

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: P222011

Luminaire Tested: **9004-W2-FL-LED3090-F-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222011
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-LED3090-F-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

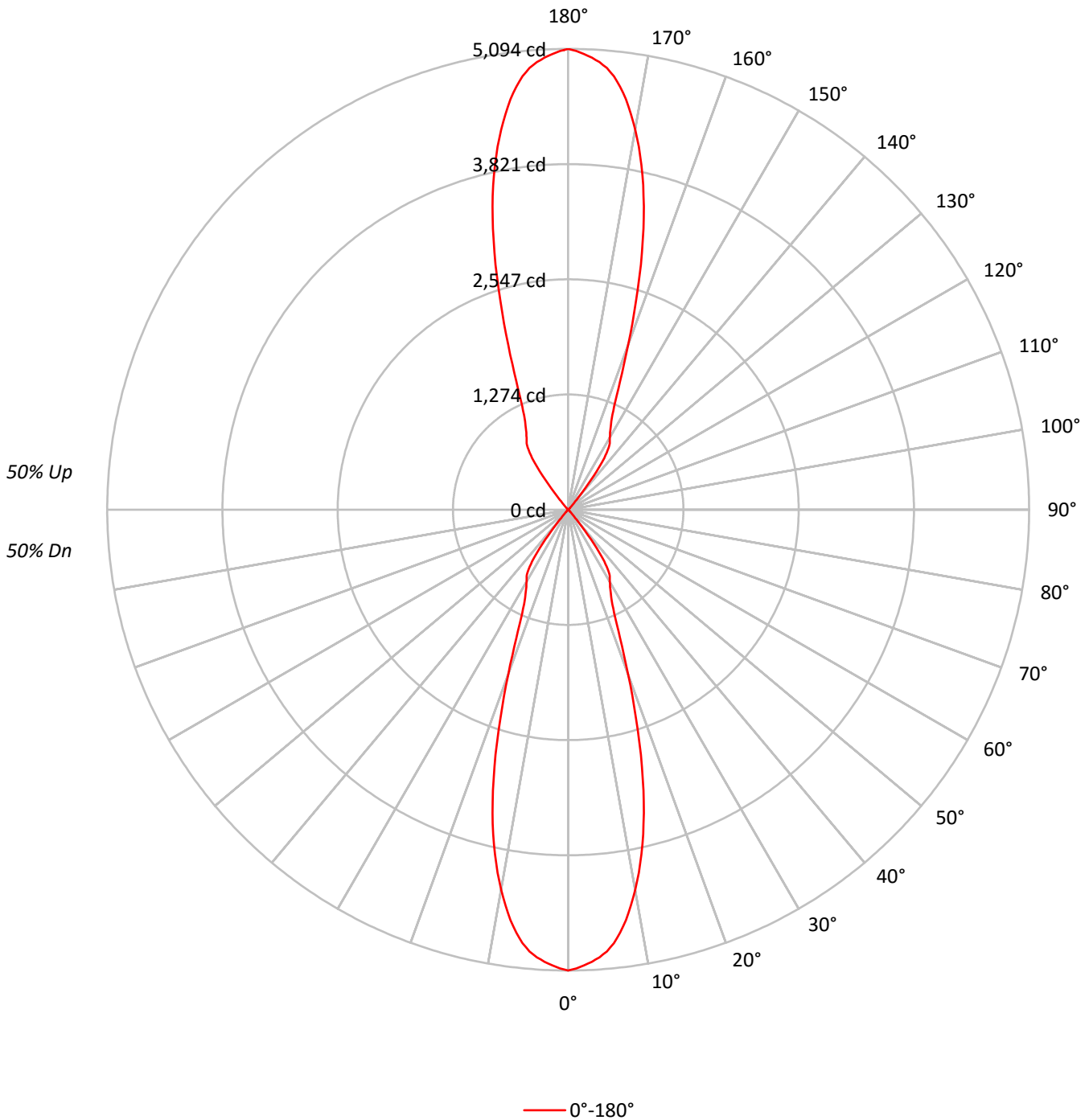
Lumens per Lamp: N/A
Luminaire Lumens: 4582.3 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

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°	628323
5°	606814
10°	534272
15°	410392
20°	253821
25°	157274
30°	131062
35°	104907
40°	22880
45°	4867
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°	447.6	9.8
10°-20°	861.8	18.8
20°-30°	566.0	12.4
30°-40°	381.6	8.3
40°-50°	30.1	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°	30.1	0.7
140°-150°	381.6	8.3
150°-160°	566.0	12.4
160°-170°	861.8	18.8
170°-180°	447.6	9.8
0°-30°	1875.4	40.9
0°-40°	2257.1	49.3
0°-60°	2289.3	50.0
0°-90°	2291.1	50.0
90°-120°	1.8	0.0
90°-150°	415.7	9.1
90°-180°	2291.0	50.0
0°-180°	4582.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5094	
5°	4901	448
15°	3214	862
25°	1156	566
35°	697	382
45°	28	30
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	30
145°	697	382
155°	1156	566
165°	3214	862
175°	4901	448
180°	5094	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5094.0
1°	5071.7
2°	5039.0
3°	5003.1
4°	4960.8
5°	4900.9
6°	4818.7
7°	4711.8
8°	4580.1
9°	4427.7
10°	4265.7
11°	4087.7
12°	3893.8
13°	3682.3
14°	3457.2
15°	3213.8
16°	2957.6
17°	2692.7
18°	2427.7
19°	2178.7
20°	1933.7
21°	1721.4
22°	1530.7
23°	1372.7
24°	1250.6
25°	1155.6
26°	1087.0
27°	1034.3
28°	989.6
29°	952.9
30°	920.2
32.5°	851.5
35°	696.7
37.5°	414.2
40°	142.1
42.5°	42.3
45°	27.9
47.5°	17.6
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°	17.6
135°	27.9
137.5°	42.3
140°	142.1
142.5°	414.2
145°	696.7
147.5°	851.5
150°	920.2
151°	952.9
152°	989.6
153°	1034.3
154°	1087.0
155°	1155.6
156°	1250.6
157°	1372.7
158°	1530.7
159°	1721.4
160°	1933.7
161°	2178.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	2427.7
163°	2692.7
164°	2957.6
165°	3213.8
166°	3457.2
167°	3682.3
168°	3893.8
169°	4087.7
170°	4265.7
171°	4427.7
172°	4580.1
173°	4711.8
174°	4818.7
175°	4900.9
176°	4960.8
177°	5003.1
178°	5039.0
179°	5071.7
180°	5094.0

(END OF REPORT)