

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: P29422

Luminaire Tested: **9002-W1-FL-LED4080-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29422
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LED4080-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

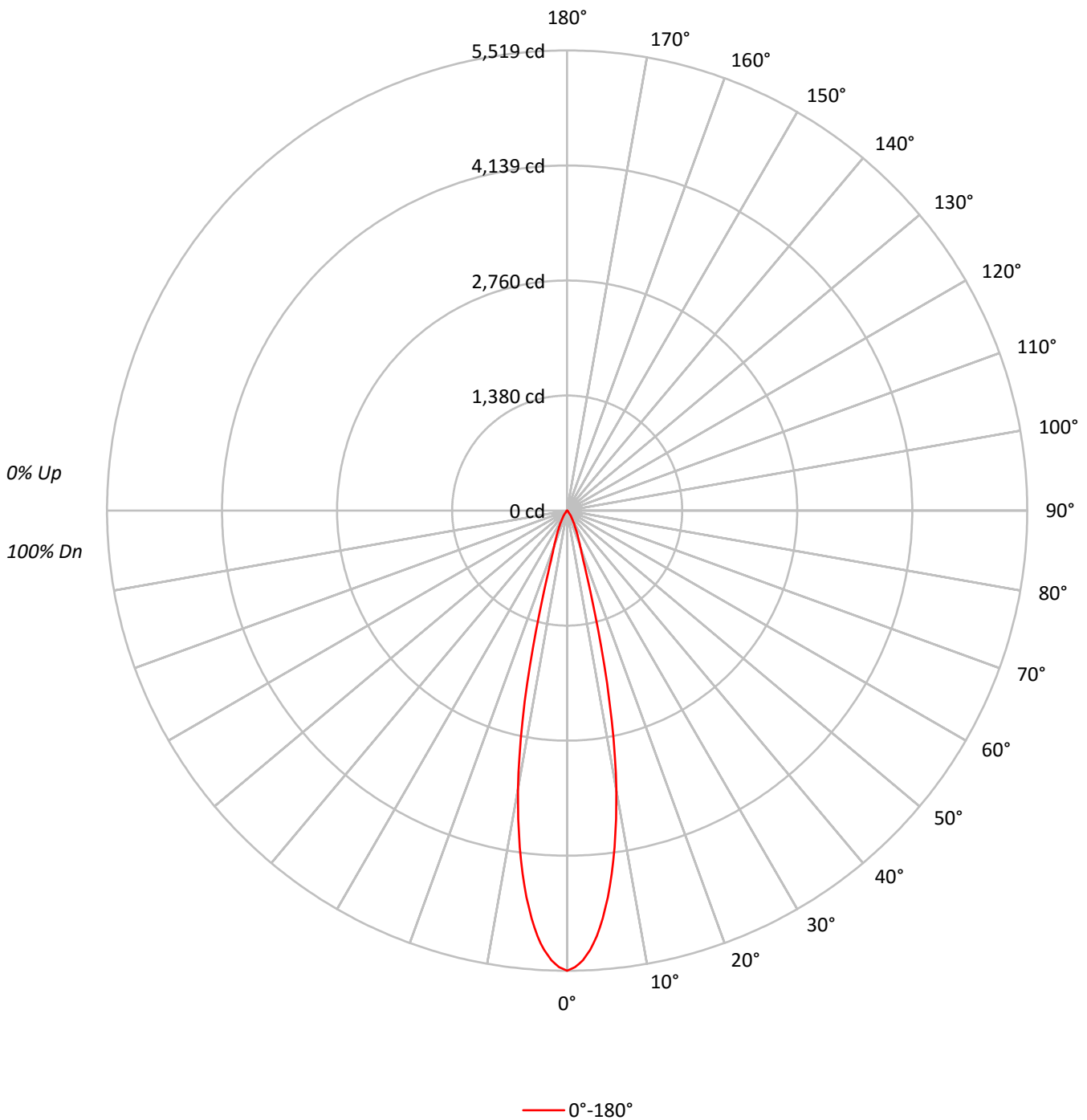
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	100		101	99	97		98	97	95	94
3	108	104	100	98	107	103	99	97	100	97	95		98	96	94		96	94	93	91
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94	92	90	89
5	102	97	93	90	101	96	92	89	94	91	89		93	90	88		91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86		90	88	85		89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87	85	83	82
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2722962
5°	2431252
10°	1698860
15°	665041
20°	239945
25°	134463
30°	75771
35°	39752
40°	14169
45°	7675
50°	4605
55°	2581
60°	1974
65°	1167
70°	1443
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.4	42.6
10°-20°	392.8	39.9
20°-30°	117.8	12.0
30°-40°	41.5	4.2
40°-50°	9.3	0.9
50°-60°	2.9	0.3
60°-70°	1.1	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	930.0	94.4
0°-40°	971.5	98.6
0°-60°	983.7	99.9
0°-90°	985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5519	
5°	4909	419
15°	1302	393
25°	247	118
35°	66	42
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5519
1°	5478
2°	5397
3°	5278
4°	5117
5°	4909
6°	4662
7°	4387
8°	4080
9°	3746
10°	3391
11°	3002
12°	2574
13°	2124
14°	1684
15°	1302
16°	996
17°	775
18°	627
19°	527
20°	457
22.5°	335
25°	247
26°	218
27°	193
28°	171
29°	151
30°	133
32.5°	96
35°	66
37.5°	34
40°	22
42.5°	16
45°	11
47.5°	8
50°	6
52.5°	4
55°	3
57.5°	2
60°	2
62.5°	1
65°	1
67.5°	1
70°	1
72.5°	0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)