

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: P29410

Luminaire Tested: **9002-W1-[RW, RI]-LED4080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 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]-LED4080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 984.7 lumens
Efficiency: N/A
Efficacy: 98.5 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

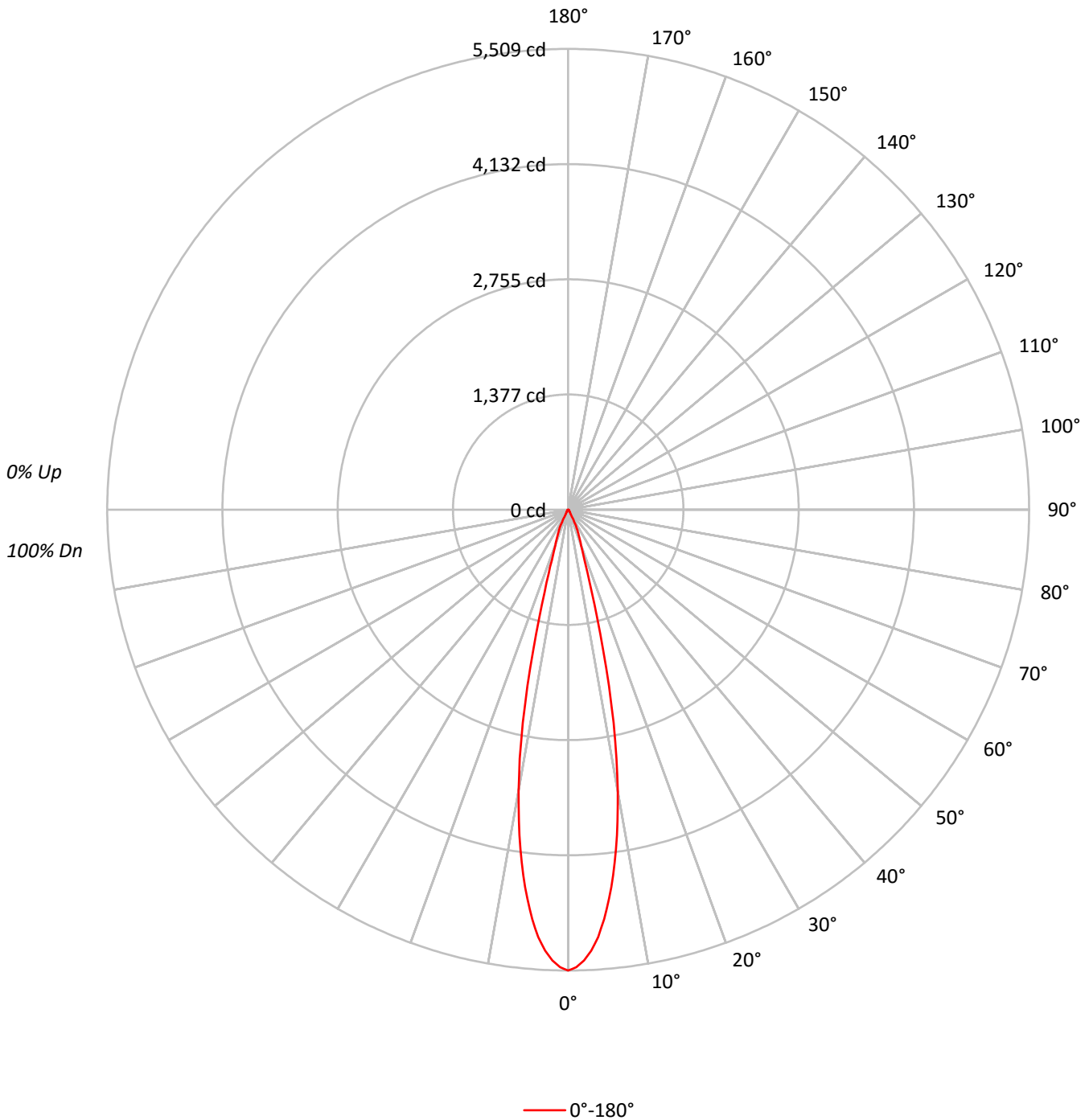
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2718028
5°	2435214
10°	1710382
15°	682408
20°	234694
25°	130652
30°	31904
35°	17467
40°	12881
45°	11862
50°	11513
55°	12043
60°	11841
65°	11674
70°	11540
75°	11438
80°	11365
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.8	42.7
10°-20°	398.9	40.5
20°-30°	101.1	10.3
30°-40°	19.7	2.0
40°-50°	13.2	1.3
50°-60°	12.4	1.3
60°-70°	9.9	1.0
70°-80°	6.6	0.7
80°-90°	2.2	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°	920.7	93.5
0°-40°	940.4	95.5
0°-60°	966.0	98.1
0°-90°	984.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	984.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5509	
5°	4917	421
15°	1336	399
25°	240	101
35°	29	20
45°	17	13
55°	14	12
65°	10	10
75°	6	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5509
1°	5471
2°	5392
3°	5278
4°	5121
5°	4917
6°	4677
7°	4405
8°	4101
9°	3768
10°	3414
11°	3030
12°	2605
13°	2163
14°	1724
15°	1336
16°	1024
17°	796
18°	636
19°	525
20°	447
22.5°	325
25°	240
26°	193
27°	136
28°	91
29°	68
30°	56
32.5°	38
35°	29
37.5°	23
40°	20
42.5°	18
45°	17
47.5°	16
50°	15
52.5°	15
55°	14
57.5°	13
60°	12
62.5°	11
65°	10
67.5°	9
70°	8
72.5°	7



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CANDELA DISTRIBUTION (continued):

	0°
75°	6
77.5°	6
80°	4
82.5°	3
85°	2
87.5°	1
90°	0

(END OF REPORT)