

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: P29424

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29424
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-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH 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: 946.8 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

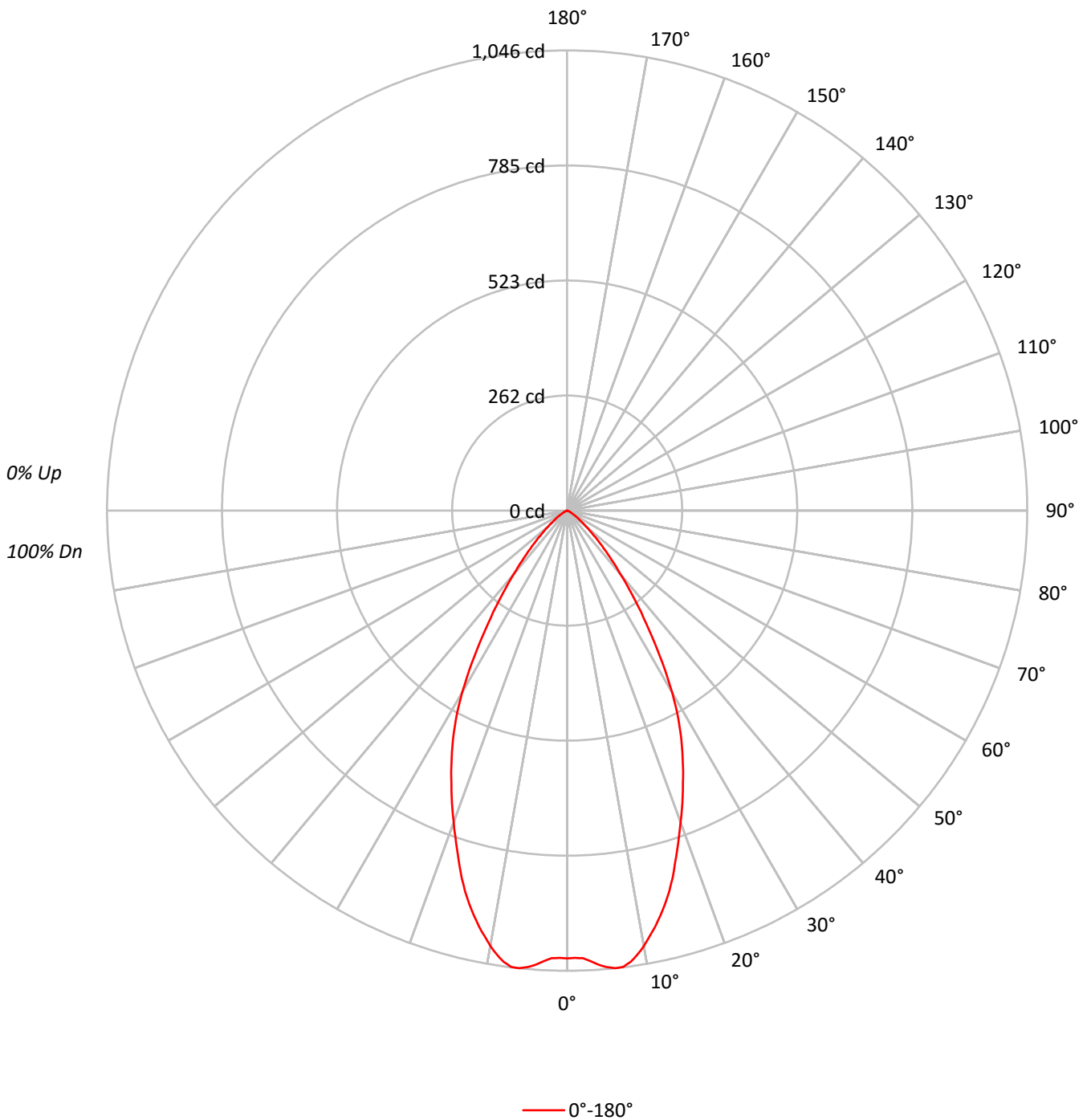
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	82		86	84	81	80
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72	68	65	63
7	82	72	66	62	81	72	66	62	70	65	61		69	64	61		68	64	61	59
8	78	68	62	58	77	67	62	57	66	61	57		65	60	57		64	60	57	55
9	74	64	58	54	73	64	58	54	63	57	54		62	57	53		61	56	53	52
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502260
5°	516065
10°	503496
15°	457663
20°	395883
25°	338063
30°	271750
35°	188522
40°	121728
45°	73961
50°	42983
55°	24085
60°	12828
65°	7005
70°	2885
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	10.4
10°-20°	248.2	26.2
20°-30°	283.0	29.9
30°-40°	198.1	20.9
40°-50°	85.4	9.0
50°-60°	26.9	2.8
60°-70°	6.3	0.7
70°-80°	0.5	0.1
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°	629.6	66.5
0°-40°	827.8	87.4
0°-60°	940.1	99.3
0°-90°	946.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1018	
5°	1042	98
15°	896	248
25°	621	283
35°	313	198
45°	106	85
55°	28	27
65°	6	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1018
1°	1017
2°	1018
3°	1026
4°	1035
5°	1042
6°	1046
7°	1045
8°	1036
9°	1022
10°	1005
11°	985
12°	966
13°	944
14°	921
15°	896
16°	869
17°	839
18°	810
19°	782
20°	754
21°	728
22°	701
23°	674
24°	648
25°	621
26°	595
27°	568
28°	539
29°	509
30°	477
32.5°	392
35°	313
37.5°	246
40°	189
42.5°	143
45°	106
47.5°	77
50°	56
52.5°	40
55°	28
57.5°	19
60°	13
62.5°	9
65°	6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	2
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)