

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: P29416

Luminaire Tested: **9002-W1-[RW, RI]-LED4080-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29416
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-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 904.3 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

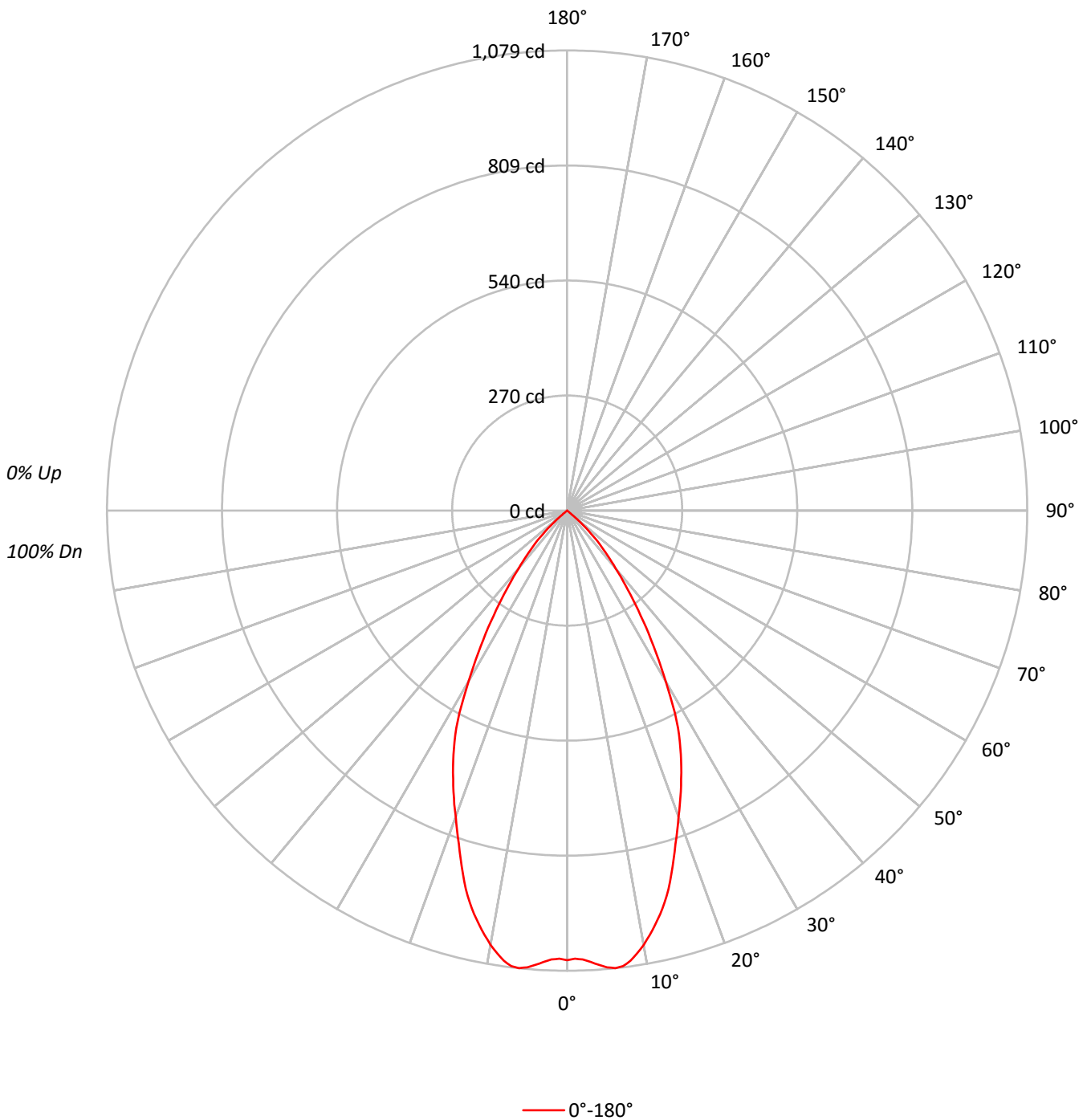
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	91	88	101	95	90	87	92	89	85		90	87	84		88	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79		85	81	78		83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73		80	76	73		78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74	70	67	66
7	84	74	68	64	82	74	68	64	73	67	64		71	67	63		70	66	63	62
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	520022
5°	532409
10°	518024
15°	469411
20°	401133
25°	343506
30°	263204
35°	180692
40°	113999
45°	66286
50°	13816
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	11.2
10°-20°	253.7	28.1
20°-30°	284.9	31.5
30°-40°	189.6	21.0
40°-50°	71.8	7.9
50°-60°	2.8	0.3
60°-70°	0.0	0.0
70°-80°	0.0	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°	640.1	70.8
0°-40°	829.7	91.7
0°-60°	904.3	100.0
0°-90°	904.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1054	
5°	1075	101
15°	919	254
25°	631	285
35°	300	190
45°	95	72
55°	1	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1054
1°	1051
2°	1053
3°	1060
4°	1068
5°	1075
6°	1079
7°	1076
8°	1066
9°	1051
10°	1034
11°	1014
12°	993
13°	971
14°	946
15°	919
16°	887
17°	854
18°	822
19°	793
20°	764
21°	738
22°	711
23°	684
24°	658
25°	631
26°	603
27°	572
28°	538
29°	499
30°	462
32.5°	377
35°	300
37.5°	233
40°	177
42.5°	133
45°	95
47.5°	54
50°	18
52.5°	2
55°	1
57.5°	1
60°	0
62.5°	0
65°	0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)