

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: P221933

Luminaire Tested: **9004-W2-[RW, RI]-LED5080-W-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221933  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29494)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9004-W2-[RW, RI]-LED5080-W-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED 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: 4959.3 lumens  
Efficiency: N/A  
Efficacy: 86.7 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

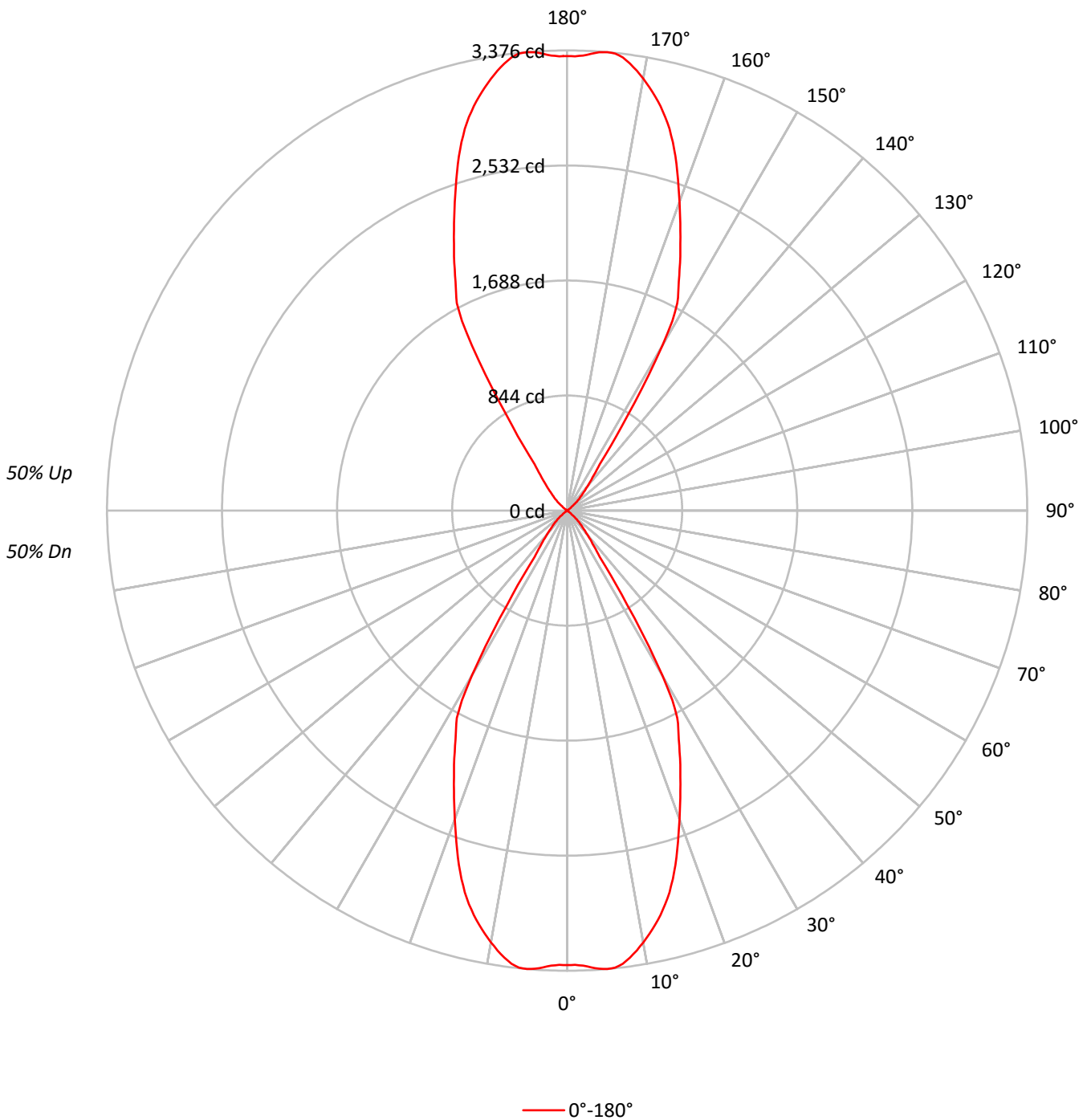
Input Watts (W): 57.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	90	87	85	77	75	74	65	64	63	53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	80	75	70	81	75	70	67	65	62	59	56	54	52	48	47	45	42
4	82	74	68	63	76	69	64	60	61	57	54	53	50	48	46	44	42	39
5	77	68	62	57	72	64	58	54	57	52	49	50	47	44	43	41	40	37
6	72	63	56	52	68	59	54	50	53	49	45	47	44	41	41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42	44	41	38	39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39	41	38	36	37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36	39	36	34	35	33	31	29
10	58	48	42	38	54	45	40	36	41	37	34	37	34	32	33	31	29	28

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

	0°
0°	411321
5°	418030
10°	402962
15°	370372
20°	316223
25°	265661
30°	198857
35°	62414
40°	36969
45°	22467
50°	9364
55°	1570
60°	1036
65°	613
70°	361
75°	477
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.2	6.4
10°-20°	800.0	16.1
20°-30°	891.0	18.0
30°-40°	355.5	7.2
40°-50°	101.6	2.0
50°-60°	11.3	0.2
60°-70°	2.2	0.0
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°	2.2	0.0
120°-130°	11.3	0.2
130°-140°	101.6	2.0
140°-150°	355.5	7.2
150°-160°	891.0	18.0
160°-170°	800.0	16.1
170°-180°	317.2	6.4
0°-30°	2008.2	40.5
0°-40°	2363.7	47.7
0°-60°	2476.6	49.9
0°-90°	2479.6	50.0
90°-120°	3.1	0.1
90°-150°	471.5	9.5
90°-180°	2480.0	50.0
0°-180°	4959.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3335	
5°	3376	317
15°	2900	800
25°	1952	891
35°	414	356
45°	129	102
55°	7	11
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	7	11
135°	129	102
145°	414	356
155°	1952	891
165°	2900	800
175°	3376	317
180°	3335	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3334.7
1°	3333.6
2°	3339.9
3°	3355.4
4°	3370.0
5°	3376.2
6°	3372.1
7°	3350.2
8°	3312.8
9°	3267.1
10°	3217.3
11°	3163.3
12°	3107.2
13°	3044.8
14°	2976.3
15°	2900.4
16°	2812.1
17°	2717.6
18°	2614.7
19°	2509.8
20°	2409.1
21°	2311.4
22°	2217.9
23°	2126.5
24°	2040.3
25°	1952.0
26°	1868.9
27°	1797.2
28°	1722.4
29°	1590.5
30°	1396.2
32.5°	816.5
35°	414.5
37.5°	306.5
40°	229.6
42.5°	170.4
45°	128.8
47.5°	95.6
50°	48.8
52.5°	12.5
55°	7.3
57.5°	5.2
60°	4.2
62.5°	3.1
65°	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
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°	1.0
105°	1.0
107.5°	1.0
110°	1.0
112.5°	1.0
115°	2.1
117.5°	3.1
120°	4.2
122.5°	5.2
125°	7.3
127.5°	12.5
130°	48.8
132.5°	95.6
135°	128.8
137.5°	170.4
140°	229.6
142.5°	306.5
145°	414.5
147.5°	816.5
150°	1396.2
151°	1590.5
152°	1722.4
153°	1797.2
154°	1868.9
155°	1952.0
156°	2040.3
157°	2126.5
158°	2217.9
159°	2311.4
160°	2409.1
161°	2509.8



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2614.7
163°	2717.6
164°	2812.1
165°	2900.4
166°	2976.3
167°	3044.8
168°	3107.2
169°	3163.3
170°	3217.3
171°	3267.1
172°	3312.8
173°	3350.2
174°	3372.1
175°	3376.2
176°	3370.0
177°	3355.4
178°	3339.9
179°	3333.6
180°	3334.7

(END OF REPORT)