

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: P221300

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29545)
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-WT-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE 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: 880.3 lumens
Efficiency: N/A
Efficacy: 31.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

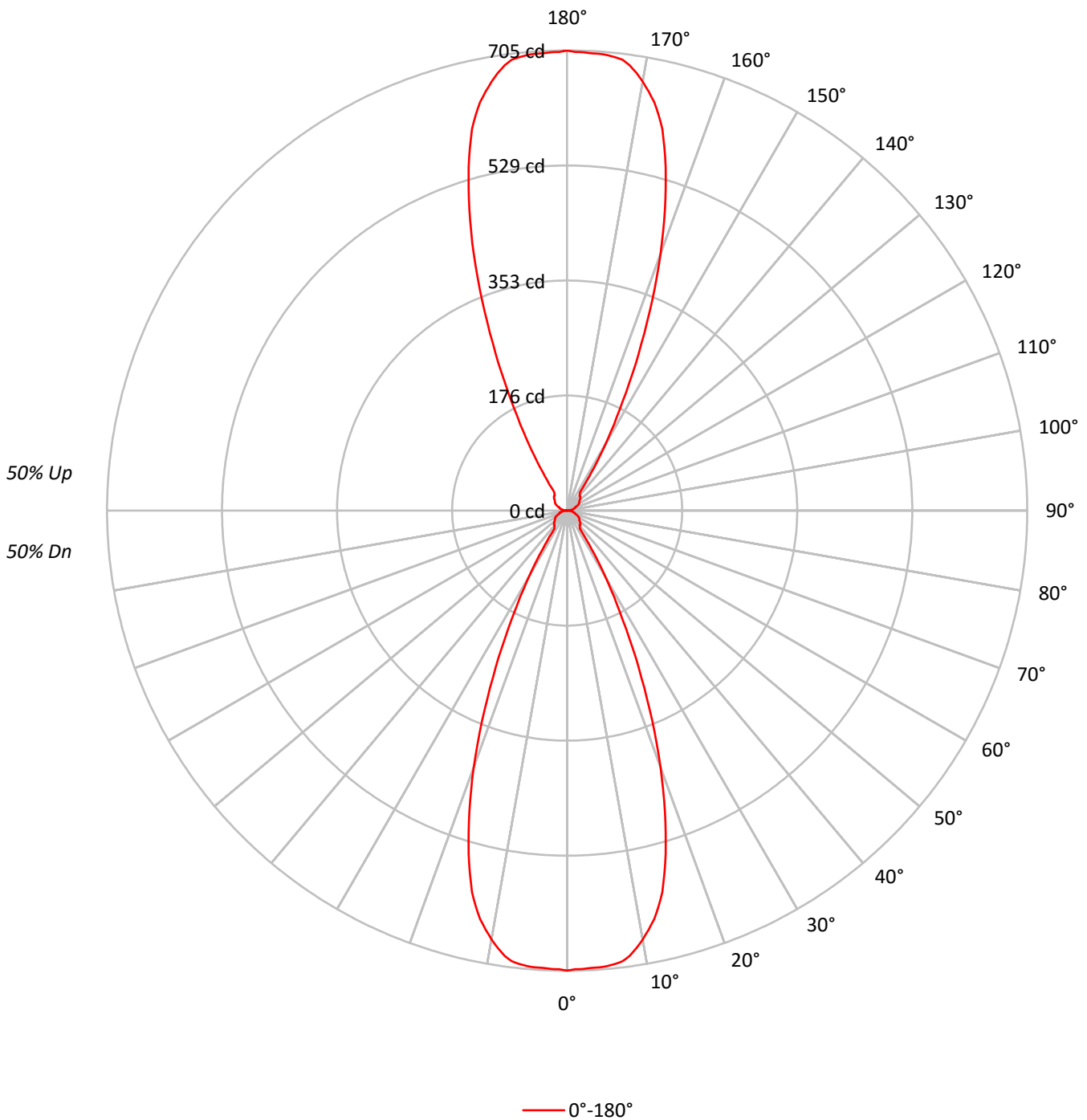
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	96	93	90	92	89	86	84	76	74	72	64	62	61	53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42
3	86	79	73	68	80	74	68	64	64	60	57	55	52	50	46	45	43	39
4	81	72	66	61	75	68	62	58	59	55	52	51	48	46	44	42	40	37
5	76	66	60	55	70	62	56	52	55	50	47	48	45	42	41	39	38	35
6	71	61	55	50	66	58	52	48	51	47	43	45	42	39	39	37	35	33
7	67	57	50	46	63	54	48	44	48	44	40	42	39	37	37	35	33	31
8	63	53	47	42	59	50	45	41	45	41	38	40	37	34	36	33	31	29
9	60	50	43	39	56	47	42	38	43	38	35	38	35	33	34	32	30	28
10	57	47	41	37	53	45	39	35	40	36	33	36	33	31	33	30	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	347685
5°	347032
10°	334161
15°	294109
20°	219626
25°	135443
30°	67168
35°	20900
40°	19129
45°	20025
50°	19036
55°	19612
60°	20525
65°	19613
70°	18609
75°	20778
80°	19605
85°	16983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	7.5
10°-20°	155.9	17.7
20°-30°	113.4	12.9
30°-40°	31.9	3.6
40°-50°	21.7	2.5
50°-60°	20.4	2.3
60°-70°	16.4	1.9
70°-80°	11.0	1.2
80°-90°	3.4	0.4
90°-100°	3.4	0.4
100°-110°	11.0	1.2
110°-120°	16.4	1.9
120°-130°	20.4	2.3
130°-140°	21.7	2.5
140°-150°	31.9	3.6
150°-160°	113.4	12.9
160°-170°	155.9	17.7
170°-180°	66.0	7.5
0°-30°	335.3	38.1
0°-40°	367.2	41.7
0°-60°	409.4	46.5
0°-90°	440.1	50.0
90°-120°	30.8	3.5
90°-150°	104.8	11.9
90°-180°	440.0	50.0
0°-180°	880.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	705	
5°	701	66
15°	576	156
25°	249	113
35°	35	32
45°	29	22
55°	23	20
65°	17	16
75°	11	11
85°	3	3
90°	0	0
95°	3	3
105°	11	11
115°	17	16
125°	23	20
135°	29	22
145°	35	32
155°	249	113
165°	576	156
175°	701	66
180°	705	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	704.7
1°	702.7
2°	702.7
3°	701.7
4°	701.7
5°	700.7
6°	698.7
7°	695.8
8°	688.8
9°	678.9
10°	667.0
11°	654.1
12°	640.3
13°	622.4
14°	602.6
15°	575.8
16°	547.1
17°	516.4
18°	484.7
19°	452.0
20°	418.3
21°	382.6
22°	347.9
23°	313.2
24°	279.5
25°	248.8
26°	217.1
27°	187.3
28°	161.6
29°	138.8
30°	117.9
32.5°	69.4
35°	34.7
37.5°	31.7
40°	29.7
42.5°	29.7
45°	28.7
47.5°	26.8
50°	24.8
52.5°	23.8
55°	22.8
57.5°	21.8
60°	20.8
62.5°	18.8
65°	16.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.9
70°	12.9
72.5°	11.9
75°	10.9
77.5°	8.9
80°	6.9
82.5°	5.0
85°	3.0
87.5°	1.0
90°	0.0
92.5°	1.0
95°	3.0
97.5°	5.0
100°	6.9
102.5°	8.9
105°	10.9
107.5°	11.9
110°	12.9
112.5°	13.9
115°	16.8
117.5°	18.8
120°	20.8
122.5°	21.8
125°	22.8
127.5°	23.8
130°	24.8
132.5°	26.8
135°	28.7
137.5°	29.7
140°	29.7
142.5°	31.7
145°	34.7
147.5°	69.4
150°	117.9
151°	138.8
152°	161.6
153°	187.3
154°	217.1
155°	248.8
156°	279.5
157°	313.2
158°	347.9
159°	382.6
160°	418.3
161°	452.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	484.7
163°	516.4
164°	547.1
165°	575.8
166°	602.6
167°	622.4
168°	640.3
169°	654.1
170°	667.0
171°	678.9
172°	688.8
173°	695.8
174°	698.7
175°	700.7
176°	701.7
177°	701.7
178°	702.7
179°	702.7
180°	704.7

(END OF REPORT)