

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: P29548

Luminaire Tested: **9002-W1-FL-LEDCB-F-BK-LC1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 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-LEDCB-F-BK-LC1-UNV  
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC,  
BLACK HOUSING.  
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 466.6 lumens  
Efficiency: N/A  
Efficacy: 34.6 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

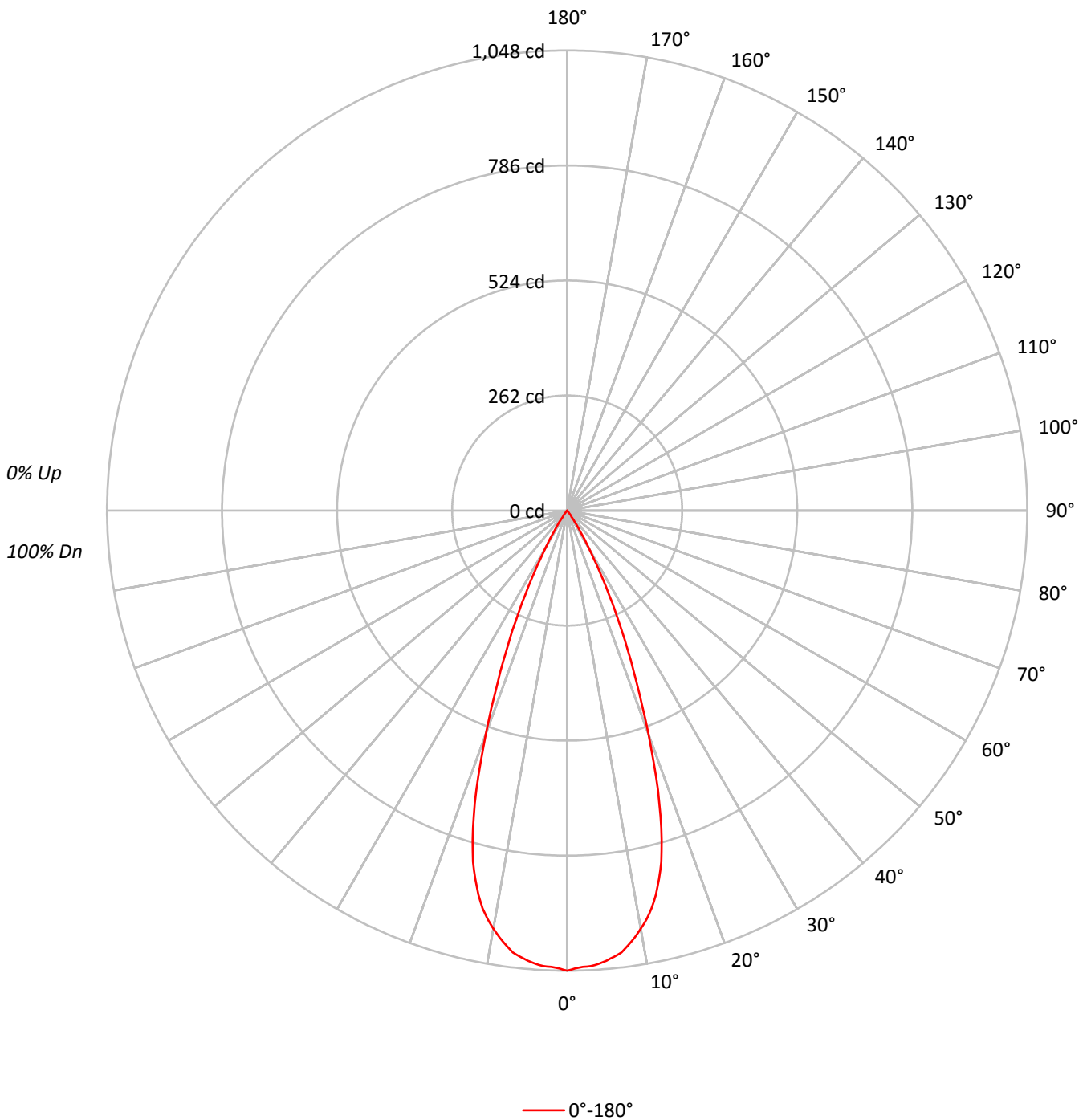
Input Watts (W): 13.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	517062
5°	509627
10°	484458
15°	422929
20°	284049
25°	151339
30°	56401
35°	12046
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°	96.3	20.6
10°-20°	220.3	47.2
20°-30°	128.3	27.5
30°-40°	18.7	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°	445.0	95.4
0°-40°	463.7	99.4
0°-60°	466.0	99.9
0°-90°	466.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1048	
5°	1029	96
15°	828	220
25°	278	128
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°	1048
1°	1043
2°	1040
3°	1039
4°	1035
5°	1029
6°	1022
7°	1014
8°	1000
9°	984
10°	967
11°	948
12°	926
13°	898
14°	865
15°	828
16°	781
17°	728
18°	669
19°	605
20°	541
21°	480
22°	423
23°	372
24°	323
25°	278
26°	235
27°	195
28°	158
29°	125
30°	99
32.5°	51
35°	20
37.5°	5
40°	2
42.5°	2
45°	2
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	1
65°	1



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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)