

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: P221223

Luminaire Tested: **9002-W2-[RW, RI]-LED2790-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)
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]-LED2790-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1369.9 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

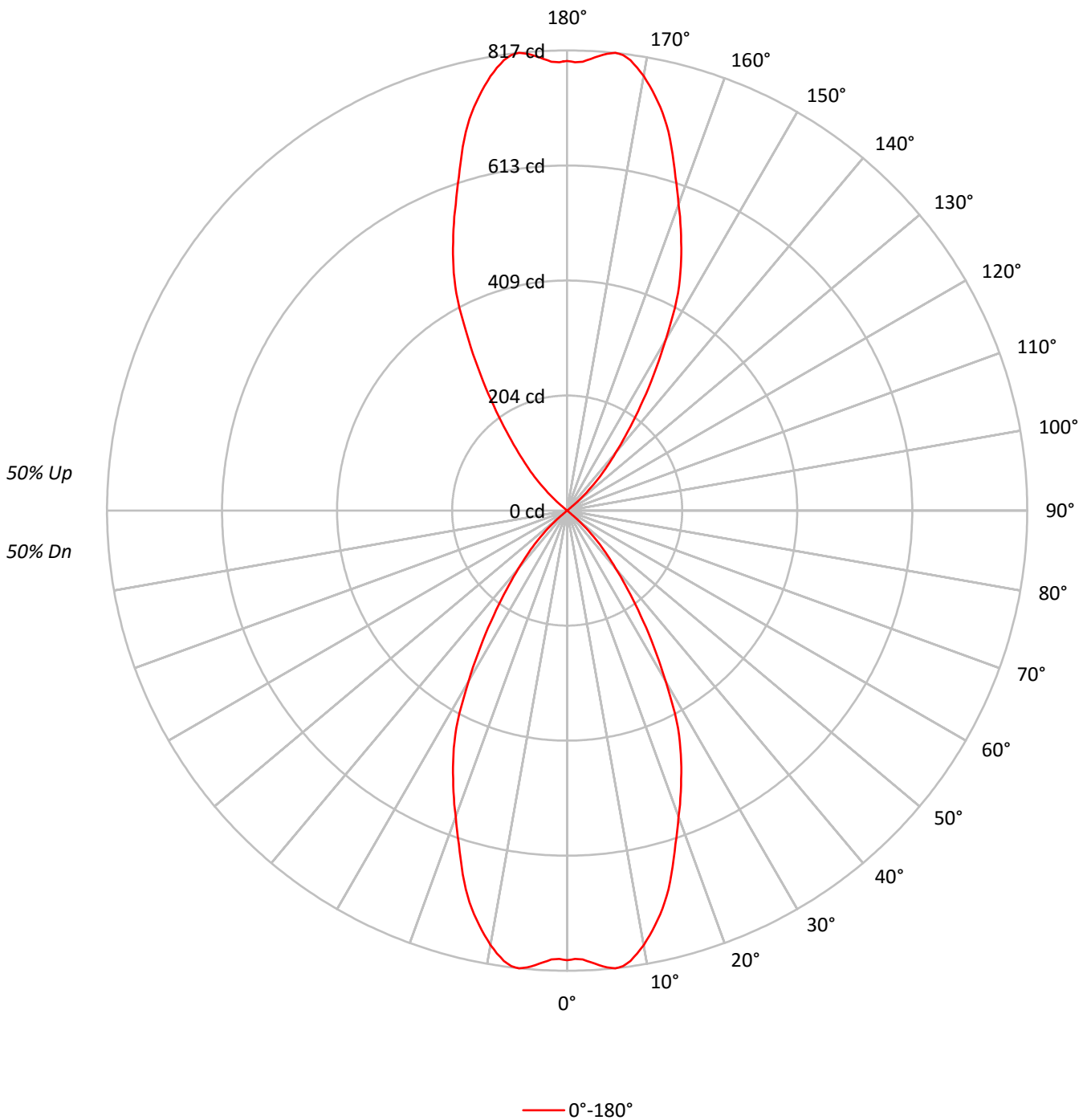
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	94	91	92	90	87	85	77	75	73	64	63	62	53	53	52	47
2	93	88	83	79	86	82	78	74	70	67	65	60	58	56	50	49	48	44
3	87	80	74	69	81	75	70	66	65	61	58	56	53	51	47	46	44	41
4	81	73	67	62	76	68	63	59	60	56	53	52	49	47	45	43	41	38
5	76	67	60	55	71	63	57	53	55	51	48	48	45	43	42	40	38	35
6	71	61	55	50	67	58	52	48	51	47	44	45	42	40	40	37	36	33
7	67	57	50	46	63	54	48	44	48	43	40	42	39	37	37	35	33	31
8	63	53	46	42	59	50	44	40	45	40	37	40	37	34	35	33	31	29
9	59	49	43	38	56	47	41	37	42	38	34	38	34	32	33	31	29	27
10	56	46	40	36	53	44	38	34	39	35	32	35	32	30	32	29	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	393865
5°	403294
10°	392376
15°	355557
20°	303843
25°	260161
30°	199340
35°	136844
40°	86369
45°	50238
50°	10439
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	5.6
10°-20°	192.1	14.0
20°-30°	215.8	15.8
30°-40°	143.6	10.5
40°-50°	54.4	4.0
50°-60°	2.1	0.2
60°-70°	0.0	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°	0.0	0.0
120°-130°	2.1	0.2
130°-140°	54.4	4.0
140°-150°	143.6	10.5
150°-160°	215.8	15.8
160°-170°	192.1	14.0
170°-180°	76.9	5.6
0°-30°	484.8	35.4
0°-40°	628.4	45.9
0°-60°	684.9	50.0
0°-90°	684.9	50.0
90°-120°	0.0	0.0
90°-150°	200.1	14.6
90°-180°	685.0	50.0
0°-180°	1369.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	798	
5°	814	77
15°	696	192
25°	478	216
35°	227	144
45°	72	54
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	2
135°	72	54
145°	227	144
155°	478	216
165°	696	192
175°	814	77
180°	798	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	798.3
1°	796.1
2°	797.6
3°	802.9
4°	809.0
5°	814.3
6°	817.3
7°	815.0
8°	807.4
9°	796.1
10°	783.2
11°	768.0
12°	752.1
13°	735.5
14°	716.5
15°	696.1
16°	671.9
17°	646.9
18°	622.6
19°	600.7
20°	578.7
21°	559.0
22°	538.5
23°	518.1
24°	498.4
25°	477.9
26°	456.7
27°	433.3
28°	407.5
29°	378.0
30°	349.9
32.5°	285.6
35°	227.2
37.5°	176.5
40°	134.1
42.5°	100.7
45°	72.0
47.5°	40.9
50°	13.6
52.5°	1.5
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
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°	0.0
120°	0.0
122.5°	0.8
125°	0.8
127.5°	1.5
130°	13.6
132.5°	40.9
135°	72.0
137.5°	100.7
140°	134.1
142.5°	176.5
145°	227.2
147.5°	285.6
150°	349.9
151°	378.0
152°	407.5
153°	433.3
154°	456.7
155°	477.9
156°	498.4
157°	518.1
158°	538.5
159°	559.0
160°	578.7
161°	600.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	622.6
163°	646.9
164°	671.9
165°	696.1
166°	716.5
167°	735.5
168°	752.1
169°	768.0
170°	783.2
171°	796.1
172°	807.4
173°	815.0
174°	817.3
175°	814.3
176°	809.0
177°	802.9
178°	797.6
179°	796.1
180°	798.3

(END OF REPORT)