

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: P221491

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1950.0 lumens
Efficiency: N/A
Efficacy: 99.5 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

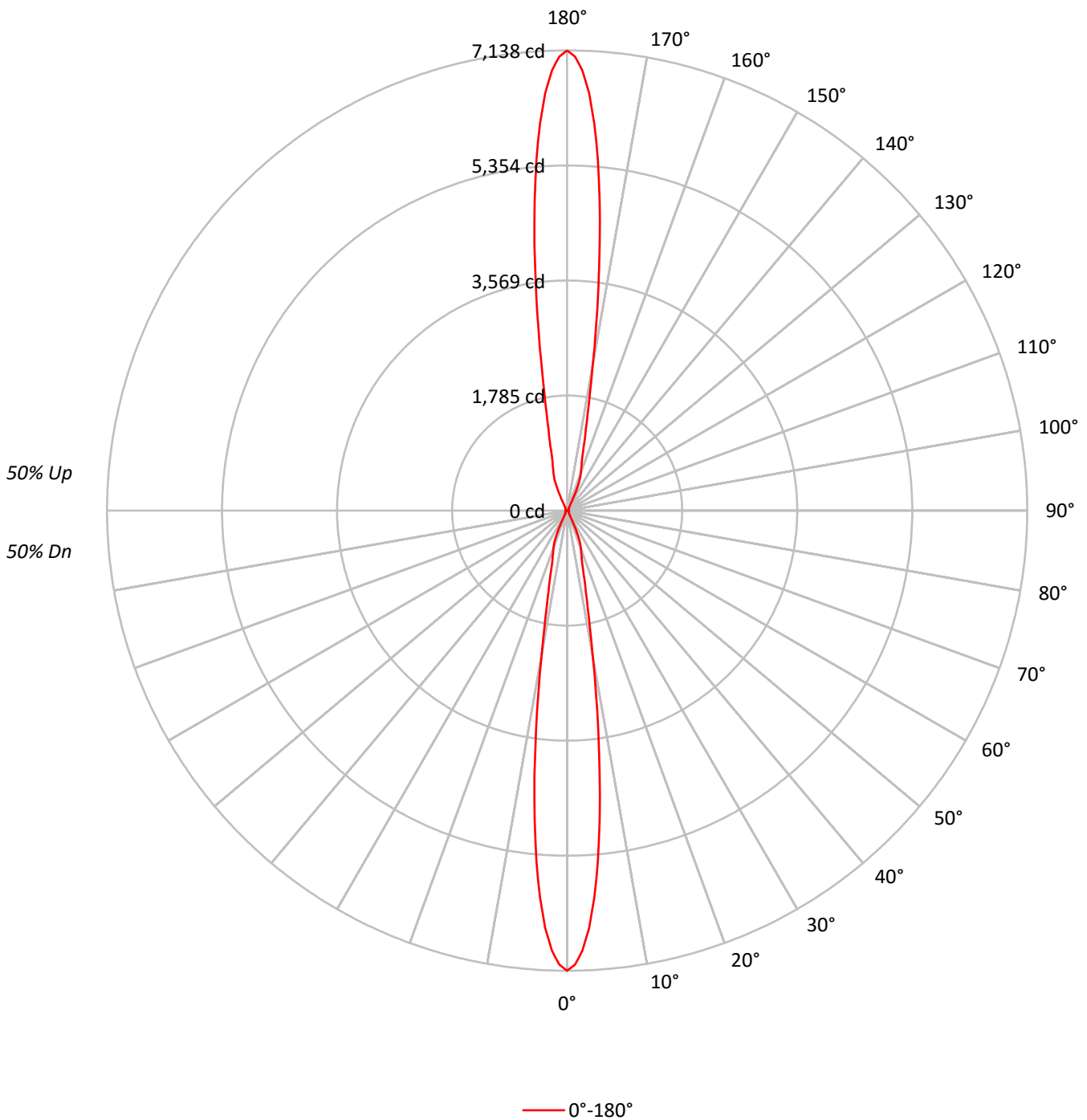
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	53	51		48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53		52	50	48		46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47		48	46	44		43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45		47	44	42		42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43		45	42	40		41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1565225
5°	1202484
10°	509788
15°	218753
20°	145519
25°	69270
30°	17015
35°	12635
40°	12108
45°	12094
50°	12383
55°	13878
60°	14034
65°	12920
70°	10771
75°	9658
80°	10986
85°	10819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.8	21.1
10°-20°	294.7	15.1
20°-30°	133.3	6.8
30°-40°	31.5	1.6
40°-50°	30.2	1.5
50°-60°	31.8	1.6
60°-70°	24.5	1.3
70°-80°	12.7	0.7
80°-90°	4.6	0.2
90°-100°	4.6	0.2
100°-110°	12.7	0.7
110°-120°	24.5	1.3
120°-130°	31.8	1.6
130°-140°	30.2	1.5
140°-150°	31.5	1.6
150°-160°	133.3	6.8
160°-170°	294.7	15.1
170°-180°	411.8	21.1
0°-30°	839.8	43.1
0°-40°	871.2	44.7
0°-60°	933.2	47.9
0°-90°	975.0	50.0
90°-120°	41.8	2.1
90°-150°	135.2	6.9
90°-180°	975.0	50.0
0°-180°	1950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7138	
5°	5463	412
15°	964	295
25°	286	133
35°	47	31
45°	39	30
55°	36	32
65°	25	25
75°	11	13
85°	4	4
90°	0	0
95°	4	4
105°	11	13
115°	25	25
125°	36	32
135°	39	30
145°	47	31
155°	286	133
165°	964	295
175°	5463	412
180°	7138	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7138.0
1°	7044.7
2°	6827.8
3°	6484.0
4°	6021.4
5°	5462.9
6°	4823.0
7°	4152.7
8°	3475.4
9°	2842.6
10°	2289.5
11°	1849.2
12°	1527.0
13°	1290.6
14°	1105.7
15°	963.6
16°	849.2
17°	772.2
18°	714.7
19°	664.8
20°	623.6
22.5°	495.6
25°	286.3
26°	208.8
27°	142.1
28°	94.4
29°	74.3
30°	67.2
32.5°	56.4
35°	47.2
37.5°	43.9
40°	42.3
42.5°	40.7
45°	39.0
47.5°	37.4
50°	36.3
52.5°	36.3
55°	36.3
57.5°	35.2
60°	32.0
62.5°	29.3
65°	24.9
67.5°	20.6
70°	16.8
72.5°	13.6



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CANDELA DISTRIBUTION (continued):

	0°
75°	11.4
77.5°	10.3
80°	8.7
82.5°	6.5
85°	4.3
87.5°	1.6
90°	0.0
92.5°	1.6
95°	4.3
97.5°	6.5
100°	8.7
102.5°	10.3
105°	11.4
107.5°	13.6
110°	16.8
112.5°	20.6
115°	24.9
117.5°	29.3
120°	32.0
122.5°	35.2
125°	36.3
127.5°	36.3
130°	36.3
132.5°	37.4
135°	39.0
137.5°	40.7
140°	42.3
142.5°	43.9
145°	47.2
147.5°	56.4
150°	67.2
151°	74.3
152°	94.4
153°	142.1
154°	208.8
155°	286.3
157.5°	495.6
160°	623.6
161°	664.8
162°	714.7
163°	772.2
164°	849.2
165°	963.6
166°	1105.7
167°	1290.6



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CANDELA DISTRIBUTION (continued):

	0°
168°	1527.0
169°	1849.2
170°	2289.5
171°	2842.6
172°	3475.4
173°	4152.7
174°	4823.0
175°	5462.9
176°	6021.4
177°	6484.0
178°	6827.8
179°	7044.7
180°	7138.0

(END OF REPORT)