

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: P221138

Luminaire Tested: **9002-W1-FL-LEDCW-F-WT-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29548)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W1-FL-LEDCW-F-WT-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) WARM DIMMING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

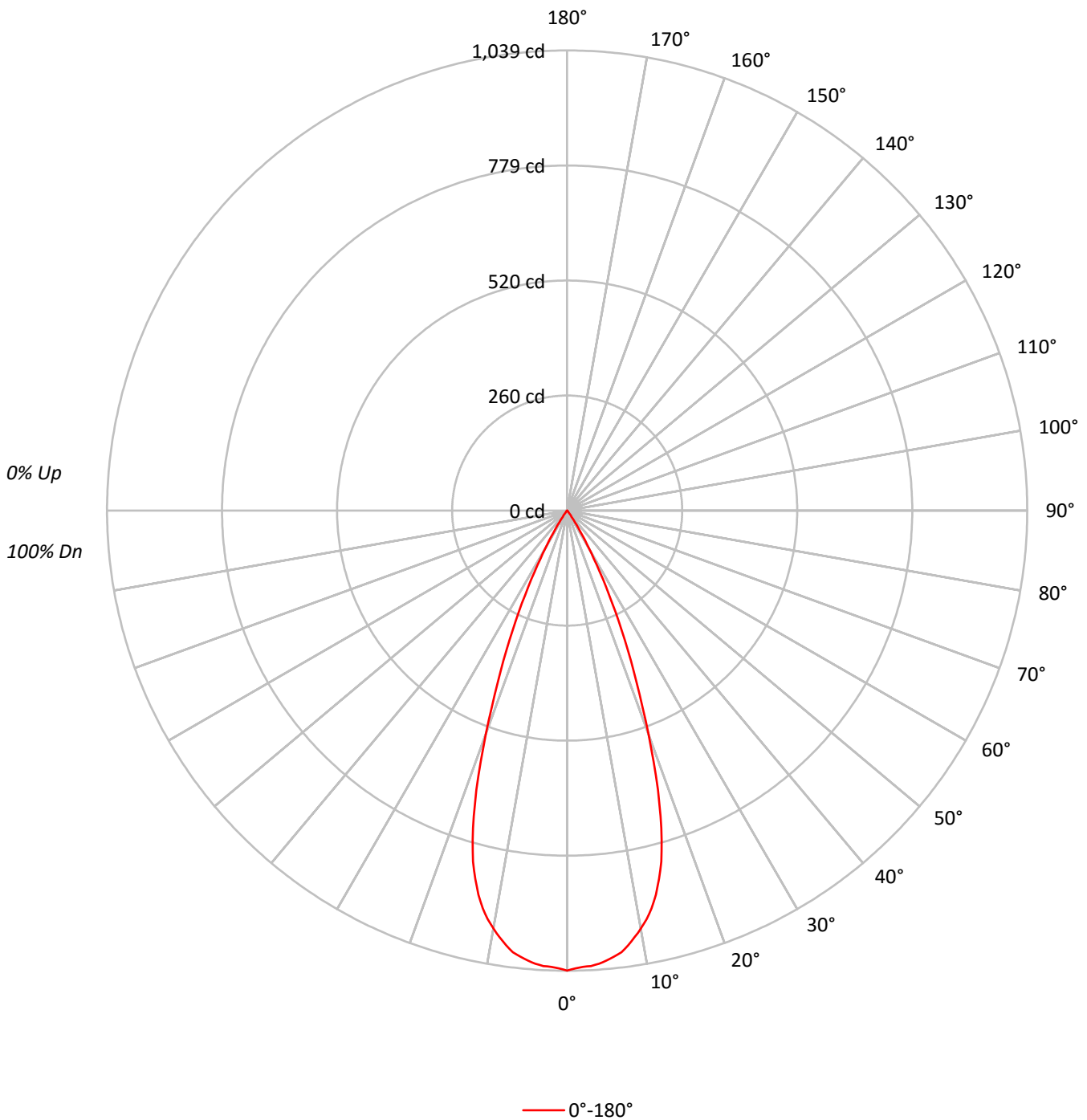
Lumens per Lamp: N/A
Luminaire Lumens: 462.5 lumens
Efficiency: N/A
Efficacy: 34.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.62
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.5
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	112	110	108	112	110	108	107	106	105	103		103	101	100		99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97		99	97	95		96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92		95	93	90		93	91	89	88
4	102	96	92	89	101	95	91	88	93	90	87		91	89	86		90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	82		87	84	82	81
6	95	88	84	80	94	88	83	80	86	82	79		85	82	79		84	81	78	77
7	92	85	80	77	91	84	80	77	83	79	76		82	78	76		81	78	75	74
8	89	81	77	73	88	81	76	73	80	76	73		79	75	73		78	75	72	71
9	86	78	74	71	85	78	73	70	77	73	70		76	73	70		75	72	70	69
10	83	75	71	68	82	75	71	68	74	70	68		74	70	67		73	70	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	512473
5°	505120
10°	480150
15°	419201
20°	281528
25°	149978
30°	55888
35°	11926
40°	1288
45°	1395
50°	768
55°	860
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	20.6
10°-20°	218.4	47.2
20°-30°	127.2	27.5
30°-40°	18.5	4.0
40°-50°	1.4	0.3
50°-60°	0.9	0.2
60°-70°	0.6	0.1
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°	441.0	95.4
0°-40°	459.6	99.4
0°-60°	461.9	99.9
0°-90°	462.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	462.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1039	
5°	1020	95
15°	821	218
25°	276	127
35°	20	19
45°	2	1
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1038.7
1°	1033.7
2°	1030.8
3°	1029.8
4°	1025.8
5°	1019.9
6°	1012.9
7°	1005.0
8°	991.1
9°	975.3
10°	958.4
11°	939.6
12°	917.8
13°	890.0
14°	857.3
15°	820.7
16°	774.1
17°	721.5
18°	663.1
19°	599.6
20°	536.2
21°	475.7
22°	419.2
23°	368.7
24°	320.1
25°	275.5
26°	232.9
27°	193.3
28°	156.6
29°	123.9
30°	98.1
32.5°	50.5
35°	19.8
37.5°	5.0
40°	2.0
42.5°	2.0
45°	2.0
47.5°	2.0
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)