

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: P220324

Luminaire Tested: **9002-W1-[RW, RI]-LED5080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-[RW, RI]-LED5080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 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: 1136.3 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

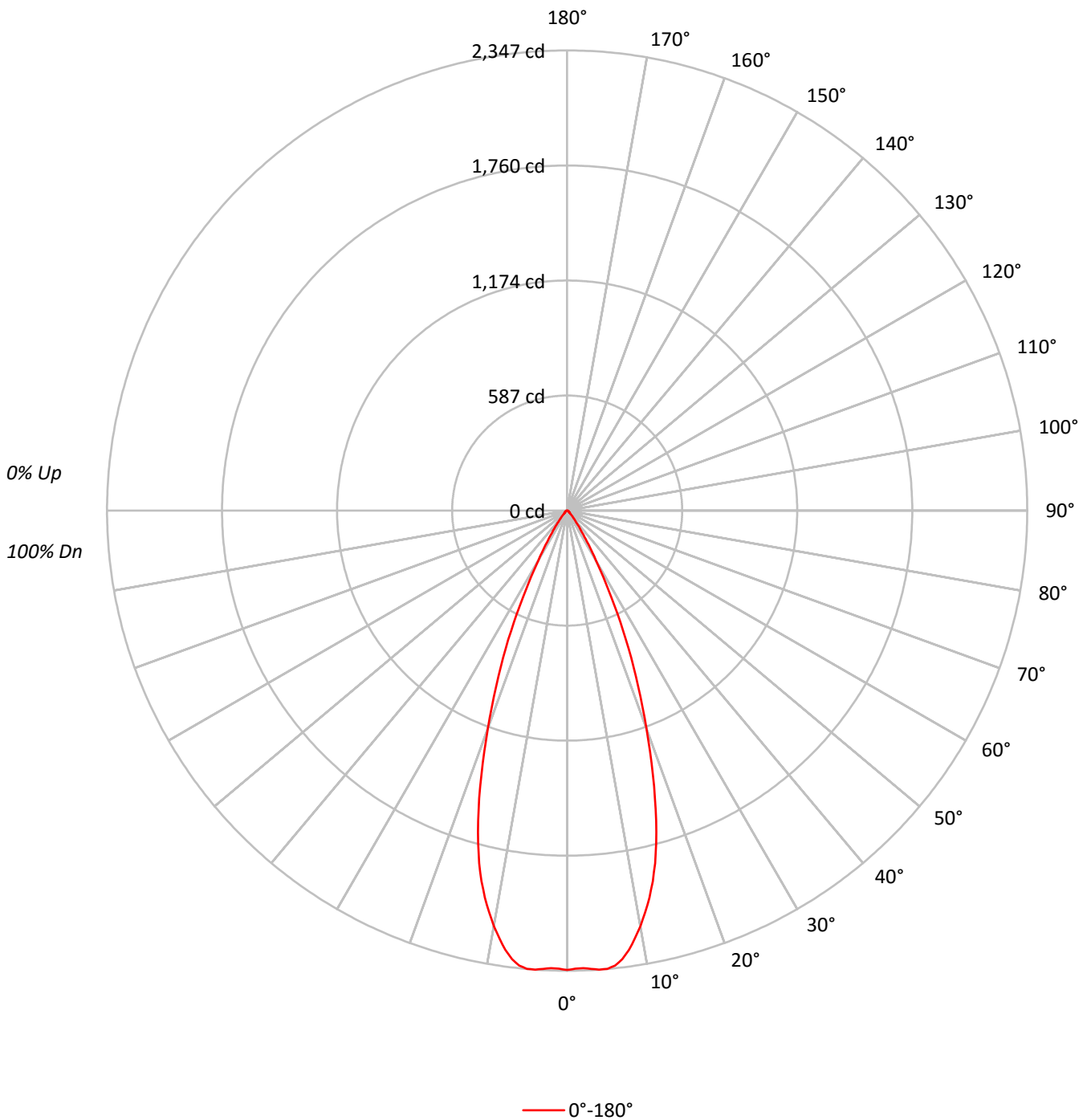
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	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	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1155939
5°	1161939
10°	1078032
15°	897243
20°	620234
25°	367895
30°	166696
35°	74324
40°	33749
45°	17513
50°	11744
55°	11268
60°	10756
65°	10157
70°	10963
75°	12581
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	19.2
10°-20°	472.9	41.6
20°-30°	309.1	27.2
30°-40°	85.5	7.5
40°-50°	21.6	1.9
50°-60°	11.5	1.0
60°-70°	9.0	0.8
70°-80°	6.5	0.6
80°-90°	2.4	0.2
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°	999.8	88.0
0°-40°	1085.3	95.5
0°-60°	1118.4	98.4
0°-90°	1136.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1136.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2343	
5°	2346	218
15°	1757	473
25°	676	309
35°	123	85
45°	25	22
55°	13	11
65°	9	9
75°	7	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2342.9
1°	2337.4
2°	2335.2
3°	2340.7
4°	2347.2
5°	2346.1
6°	2333.0
7°	2305.8
8°	2263.2
9°	2209.7
10°	2151.8
11°	2087.4
12°	2017.5
13°	1941.1
14°	1853.8
15°	1756.6
16°	1647.4
17°	1532.8
18°	1414.9
19°	1298.1
20°	1181.3
22.5°	914.9
25°	675.8
26°	587.4
27°	498.9
28°	420.3
29°	349.4
30°	292.6
32.5°	186.7
35°	123.4
37.5°	79.7
40°	52.4
42.5°	36.0
45°	25.1
47.5°	18.6
50°	15.3
52.5°	13.1
55°	13.1
57.5°	12.0
60°	10.9
62.5°	9.8
65°	8.7
67.5°	8.7
70°	7.6
72.5°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	6.6
77.5°	5.5
80°	4.4
82.5°	3.3
85°	2.2
87.5°	1.1
90°	0.0

(END OF REPORT)