

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: P221284

Luminaire Tested: **9002-W2-[RW, RI]-LED5080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)
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]-LED5080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED 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: 2150.2 lumens
Efficiency: N/A
Efficacy: 107.5 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

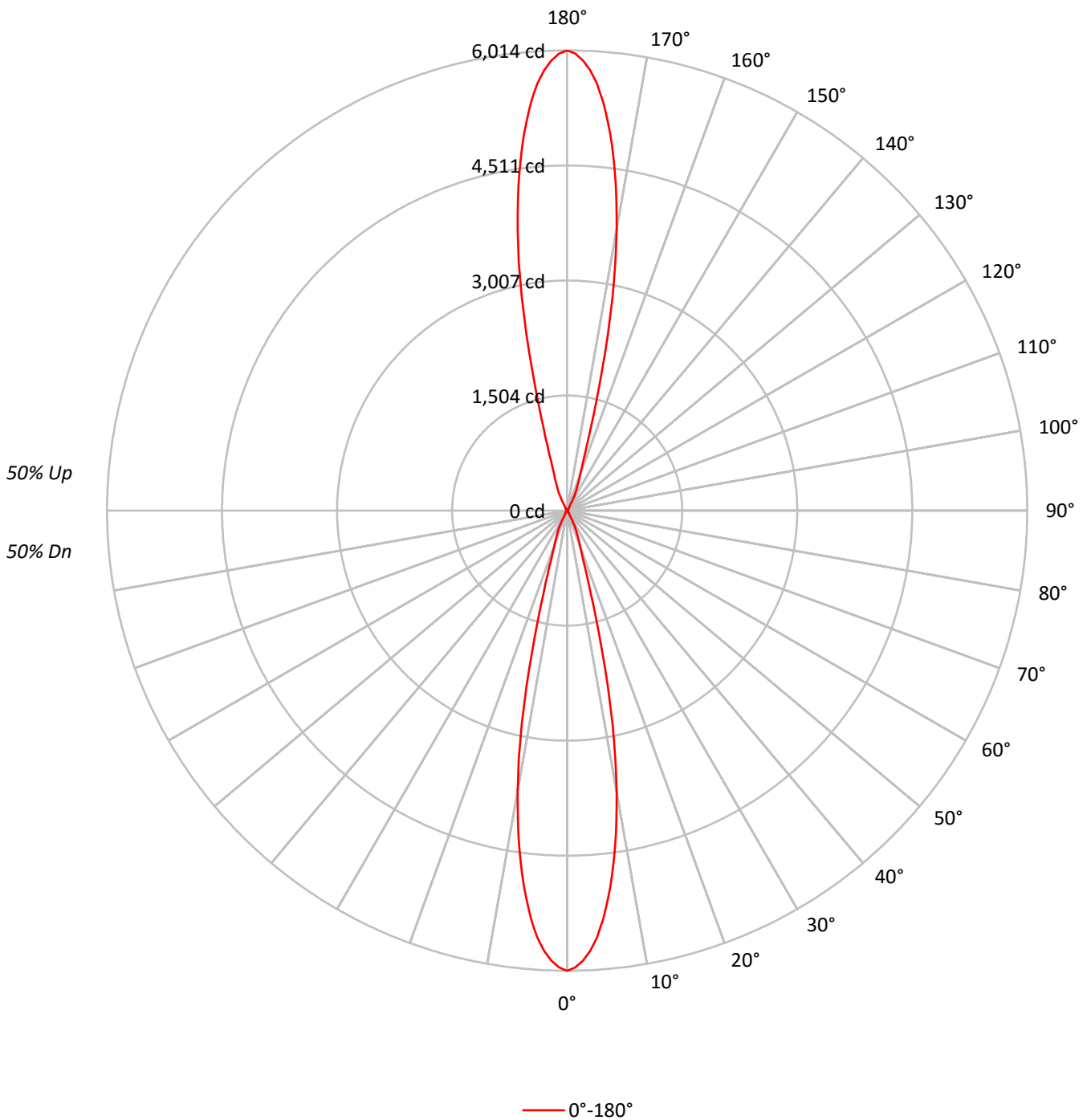
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	60	59	52	52	51	46
3	90	83	78	74	83	78	74	70	68	65	63	59	57	56	51	50	49	45
4	85	77	72	68	79	73	68	64	64	61	58	57	54	53	49	48	47	44
5	81	72	67	63	75	69	64	60	61	58	55	54	52	50	48	46	45	43
6	77	68	63	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41
7	73	65	59	55	69	62	57	53	56	52	50	50	48	46	45	44	43	40
8	70	61	56	52	66	59	54	51	54	50	47	49	46	44	44	43	41	39
9	67	59	53	50	64	56	52	48	52	48	46	47	45	43	43	42	40	39
10	65	56	51	47	62	54	49	46	50	46	44	46	43	42	42	41	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2967382
5°	2658628
10°	1867293
15°	745030
20°	256221
25°	142629
30°	34809
35°	19093
40°	14041
45°	12978
50°	12588
55°	13161
60°	12927
65°	12725
70°	12550
75°	12581
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	21.4
10°-20°	435.4	20.3
20°-30°	110.3	5.1
30°-40°	21.5	1.0
40°-50°	14.4	0.7
50°-60°	13.6	0.6
60°-70°	10.8	0.5
70°-80°	7.2	0.3
80°-90°	2.4	0.1
90°-100°	2.4	0.1
100°-110°	7.2	0.3
110°-120°	10.8	0.5
120°-130°	13.6	0.6
130°-140°	14.4	0.7
140°-150°	21.5	1.0
150°-160°	110.3	5.1
160°-170°	435.4	20.3
170°-180°	459.4	21.4
0°-30°	1005.2	46.7
0°-40°	1026.7	47.7
0°-60°	1054.7	49.1
0°-90°	1075.1	50.0
90°-120°	20.4	0.9
90°-150°	69.9	3.3
90°-180°	1075.0	50.0
0°-180°	2150.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6014	
5°	5368	459
15°	1459	435
25°	262	110
35°	32	21
45°	19	14
55°	15	14
65°	11	11
75°	7	7
85°	2	2
90°	0	0
95°	2	2
105°	7	7
115°	11	11
125°	15	14
135°	19	14
145°	32	21
155°	262	110
165°	1459	435
175°	5368	459
180°	6014	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6014.4
1°	5972.9
2°	5886.6
3°	5762.2
4°	5590.8
5°	5368.1
6°	5106.0
7°	4809.1
8°	4477.2
9°	4113.7
10°	3727.2
11°	3308.0
12°	2844.0
13°	2361.4
14°	1882.1
15°	1458.6
16°	1117.9
17°	869.0
18°	694.3
19°	573.2
20°	488.0
22.5°	354.8
25°	262.0
26°	210.7
27°	148.5
28°	99.3
29°	74.2
30°	61.1
32.5°	41.5
35°	31.7
37.5°	25.1
40°	21.8
42.5°	19.7
45°	18.6
47.5°	17.5
50°	16.4
52.5°	16.4
55°	15.3
57.5°	14.2
60°	13.1
62.5°	12.0
65°	10.9
67.5°	9.8
70°	8.7
72.5°	7.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	6.6
77.5°	6.6
80°	4.4
82.5°	3.3
85°	2.2
87.5°	1.1
90°	0.0
92.5°	1.1
95°	2.2
97.5°	3.3
100°	4.4
102.5°	6.6
105°	6.6
107.5°	7.6
110°	8.7
112.5°	9.8
115°	10.9
117.5°	12.0
120°	13.1
122.5°	14.2
125°	15.3
127.5°	16.4
130°	16.4
132.5°	17.5
135°	18.6
137.5°	19.7
140°	21.8
142.5°	25.1
145°	31.7
147.5°	41.5
150°	61.1
151°	74.2
152°	99.3
153°	148.5
154°	210.7
155°	262.0
157.5°	354.8
160°	488.0
161°	573.2
162°	694.3
163°	869.0
164°	1117.9
165°	1458.6
166°	1882.1
167°	2361.4



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CANDELA DISTRIBUTION (continued):

	0°
168°	2844.0
169°	3308.0
170°	3727.2
171°	4113.7
172°	4477.2
173°	4809.1
174°	5106.0
175°	5368.1
176°	5590.8
177°	5762.2
178°	5886.6
179°	5972.9
180°	6014.4

(END OF REPORT)