

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: P221867

Luminaire Tested: **9004-W2-[RW, RI]-LED4080-F-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221867
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]-LED4080-F-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023.0 lumens
Efficiency: N/A
Efficacy: 87.8 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

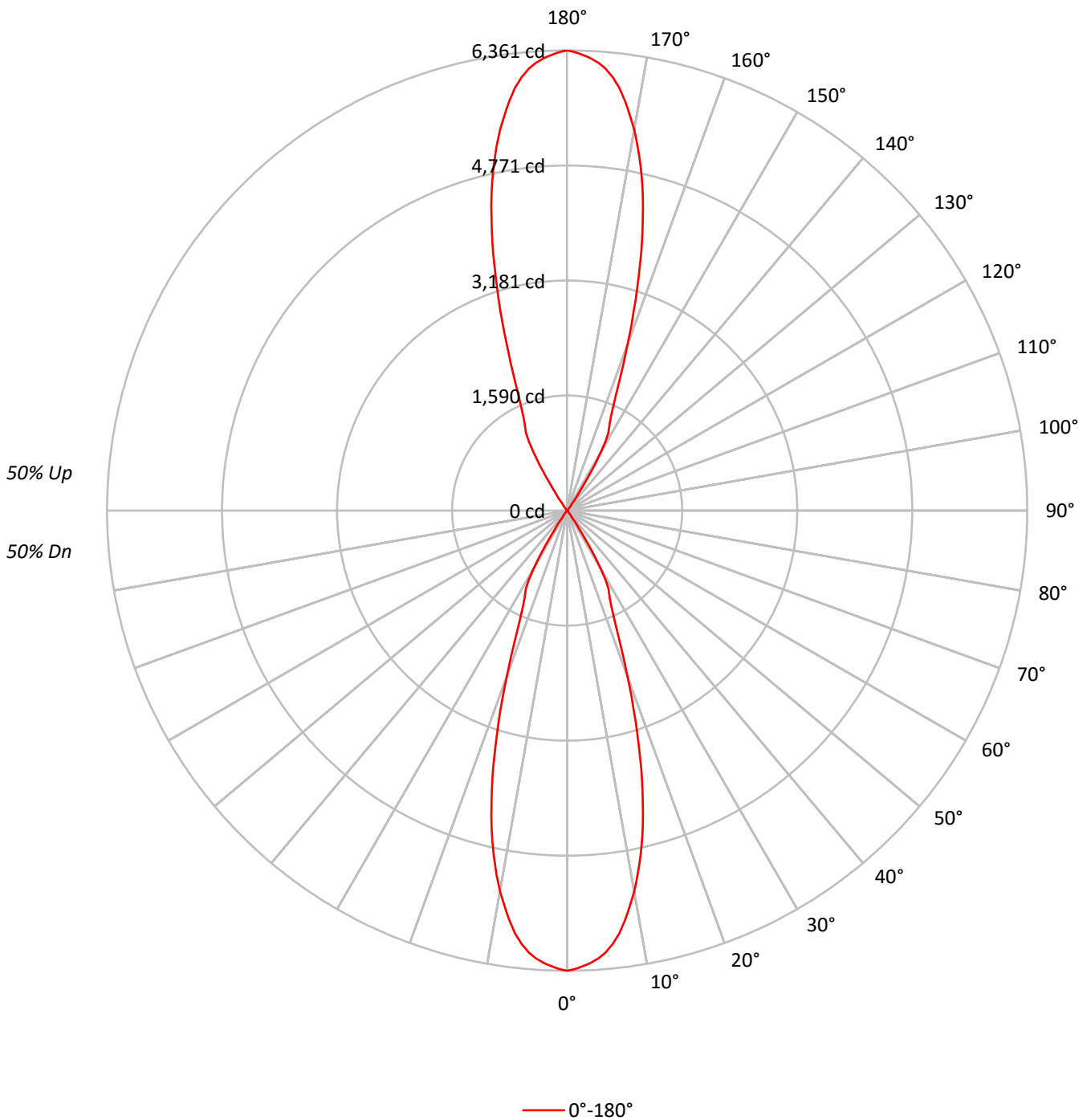
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221867

CATALOG NUMBER: 9004-W2-[RW, RI]-LED4080-F-BK-L3-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221867

CATALOG NUMBER: 9004-W2-[RW, RI]-LED4080-F-BK-L3-UNV

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	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°	784602
5°	758625
10°	668952
15°	515001
20°	319491
25°	195435
30°	133027
35°	17618
40°	4992
45°	1221
50°	959
55°	645
60°	493
65°	584
70°	361
75°	0
80°	0
85°	0



TEST NUMBER: P221867

CATALOG NUMBER: 9004-W2-[RW, RI]-LED4080-F-BK-L3-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.7	11.1
10°-20°	1081.9	21.5
20°-30°	693.7	13.8
30°-40°	163.5	3.3
40°-50°	7.7	0.2
50°-60°	3.0	0.1
60°-70°	1.6	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°	1.6	0.0
120°-130°	3.0	0.1
130°-140°	7.7	0.2
140°-150°	163.5	3.3
150°-160°	693.7	13.8
160°-170°	1081.9	21.5
170°-180°	559.7	11.1
0°-30°	2335.3	46.5
0°-40°	2498.8	49.7
0°-60°	2509.5	50.0
0°-90°	2511.5	50.0
90°-120°	2.3	0.0
90°-150°	176.5	3.5
90°-180°	2512.0	50.0
0°-180°	5023.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6361	
5°	6127	560
15°	4033	1082
25°	1436	694
35°	117	163
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°	117	163
155°	1436	694
165°	4033	1082
175°	6127	560
180°	6361	



TEST NUMBER: P221867

CATALOG NUMBER: 9004-W2-[RW, RI]-LED4080-F-BK-L3-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	6361
1°	6338
2°	6301
3°	6259
4°	6204
5°	6127
6°	6024
7°	5893
8°	5723
9°	5538
10°	5341
11°	5118
12°	4879
13°	4620
14°	4333
15°	4033
16°	3715
17°	3386
18°	3058
19°	2740
20°	2434
21°	2162
22°	1919
23°	1715
24°	1560
25°	1436
26°	1343
27°	1271
28°	1207
29°	1098
30°	934
32.5°	446
35°	117
37.5°	62
40°	31
42.5°	10
45°	7
47.5°	6
50°	5
52.5°	4
55°	3
57.5°	3
60°	2
62.5°	2
65°	2



TEST NUMBER: P221867

CATALOG NUMBER: 9004-W2-[RW, RI]-LED4080-F-BK-L3-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	1
110°	1
112.5°	1
115°	2
117.5°	2
120°	2
122.5°	3
125°	3
127.5°	4
130°	5
132.5°	6
135°	7
137.5°	10
140°	31
142.5°	62
145°	117
147.5°	446
150°	934
151°	1098
152°	1207
153°	1271
154°	1343
155°	1436
156°	1560
157°	1715
158°	1919
159°	2162
160°	2434
161°	2740



TEST NUMBER: P221867

CATALOG NUMBER: 9004-W2-[RW, RI]-LED4080-F-BK-L3-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	3058
163°	3386
164°	3715
165°	4033
166°	4333
167°	4620
168°	4879
169°	5118
170°	5341
171°	5538
172°	5723
173°	5893
174°	6024
175°	6127
176°	6204
177°	6259
178°	6301
179°	6338
180°	6361

(END OF REPORT)