

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: P221368

Luminaire Tested: **9002-W2-FL-LED5080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED5080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2216.4 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.36
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

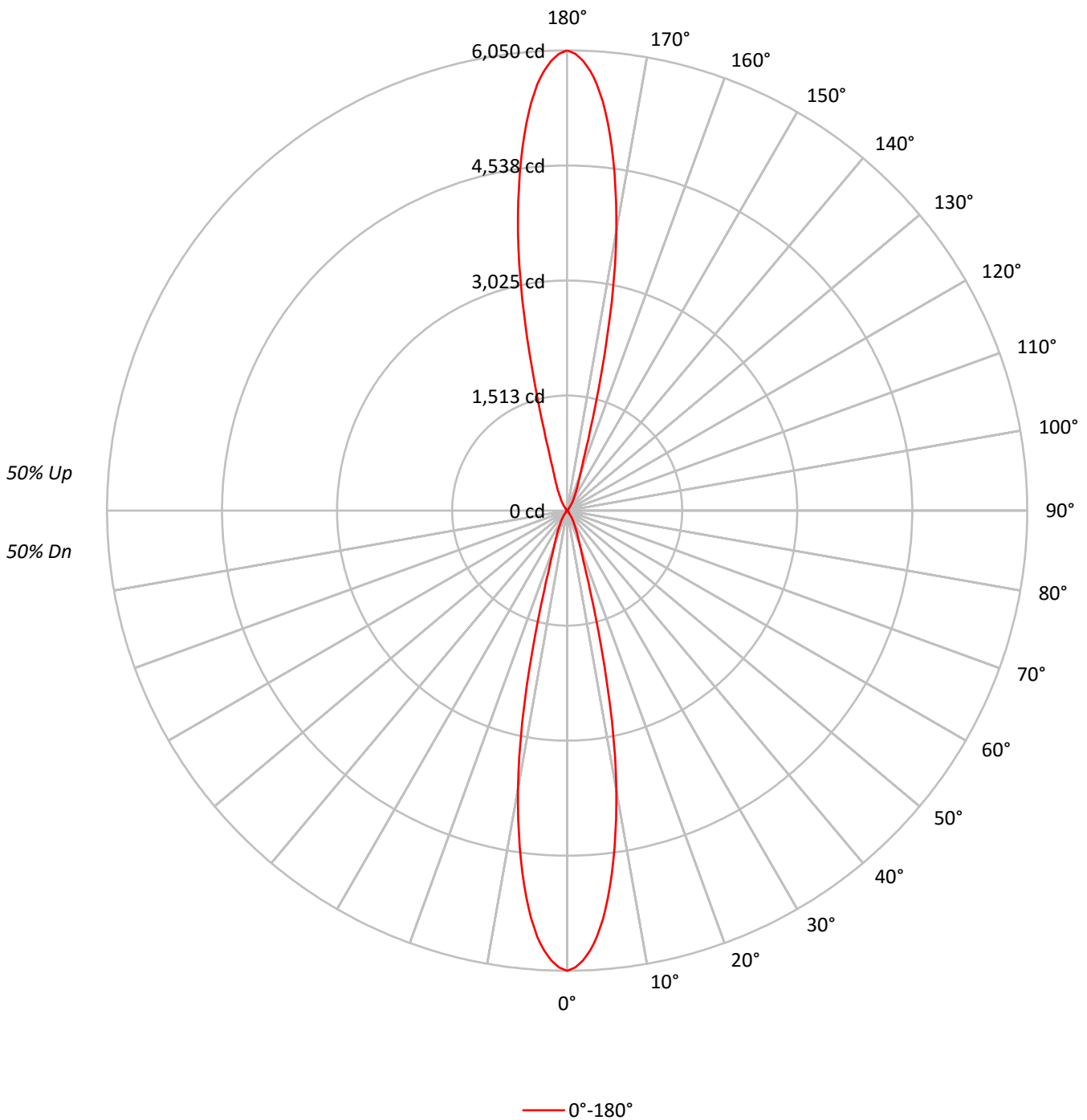
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	98	95	92	93	91	88	86	77	76	75		65	64	64		54	54	53	48
2	95	90	85	82	88	84	80	77	72	70	68		62	61	59		52	52	51	47
3	90	83	78	74	83	78	74	70	68	65	63		59	57	56		51	50	49	45
4	85	77	72	67	79	73	68	64	64	61	58		57	54	53		49	48	47	44
5	81	72	67	62	75	68	64	60	61	58	55		54	52	50		48	46	45	42
6	77	68	62	58	72	65	60	56	58	55	52		52	50	48		46	45	44	41
7	73	64	59	55	69	61	56	53	56	52	49		50	48	46		45	44	42	40
8	70	61	56	52	66	58	54	50	53	50	47		49	46	44		44	42	41	39
9	67	58	53	49	64	56	51	48	51	48	45		47	44	43		43	41	40	38
10	65	56	51	47	61	54	49	46	49	46	44		46	43	41		42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2985144
5°	2669969
10°	1864036
15°	735529
20°	264254
25°	149161
30°	85228
35°	46016
40°	18291
45°	12211
50°	8366
55°	7484
60°	7499
65°	8873
70°	9521
75°	10484
80°	6251
85°	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.4	20.8
10°-20°	432.6	19.5
20°-30°	130.6	5.9
30°-40°	48.3	2.2
40°-50°	14.0	0.6
50°-60°	8.2	0.4
60°-70°	7.4	0.3
70°-80°	5.2	0.2
80°-90°	1.5	0.1
90°-100°	1.5	0.1
100°-110°	5.2	0.2
110°-120°	7.4	0.3
120°-130°	8.2	0.4
130°-140°	14.0	0.6
140°-150°	48.3	2.2
150°-160°	130.6	5.9
160°-170°	432.6	19.5
170°-180°	460.4	20.8
0°-30°	1023.7	46.2
0°-40°	1071.9	48.4
0°-60°	1094.1	49.4
0°-90°	1108.2	50.0
90°-120°	14.1	0.6
90°-150°	84.5	3.8
90°-180°	1108.0	50.0
0°-180°	2216.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6050	
5°	5391	460
15°	1440	433
25°	274	131
35°	76	48
45°	18	14
55°	9	8
65°	8	7
75°	6	5
85°	1	1
90°	0	0
95°	1	1
105°	6	5
115°	8	7
125°	9	8
135°	18	14
145°	76	48
155°	274	131
165°	1440	433
175°	5391	460
180°	6050	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6050.4
1°	6007.9
2°	5919.4
3°	5791.7
4°	5618.1
5°	5391.0
6°	5120.3
7°	4819.0
8°	4477.2
9°	4111.5
10°	3720.7
11°	3294.9
12°	2829.8
13°	2342.9
14°	1864.7
15°	1440.0
16°	1100.5
17°	852.7
18°	688.9
19°	579.7
20°	503.3
22.5°	370.1
25°	274.0
26°	242.4
27°	215.1
28°	191.1
29°	169.2
30°	149.6
32.5°	109.2
35°	76.4
37.5°	42.6
40°	28.4
42.5°	21.8
45°	17.5
47.5°	14.2
50°	10.9
52.5°	9.8
55°	8.7
57.5°	8.7
60°	7.6
62.5°	7.6
65°	7.6
67.5°	7.6
70°	6.6
72.5°	5.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	5.5
77.5°	4.4
80°	2.2
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0
92.5°	1.1
95°	1.1
97.5°	2.2
100°	2.2
102.5°	4.4
105°	5.5
107.5°	5.5
110°	6.6
112.5°	7.6
115°	7.6
117.5°	7.6
120°	7.6
122.5°	8.7
125°	8.7
127.5°	9.8
130°	10.9
132.5°	14.2
135°	17.5
137.5°	21.8
140°	28.4
142.5°	42.6
145°	76.4
147.5°	109.2
150°	149.6
151°	169.2
152°	191.1
153°	215.1
154°	242.4
155°	274.0
157.5°	370.1
160°	503.3
161°	579.7
162°	688.9
163°	852.7
164°	1100.5
165°	1440.0
166°	1864.7
167°	2342.9



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CANDELA DISTRIBUTION (continued):

	0°
168°	2829.8
169°	3294.9
170°	3720.7
171°	4111.5
172°	4477.2
173°	4819.0
174°	5120.3
175°	5391.0
176°	5618.1
177°	5791.7
178°	5919.4
179°	6007.9
180°	6050.4

(END OF REPORT)