

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: P220316

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1075.1 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

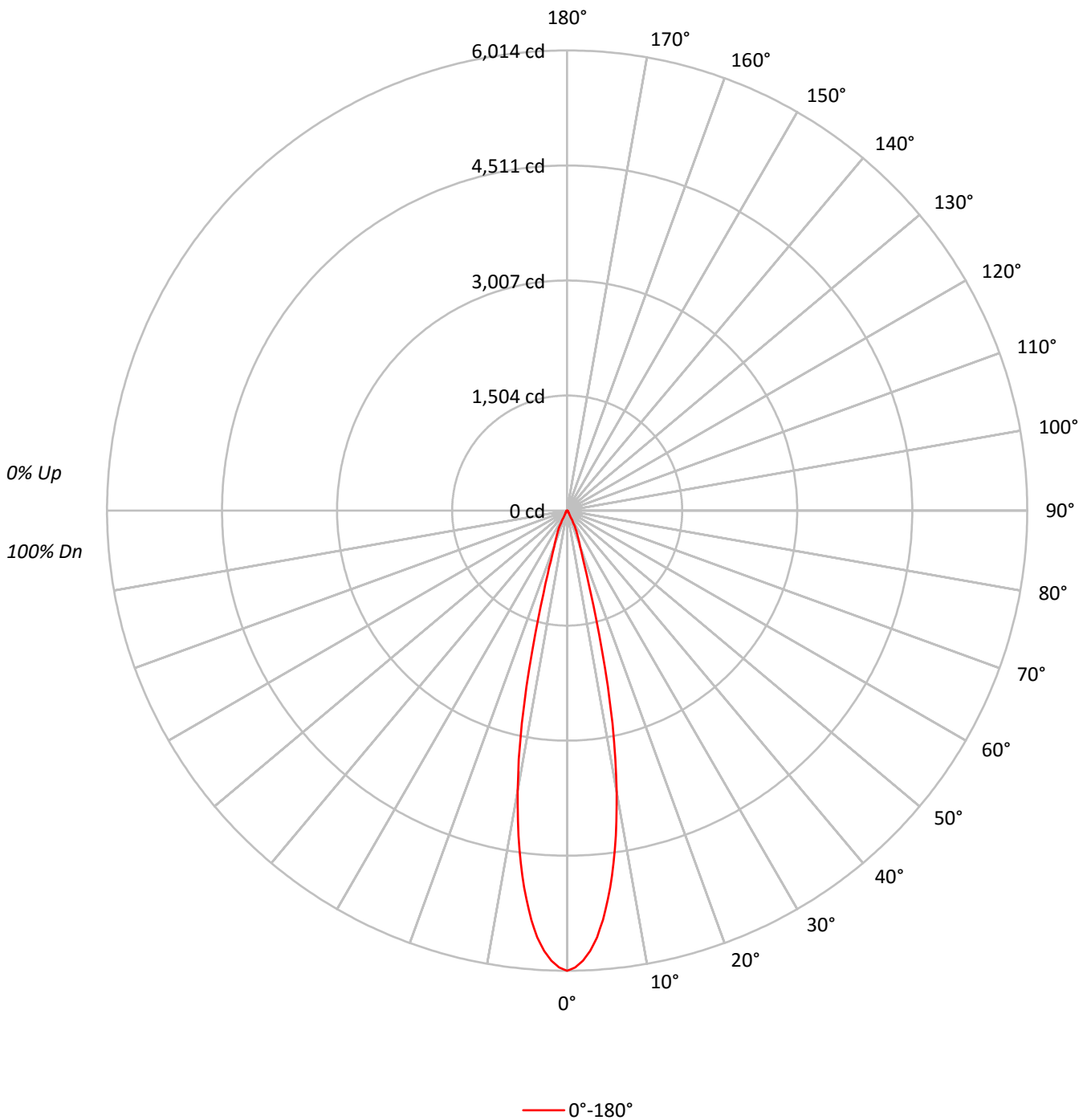
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	85	82	80	79
9	92	85	82	79	91	85	81	79	84	81	79	84	80	78	83	80	78	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2967382
5°	2658628
10°	1867293
15°	745030
20°	256221
25°	142629
30°	34809
35°	19093
40°	14041
45°	12978
50°	12588
55°	13161
60°	12927
65°	12725
70°	12550
75°	12581
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	42.7
10°-20°	435.4	40.5
20°-30°	110.3	10.3
30°-40°	21.5	2.0
40°-50°	14.4	1.3
50°-60°	13.6	1.3
60°-70°	10.8	1.0
70°-80°	7.2	0.7
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°	1005.2	93.5
0°-40°	1026.7	95.5
0°-60°	1054.7	98.1
0°-90°	1075.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6014	
5°	5368	459
15°	1459	435
25°	262	110
35°	32	21
45°	19	14
55°	15	14
65°	11	11
75°	7	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6014.4
1°	5972.9
2°	5886.6
3°	5762.2
4°	5590.8
5°	5368.1
6°	5106.0
7°	4809.1
8°	4477.2
9°	4113.7
10°	3727.2
11°	3308.0
12°	2844.0
13°	2361.4
14°	1882.1
15°	1458.6
16°	1117.9
17°	869.0
18°	694.3
19°	573.2
20°	488.0
22.5°	354.8
25°	262.0
26°	210.7
27°	148.5
28°	99.3
29°	74.2
30°	61.1
32.5°	41.5
35°	31.7
37.5°	25.1
40°	21.8
42.5°	19.7
45°	18.6
47.5°	17.5
50°	16.4
52.5°	16.4
55°	15.3
57.5°	14.2
60°	13.1
62.5°	12.0
65°	10.9
67.5°	9.8
70°	8.7
72.5°	7.6



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)