

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: P221240

Luminaire Tested: **9002-W2-[RW, RI]-LED3090-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
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]-LED3090-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1553.2 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

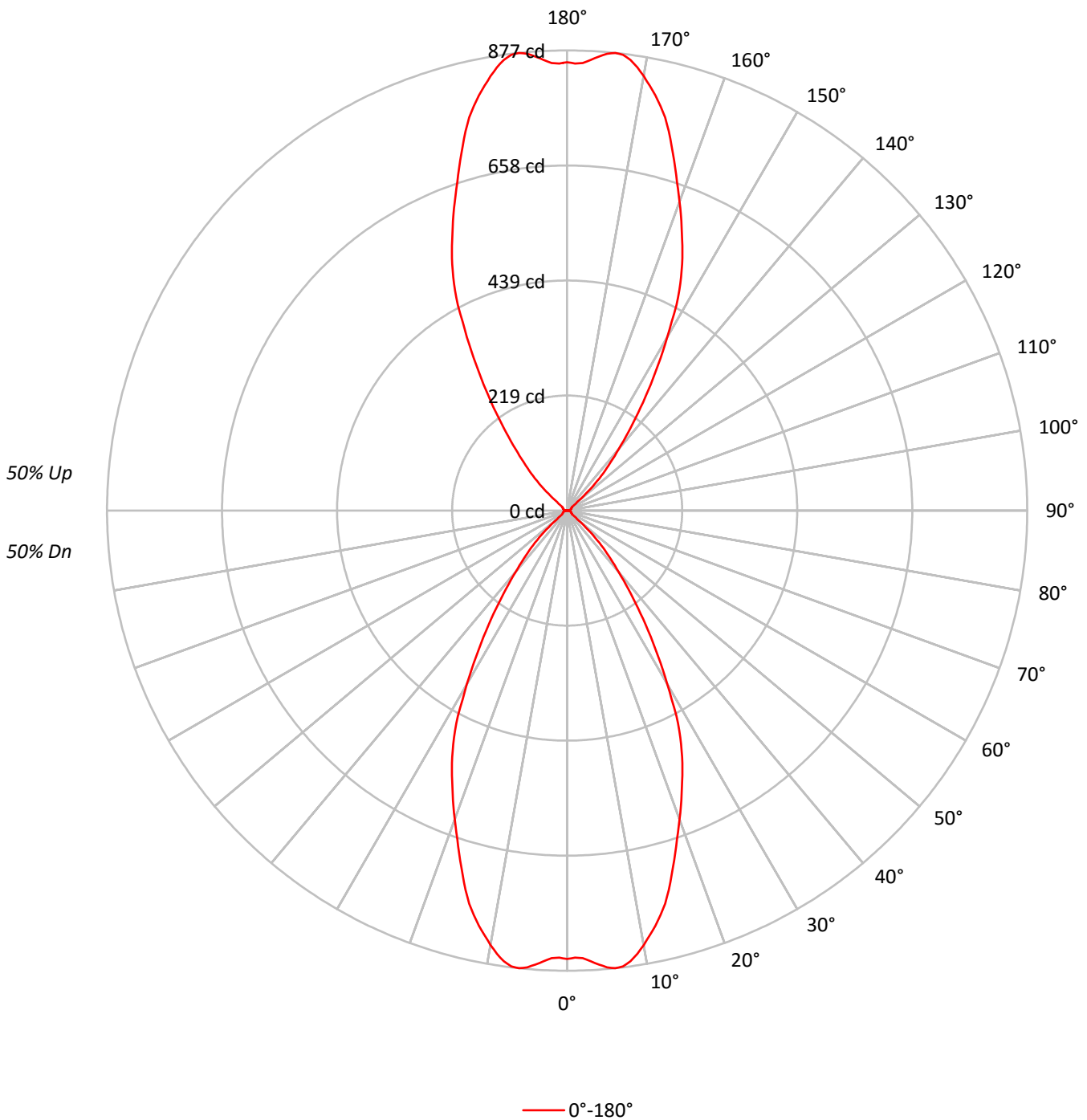
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	93	90	92	89	87	84	76	74	73	64	63	62	53	52	51	46
2	93	87	82	78	86	81	77	73	70	67	64	59	57	55	50	48	47	43
3	87	79	73	68	80	74	69	65	64	60	57	55	52	50	46	45	43	40
4	81	72	66	61	75	67	62	58	59	55	52	51	48	46	44	42	40	37
5	75	66	59	54	70	62	56	52	54	50	47	47	44	42	41	39	37	34
6	71	61	54	49	66	57	51	47	50	46	43	44	41	38	39	36	34	32
7	66	56	49	44	62	53	47	43	47	42	39	41	38	36	36	34	32	30
8	62	52	45	41	58	49	43	39	44	39	36	39	35	33	34	32	30	28
9	59	48	42	37	55	46	40	36	41	36	33	37	33	31	32	30	28	26
10	55	45	39	34	52	43	37	33	38	34	31	34	31	29	31	28	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	421593
5°	432762
10°	421283
15°	382373
20°	328572
25°	282154
30°	217571
35°	151721
40°	98219
45°	60494
50°	19112
55°	9634
60°	9473
65°	10273
70°	10386
75°	12200
80°	11365
85°	13586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	5.3
10°-20°	206.9	13.3
20°-30°	234.1	15.1
30°-40°	159.0	10.2
40°-50°	65.7	4.2
50°-60°	11.3	0.7
60°-70°	8.4	0.5
70°-80°	6.3	0.4
80°-90°	2.3	0.1
90°-100°	2.3	0.1
100°-110°	6.3	0.4
110°-120°	8.4	0.5
120°-130°	11.3	0.7
130°-140°	65.7	4.2
140°-150°	159.0	10.2
150°-160°	234.1	15.1
160°-170°	206.9	13.3
170°-180°	82.5	5.3
0°-30°	523.6	33.7
0°-40°	682.5	43.9
0°-60°	759.6	48.9
0°-90°	776.6	50.0
90°-120°	17.0	1.1
90°-150°	253.0	16.3
90°-180°	777.0	50.0
0°-180°	1553.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	854	
5°	874	82
15°	749	207
25°	518	234
35°	252	159
45°	87	66
55°	11	11
65°	9	8
75°	6	6
85°	2	2
90°	0	0
95°	2	2
105°	6	6
115°	9	8
125°	11	11
135°	87	66
145°	252	159
155°	518	234
165°	749	207
175°	874	82
180°	854	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	854.5
1°	852.1
2°	853.7
3°	860.1
4°	867.4
5°	873.8
6°	877.0
7°	875.4
8°	867.4
9°	855.3
10°	840.9
11°	824.8
12°	808.8
13°	791.1
14°	771.9
15°	748.6
16°	722.9
17°	697.3
18°	672.4
19°	648.3
20°	625.8
21°	605.0
22°	582.5
23°	560.9
24°	540.0
25°	518.3
26°	495.9
27°	471.0
28°	443.7
29°	410.8
30°	381.9
32.5°	312.9
35°	251.9
37.5°	198.2
40°	152.5
42.5°	117.1
45°	86.7
47.5°	53.8
50°	24.9
52.5°	12.0
55°	11.2
57.5°	10.4
60°	9.6
62.5°	8.8
65°	8.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.0
70°	7.2
72.5°	6.4
75°	6.4
77.5°	5.6
80°	4.0
82.5°	3.2
85°	2.4
87.5°	0.8
90°	0.0
92.5°	0.8
95°	2.4
97.5°	3.2
100°	4.0
102.5°	5.6
105°	6.4
107.5°	6.4
110°	7.2
112.5°	8.0
115°	8.8
117.5°	8.8
120°	9.6
122.5°	10.4
125°	11.2
127.5°	12.0
130°	24.9
132.5°	53.8
135°	86.7
137.5°	117.1
140°	152.5
142.5°	198.2
145°	251.9
147.5°	312.9
150°	381.9
151°	410.8
152°	443.7
153°	471.0
154°	495.9
155°	518.3
156°	540.0
157°	560.9
158°	582.5
159°	605.0
160°	625.8
161°	648.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	672.4
163°	697.3
164°	722.9
165°	748.6
166°	771.9
167°	791.1
168°	808.8
169°	824.8
170°	840.9
171°	855.3
172°	867.4
173°	875.4
174°	877.0
175°	873.8
176°	867.4
177°	860.1
178°	853.7
179°	852.1
180°	854.5

(END OF REPORT)