

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: P221299

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221299
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]-LEDCW-W-BK-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 649.9 lumens
Efficiency: N/A
Efficacy: 24.1 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

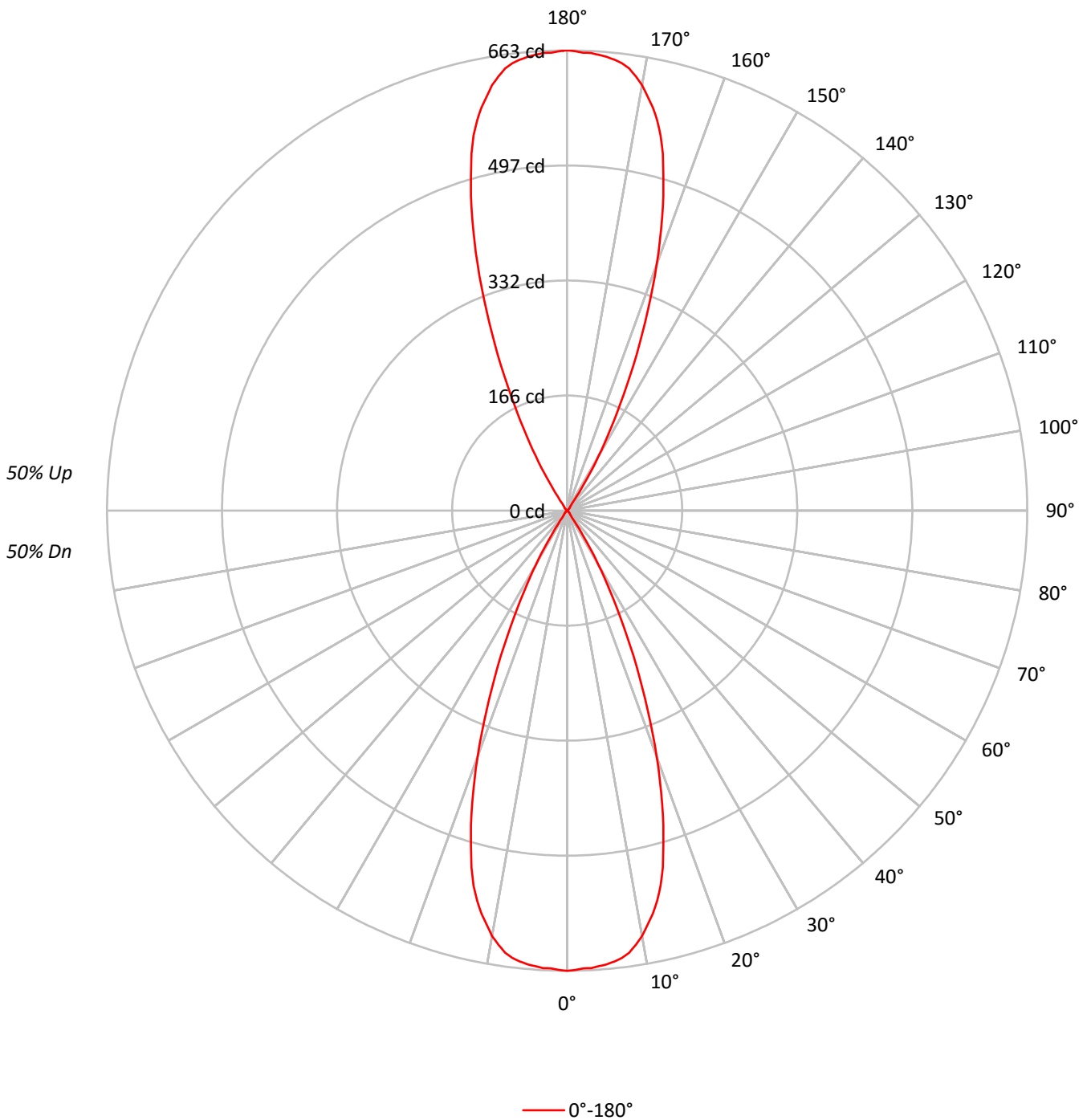
Input Watts (W): 27
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	327160
5°	324943
10°	311817
15°	271839
20°	198256
25°	117097
30°	51387
35°	6565
40°	3800
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°	61.7	9.5
10°-20°	143.5	22.1
20°-30°	98.2	15.1
30°-40°	16.5	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°	16.5	2.5
150°-160°	98.2	15.1
160°-170°	143.5	22.1
170°-180°	61.7	9.5
0°-30°	303.4	46.7
0°-40°	319.9	49.2
0°-60°	324.6	49.9
0°-90°	324.9	50.0
90°-120°	0.6	0.1
90°-150°	21.8	3.4
90°-180°	325.0	50.0
0°-180°	649.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	663	
5°	656	62
15°	532	144
25°	215	98
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°	215	98
165°	532	144
175°	656	62
180°	663	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	663.1
1°	662.1
2°	660.1
3°	660.1
4°	658.1
5°	656.1
6°	653.2
7°	649.2
8°	643.3
9°	633.3
10°	622.4
11°	607.6
12°	593.7
13°	576.8
14°	557.0
15°	532.2
16°	502.5
17°	473.8
18°	443.0
19°	410.3
20°	377.6
21°	343.9
22°	310.2
23°	277.5
24°	245.8
25°	215.1
26°	185.3
27°	157.6
28°	132.8
29°	110.0
30°	90.2
32.5°	44.6
35°	10.9
37.5°	7.9
40°	5.9
42.5°	5.9
45°	4.0
47.5°	3.0
50°	2.0
52.5°	2.0
55°	2.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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°	1.0
120°	1.0
122.5°	1.0
125°	2.0
127.5°	2.0
130°	2.0
132.5°	3.0
135°	4.0
137.5°	5.9
140°	5.9
142.5°	7.9
145°	10.9
147.5°	44.6
150°	90.2
151°	110.0
152°	132.8
153°	157.6
154°	185.3
155°	215.1
156°	245.8
157°	277.5
158°	310.2
159°	343.9
160°	377.6
161°	410.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	443.0
163°	473.8
164°	502.5
165°	532.2
166°	557.0
167°	576.8
168°	593.7
169°	607.6
170°	622.4
171°	633.3
172°	643.3
173°	649.2
174°	653.2
175°	656.1
176°	658.1
177°	660.1
178°	660.1
179°	662.1
180°	663.1

(END OF REPORT)