

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: P221097

Luminaire Tested: **9004-W1-FL-LED5080-F-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221097
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-W1-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

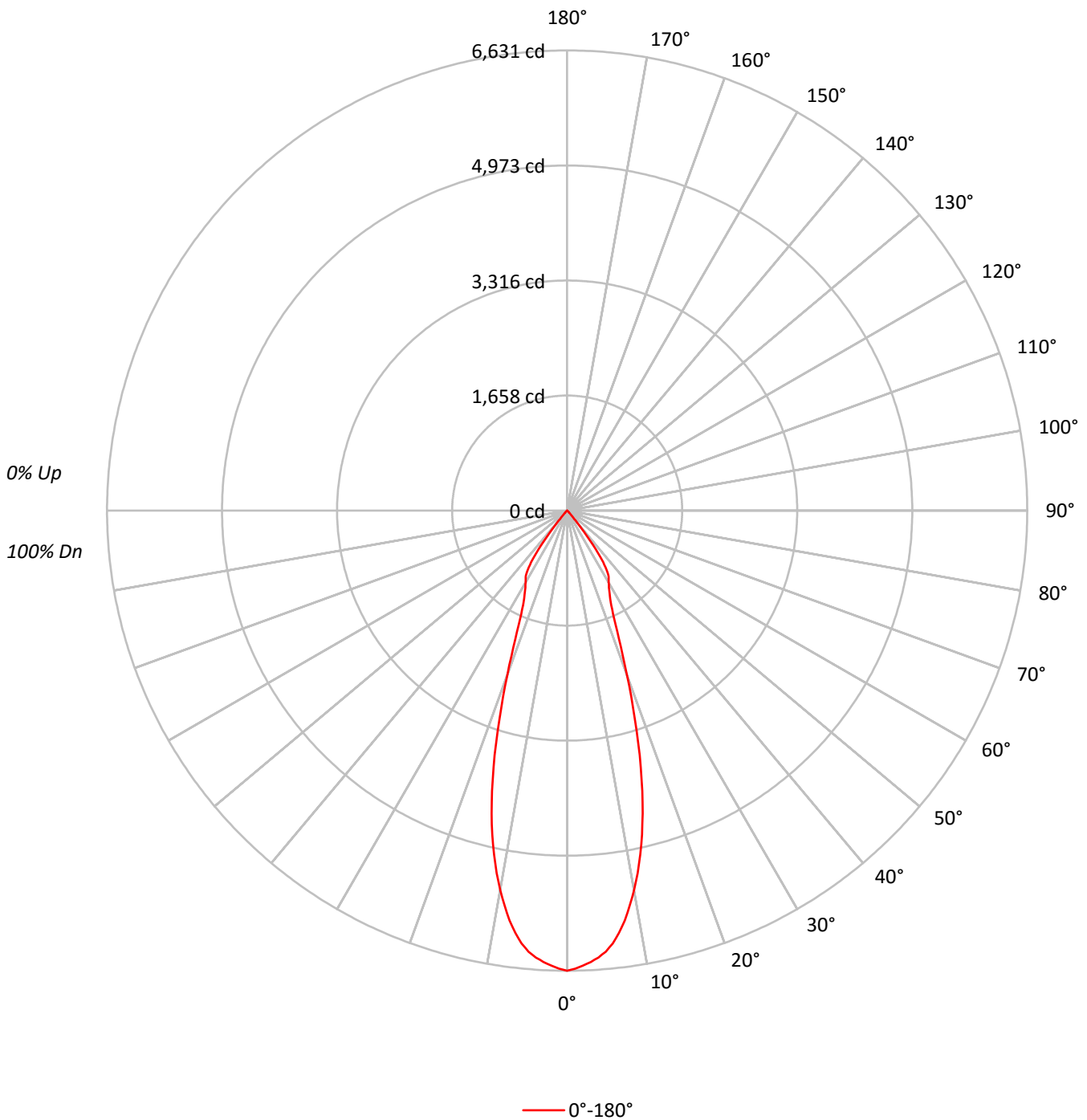
Lumens per Lamp: N/A
Luminaire Lumens: 2982.3 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	97	95	94	95	93	92	90
3	105	99	95	92	103	98	94	91	96	92	90	93	90	88	91	89	87	85
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81
5	97	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	79	76	83	79	75	82	78	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	72	78	74	71	77	74	71	70
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67
9	82	74	69	65	81	74	69	65	73	68	65	72	68	65	71	67	65	64
10	79	71	66	63	78	70	66	62	70	65	62	69	65	62	68	65	62	61

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	19.5
10°-20°	1121.9	37.6
20°-30°	736.8	24.7
30°-40°	496.8	16.7
40°-50°	39.2	1.3
50°-60°	2.8	0.1
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°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2441.2	81.9
0°-40°	2938.0	98.5
0°-60°	2980.0	99.9
0°-90°	2982.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2982.3	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	



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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

(END OF REPORT)