

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: P221265

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29415)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

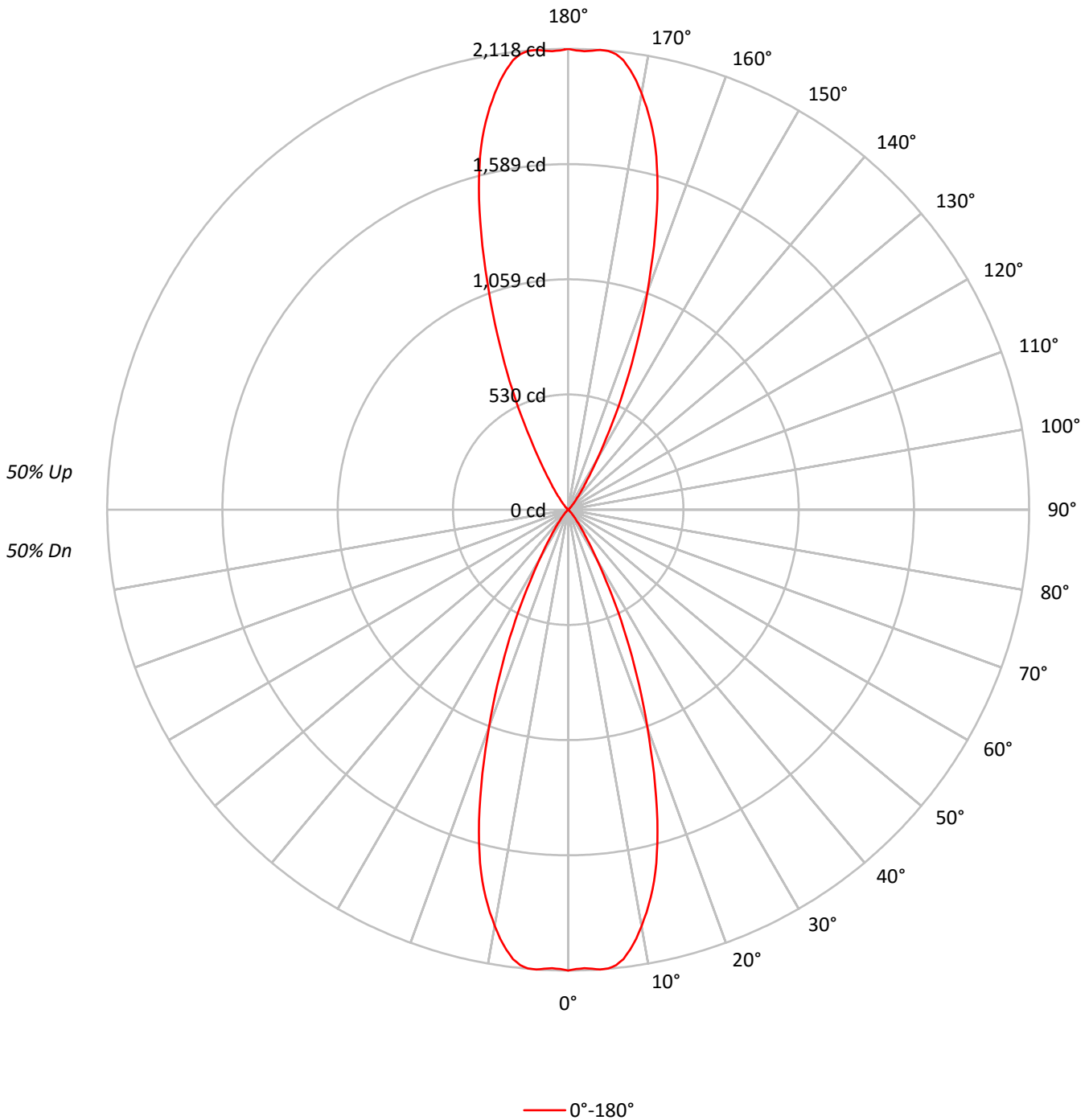
Lumens per Lamp: N/A
Luminaire Lumens: 1970.9 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

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	101	97	95	92	93	90	88	86	77	76	74	65	64	63	54	53	53	48
2	94	89	85	81	87	83	79	76	72	69	67	61	60	58	52	51	50	46
3	89	82	76	72	82	77	72	68	67	64	61	58	56	54	50	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56	55	52	50	47	46	45	41
5	79	70	64	60	74	66	61	57	59	55	52	52	49	47	45	44	42	40
6	75	65	59	55	70	62	57	53	55	51	49	49	47	44	44	42	40	38
7	71	61	55	51	66	58	53	49	52	48	46	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	54	48	45	60	52	47	43	47	43	40	43	40	38	39	37	35	33
10	61	51	46	42	57	49	44	41	45	41	38	41	38	36	37	35	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1044978
5°	1048474
10°	973425
15°	809082
20°	557596
25°	328808
30°	146984
35°	62640
40°	25118
45°	9071
50°	3070
55°	860
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	10.0
10°-20°	426.5	21.6
20°-30°	276.4	14.0
30°-40°	72.6	3.7
40°-50°	12.1	0.6
50°-60°	1.3	0.1
60°-70°	0.0	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°	0.0	0.0
120°-130°	1.3	0.1
130°-140°	12.1	0.6
140°-150°	72.6	3.7
150°-160°	276.4	14.0
160°-170°	426.5	21.6
170°-180°	196.6	10.0
0°-30°	899.4	45.6
0°-40°	972.0	49.3
0°-60°	985.5	50.0
0°-90°	985.5	50.0
90°-120°	0.0	0.0
90°-150°	86.0	4.4
90°-180°	985.0	50.0
0°-180°	1970.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2118	
5°	2117	197
15°	1584	426
25°	604	276
35°	104	73
45°	13	12
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°	13	12
145°	104	73
155°	604	276
165°	1584	426
175°	2117	197
180°	2118	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2118
1°	2111
2°	2109
3°	2113
4°	2118
5°	2117
6°	2105
7°	2081
8°	2042
9°	1996
10°	1943
11°	1885
12°	1822
13°	1753
14°	1673
15°	1584
16°	1486
17°	1382
18°	1275
19°	1166
20°	1062
22.5°	821
25°	604
26°	524
27°	444
28°	372
29°	310
30°	258
32.5°	162
35°	104
37.5°	64
40°	39
42.5°	23
45°	13
47.5°	7
50°	4
52.5°	2
55°	1
57.5°	1
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	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°	0
122.5°	1
125°	1
127.5°	2
130°	4
132.5°	7
135°	13
137.5°	23
140°	39
142.5°	64
145°	104
147.5°	162
150°	258
151°	310
152°	372
153°	444
154°	524
155°	604
157.5°	821
160°	1062
161°	1166
162°	1275
163°	1382
164°	1486
165°	1584
166°	1673
167°	1753



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CANDELA DISTRIBUTION (continued):

	0°
168°	1822
169°	1885
170°	1943
171°	1996
172°	2042
173°	2081
174°	2105
175°	2117
176°	2118
177°	2113
178°	2109
179°	2111
180°	2118

(END OF REPORT)