

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: P222155

Luminaire Tested: **9004-W2-FL-LED5080-F-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222155
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-LED5080-F-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

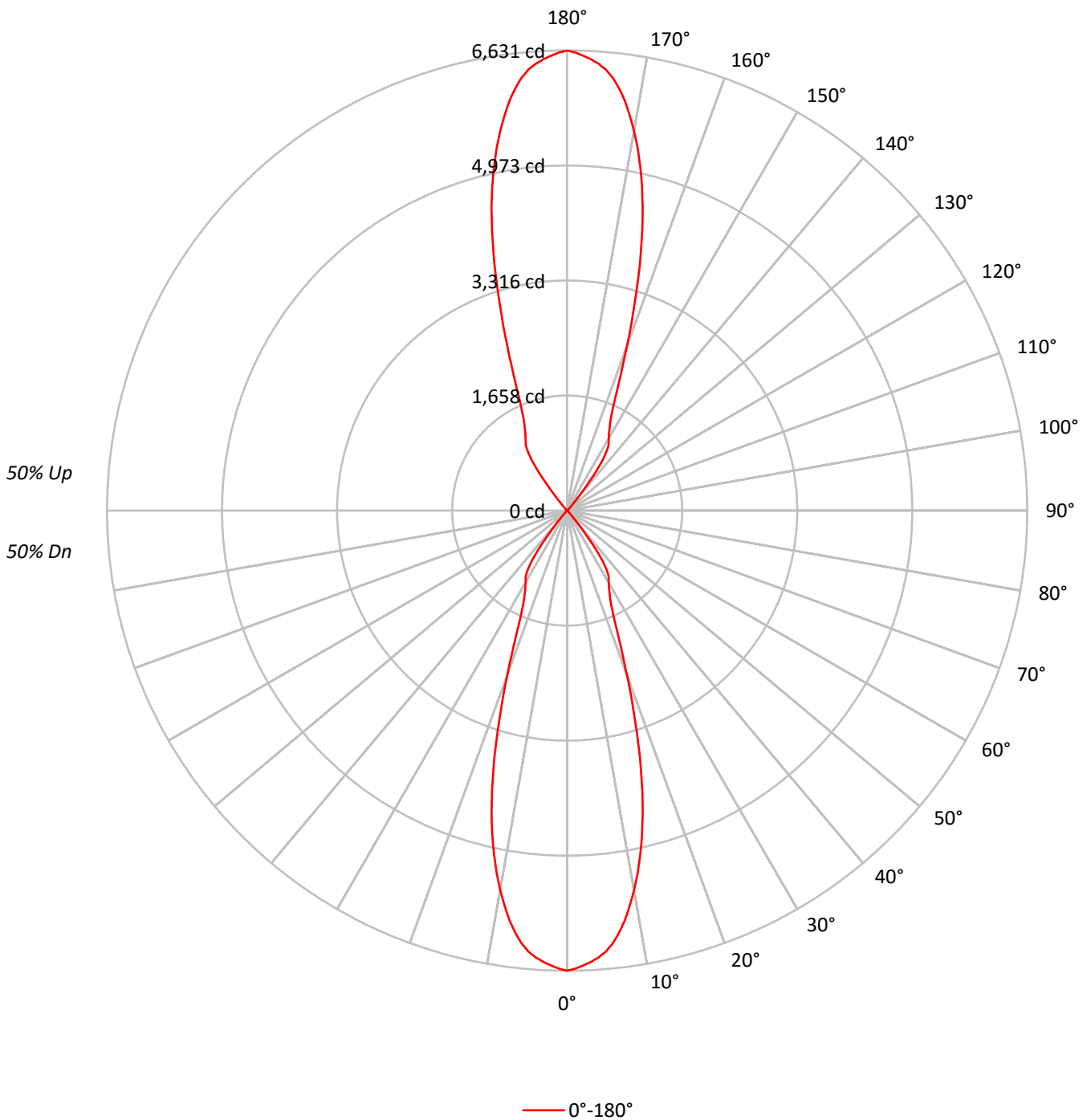
Lumens per Lamp: N/A
Luminaire Lumens: 5964.6 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

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°	817893
5°	789889
10°	695454
15°	534207
20°	330399
25°	204717
30°	170599
35°	136558
40°	29772
45°	6350
50°	1190
55°	667
60°	518
65°	292
70°	361
75°	477
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.6	9.8
10°-20°	1121.9	18.8
20°-30°	736.8	12.4
30°-40°	496.8	8.3
40°-50°	39.2	0.7
50°-60°	2.8	0.0
60°-70°	1.4	0.0
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	1.4	0.0
120°-130°	2.8	0.0
130°-140°	39.2	0.7
140°-150°	496.8	8.3
150°-160°	736.8	12.4
160°-170°	1121.9	18.8
170°-180°	582.6	9.8
0°-30°	2441.2	40.9
0°-40°	2938.0	49.3
0°-60°	2980.0	50.0
0°-90°	2982.3	50.0
90°-120°	2.3	0.0
90°-150°	541.1	9.1
90°-180°	2982.0	50.0
0°-180°	5964.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6631	
5°	6380	583
15°	4183	1122
25°	1504	737
35°	907	497
45°	36	39
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	3	3
135°	36	39
145°	907	497
155°	1504	737
165°	4183	1122
175°	6380	583
180°	6631	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6630.9
1°	6601.8
2°	6559.2
3°	6512.4
4°	6457.4
5°	6379.5
6°	6272.5
7°	6133.3
8°	5961.9
9°	5763.4
10°	5552.6
11°	5320.9
12°	5068.5
13°	4793.2
14°	4500.2
15°	4183.4
16°	3849.9
17°	3505.0
18°	3160.1
19°	2836.0
20°	2517.1
21°	2240.8
22°	1992.5
23°	1786.8
24°	1627.9
25°	1504.2
26°	1414.9
27°	1346.3
28°	1288.2
29°	1240.4
30°	1197.8
32.5°	1108.4
35°	906.9
37.5°	539.2
40°	184.9
42.5°	55.1
45°	36.4
47.5°	22.9
50°	6.2
52.5°	3.1
55°	3.1
57.5°	2.1
60°	2.1
62.5°	2.1
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
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°	1.0
105°	1.0
107.5°	1.0
110°	1.0
112.5°	1.0
115°	1.0
117.5°	2.1
120°	2.1
122.5°	2.1
125°	3.1
127.5°	3.1
130°	6.2
132.5°	22.9
135°	36.4
137.5°	55.1
140°	184.9
142.5°	539.2
145°	906.9
147.5°	1108.4
150°	1197.8
151°	1240.4
152°	1288.2
153°	1346.3
154°	1414.9
155°	1504.2
156°	1627.9
157°	1786.8
158°	1992.5
159°	2240.8
160°	2517.1
161°	2836.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	3160.1
163°	3505.0
164°	3849.9
165°	4183.4
166°	4500.2
167°	4793.2
168°	5068.5
169°	5320.9
170°	5552.6
171°	5763.4
172°	5961.9
173°	6133.3
174°	6272.5
175°	6379.5
176°	6457.4
177°	6512.4
178°	6559.2
179°	6601.8
180°	6630.9

(END OF REPORT)