

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: P220782

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED5080-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2803.8 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

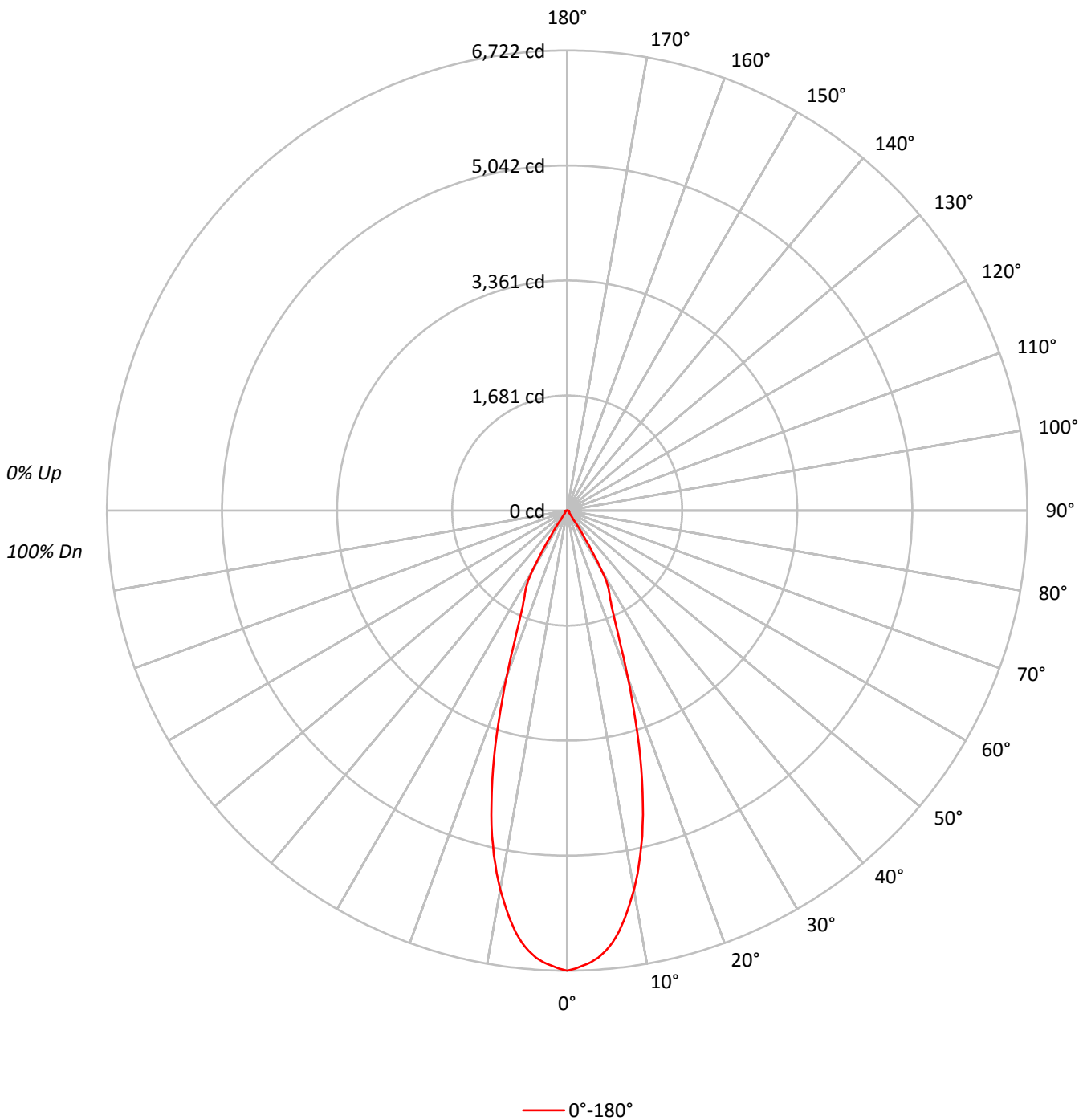
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	829166
5°	799535
10°	704034
15°	543618
20°	339403
25°	208963
30°	143225
35°	22526
40°	10208
45°	6890
50°	7177
55°	7828
60°	8708
65°	9690
70°	11252
75°	13868
80°	16266
85°	16134



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.5	21.0
10°-20°	1143.1	40.8
20°-30°	740.3	26.4
30°-40°	190.5	6.8
40°-50°	32.5	1.2
50°-60°	32.9	1.2
60°-70°	33.0	1.2
70°-80°	29.7	1.1
80°-90°	12.4	0.4
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°	2472.9	88.2
0°-40°	2663.4	95.0
0°-60°	2728.7	97.3
0°-90°	2803.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2803.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6722	
5°	6457	590
15°	4257	1143
25°	1535	740
35°	150	190
45°	40	32
55°	36	33
65°	33	33
75°	29	30
85°	11	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6722.3
1°	6692.2
2°	6652.7
3°	6605.9
4°	6545.7
5°	6457.4
6°	6345.2
7°	6198.7
8°	6023.2
9°	5827.9
10°	5621.1
11°	5394.7
12°	5145.3
13°	4875.3
14°	4579.2
15°	4257.1
16°	3924.7
17°	3582.9
18°	3240.1
19°	2902.5
20°	2585.7
21°	2295.8
22°	2043.4
23°	1830.4
24°	1663.2
25°	1535.4
26°	1434.6
27°	1356.7
28°	1291.3
29°	1177.0
30°	1005.6
32.5°	502.8
35°	149.6
37.5°	95.6
40°	63.4
42.5°	40.5
45°	39.5
47.5°	38.4
50°	37.4
52.5°	37.4
55°	36.4
57.5°	36.4
60°	35.3
62.5°	34.3
65°	33.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	32.2
70°	31.2
72.5°	30.1
75°	29.1
77.5°	26.0
80°	22.9
82.5°	17.7
85°	11.4
87.5°	5.2
90°	0.0

(END OF REPORT)