

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: P221282

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2272.7 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

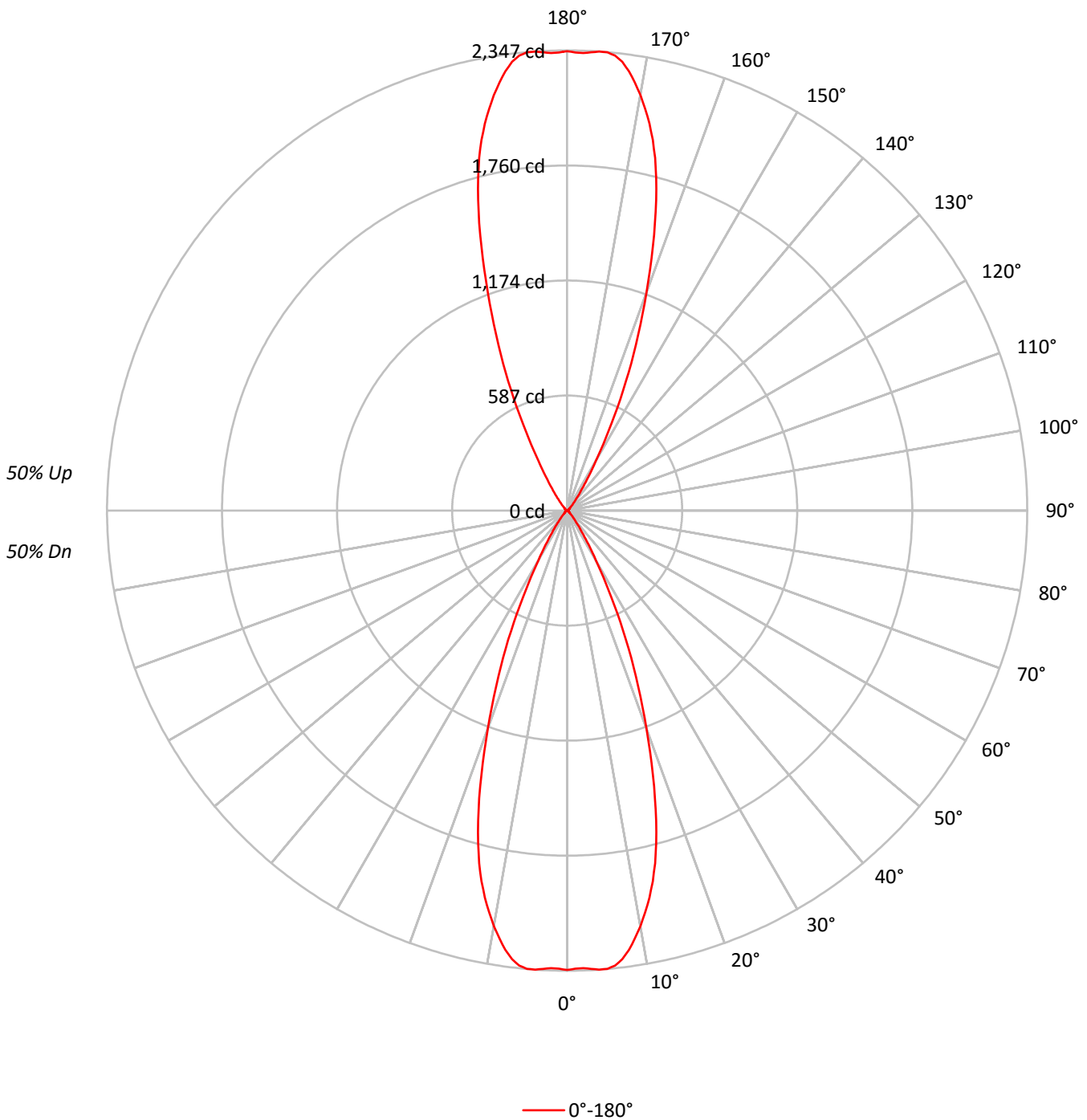
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	85	77	75	74	65	64	63	54	53	52	47
2	94	89	84	80	87	82	79	75	71	69	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60	57	55	53	49	47	46	43
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51	51	48	46	45	43	41	39
6	74	65	58	54	69	61	56	52	55	51	47	48	46	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	44	46	43	41	41	39	37	35
8	66	57	51	46	62	54	49	45	49	45	42	44	41	39	39	37	36	34
9	63	53	47	43	59	51	46	42	46	42	39	42	39	37	38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37	40	37	35	36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1155939
5°	1161939
10°	1078032
15°	897243
20°	620234
25°	367895
30°	166696
35°	74324
40°	33749
45°	17513
50°	11744
55°	11268
60°	10756
65°	10157
70°	10963
75°	12581
80°	12502
85°	12454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	9.6
10°-20°	472.9	20.8
20°-30°	309.1	13.6
30°-40°	85.5	3.8
40°-50°	21.6	1.0
50°-60°	11.5	0.5
60°-70°	9.0	0.4
70°-80°	6.5	0.3
80°-90°	2.4	0.1
90°-100°	2.4	0.1
100°-110°	6.5	0.3
110°-120°	9.0	0.4
120°-130°	11.5	0.5
130°-140°	21.6	1.0
140°-150°	85.5	3.8
150°-160°	309.1	13.6
160°-170°	472.9	20.8
170°-180°	217.8	9.6
0°-30°	999.8	44.0
0°-40°	1085.3	47.8
0°-60°	1118.4	49.2
0°-90°	1136.3	50.0
90°-120°	17.9	0.8
90°-150°	136.5	6.0
90°-180°	1136.0	50.0
0°-180°	2272.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2343	
5°	2346	218
15°	1757	473
25°	676	309
35°	123	85
45°	25	22
55°	13	11
65°	9	9
75°	7	7
85°	2	2
90°	0	0
95°	2	2
105°	7	7
115°	9	9
125°	13	11
135°	25	22
145°	123	85
155°	676	309
165°	1757	473
175°	2346	218
180°	2343	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2342.9
1°	2337.4
2°	2335.2
3°	2340.7
4°	2347.2
5°	2346.1
6°	2333.0
7°	2305.8
8°	2263.2
9°	2209.7
10°	2151.8
11°	2087.4
12°	2017.5
13°	1941.1
14°	1853.8
15°	1756.6
16°	1647.4
17°	1532.8
18°	1414.9
19°	1298.1
20°	1181.3
22.5°	914.9
25°	675.8
26°	587.4
27°	498.9
28°	420.3
29°	349.4
30°	292.6
32.5°	186.7
35°	123.4
37.5°	79.7
40°	52.4
42.5°	36.0
45°	25.1
47.5°	18.6
50°	15.3
52.5°	13.1
55°	13.1
57.5°	12.0
60°	10.9
62.5°	9.8
65°	8.7
67.5°	8.7
70°	7.6
72.5°	6.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	6.6
77.5°	5.5
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°	5.5
105°	6.6
107.5°	6.6
110°	7.6
112.5°	8.7
115°	8.7
117.5°	9.8
120°	10.9
122.5°	12.0
125°	13.1
127.5°	13.1
130°	15.3
132.5°	18.6
135°	25.1
137.5°	36.0
140°	52.4
142.5°	79.7
145°	123.4
147.5°	186.7
150°	292.6
151°	349.4
152°	420.3
153°	498.9
154°	587.4
155°	675.8
157.5°	914.9
160°	1181.3
161°	1298.1
162°	1414.9
163°	1532.8
164°	1647.4
165°	1756.6
166°	1853.8
167°	1941.1



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CANDELA DISTRIBUTION (continued):

	0°
168°	2017.5
169°	2087.4
170°	2151.8
171°	2209.7
172°	2263.2
173°	2305.8
174°	2333.0
175°	2346.1
176°	2347.2
177°	2340.7
178°	2335.2
179°	2337.4
180°	2342.9

(END OF REPORT)