

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: P221964

Luminaire Tested: **9004-W2-FL-LED2790-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED2790-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1750.2 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

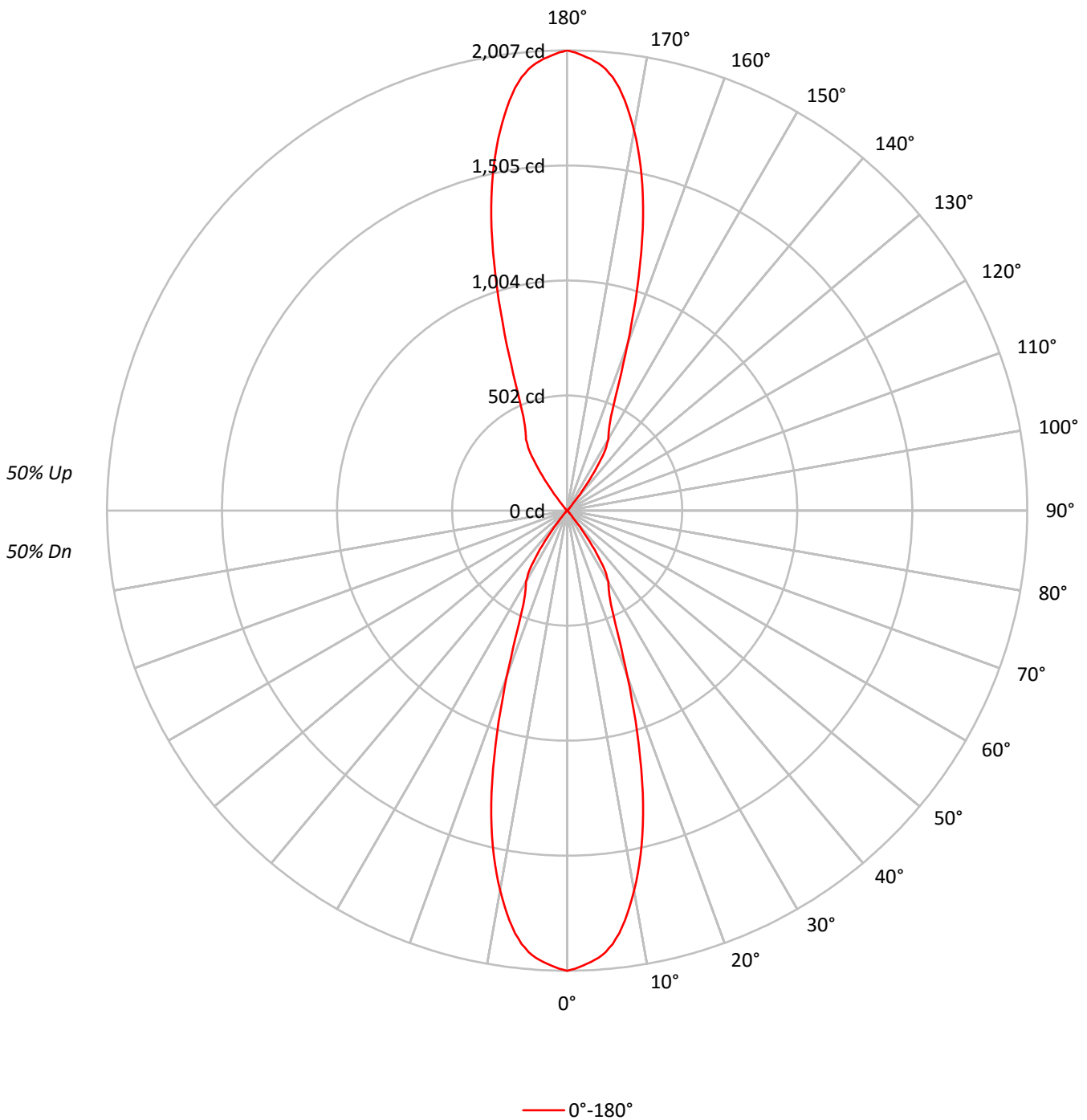
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	54	50	66	57	52	48	52	48	45		46	43	41		41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42		44	41	39		39	37	36	34
9	63	53	47	44	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	247604
5°	239264
10°	210818
15°	162788
20°	101058
25°	61638
30°	51117
35°	31200
40°	5281
45°	1919
50°	422
55°	194
60°	148
65°	175
70°	108
75°	143
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	10.1
10°-20°	341.4	19.5
20°-30°	222.3	12.7
30°-40°	123.5	7.1
40°-50°	9.6	0.6
50°-60°	1.0	0.1
60°-70°	0.6	0.0
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.3	0.0
110°-120°	0.6	0.0
120°-130°	1.0	0.1
130°-140°	9.6	0.6
140°-150°	123.5	7.1
150°-160°	222.3	12.7
160°-170°	341.4	19.5
170°-180°	176.5	10.1
0°-30°	740.2	42.3
0°-40°	863.6	49.3
0°-60°	874.3	50.0
0°-90°	875.1	50.0
90°-120°	0.8	0.0
90°-150°	134.9	7.7
90°-180°	875.0	50.0
0°-180°	1750.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2007	
5°	1932	177
15°	1275	341
25°	453	222
35°	207	123
45°	11	10
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	1	1
135°	11	10
145°	207	123
155°	453	222
165°	1275	341
175°	1932	177
180°	2007	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2007.4
1°	1998.6
2°	1985.7
3°	1972.1
4°	1956.0
5°	1932.4
6°	1900.5
7°	1858.6
8°	1806.5
9°	1746.9
10°	1683.2
11°	1613.8
12°	1538.5
13°	1457.7
14°	1368.8
15°	1274.8
16°	1172.6
17°	1066.0
18°	965.1
19°	863.5
20°	769.9
21°	681.5
22°	604.9
23°	540.9
24°	491.1
25°	452.9
26°	425.1
27°	403.1
28°	385.7
29°	371.8
30°	358.9
32.5°	304.3
35°	207.2
37.5°	106.3
40°	32.8
42.5°	15.8
45°	11.0
47.5°	6.9
50°	2.2
52.5°	1.3
55°	0.9
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
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°	0.3
105°	0.3
107.5°	0.3
110°	0.3
112.5°	0.6
115°	0.6
117.5°	0.6
120°	0.6
122.5°	0.9
125°	0.9
127.5°	1.3
130°	2.2
132.5°	6.9
135°	11.0
137.5°	15.8
140°	32.8
142.5°	106.3
145°	207.2
147.5°	304.3
150°	358.9
151°	371.8
152°	385.7
153°	403.1
154°	425.1
155°	452.9
156°	491.1
157°	540.9
158°	604.9
159°	681.5
160°	769.9
161°	863.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	965.1
163°	1066.0
164°	1172.6
165°	1274.8
166°	1368.8
167°	1457.7
168°	1538.5
169°	1613.8
170°	1683.2
171°	1746.9
172°	1806.5
173°	1858.6
174°	1900.5
175°	1932.4
176°	1956.0
177°	1972.1
178°	1985.7
179°	1998.6
180°	2007.4

(END OF REPORT)