

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: P221489

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-S-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED4080-S-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1646.6 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

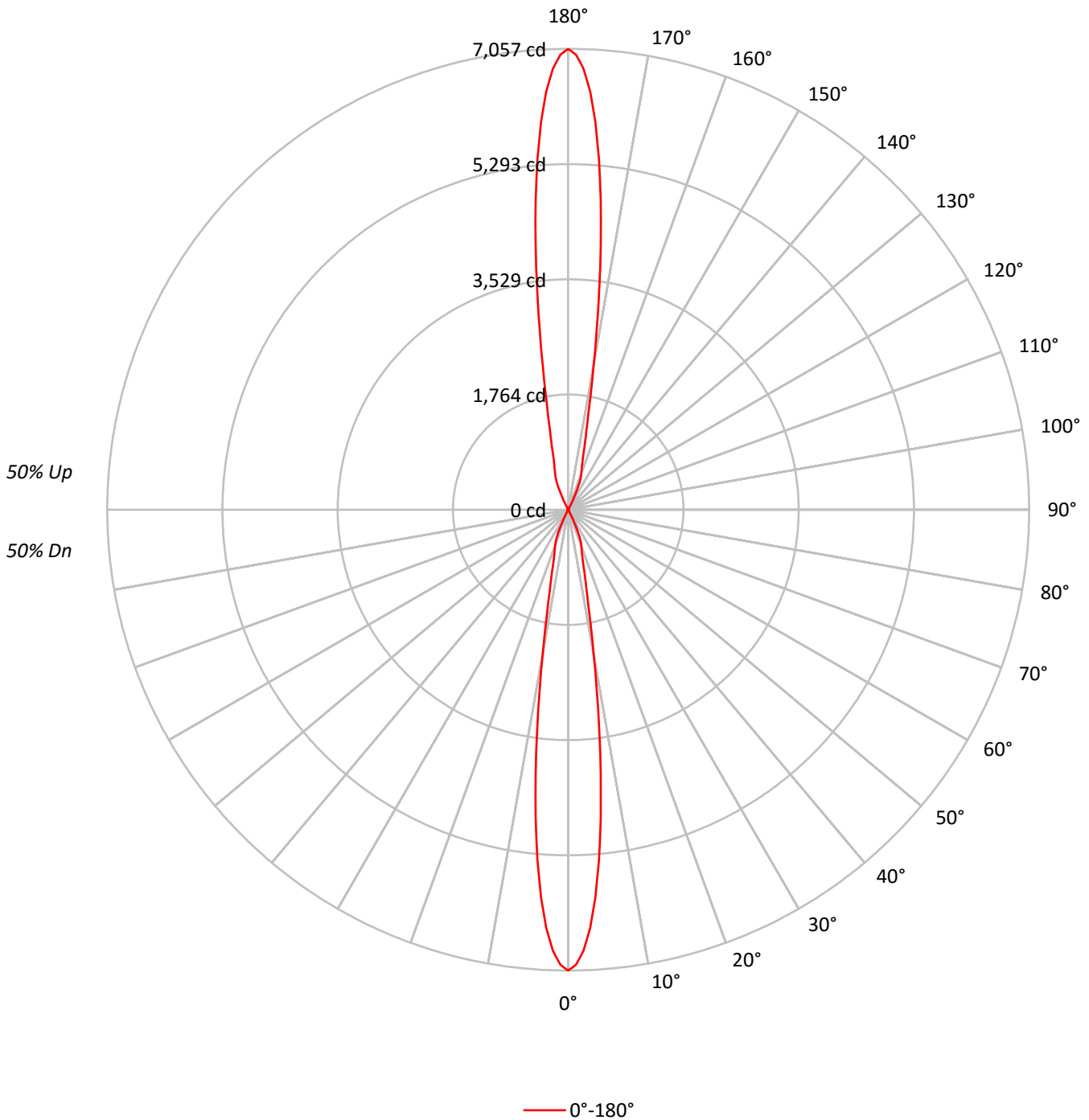
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	95	93	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1547508
5°	1185535
10°	497341
15°	209899
20°	136535
25°	59834
30°	8103
35°	3052
40°	2176
45°	1675
50°	1467
55°	1453
60°	1184
65°	830
70°	321
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.5	24.6
10°-20°	282.7	17.2
20°-30°	116.5	7.1
30°-40°	9.2	0.6
40°-50°	4.4	0.3
50°-60°	3.2	0.2
60°-70°	1.6	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	1.6	0.1
120°-130°	3.2	0.2
130°-140°	4.4	0.3
140°-150°	9.2	0.6
150°-160°	116.5	7.1
160°-170°	282.7	17.2
170°-180°	405.5	24.6
0°-30°	804.7	48.9
0°-40°	813.9	49.4
0°-60°	821.5	49.9
0°-90°	823.3	50.0
90°-120°	1.9	0.1
90°-150°	18.7	1.1
90°-180°	823.0	50.0
0°-180°	1646.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7057	
5°	5386	405
15°	925	283
25°	247	117
35°	11	9
45°	5	4
55°	4	3
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	2	2
125°	4	3
135°	5	4
145°	11	9
155°	247	117
165°	925	283
175°	5386	405
180°	7057	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7057.2
1°	6967.1
2°	6756.2
3°	6412.9
4°	5954.7
5°	5385.9
6°	4753.0
7°	4089.8
8°	3407.7
9°	2782.4
10°	2233.6
11°	1799.3
12°	1477.7
13°	1240.7
14°	1067.7
15°	924.6
16°	809.1
17°	733.7
18°	675.7
19°	624.7
20°	585.1
21°	548.8
22°	493.5
23°	418.1
24°	332.4
25°	247.3
26°	171.9
27°	103.0
28°	57.5
29°	38.5
30°	32.0
32.5°	20.6
35°	11.4
37.5°	8.7
40°	7.6
42.5°	6.5
45°	5.4
47.5°	4.9
50°	4.3
52.5°	3.8
55°	3.8
57.5°	3.3
60°	2.7
62.5°	2.2
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.5
72.5°	0.5
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.5
110°	0.5
112.5°	1.1
115°	1.6
117.5°	2.2
120°	2.7
122.5°	3.3
125°	3.8
127.5°	3.8
130°	4.3
132.5°	4.9
135°	5.4
137.5°	6.5
140°	7.6
142.5°	8.7
145°	11.4
147.5°	20.6
150°	32.0
151°	38.5
152°	57.5
153°	103.0
154°	171.9
155°	247.3
156°	332.4
157°	418.1
158°	493.5
159°	548.8
160°	585.1
161°	624.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	675.7
163°	733.7
164°	809.1
165°	924.6
166°	1067.7
167°	1240.7
168°	1477.7
169°	1799.3
170°	2233.6
171°	2782.4
172°	3407.7
173°	4089.8
174°	4753.0
175°	5385.9
176°	5954.7
177°	6412.9
178°	6756.2
179°	6967.1
180°	7057.2

(END OF REPORT)