°	45
153°	77
154°	118
155°	167
156°	222
157°	281
158°	345
159°	415
160°	489
161°	569



TEST NUMBER: P221293

CATALOG NUMBER: 9002-W2-[RW, RI]-LED CR-F-BK-LC1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	646
163°	713
164°	773
165°	824
166°	865
167°	898
168°	926
169°	951
170°	973
171°	994
172°	1014
173°	1030
174°	1042
175°	1049
176°	1053
177°	1056
178°	1057
179°	1058
180°	1062

(END OF REPORT)