

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: P220479

Luminaire Tested: **9003-W1-[RW, RI]-LED5080-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W1-[RW, RI]-LED5080-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 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: 1950.4 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

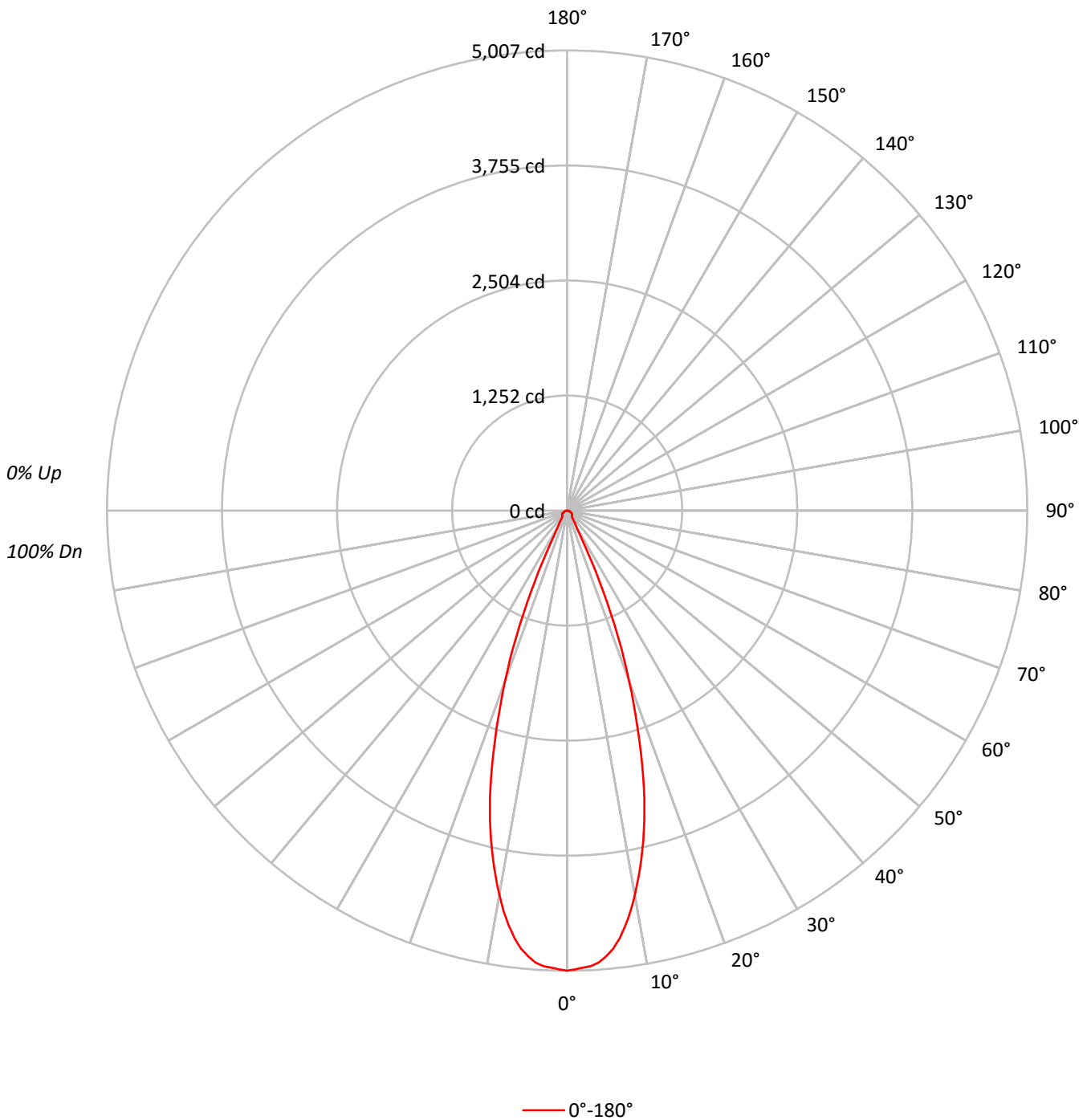
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P220479

CATALOG NUMBER: 9003-W1-[RW, RI]-LED5080-F-WT-L2-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P220479

CATALOG NUMBER: 9003-W1-[RW, RI]-LED5080-F-WT-L2-UNV

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1097982
5°	1071976
10°	945585
15°	735804
20°	459613
25°	179454
30°	48919
35°	28643
40°	22900
45°	23196
50°	24460
55°	25003
60°	24603
65°	22622
70°	19298
75°	17622
80°	19699
85°	18367



TEST NUMBER: P220479

CATALOG NUMBER: 9003-W1-[RW, RI]-LED5080-F-WT-L2-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.1	22.8
10°-20°	868.7	44.5
20°-30°	372.7	19.1
30°-40°	73.6	3.8
40°-50°	58.3	3.0
50°-60°	58.0	3.0
60°-70°	43.0	2.2
70°-80°	23.0	1.2
80°-90°	8.1	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°	1686.4	86.5
0°-40°	1760.0	90.2
0°-60°	1876.3	96.2
0°-90°	1950.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1950.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5007	
5°	4870	445
15°	3241	869
25°	742	373
35°	107	74
45°	75	58
55°	65	58
65°	44	43
75°	21	23
85°	7	8
90°	0	



TEST NUMBER: P220479

CATALOG NUMBER: 9003-W1-[RW, RI]-LED5080-F-WT-L2-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	5007.2
1°	4992.6
2°	4977.0
3°	4962.5
4°	4928.2
5°	4870.0
6°	4792.1
7°	4690.3
8°	4560.5
9°	4414.0
10°	4246.7
11°	4068.1
12°	3882.1
13°	3680.6
14°	3468.7
15°	3241.2
16°	2998.1
17°	2742.5
18°	2478.7
19°	2220.0
20°	1969.6
21°	1731.7
22°	1476.2
23°	1214.4
24°	965.1
25°	741.7
26°	547.5
27°	387.5
28°	276.3
29°	219.2
30°	193.2
32.5°	146.5
35°	107.0
37.5°	87.3
40°	80.0
42.5°	76.9
45°	74.8
47.5°	73.8
50°	71.7
52.5°	68.6
55°	65.4
57.5°	61.3
60°	56.1
62.5°	50.9
65°	43.6



TEST NUMBER: P220479

CATALOG NUMBER: 9003-W1-[RW, RI]-LED5080-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	36.4
70°	30.1
72.5°	24.9
75°	20.8
77.5°	18.7
80°	15.6
82.5°	11.4
85°	7.3
87.5°	3.1
90°	0.0

(END OF REPORT)