

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: P221266

Luminaire Tested: **9002-W2-[RW, RI]-LED4080-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221266
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]-LED4080-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2081.6 lumens
Efficiency: N/A
Efficacy: 104.1 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

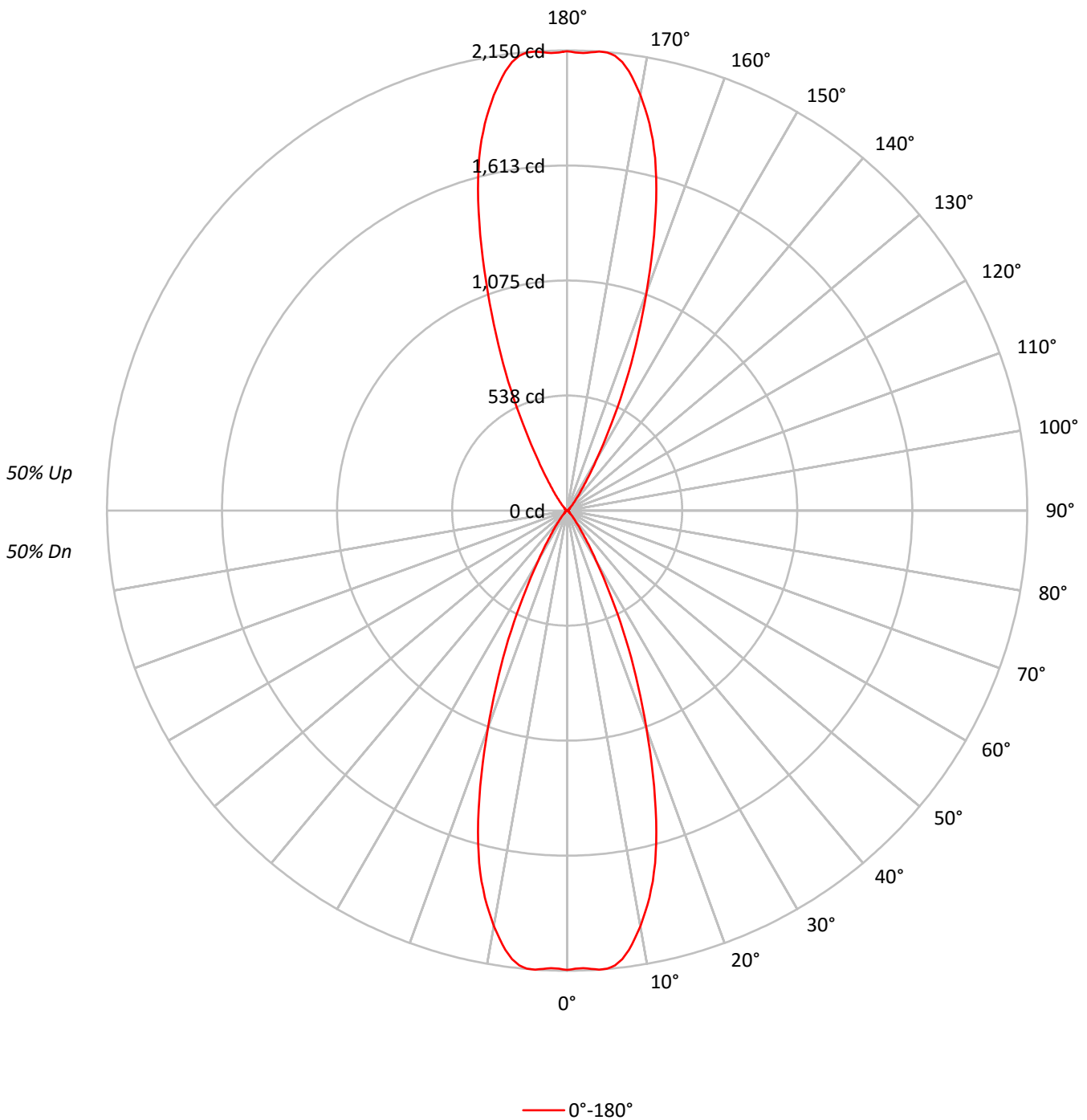
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	48	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°	1058793
5°	1064323
10°	987453
15°	821852
20°	568097
25°	336974
30°	152681
35°	68060
40°	30915
45°	16048
50°	10746
55°	10322
60°	9868
65°	9339
70°	10098
75°	11438
80°	11365
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	9.6
10°-20°	433.2	20.8
20°-30°	283.1	13.6
30°-40°	78.3	3.8
40°-50°	19.8	1.0
50°-60°	10.5	0.5
60°-70°	8.3	0.4
70°-80°	5.9	0.3
80°-90°	2.2	0.1
90°-100°	2.2	0.1
100°-110°	5.9	0.3
110°-120°	8.3	0.4
120°-130°	10.5	0.5
130°-140°	19.8	1.0
140°-150°	78.3	3.8
150°-160°	283.1	13.6
160°-170°	433.2	20.8
170°-180°	199.5	9.6
0°-30°	915.8	44.0
0°-40°	994.1	47.8
0°-60°	1024.4	49.2
0°-90°	1040.8	50.0
90°-120°	16.4	0.8
90°-150°	125.0	6.0
90°-180°	1041.0	50.0
0°-180°	2081.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2146	
5°	2149	200
15°	1609	433
25°	619	283
35°	113	78
45°	23	20
55°	12	11
65°	8	8
75°	6	6
85°	2	2
90°	0	0
95°	2	2
105°	6	6
115°	8	8
125°	12	11
135°	23	20
145°	113	78
155°	619	283
165°	1609	433
175°	2149	200
180°	2146	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2146
1°	2141
2°	2139
3°	2144
4°	2150
5°	2149
6°	2137
7°	2112
8°	2073
9°	2024
10°	1971
11°	1912
12°	1848
13°	1778
14°	1698
15°	1609
16°	1509
17°	1404
18°	1296
19°	1189
20°	1082
22.5°	838
25°	619
26°	538
27°	457
28°	385
29°	320
30°	268
32.5°	171
35°	113
37.5°	73
40°	48
42.5°	33
45°	23
47.5°	17
50°	14
52.5°	12
55°	12
57.5°	11
60°	10
62.5°	9
65°	8
67.5°	8
70°	7
72.5°	6



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CANDELA DISTRIBUTION (continued):

	0°
75°	6
77.5°	5
80°	4
82.5°	3
85°	2
87.5°	1
90°	0
92.5°	1
95°	2
97.5°	3
100°	4
102.5°	5
105°	6
107.5°	6
110°	7
112.5°	8
115°	8
117.5°	9
120°	10
122.5°	11
125°	12
127.5°	12
130°	14
132.5°	17
135°	23
137.5°	33
140°	48
142.5°	73
145°	113
147.5°	171
150°	268
151°	320
152°	385
153°	457
154°	538
155°	619
157.5°	838
160°	1082
161°	1189
162°	1296
163°	1404
164°	1509
165°	1609
166°	1698
167°	1778



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CANDELA DISTRIBUTION (continued):

	0°
168°	1848
169°	1912
170°	1971
171°	2024
172°	2073
173°	2112
174°	2137
175°	2149
176°	2150
177°	2144
178°	2139
179°	2141
180°	2146

(END OF REPORT)