

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: P222059

Luminaire Tested: **9004-W2-FL-LED3590-F-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED3590-F-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

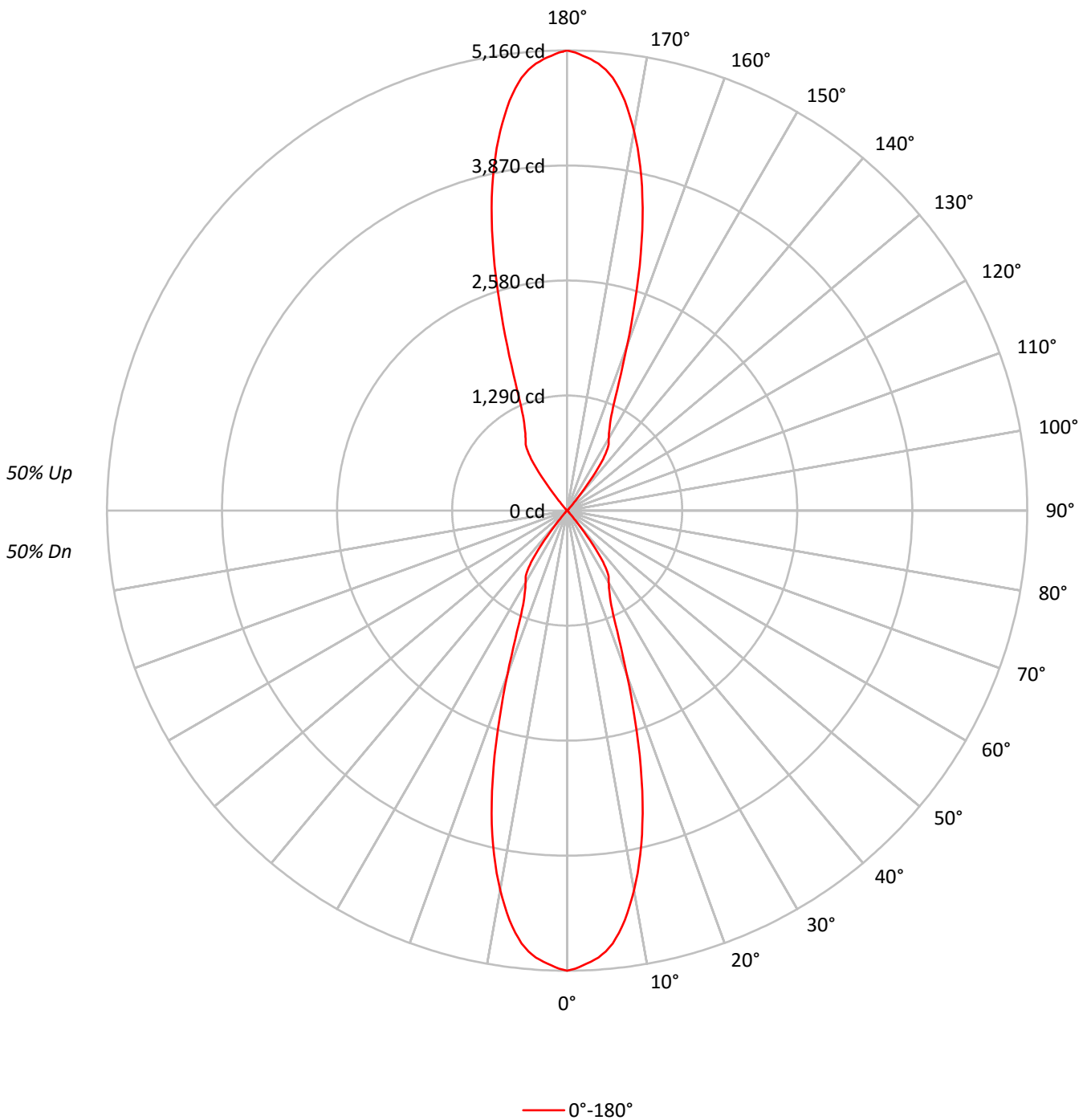
Lumens per Lamp: N/A
Luminaire Lumens: 4641.1 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 57
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	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		45	43	41	38
6	74	64	58	54	69	61	55	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44		46	43	41		41	39	37	35
8	66	56	50	46	62	54	48	44	48	44	41		44	41	38		39	37	35	33
9	63	53	47	43	59	50	45	42	46	42	39		41	38	36		37	35	34	32
10	60	50	44	40	56	48	43	39	44	39	37		40	37	34		36	34	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	636414
5°	614614
10°	541136
15°	415666
20°	257089
25°	159301
30°	132742
35°	106262
40°	23170
45°	4937
50°	921
55°	516
60°	395
65°	233
70°	289
75°	381
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.3	9.8
10°-20°	872.9	18.8
20°-30°	573.3	12.4
30°-40°	386.6	8.3
40°-50°	30.5	0.7
50°-60°	2.1	0.0
60°-70°	1.1	0.0
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	1.1	0.0
120°-130°	2.1	0.0
130°-140°	30.5	0.7
140°-150°	386.6	8.3
150°-160°	573.3	12.4
160°-170°	872.9	18.8
170°-180°	453.3	9.8
0°-30°	1899.5	40.9
0°-40°	2286.1	49.3
0°-60°	2318.7	50.0
0°-90°	2320.5	50.0
90°-120°	1.8	0.0
90°-150°	421.0	9.1
90°-180°	2321.0	50.0
0°-180°	4641.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5160	
5°	4964	453
15°	3255	873
25°	1170	573
35°	706	387
45°	28	31
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	28	31
145°	706	387
155°	1170	573
165°	3255	873
175°	4964	453
180°	5160	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5159.6
1°	5136.9
2°	5103.8
3°	5067.4
4°	5024.6
5°	4963.9
6°	4880.7
7°	4772.4
8°	4639.0
9°	4484.6
10°	4320.5
11°	4140.3
12°	3943.8
13°	3729.6
14°	3501.7
15°	3255.1
16°	2995.7
17°	2727.3
18°	2458.9
19°	2206.7
20°	1958.6
21°	1743.6
22°	1550.4
23°	1390.3
24°	1266.6
25°	1170.5
26°	1100.9
27°	1047.6
28°	1002.3
29°	965.1
30°	932.0
32.5°	862.5
35°	705.7
37.5°	419.5
40°	143.9
42.5°	42.8
45°	28.3
47.5°	17.8
50°	4.8
52.5°	2.4
55°	2.4
57.5°	1.6
60°	1.6
62.5°	1.6
65°	0.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	0.8
115°	0.8
117.5°	1.6
120°	1.6
122.5°	1.6
125°	2.4
127.5°	2.4
130°	4.8
132.5°	17.8
135°	28.3
137.5°	42.8
140°	143.9
142.5°	419.5
145°	705.7
147.5°	862.5
150°	932.0
151°	965.1
152°	1002.3
153°	1047.6
154°	1100.9
155°	1170.5
156°	1266.6
157°	1390.3
158°	1550.4
159°	1743.6
160°	1958.6
161°	2206.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	2458.9
163°	2727.3
164°	2995.7
165°	3255.1
166°	3501.7
167°	3729.6
168°	3943.8
169°	4140.3
170°	4320.5
171°	4484.6
172°	4639.0
173°	4772.4
174°	4880.7
175°	4963.9
176°	5024.6
177°	5067.4
178°	5103.8
179°	5136.9
180°	5159.6

(END OF REPORT)