

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: P222171

Luminaire Tested: **9004-W2-FL-LED5080-W-BK-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P222171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)  
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-W-BK-L1-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2423.4 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

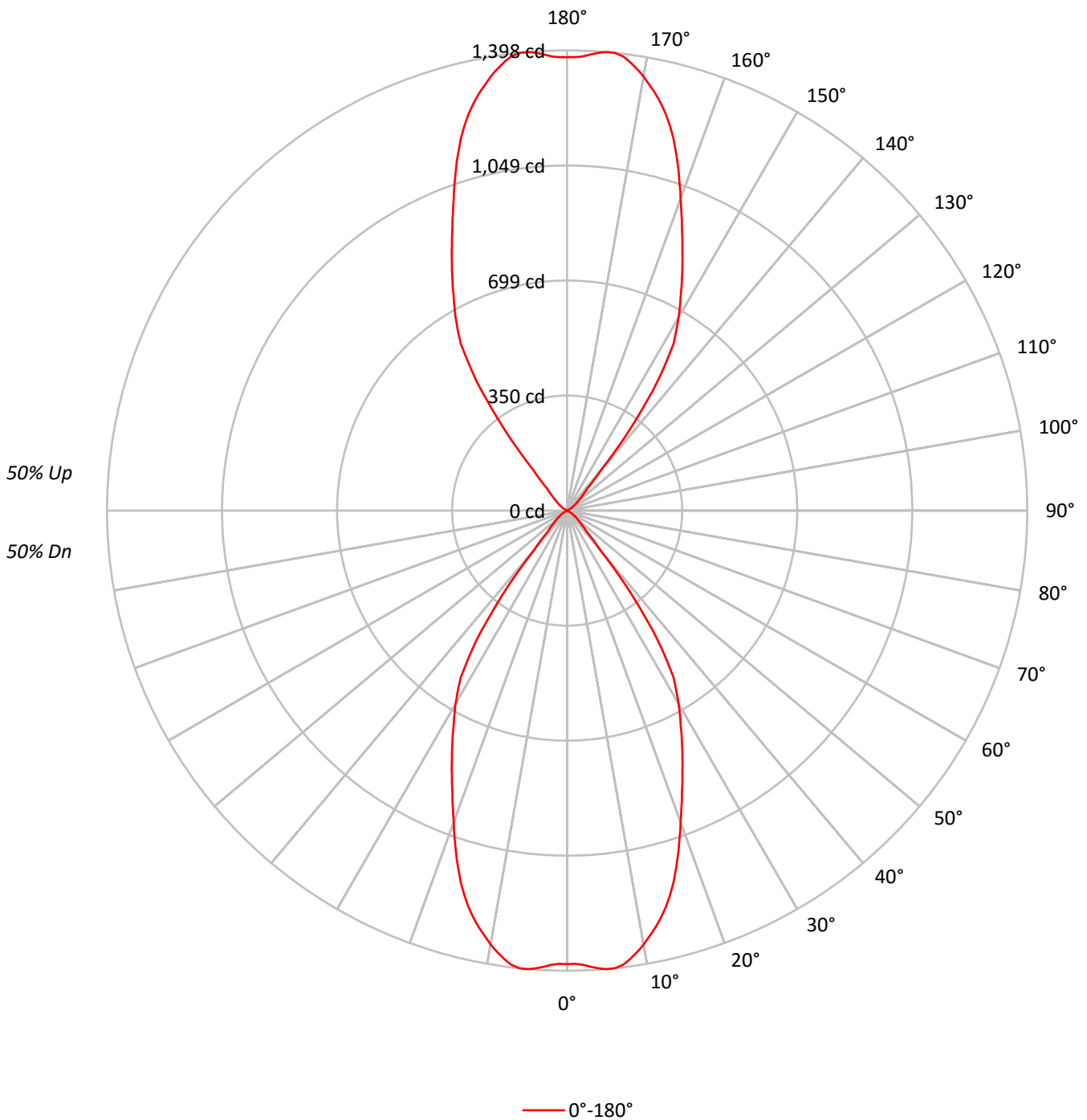
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	76	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	81	77	74	70	67	65		60	58	56		50	49	48	43
3	87	80	74	69	81	74	69	65	65	61	58		56	53	51		47	46	44	40
4	81	73	66	61	76	68	63	58	60	56	52		52	49	47		44	42	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	66	58	52	48	51	47	43		45	42	39		39	37	35	33
7	67	57	50	45	62	54	48	44	48	43	40		42	39	36		37	35	33	31
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	42	38	56	46	41	37	42	37	34		37	34	31		33	31	29	27
10	56	46	39	35	52	43	38	34	39	35	32		35	32	29		31	29	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	169958
5°	173145
10°	167633
15°	154385
20°	132299
25°	112824
30°	96494
35°	72126
40°	25585
45°	11966
50°	7925
55°	5333
60°	2689
65°	642
70°	469
75°	429
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.6	5.4
10°-20°	333.7	13.8
20°-30°	380.9	15.7
30°-40°	279.7	11.5
40°-50°	59.4	2.4
50°-60°	22.5	0.9
60°-70°	3.2	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	3.2	0.1
120°-130°	22.5	0.9
130°-140°	59.4	2.4
140°-150°	279.7	11.5
150°-160°	380.9	15.7
160°-170°	333.7	13.8
170°-180°	131.6	5.4
0°-30°	846.2	34.9
0°-40°	1125.9	46.5
0°-60°	1207.7	49.8
0°-90°	1211.7	50.0
90°-120°	4.0	0.2
90°-150°	365.5	15.1
90°-180°	1212.0	50.0
0°-180°	2423.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1378	
5°	1398	132
15°	1209	334
25°	829	381
35°	479	280
45°	69	59
55°	25	22
65°	2	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	3
125°	25	22
135°	69	59
145°	479	280
155°	829	381
165°	1209	334
175°	1398	132
180°	1378	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1377.9
1°	1377.5
2°	1381.0
3°	1387.9
4°	1394.5
5°	1398.4
6°	1397.5
7°	1390.1
8°	1375.8
9°	1358.0
10°	1338.4
11°	1316.3
12°	1293.7
13°	1268.1
14°	1240.3
15°	1209.0
16°	1173.4
17°	1133.9
18°	1093.1
19°	1050.1
20°	1007.9
21°	968.9
22°	931.1
23°	895.5
24°	861.6
25°	829.0
26°	797.3
27°	765.2
28°	734.4
29°	705.7
30°	677.5
32.5°	601.5
35°	479.0
37.5°	323.5
40°	158.9
42.5°	89.5
45°	68.6
47.5°	53.8
50°	41.3
52.5°	32.6
55°	24.8
57.5°	17.8
60°	10.9
62.5°	3.0
65°	2.2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.7
70°	1.3
72.5°	1.3
75°	0.9
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°	0.9
107.5°	1.3
110°	1.3
112.5°	1.7
115°	2.2
117.5°	3.0
120°	10.9
122.5°	17.8
125°	24.8
127.5°	32.6
130°	41.3
132.5°	53.8
135°	68.6
137.5°	89.5
140°	158.9
142.5°	323.5
145°	479.0
147.5°	601.5
150°	677.5
151°	705.7
152°	734.4
153°	765.2
154°	797.3
155°	829.0
156°	861.6
157°	895.5
158°	931.1
159°	968.9
160°	1007.9
161°	1050.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1093.1
163°	1133.9
164°	1173.4
165°	1209.0
166°	1240.3
167°	1268.1
168°	1293.7
169°	1316.3
170°	1338.4
171°	1358.0
172°	1375.8
173°	1390.1
174°	1397.5
175°	1398.4
176°	1394.5
177°	1387.9
178°	1381.0
179°	1377.5
180°	1377.9

(END OF REPORT)