

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: P221383

Luminaire Tested: **9002-W2-FL-LEDCW-W-BK-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29549)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LEDCW-W-BK-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH 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: 860.3 lumens
Efficiency: N/A
Efficacy: 31.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.76
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

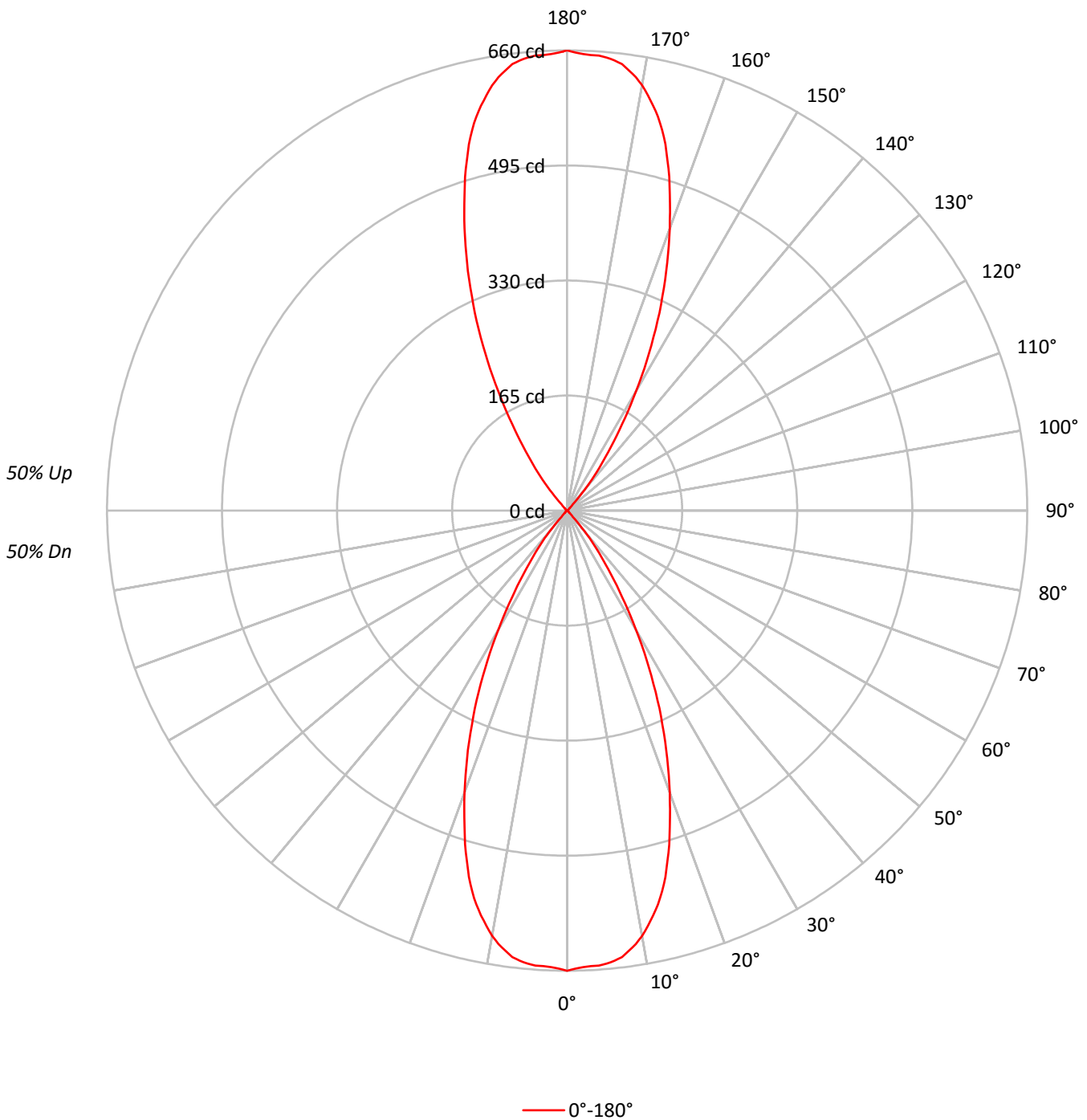
Input Watts (W): 27
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	91	93	90	88	85	77	75	74		65	64	63		54	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66		61	59	57		51	50	49	44
3	88	81	75	71	82	76	71	67	66	62	60		57	54	52		48	47	46	42
4	82	74	68	63	77	70	64	60	61	57	54		53	51	48		46	44	43	39
5	77	68	62	57	72	64	59	55	57	53	50		50	47	45		44	42	40	37
6	73	63	57	52	68	60	54	50	53	49	46		47	44	42		41	39	38	35
7	69	59	53	48	64	56	50	46	50	46	43		45	41	39		39	37	36	33
8	65	55	49	44	61	52	47	43	47	43	40		42	39	37		38	35	34	32
9	61	51	45	41	58	49	44	40	44	40	37		40	37	35		36	34	32	30
10	58	48	42	38	55	46	41	37	42	38	35		38	35	33		34	32	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	325680
5°	323011
10°	310364
15°	277918
20°	225874
25°	170501
30°	112346
35°	62098
40°	24925
45°	3489
50°	2303
55°	2581
60°	987
65°	1167
70°	1443
75°	1906
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	7.1
10°-20°	149.1	17.3
20°-30°	141.6	16.5
30°-40°	66.7	7.8
40°-50°	7.8	0.9
50°-60°	2.0	0.2
60°-70°	1.0	0.1
70°-80°	0.7	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.1
110°-120°	1.0	0.1
120°-130°	2.0	0.2
130°-140°	7.8	0.9
140°-150°	66.7	7.8
150°-160°	141.6	16.5
160°-170°	149.1	17.3
170°-180°	61.3	7.1
0°-30°	352.0	40.9
0°-40°	418.7	48.7
0°-60°	428.5	49.8
0°-90°	430.2	50.0
90°-120°	1.6	0.2
90°-150°	78.2	9.1
90°-180°	430.0	50.0
0°-180°	860.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	660	
5°	652	61
15°	544	149
25°	313	142
35°	103	67
45°	5	8
55°	3	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	3	2
135°	5	8
145°	103	67
155°	313	142
165°	544	149
175°	652	61
180°	660	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	660.1
1°	657.1
2°	655.1
3°	654.1
4°	654.1
5°	652.2
6°	649.2
7°	645.2
8°	637.3
9°	629.4
10°	619.5
11°	606.6
12°	593.7
13°	579.8
14°	563.0
15°	544.1
16°	522.3
17°	500.5
18°	476.7
19°	452.9
20°	430.2
21°	406.4
22°	383.6
23°	359.8
24°	336.0
25°	313.2
26°	289.4
27°	265.6
28°	242.8
29°	221.0
30°	197.2
32.5°	146.7
35°	103.1
37.5°	69.4
40°	38.7
42.5°	11.9
45°	5.0
47.5°	4.0
50°	3.0
52.5°	3.0
55°	3.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
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°	1.0
107.5°	1.0
110°	1.0
112.5°	1.0
115°	1.0
117.5°	1.0
120°	1.0
122.5°	1.0
125°	3.0
127.5°	3.0
130°	3.0
132.5°	4.0
135°	5.0
137.5°	11.9
140°	38.7
142.5°	69.4
145°	103.1
147.5°	146.7
150°	197.2
151°	221.0
152°	242.8
153°	265.6
154°	289.4
155°	313.2
156°	336.0
157°	359.8
158°	383.6
159°	406.4
160°	430.2
161°	452.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	476.7
163°	500.5
164°	522.3
165°	544.1
166°	563.0
167°	579.8
168°	593.7
169°	606.6
170°	619.5
171°	629.4
172°	637.3
173°	645.2
174°	649.2
175°	652.2
176°	654.1
177°	654.1
178°	655.1
179°	657.1
180°	660.1

(END OF REPORT)