

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: P221965

Luminaire Tested: **9004-W2-FL-LED2790-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221965
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-L2-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: 3231.9 lumens
Efficiency: N/A
Efficacy: 80.4 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

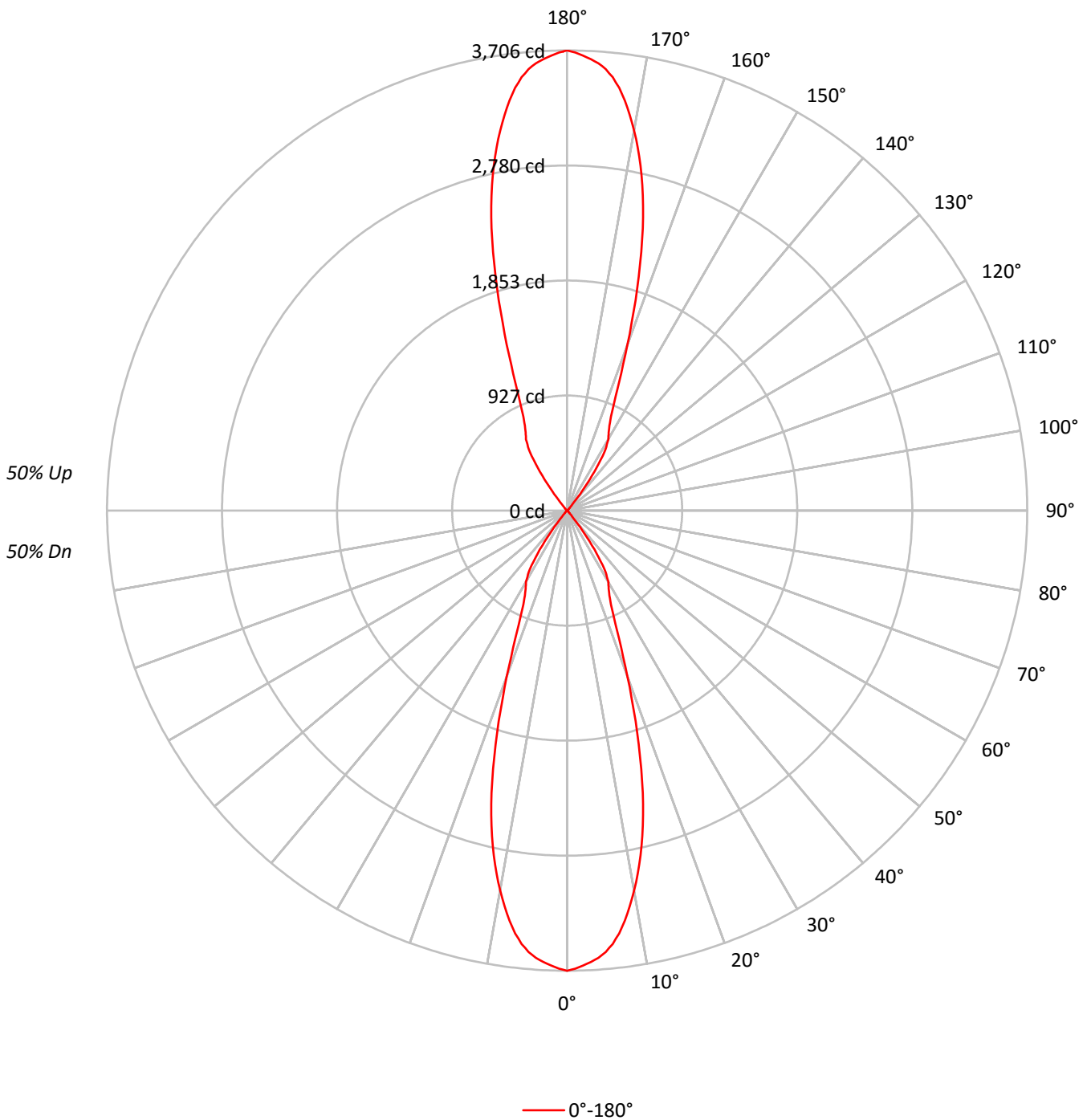
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	457181
5°	441766
10°	389260
15°	300573
20°	186588
25°	113804
30°	94387
35°	57611
40°	9758
45°	3559
50°	787
55°	366
60°	296
65°	350
70°	216
75°	286
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.9	10.1
10°-20°	630.3	19.5
20°-30°	410.5	12.7
30°-40°	227.9	7.1
40°-50°	17.8	0.6
50°-60°	1.9	0.1
60°-70°	1.1	0.0
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.1	0.0
120°-130°	1.9	0.1
130°-140°	17.8	0.6
140°-150°	227.9	7.1
150°-160°	410.5	12.7
160°-170°	630.3	19.5
170°-180°	325.9	10.1
0°-30°	1366.7	42.3
0°-40°	1594.6	49.3
0°-60°	1614.3	49.9
0°-90°	1616.0	50.0
90°-120°	1.7	0.1
90°-150°	249.3	7.7
90°-180°	1616.0	50.0
0°-180°	3231.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3706	
5°	3568	326
15°	2354	630
25°	836	410
35°	383	228
45°	20	18
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	20	18
145°	383	228
155°	836	410
165°	2354	630
175°	3568	326
180°	3706	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3706.5
1°	3690.2
2°	3666.4
3°	3641.3
4°	3611.6
5°	3567.9
6°	3509.1
7°	3431.7
8°	3335.6
9°	3225.5
10°	3107.9
11°	2979.8
12°	2840.6
13°	2691.5
14°	2527.3
15°	2353.8
16°	2165.1
17°	1968.3
18°	1781.9
19°	1594.4
20°	1421.5
21°	1258.4
22°	1116.9
23°	998.7
24°	906.7
25°	836.2
26°	785.0
27°	744.2
28°	712.2
29°	686.6
30°	662.7
32.5°	561.9
35°	382.6
37.5°	196.2
40°	60.6
42.5°	29.1
45°	20.4
47.5°	12.8
50°	4.1
52.5°	2.3
55°	1.7
57.5°	1.7
60°	1.2
62.5°	1.2
65°	1.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.2
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
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°	0.6
105°	0.6
107.5°	0.6
110°	0.6
112.5°	1.2
115°	1.2
117.5°	1.2
120°	1.2
122.5°	1.7
125°	1.7
127.5°	2.3
130°	4.1
132.5°	12.8
135°	20.4
137.5°	29.1
140°	60.6
142.5°	196.2
145°	382.6
147.5°	561.9
150°	662.7
151°	686.6
152°	712.2
153°	744.2
154°	785.0
155°	836.2
156°	906.7
157°	998.7
158°	1116.9
159°	1258.4
160°	1421.5
161°	1594.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1781.9
163°	1968.3
164°	2165.1
165°	2353.8
166°	2527.3
167°	2691.5
168°	2840.6
169°	2979.8
170°	3107.9
171°	3225.5
172°	3335.6
173°	3431.7
174°	3509.1
175°	3567.9
176°	3611.6
177°	3641.3
178°	3666.4
179°	3690.2
180°	3706.5

(END OF REPORT)