

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: P221267

Luminaire Tested: **9002-W2-[RW, RI]-LED4080-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29414)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-[RW, RI]-LED4080-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1912.5 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

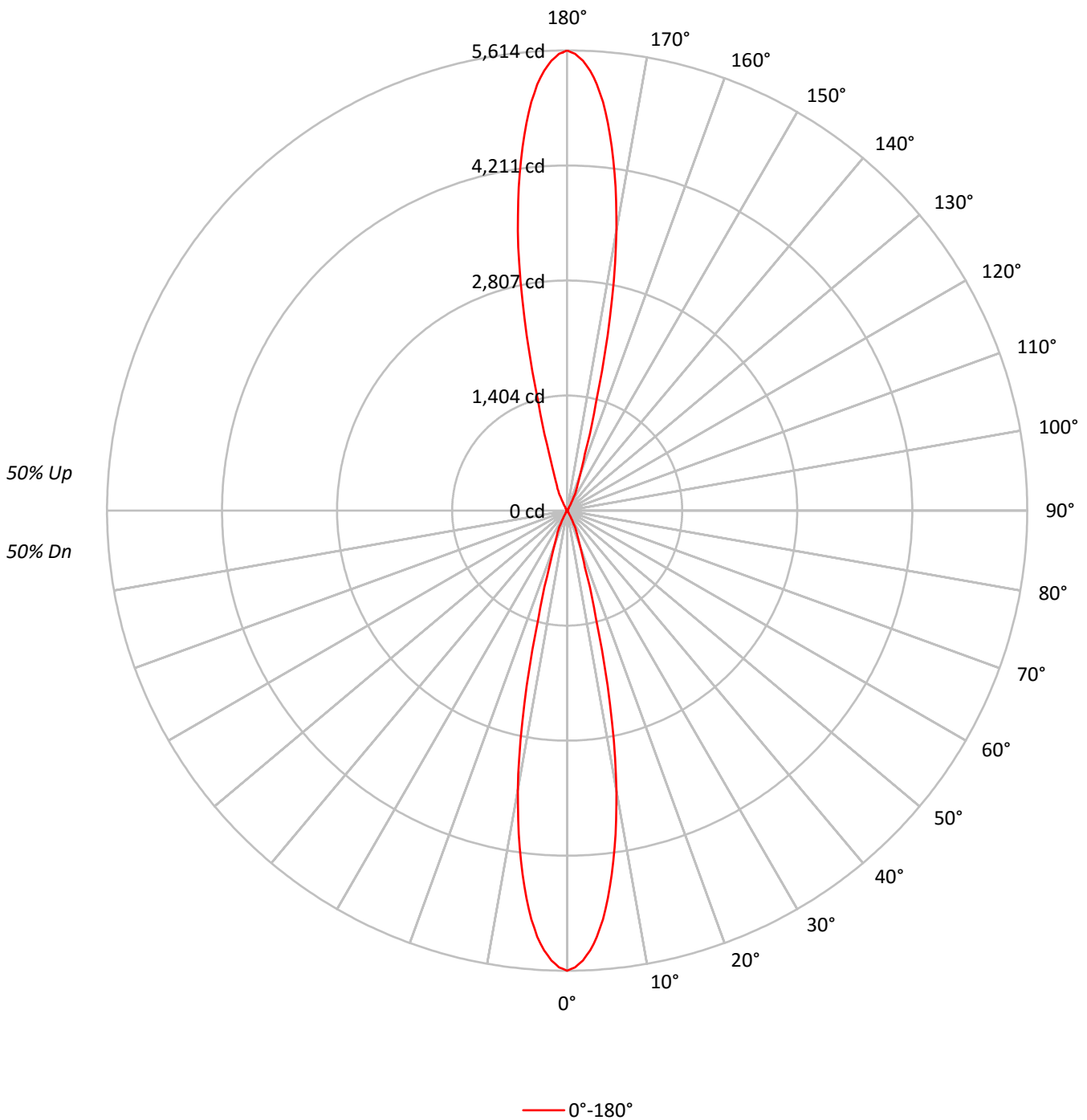
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	93	93	91	89	87	78	76	75	66	65	64	55	54	54	49				
2	95	90	86	83	89	84	81	78	73	71	69	63	61	60	53	52	52	47				
3	90	84	79	75	84	79	75	71	69	66	64	60	58	57	52	51	50	46				
4	86	78	73	69	80	74	69	66	66	62	60	58	56	54	50	49	48	45				
5	82	74	68	64	76	70	65	61	62	59	56	56	53	51	49	48	47	44				
6	78	70	64	60	73	66	61	58	60	56	54	54	51	49	48	46	45	43				
7	74	66	60	57	70	63	58	55	57	54	51	52	49	48	47	45	44	42				
8	71	63	57	54	67	60	55	52	55	52	49	50	48	46	46	44	43	41				
9	69	60	55	51	65	58	53	50	53	50	47	49	46	45	45	43	42	40				
10	66	58	53	49	63	55	51	48	51	48	46	47	45	43	44	42	41	39				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2769833
5°	2478797
10°	1735933
15°	691091
20°	236270
25°	130108
30°	27916
35°	12046
40°	6441
45°	2791
50°	1535
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.6	22.4
10°-20°	409.0	21.4
20°-30°	100.6	5.3
30°-40°	14.1	0.7
40°-50°	3.8	0.2
50°-60°	1.0	0.1
60°-70°	0.1	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°	0.1	0.0
120°-130°	1.0	0.1
130°-140°	3.8	0.2
140°-150°	14.1	0.7
150°-160°	100.6	5.3
160°-170°	409.0	21.4
170°-180°	427.6	22.4
0°-30°	937.3	49.0
0°-40°	951.3	49.7
0°-60°	956.1	50.0
0°-90°	956.2	50.0
90°-120°	0.1	0.0
90°-150°	19.0	1.0
90°-180°	956.0	50.0
0°-180°	1912.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5614	
5°	5005	428
15°	1353	409
25°	239	101
35°	20	14
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	4	4
145°	20	14
155°	239	101
165°	1353	409
175°	5005	428
180°	5614	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5614
1°	5573
2°	5491
3°	5374
4°	5214
5°	5005
6°	4754
7°	4473
8°	4156
9°	3824
10°	3465
11°	3071
12°	2637
13°	2192
14°	1750
15°	1353
17.5°	719
20°	450
22.5°	325
25°	239
27.5°	105
30°	49
32.5°	30
35°	20
37.5°	13
40°	10
42.5°	7
45°	4
47.5°	3
50°	2
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0



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CANDELA DISTRIBUTION (continued):

	0°
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	0
115°	0
117.5°	0
120°	1
122.5°	1
125°	1
127.5°	1
130°	2
132.5°	3
135°	4
137.5°	7
140°	10
142.5°	13
145°	20
147.5°	30
150°	49
152.5°	105
155°	239
157.5°	325
160°	450
162.5°	719
165°	1353
166°	1750
167°	2192
168°	2637
169°	3071
170°	3465
171°	3824
172°	4156
173°	4473
174°	4754
175°	5005
176°	5214
177°	5374
178°	5491
179°	5573



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CANDELA DISTRIBUTION (continued):

180° | $\frac{0^\circ}{5614}$

(END OF REPORT)