

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: P221268

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221268
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]-LED4080-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1969.4 lumens
Efficiency: N/A
Efficacy: 98.5 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

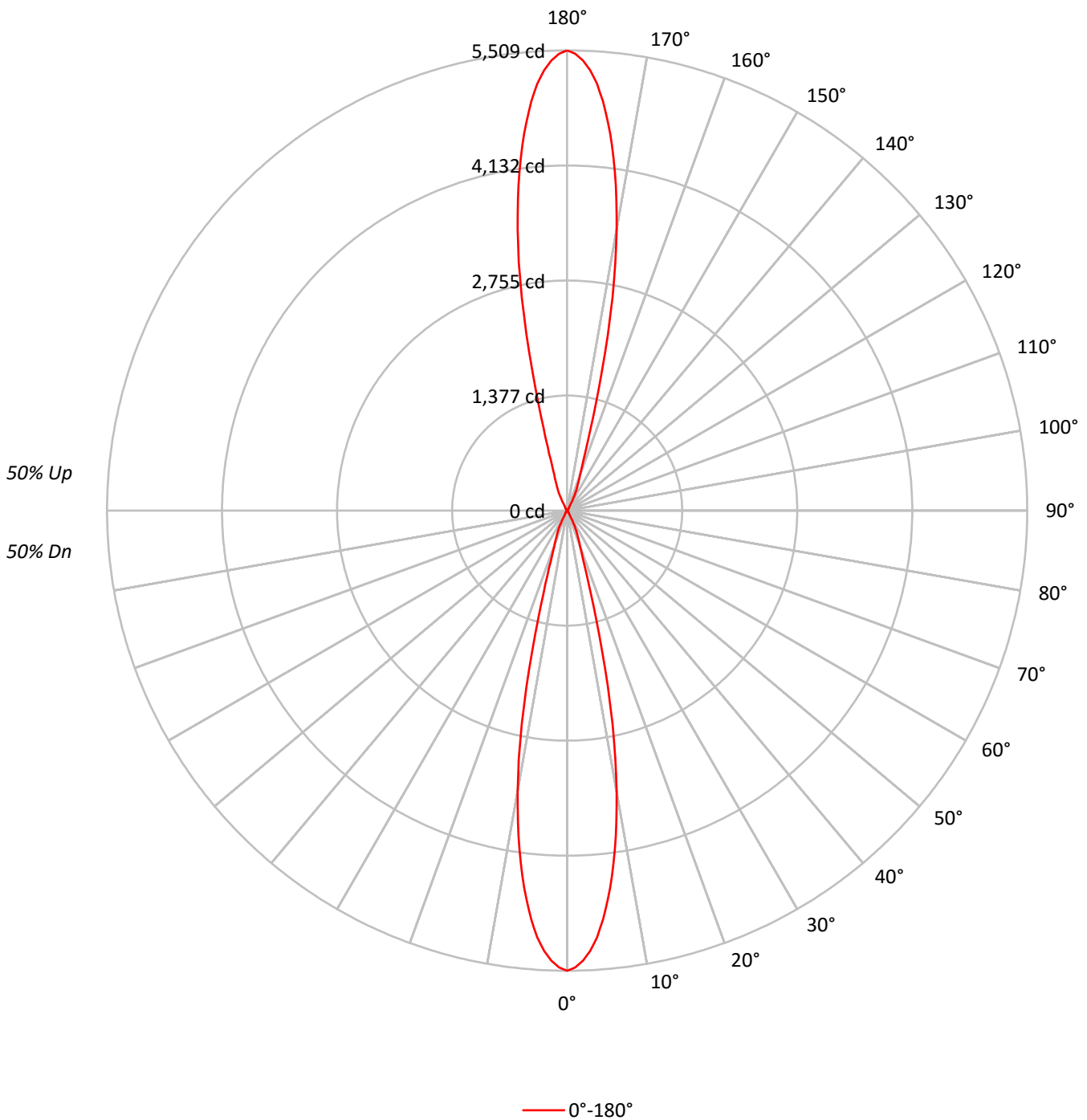
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2718028
5°	2435214
10°	1710382
15°	682408
20°	234694
25°	130652
30°	31904
35°	17467
40°	12881
45°	11862
50°	11513
55°	12043
60°	11841
65°	11674
70°	11540
75°	11438
80°	11365
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.8	21.4
10°-20°	398.9	20.3
20°-30°	101.1	5.1
30°-40°	19.7	1.0
40°-50°	13.2	0.7
50°-60°	12.4	0.6
60°-70°	9.9	0.5
70°-80°	6.6	0.3
80°-90°	2.2	0.1
90°-100°	2.2	0.1
100°-110°	6.6	0.3
110°-120°	9.9	0.5
120°-130°	12.4	0.6
130°-140°	13.2	0.7
140°-150°	19.7	1.0
150°-160°	101.1	5.1
160°-170°	398.9	20.3
170°-180°	420.8	21.4
0°-30°	920.7	46.8
0°-40°	940.4	47.8
0°-60°	966.0	49.1
0°-90°	984.7	50.0
90°-120°	18.7	0.9
90°-150°	64.0	3.2
90°-180°	985.0	50.0
0°-180°	1969.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5509	
5°	4917	421
15°	1336	399
25°	240	101
35°	29	20
45°	17	13
55°	14	12
65°	10	10
75°	6	7
85°	2	2
90°	0	0
95°	2	2
105°	6	7
115°	10	10
125°	14	12
135°	17	13
145°	29	20
155°	240	101
165°	1336	399
175°	4917	421
180°	5509	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5509
1°	5471
2°	5392
3°	5278
4°	5121
5°	4917
6°	4677
7°	4405
8°	4101
9°	3768
10°	3414
11°	3030
12°	2605
13°	2163
14°	1724
15°	1336
16°	1024
17°	796
18°	636
19°	525
20°	447
22.5°	325
25°	240
26°	193
27°	136
28°	91
29°	68
30°	56
32.5°	38
35°	29
37.5°	23
40°	20
42.5°	18
45°	17
47.5°	16
50°	15
52.5°	15
55°	14
57.5°	13
60°	12
62.5°	11
65°	10
67.5°	9
70°	8
72.5°	7



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CANDELA DISTRIBUTION (continued):

	0°
75°	6
77.5°	6
80°	4
82.5°	3
85°	2
87.5°	1
90°	0
92.5°	1
95°	2
97.5°	3
100°	4
102.5°	6
105°	6
107.5°	7
110°	8
112.5°	9
115°	10
117.5°	11
120°	12
122.5°	13
125°	14
127.5°	15
130°	15
132.5°	16
135°	17
137.5°	18
140°	20
142.5°	23
145°	29
147.5°	38
150°	56
151°	68
152°	91
153°	136
154°	193
155°	240
157.5°	325
160°	447
161°	525
162°	636
163°	796
164°	1024
165°	1336
166°	1724
167°	2163



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CANDELA DISTRIBUTION (continued):

	0°
168°	2605
169°	3030
170°	3414
171°	3768
172°	4101
173°	4405
174°	4677
175°	4917
176°	5121
177°	5278
178°	5392
179°	5471
180°	5509

(END OF REPORT)