

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: P220388

Luminaire Tested: **9002-W1-FL-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED5080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH 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: 1129.7 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

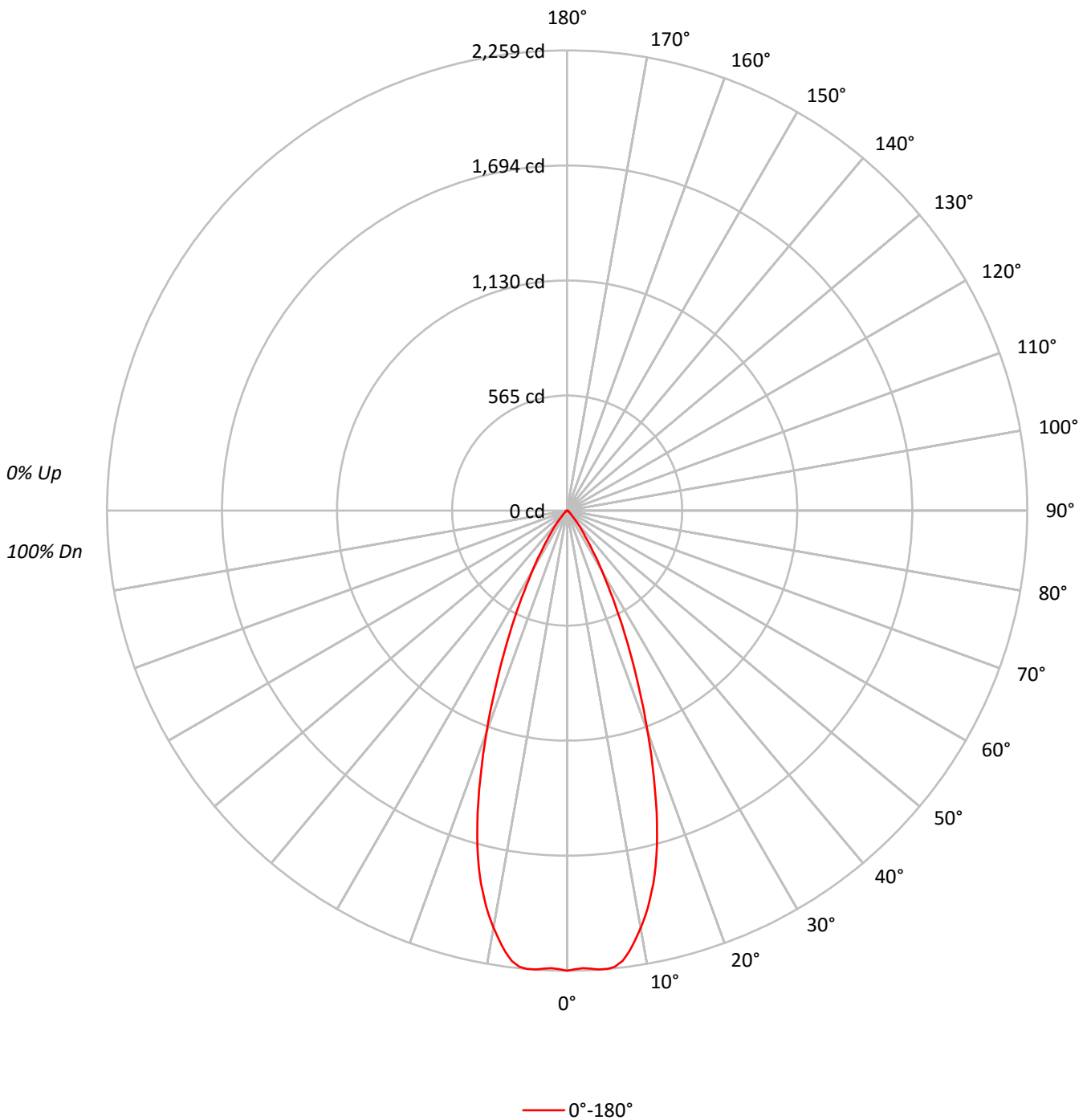
Input Watts (W): 10.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	107	112	110	108	106	106	104	102		102	101	99		98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89		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	89	84	80	87	83	80		85	82	79		84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76		82	78	75		80	77	75	73
7	89	81	76	73	88	81	76	72	79	75	72		78	74	72		77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69		75	71	68		74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66		72	68	65		71	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63		70	66	63		69	65	63	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1114446
5°	1118703
10°	1041961
15°	869355
20°	606478
25°	364901
30°	192788
35°	92695
40°	44311
45°	20583
50°	11744
55°	7484
60°	6513
65°	6421
70°	6347
75°	6291
80°	6251
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.2	18.6
10°-20°	459.3	40.7
20°-30°	310.6	27.5
30°-40°	105.2	9.3
40°-50°	25.8	2.3
50°-60°	8.5	0.8
60°-70°	5.7	0.5
70°-80°	3.5	0.3
80°-90°	0.9	0.1
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°	980.1	86.8
0°-40°	1085.3	96.1
0°-60°	1119.6	99.1
0°-90°	1129.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1129.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2259	
5°	2259	210
15°	1702	459
25°	670	311
35°	154	105
45°	30	26
55°	9	8
65°	6	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2258.8
1°	2251.2
2°	2247.9
3°	2252.3
4°	2258.8
5°	2258.8
6°	2251.2
7°	2228.2
8°	2185.7
9°	2135.4
10°	2079.8
11°	2020.8
12°	1953.1
13°	1880.0
14°	1797.0
15°	1702.0
16°	1600.5
17°	1491.3
18°	1377.8
19°	1268.6
20°	1155.1
21°	1049.2
22°	945.4
23°	847.2
24°	755.5
25°	670.3
26°	590.6
27°	517.5
28°	450.9
29°	391.9
30°	338.4
32.5°	229.3
35°	153.9
37.5°	103.7
40°	68.8
42.5°	43.7
45°	29.5
47.5°	20.7
50°	15.3
52.5°	10.9
55°	8.7
57.5°	7.6
60°	6.6
62.5°	6.6
65°	5.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.5
70°	4.4
72.5°	4.4
75°	3.3
77.5°	2.2
80°	2.2
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)