

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: P221915

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29493)
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-F-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5218.1 lumens
Efficiency: N/A
Efficacy: 91.2 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

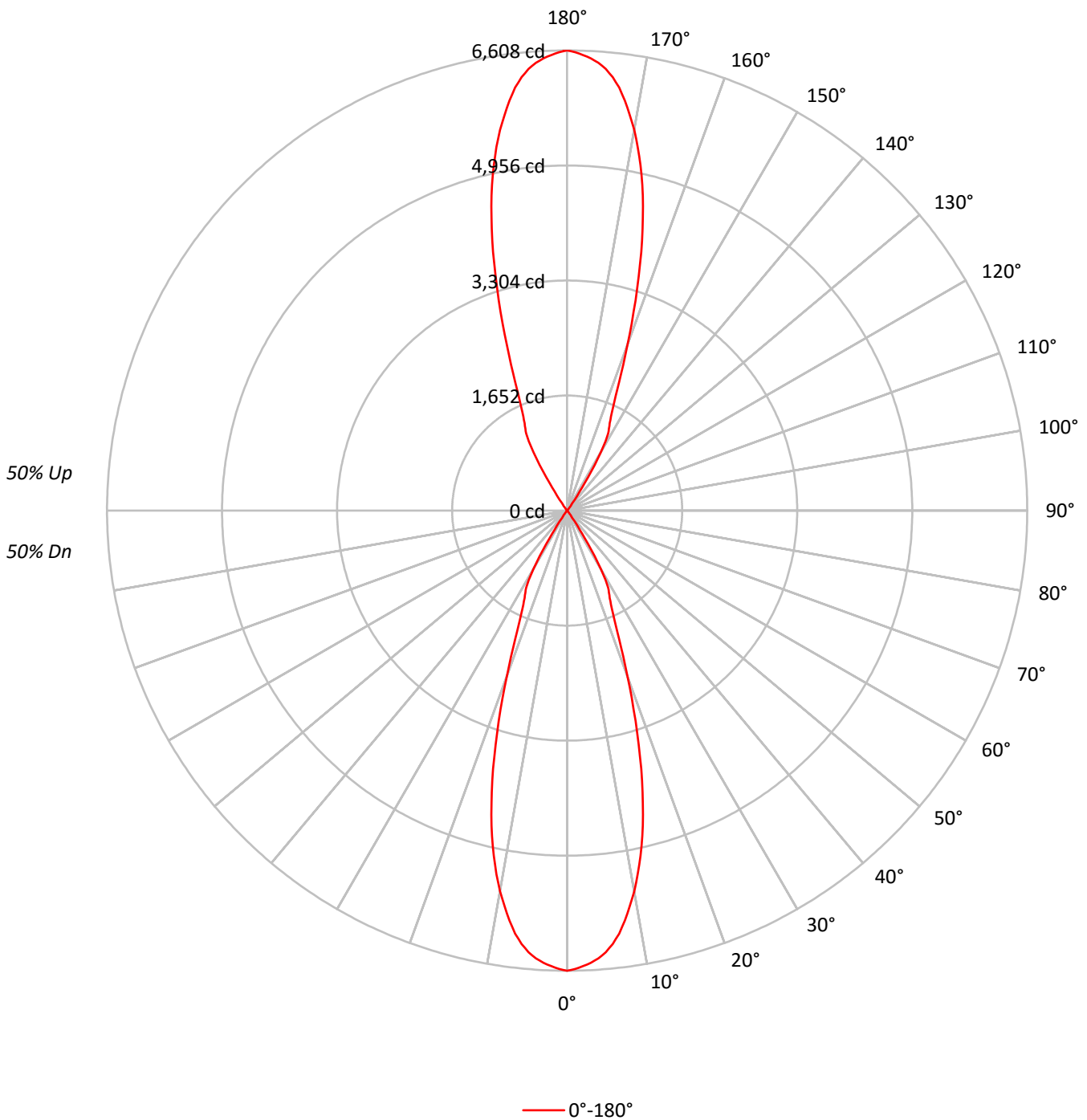
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	53	53	48				
2	95	89	85	81	88	83	79	76	72	69	67	61	60	58	52	51	50	46				
3	89	82	77	73	83	77	72	69	67	64	61	58	56	54	50	49	47	44				
4	84	76	70	66	78	71	66	63	63	59	57	55	53	51	48	46	45	42				
5	79	71	65	60	74	67	61	58	59	55	53	52	50	48	46	44	43	40				
6	75	66	60	55	70	62	57	53	56	52	49	50	47	45	44	42	41	38				
7	71	62	56	52	67	59	53	50	53	49	46	48	45	43	42	41	39	37				
8	68	58	52	48	64	55	50	47	50	46	44	45	43	40	41	39	37	35				
9	64	55	49	45	61	52	47	44	48	44	41	43	41	39	39	37	36	34				
10	61	52	46	43	58	50	45	41	46	42	39	42	39	37	38	36	35	33				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	815068
5°	788081
10°	694928
15°	534998
20°	331895
25°	203029
30°	138197
35°	18295
40°	5185
45°	1273
50°	998
55°	667
60°	518
65°	613
70°	361
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.4	11.1
10°-20°	1123.9	21.5
20°-30°	720.6	13.8
30°-40°	169.8	3.3
40°-50°	8.0	0.2
50°-60°	3.1	0.1
60°-70°	1.7	0.0
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	1.7	0.0
120°-130°	3.1	0.1
130°-140°	8.0	0.2
140°-150°	169.8	3.3
150°-160°	720.6	13.8
160°-170°	1123.9	21.5
170°-180°	581.4	11.1
0°-30°	2426.0	46.5
0°-40°	2595.8	49.7
0°-60°	2607.0	50.0
0°-90°	2609.0	50.0
90°-120°	2.3	0.0
90°-150°	183.3	3.5
90°-180°	2609.0	50.0
0°-180°	5218.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6608	
5°	6365	581
15°	4190	1124
25°	1492	721
35°	122	170
45°	7	8
55°	3	3
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	3	3
135°	7	8
145°	122	170
155°	1492	721
165°	4190	1124
175°	6365	581
180°	6608	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6608.0
1°	6584.1
2°	6545.7
3°	6502.0
4°	6444.9
5°	6364.9
6°	6257.9
7°	6121.8
8°	5945.2
9°	5753.0
10°	5548.4
11°	5316.7
12°	5068.5
13°	4799.4
14°	4501.3
15°	4189.6
16°	3859.3
17°	3517.5
18°	3176.7
19°	2846.4
20°	2528.5
21°	2246.0
22°	1993.5
23°	1781.6
24°	1620.6
25°	1491.8
26°	1395.2
27°	1320.4
28°	1253.9
29°	1140.6
30°	970.3
32.5°	463.3
35°	121.5
37.5°	64.4
40°	32.2
42.5°	10.4
45°	7.3
47.5°	6.2
50°	5.2
52.5°	4.2
55°	3.1
57.5°	3.1
60°	2.1
62.5°	2.1
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
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°	1.0
110°	1.0
112.5°	1.0
115°	2.1
117.5°	2.1
120°	2.1
122.5°	3.1
125°	3.1
127.5°	4.2
130°	5.2
132.5°	6.2
135°	7.3
137.5°	10.4
140°	32.2
142.5°	64.4
145°	121.5
147.5°	463.3
150°	970.3
151°	1140.6
152°	1253.9
153°	1320.4
154°	1395.2
155°	1491.8
156°	1620.6
157°	1781.6
158°	1993.5
159°	2246.0
160°	2528.5
161°	2846.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	3176.7
163°	3517.5
164°	3859.3
165°	4189.6
166°	4501.3
167°	4799.4
168°	5068.5
169°	5316.7
170°	5548.4
171°	5753.0
172°	5945.2
173°	6121.8
174°	6257.9
175°	6364.9
176°	6444.9
177°	6502.0
178°	6545.7
179°	6584.1
180°	6608.0

(END OF REPORT)