

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: P222156

Luminaire Tested: **9004-W2-FL-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED5080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2410.2 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

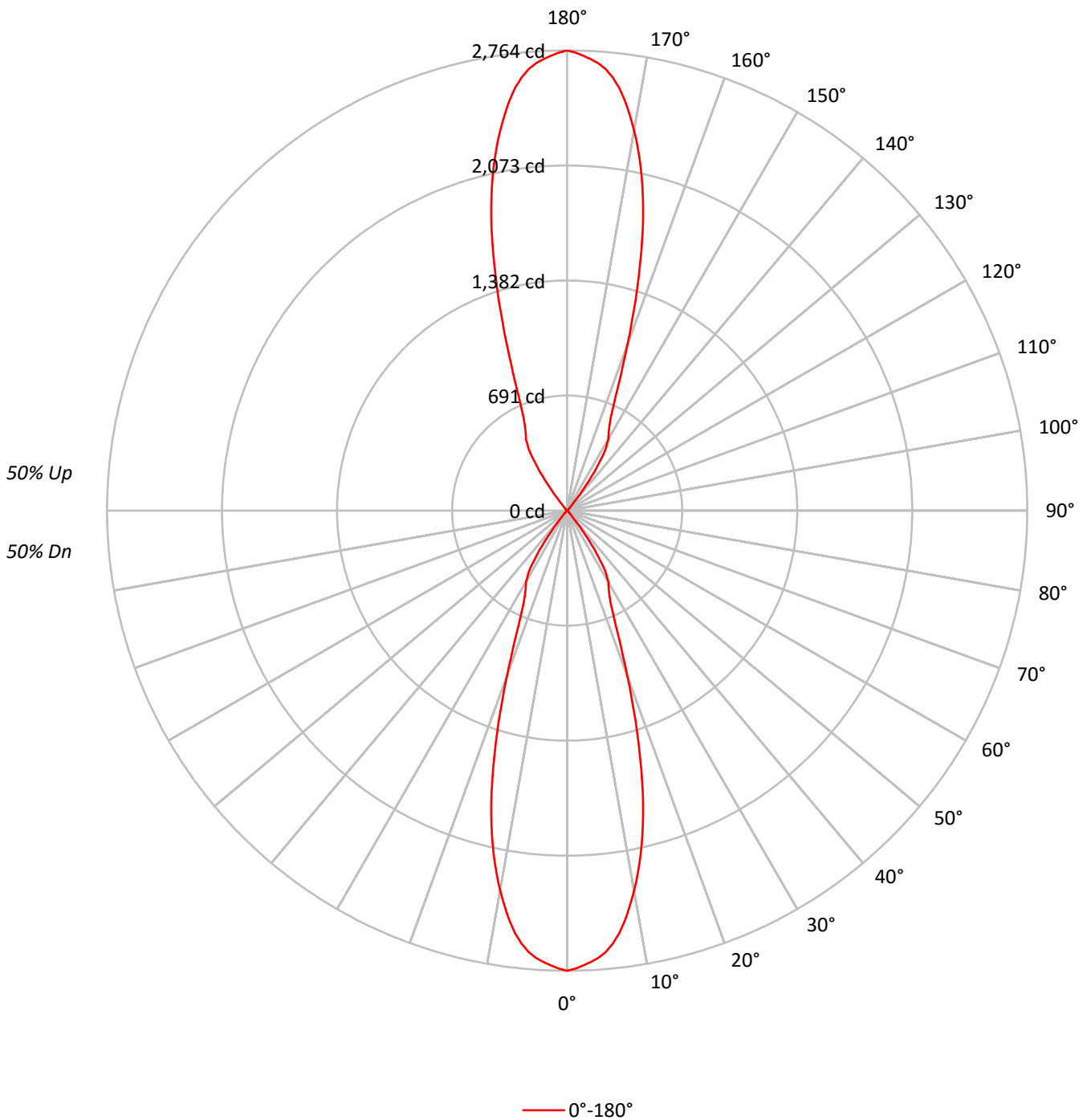
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	44	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	340952
5°	329452
10°	290288
15°	224146
20°	139151
25°	84870
30°	70388
35°	42960
40°	7278
45°	2651
50°	576
55°	280
60°	222
65°	263
70°	144
75°	191
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	10.1
10°-20°	470.0	19.5
20°-30°	306.1	12.7
30°-40°	170.0	7.1
40°-50°	13.3	0.6
50°-60°	1.4	0.1
60°-70°	0.8	0.0
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.4	0.0
110°-120°	0.8	0.0
120°-130°	1.4	0.1
130°-140°	13.3	0.6
140°-150°	170.0	7.1
150°-160°	306.1	12.7
160°-170°	470.0	19.5
170°-180°	243.1	10.1
0°-30°	1019.2	42.3
0°-40°	1189.2	49.3
0°-60°	1203.9	50.0
0°-90°	1205.1	50.0
90°-120°	1.2	0.0
90°-150°	185.9	7.7
90°-180°	1205.0	50.0
0°-180°	2410.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2764	
5°	2661	243
15°	1755	470
25°	624	306
35°	285	170
45°	15	13
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	1	1
135°	15	13
145°	285	170
155°	624	306
165°	1755	470
175°	2661	243
180°	2764	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2764.2
1°	2752.0
2°	2734.2
3°	2715.5
4°	2693.4
5°	2660.8
6°	2616.9
7°	2559.2
8°	2487.5
9°	2405.4
10°	2317.7
11°	2222.2
12°	2118.4
13°	2007.2
14°	1884.8
15°	1755.3
16°	1614.6
17°	1467.8
18°	1328.9
19°	1189.0
20°	1060.1
21°	938.5
22°	832.9
23°	744.8
24°	676.2
25°	623.6
26°	585.4
27°	555.0
28°	531.1
29°	512.0
30°	494.2
32.5°	419.1
35°	285.3
37.5°	146.4
40°	45.2
42.5°	21.7
45°	15.2
47.5°	9.6
50°	3.0
52.5°	1.7
55°	1.3
57.5°	1.3
60°	0.9
62.5°	0.9
65°	0.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.9
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
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°	0.4
105°	0.4
107.5°	0.4
110°	0.4
112.5°	0.9
115°	0.9
117.5°	0.9
120°	0.9
122.5°	1.3
125°	1.3
127.5°	1.7
130°	3.0
132.5°	9.6
135°	15.2
137.5°	21.7
140°	45.2
142.5°	146.4
145°	285.3
147.5°	419.1
150°	494.2
151°	512.0
152°	531.1
153°	555.0
154°	585.4
155°	623.6
156°	676.2
157°	744.8
158°	832.9
159°	938.5
160°	1060.1
161°	1189.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1328.9
163°	1467.8
164°	1614.6
165°	1755.3
166°	1884.8
167°	2007.2
168°	2118.4
169°	2222.2
170°	2317.7
171°	2405.4
172°	2487.5
173°	2559.2
174°	2616.9
175°	2660.8
176°	2693.4
177°	2715.5
178°	2734.2
179°	2752.0
180°	2764.2

(END OF REPORT)