

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: P222010

Luminaire Tested: **9004-W2-FL-LED3090-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222010
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-L2-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

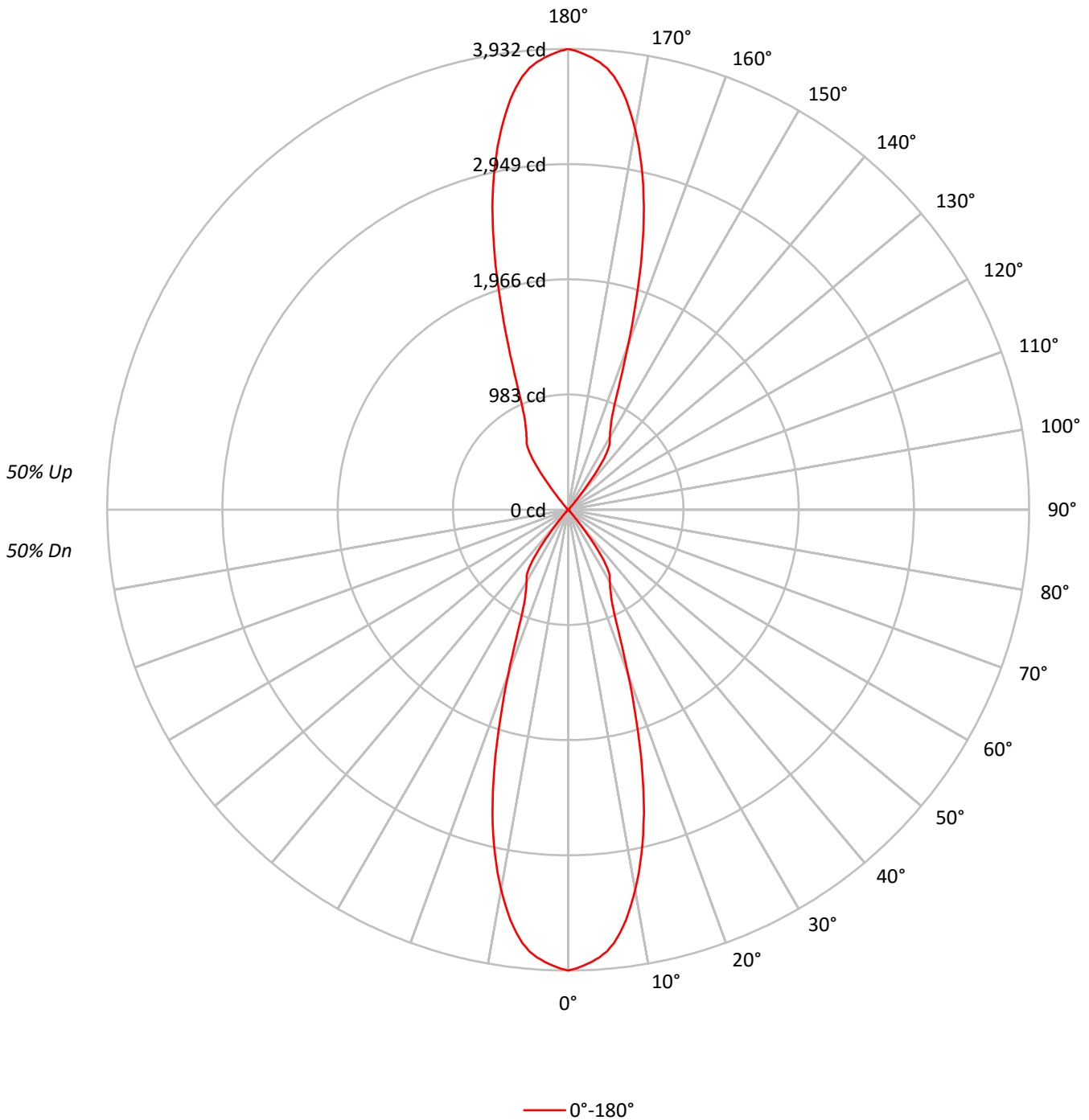
Lumens per Lamp: N/A
Luminaire Lumens: 3536.8 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 40.2
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



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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	41
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°	484995
5°	468387
10°	412380
15°	316765
20°	195921
25°	121398
30°	101166
35°	80980
40°	17647
45°	3768
50°	710
55°	387
60°	296
65°	175
70°	216
75°	286
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.5	9.8
10°-20°	665.2	18.8
20°-30°	436.9	12.4
30°-40°	294.6	8.3
40°-50°	23.3	0.7
50°-60°	1.6	0.0
60°-70°	0.8	0.0
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	0.8	0.0
120°-130°	1.6	0.0
130°-140°	23.3	0.7
140°-150°	294.6	8.3
150°-160°	436.9	12.4
160°-170°	665.2	18.8
170°-180°	345.5	9.8
0°-30°	1447.6	40.9
0°-40°	1742.2	49.3
0°-60°	1767.0	50.0
0°-90°	1768.4	50.0
90°-120°	1.4	0.0
90°-150°	320.8	9.1
90°-180°	1768.0	50.0
0°-180°	3536.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3932	
5°	3783	345
15°	2481	665
25°	892	437
35°	538	295
45°	22	23
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°	22	23
145°	538	295
155°	892	437
165°	2481	665
175°	3783	345
180°	3932	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3932.0
1°	3914.7
2°	3889.4
3°	3861.7
4°	3829.1
5°	3782.9
6°	3719.4
7°	3636.9
8°	3535.2
9°	3417.6
10°	3292.5
11°	3155.2
12°	3005.5
13°	2842.2
14°	2668.5
15°	2480.6
16°	2282.9
17°	2078.4
18°	1873.9
19°	1681.7
20°	1492.6
21°	1328.7
22°	1181.5
23°	1059.5
24°	965.3
25°	892.0
26°	839.0
27°	798.3
28°	763.8
29°	735.5
30°	710.3
32.5°	657.3
35°	537.8
37.5°	319.7
40°	109.6
42.5°	32.6
45°	21.6
47.5°	13.6
50°	3.7
52.5°	1.8
55°	1.8
57.5°	1.2
60°	1.2
62.5°	1.2
65°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
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°	0.6
105°	0.6
107.5°	0.6
110°	0.6
112.5°	0.6
115°	0.6
117.5°	1.2
120°	1.2
122.5°	1.2
125°	1.8
127.5°	1.8
130°	3.7
132.5°	13.6
135°	21.6
137.5°	32.6
140°	109.6
142.5°	319.7
145°	537.8
147.5°	657.3
150°	710.3
151°	735.5
152°	763.8
153°	798.3
154°	839.0
155°	892.0
156°	965.3
157°	1059.5
158°	1181.5
159°	1328.7
160°	1492.6
161°	1681.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1873.9
163°	2078.4
164°	2282.9
165°	2480.6
166°	2668.5
167°	2842.2
168°	3005.5
169°	3155.2
170°	3292.5
171°	3417.6
172°	3535.2
173°	3636.9
174°	3719.4
175°	3782.9
176°	3829.1
177°	3861.7
178°	3889.4
179°	3914.7
180°	3932.0

(END OF REPORT)