

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: P221271

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)
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-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1808.5 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

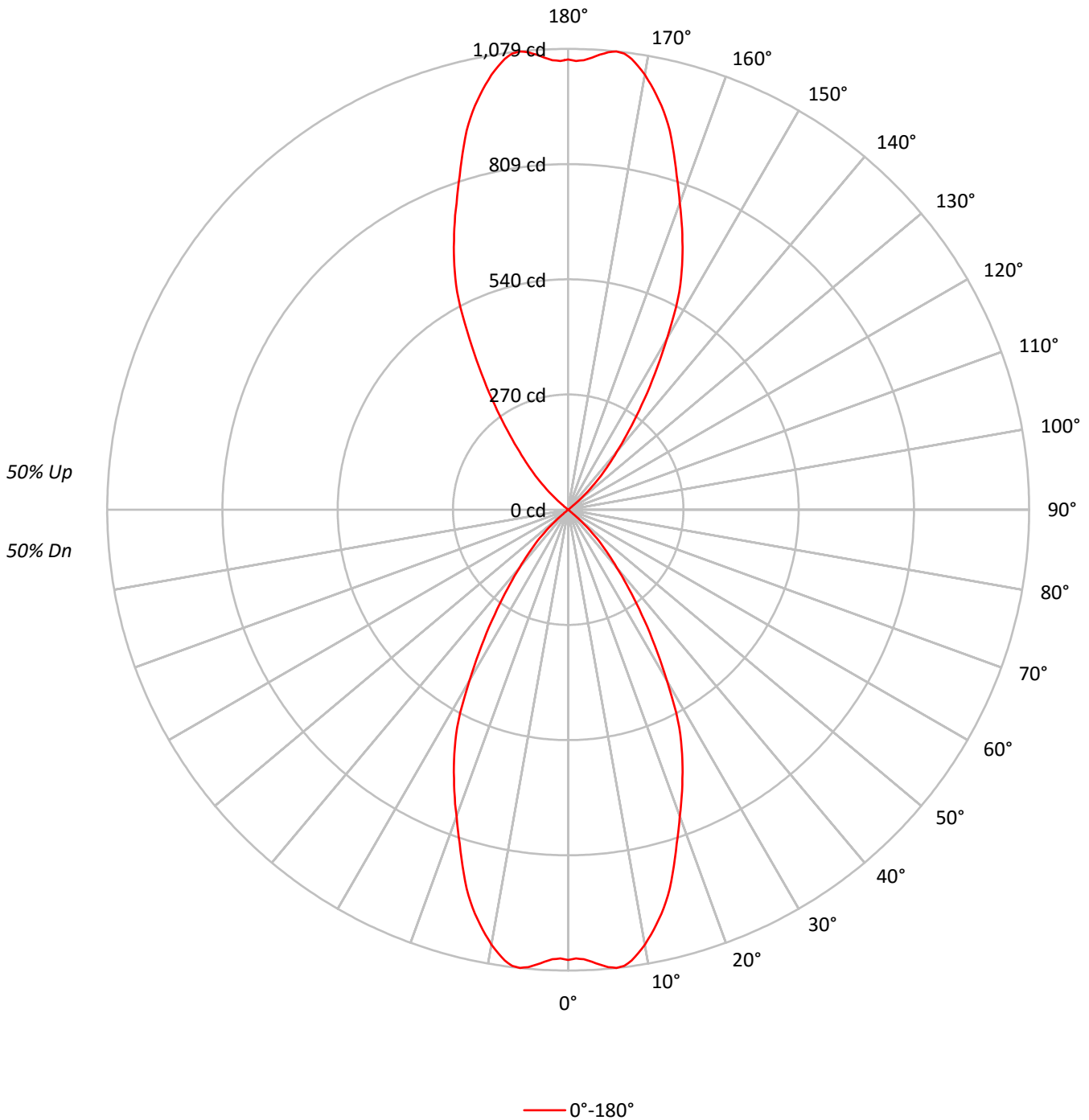
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	92	90	87	85	77	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	82	78	74	70	67	65		60	58	56		50	49	48	44
3	87	80	74	69	81	75	70	66	65	61	58		56	53	51		47	46	44	41
4	81	73	67	62	76	68	63	59	60	56	53		52	49	47		45	43	41	38
5	76	67	60	55	71	63	57	53	55	51	48		48	45	43		42	40	38	35
6	71	61	55	50	67	58	52	48	51	47	44		45	42	40		40	37	36	33
7	67	57	50	46	63	54	48	44	48	43	40		42	39	37		37	35	33	31
8	63	53	46	42	59	50	44	40	45	40	37		40	37	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	38	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	34	39	35	32		35	32	30		32	29	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	520022
5°	532409
10°	518024
15°	469411
20°	401133
25°	343506
30°	263204
35°	180692
40°	113999
45°	66286
50°	13816
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°	101.5	5.6
10°-20°	253.7	14.0
20°-30°	284.9	15.8
30°-40°	189.6	10.5
40°-50°	71.8	4.0
50°-60°	2.8	0.2
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°	2.8	0.2
130°-140°	71.8	4.0
140°-150°	189.6	10.5
150°-160°	284.9	15.8
160°-170°	253.7	14.0
170°-180°	101.5	5.6
0°-30°	640.1	35.4
0°-40°	829.7	45.9
0°-60°	904.3	50.0
0°-90°	904.3	50.0
90°-120°	0.0	0.0
90°-150°	264.2	14.6
90°-180°	904.0	50.0
0°-180°	1808.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1054	
5°	1075	101
15°	919	254
25°	631	285
35°	300	190
45°	95	72
55°	1	3
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	3
135°	95	72
145°	300	190
155°	631	285
165°	919	254
175°	1075	101
180°	1054	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1054
1°	1051
2°	1053
3°	1060
4°	1068
5°	1075
6°	1079
7°	1076
8°	1066
9°	1051
10°	1034
11°	1014
12°	993
13°	971
14°	946
15°	919
16°	887
17°	854
18°	822
19°	793
20°	764
21°	738
22°	711
23°	684
24°	658
25°	631
26°	603
27°	572
28°	538
29°	499
30°	462
32.5°	377
35°	300
37.5°	233
40°	177
42.5°	133
45°	95
47.5°	54
50°	18
52.5°	2
55°	1
57.5°	1
60°	0
62.5°	0
65°	0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0
70°	0
72.5°	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°	18
132.5°	54
135°	95
137.5°	133
140°	177
142.5°	233
145°	300
147.5°	377
150°	462
151°	499
152°	538
153°	572
154°	603
155°	631
156°	658
157°	684
158°	711
159°	738
160°	764
161°	793



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CANDELA DISTRIBUTION (continued):

	0°
162°	822
163°	854
164°	887
165°	919
166°	946
167°	971
168°	993
169°	1014
170°	1034
171°	1051
172°	1066
173°	1076
174°	1079
175°	1075
176°	1068
177°	1060
178°	1053
179°	1051
180°	1054

(END OF REPORT)