

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: P221725

Luminaire Tested: **9004-W2-[RW, RI]-LED2790-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221725
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-L2-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: 3143.4 lumens
Efficiency: N/A
Efficacy: 78.2 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

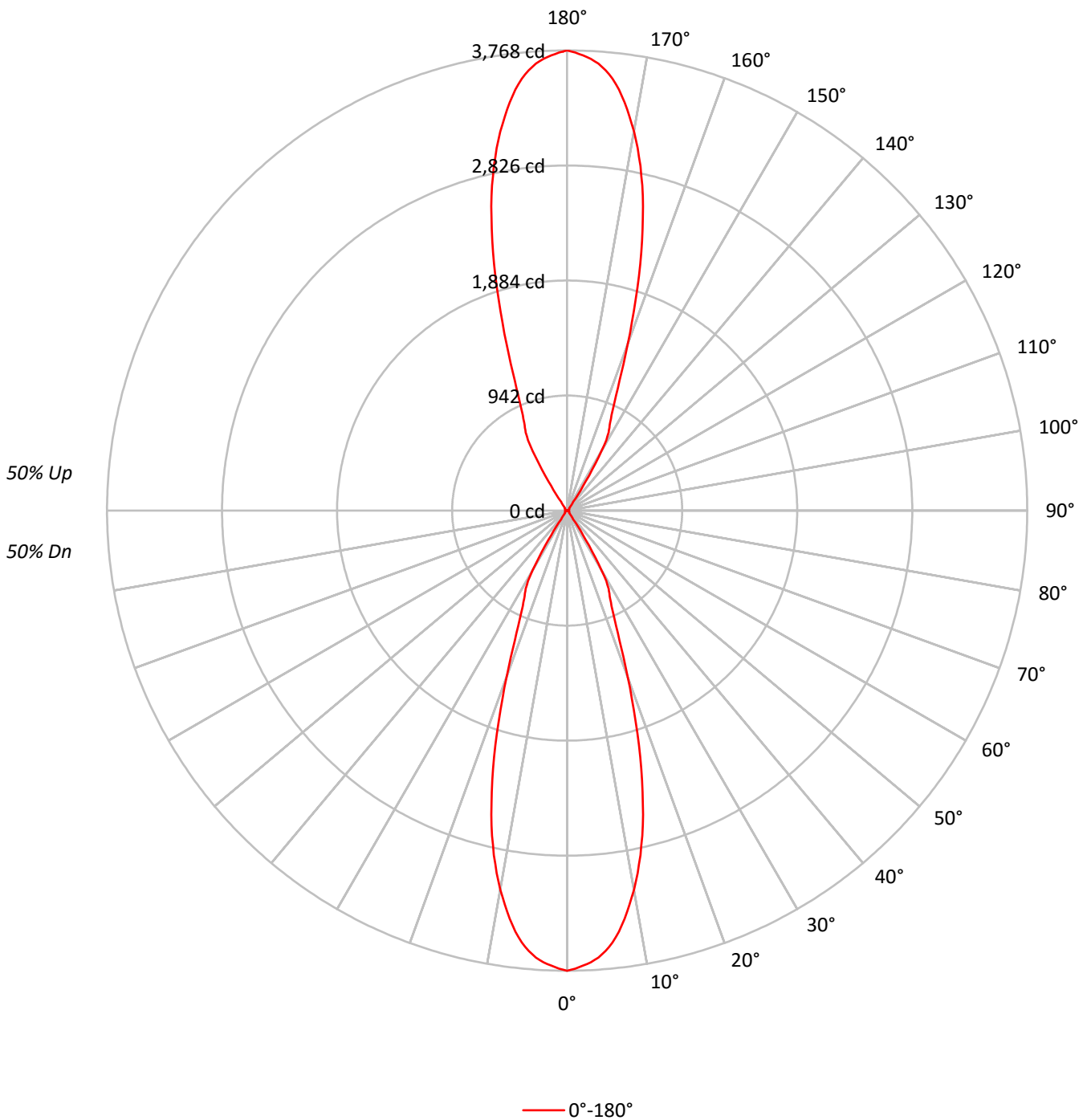
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	464803
5°	448192
10°	394658
15°	304736
20°	190251
25°	117139
30°	80286
35°	12633
40°	5716
45°	3855
50°	4030
55°	4387
60°	4884
65°	5429
70°	6311
75°	7768
80°	9092
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.5	10.5
10°-20°	640.8	20.4
20°-30°	415.0	13.2
30°-40°	106.8	3.4
40°-50°	18.2	0.6
50°-60°	18.4	0.6
60°-70°	18.5	0.6
70°-80°	16.6	0.5
80°-90°	7.0	0.2
90°-100°	7.0	0.2
100°-110°	16.6	0.5
110°-120°	18.5	0.6
120°-130°	18.4	0.6
130°-140°	18.2	0.6
140°-150°	106.8	3.4
150°-160°	415.0	13.2
160°-170°	640.8	20.4
170°-180°	330.5	10.5
0°-30°	1386.2	44.1
0°-40°	1493.0	47.5
0°-60°	1529.6	48.7
0°-90°	1571.7	50.0
90°-120°	42.1	1.3
90°-150°	185.5	5.9
90°-180°	1572.0	50.0
0°-180°	3143.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3768	
5°	3620	330
15°	2386	641
25°	861	415
35°	84	107
45°	22	18
55°	20	18
65°	19	18
75°	16	17
85°	6	7
90°	0	1
95°	6	7
105°	16	17
115°	19	18
125°	20	18
135°	22	18
145°	84	107
155°	861	415
165°	2386	641
175°	3620	330
180°	3768	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3768.3
1°	3751.4
2°	3729.2
3°	3703.0
4°	3669.3
5°	3619.8
6°	3556.9
7°	3474.8
8°	3376.4
9°	3266.9
10°	3151.0
11°	3024.0
12°	2884.3
13°	2732.9
14°	2566.9
15°	2386.4
16°	2200.0
17°	2008.5
18°	1816.3
19°	1627.0
20°	1449.4
21°	1287.0
22°	1145.4
23°	1026.1
24°	932.3
25°	860.7
26°	804.2
27°	760.5
28°	723.8
29°	659.8
30°	563.7
32.5°	281.8
35°	83.9
37.5°	53.6
40°	35.5
42.5°	22.7
45°	22.1
47.5°	21.5
50°	21.0
52.5°	21.0
55°	20.4
57.5°	20.4
60°	19.8
62.5°	19.2
65°	18.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	18.1
70°	17.5
72.5°	16.9
75°	16.3
77.5°	14.6
80°	12.8
82.5°	9.9
85°	6.4
87.5°	2.9
90°	0.0
92.5°	2.9
95°	6.4
97.5°	9.9
100°	12.8
102.5°	14.6
105°	16.3
107.5°	16.9
110°	17.5
112.5°	18.1
115°	18.6
117.5°	19.2
120°	19.8
122.5°	20.4
125°	20.4
127.5°	21.0
130°	21.0
132.5°	21.5
135°	22.1
137.5°	22.7
140°	35.5
142.5°	53.6
145°	83.9
147.5°	281.8
150°	563.7
151°	659.8
152°	723.8
153°	760.5
154°	804.2
155°	860.7
156°	932.3
157°	1026.1
158°	1145.4
159°	1287.0
160°	1449.4
161°	1627.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1816.3
163°	2008.5
164°	2200.0
165°	2386.4
166°	2566.9
167°	2732.9
168°	2884.3
169°	3024.0
170°	3151.0
171°	3266.9
172°	3376.4
173°	3474.8
174°	3556.9
175°	3619.8
176°	3669.3
177°	3703.0
178°	3729.2
179°	3751.4
180°	3768.3

(END OF REPORT)