

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: P220314

Luminaire Tested: **9002-W1-[RW, RI]-LED3090-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220314
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]-LED3090-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 790.0 lumens
Efficiency: N/A
Efficacy: 79.0 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

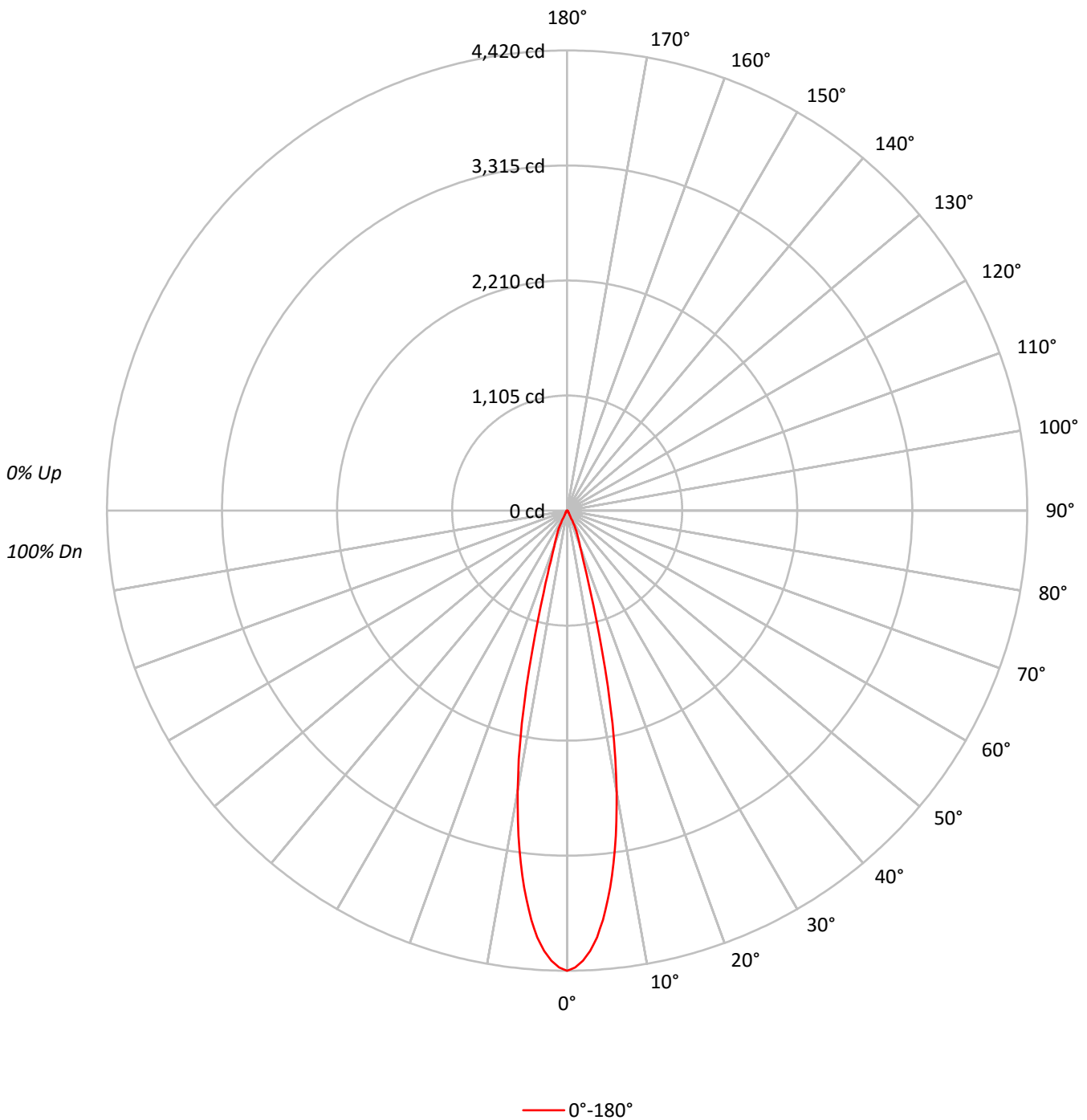
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	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	90	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°	2180886
5°	1953966
10°	1372364
15°	547561
20°	188333
25°	104848
30°	25580
35°	14034
40°	10305
45°	9489
50°	9211
55°	9634
60°	9473
65°	9339
70°	9232
75°	9150
80°	9092
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	42.7
10°-20°	320.0	40.5
20°-30°	81.1	10.3
30°-40°	15.8	2.0
40°-50°	10.6	1.3
50°-60°	9.9	1.3
60°-70°	7.9	1.0
70°-80°	5.3	0.7
80°-90°	1.7	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°	738.8	93.5
0°-40°	754.6	95.5
0°-60°	775.1	98.1
0°-90°	790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4420	
5°	3945	338
15°	1072	320
25°	193	81
35°	23	16
45°	14	11
55°	11	10
65°	8	8
75°	5	5
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4420.3
1°	4389.8
2°	4326.4
3°	4234.9
4°	4108.9
5°	3945.3
6°	3752.7
7°	3534.4
8°	3290.5
9°	3023.3
10°	2739.3
11°	2431.2
12°	2090.2
13°	1735.5
14°	1383.3
15°	1072.0
16°	821.6
17°	638.7
18°	510.3
19°	421.2
20°	358.7
22.5°	260.8
25°	192.6
26°	154.9
27°	109.1
28°	73.0
29°	54.6
30°	44.9
32.5°	30.5
35°	23.3
37.5°	18.5
40°	16.0
42.5°	14.4
45°	13.6
47.5°	12.8
50°	12.0
52.5°	12.0
55°	11.2
57.5°	10.4
60°	9.6
62.5°	8.8
65°	8.0
67.5°	7.2
70°	6.4
72.5°	5.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	4.8
77.5°	4.8
80°	3.2
82.5°	2.4
85°	1.6
87.5°	0.8
90°	0.0

(END OF REPORT)