

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: P221726

Luminaire Tested: **9004-W2-[RW, RI]-LED2790-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-[RW, RI]-LED2790-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED 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: 4072.4 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

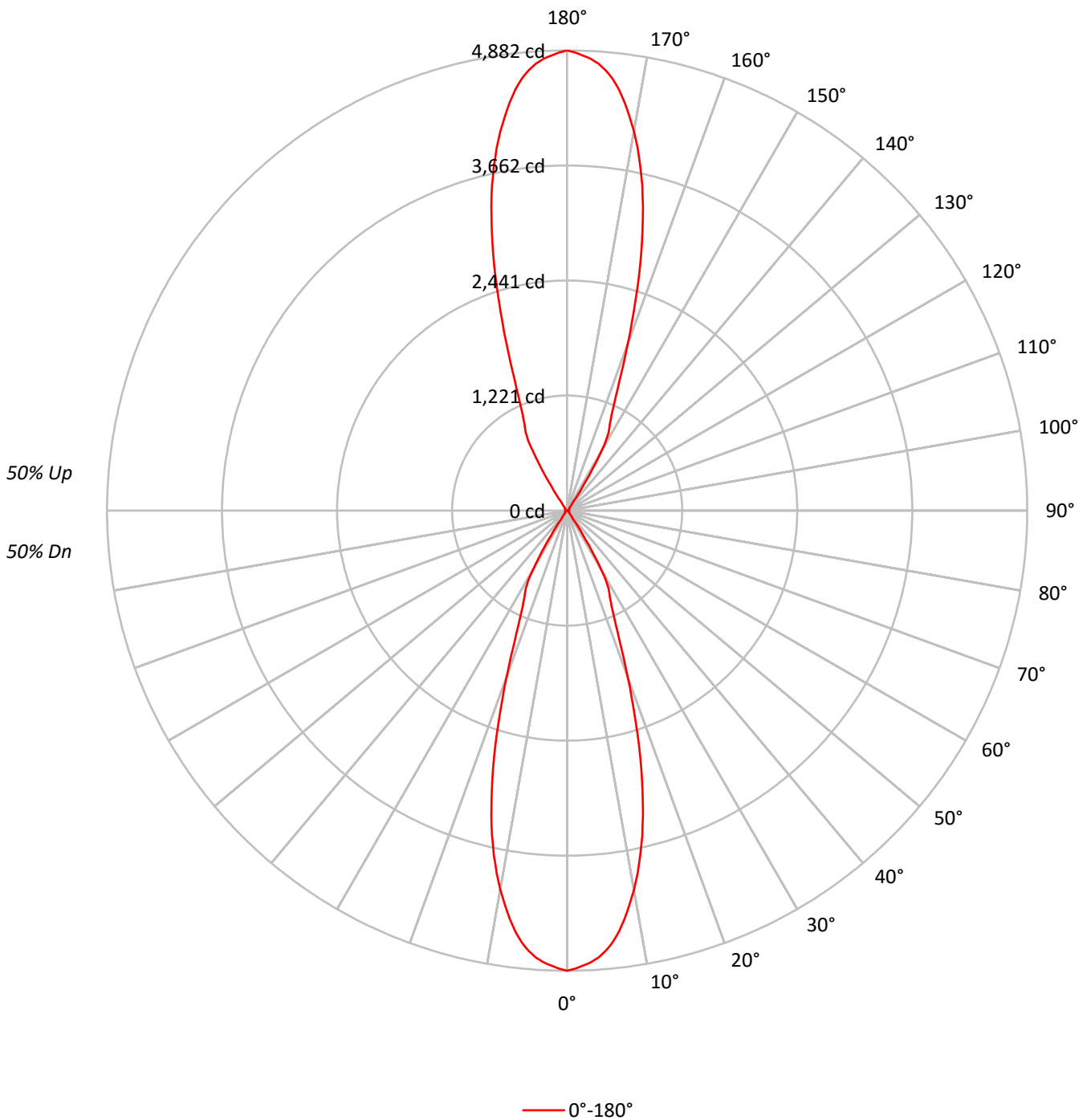
Input Watts (W): 57
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	93	90	87	85	77	75	74	65	64	63	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51	51	48	46	45	43	41	39
6	74	65	58	54	69	61	56	52	55	51	48	49	46	43	43	41	39	37
7	70	60	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	54	48	44	60	51	46	42	46	42	40	42	39	37	38	36	34	33
10	60	51	45	41	57	48	43	40	44	40	38	40	37	35	37	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	602173
5°	580651
10°	511302
15°	394800
20°	246483
25°	151762
30°	104015
35°	16353
40°	7407
45°	5006
50°	5219
55°	5677
60°	6340
65°	7034
70°	8150
75°	10056
80°	11791
85°	11746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.1	10.5
10°-20°	830.2	20.4
20°-30°	537.6	13.2
30°-40°	138.3	3.4
40°-50°	23.6	0.6
50°-60°	23.9	0.6
60°-70°	23.9	0.6
70°-80°	21.5	0.5
80°-90°	9.0	0.2
90°-100°	9.0	0.2
100°-110°	21.5	0.5
110°-120°	23.9	0.6
120°-130°	23.9	0.6
130°-140°	23.6	0.6
140°-150°	138.3	3.4
150°-160°	537.6	13.2
160°-170°	830.2	20.4
170°-180°	428.1	10.5
0°-30°	1795.9	44.1
0°-40°	1934.2	47.5
0°-60°	1981.7	48.7
0°-90°	2036.2	50.0
90°-120°	54.5	1.3
90°-150°	240.3	5.9
90°-180°	2036.0	50.0
0°-180°	4072.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4882	
5°	4690	428
15°	3092	830
25°	1115	538
35°	109	138
45°	29	24
55°	26	24
65°	24	24
75°	21	22
85°	8	9
90°	0	1
95°	8	9
105°	21	22
115°	24	24
125°	26	24
135°	29	24
145°	109	138
155°	1115	538
165°	3092	830
175°	4690	428
180°	4882	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4882.0
1°	4860.1
2°	4831.4
3°	4797.5
4°	4753.7
5°	4689.6
6°	4608.1
7°	4501.7
8°	4374.2
9°	4232.4
10°	4082.3
11°	3917.8
12°	3736.7
13°	3540.6
14°	3325.6
15°	3091.7
16°	2850.3
17°	2602.1
18°	2353.1
19°	2107.9
20°	1877.8
21°	1667.3
22°	1484.0
23°	1329.3
24°	1207.9
25°	1115.1
26°	1041.9
27°	985.3
28°	937.8
29°	854.8
30°	730.3
32.5°	365.1
35°	108.6
37.5°	69.4
40°	46.0
42.5°	29.4
45°	28.7
47.5°	27.9
50°	27.2
52.5°	27.2
55°	26.4
57.5°	26.4
60°	25.7
62.5°	24.9
65°	24.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	23.4
70°	22.6
72.5°	21.9
75°	21.1
77.5°	18.9
80°	16.6
82.5°	12.8
85°	8.3
87.5°	3.8
90°	0.0
92.5°	3.8
95°	8.3
97.5°	12.8
100°	16.6
102.5°	18.9
105°	21.1
107.5°	21.9
110°	22.6
112.5°	23.4
115°	24.1
117.5°	24.9
120°	25.7
122.5°	26.4
125°	26.4
127.5°	27.2
130°	27.2
132.5°	27.9
135°	28.7
137.5°	29.4
140°	46.0
142.5°	69.4
145°	108.6
147.5°	365.1
150°	730.3
151°	854.8
152°	937.8
153°	985.3
154°	1041.9
155°	1115.1
156°	1207.9
157°	1329.3
158°	1484.0
159°	1667.3
160°	1877.8
161°	2107.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	2353.1
163°	2602.1
164°	2850.3
165°	3091.7
166°	3325.6
167°	3540.6
168°	3736.7
169°	3917.8
170°	4082.3
171°	4232.4
172°	4374.2
173°	4501.7
174°	4608.1
175°	4689.6
176°	4753.7
177°	4797.5
178°	4831.4
179°	4860.1
180°	4882.0

(END OF REPORT)