

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: P221732

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)
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-M-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3995.3 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

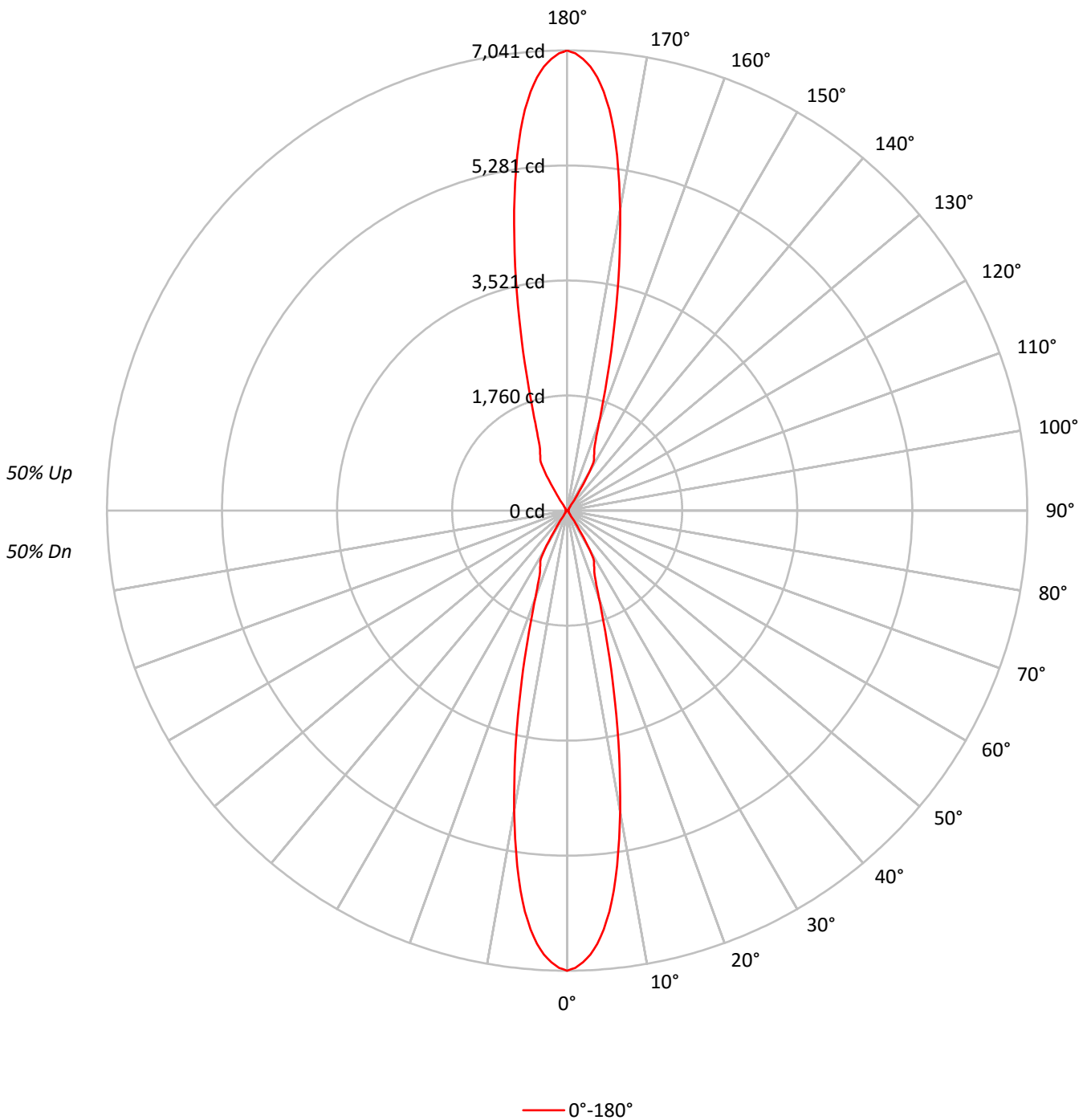
Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	77	75	74		65	64	63		54	53	52	47
2	94	89	84	80	87	83	79	75	71	69	66		61	59	58		51	50	49	45
3	88	81	76	72	82	76	72	68	67	63	61		57	55	53		49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56		54	52	50		47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52		52	49	47		45	44	42	39
6	75	65	59	55	70	62	57	53	55	51	48		49	46	44		44	42	40	38
7	71	61	55	51	66	58	53	49	53	49	46		47	44	42		42	40	39	36
8	67	58	52	48	63	55	50	46	50	46	43		45	42	40		41	39	37	35
9	64	55	49	45	60	52	47	44	48	44	41		43	40	38		39	37	36	34
10	61	52	46	43	58	50	45	41	46	42	39		42	39	37		38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	868501
5°	796427
10°	584434
15°	342291
20°	186772
25°	133075
30°	98431
35°	14199
40°	7777
45°	5530
50°	5642
55°	5849
60°	6513
65°	7267
70°	8439
75°	10437
80°	12360
85°	11746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.7	13.9
10°-20°	745.4	18.7
20°-30°	460.1	11.5
30°-40°	128.3	3.2
40°-50°	25.9	0.6
50°-60°	24.7	0.6
60°-70°	24.9	0.6
70°-80°	22.3	0.6
80°-90°	9.4	0.2
90°-100°	9.4	0.2
100°-110°	22.3	0.6
110°-120°	24.9	0.6
120°-130°	24.7	0.6
130°-140°	25.9	0.6
140°-150°	128.3	3.2
150°-160°	460.1	11.5
160°-170°	745.4	18.7
170°-180°	556.7	13.9
0°-30°	1762.2	44.1
0°-40°	1890.5	47.3
0°-60°	1941.1	48.6
0°-90°	1997.7	50.0
90°-120°	56.6	1.4
90°-150°	235.4	5.9
90°-180°	1998.0	50.0
0°-180°	3995.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7041	
5°	6432	557
15°	2680	745
25°	978	460
35°	94	128
45°	32	26
55°	27	25
65°	25	25
75°	22	22
85°	8	9
90°	0	1
95°	8	9
105°	22	22
115°	25	25
125°	27	25
135°	32	26
145°	94	128
155°	978	460
165°	2680	745
175°	6432	557
180°	7041	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7041.2
1°	6997.4
2°	6916.7
3°	6802.0
4°	6644.3
5°	6432.3
6°	6169.8
7°	5857.4
8°	5484.8
9°	5084.1
10°	4666.2
11°	4240.7
12°	3820.5
13°	3410.8
14°	3030.6
15°	2680.5
16°	2358.4
17°	2069.4
18°	1815.9
19°	1599.4
20°	1422.9
21°	1277.3
22°	1167.9
23°	1084.9
24°	1023.0
25°	977.8
26°	940.8
27°	908.3
28°	877.4
29°	808.0
30°	691.1
32.5°	335.0
35°	94.3
37.5°	64.9
40°	48.3
42.5°	33.9
45°	31.7
47.5°	30.2
50°	29.4
52.5°	27.9
55°	27.2
57.5°	27.2
60°	26.4
62.5°	26.4
65°	24.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.1
70°	23.4
72.5°	22.6
75°	21.9
77.5°	19.6
80°	17.4
82.5°	13.6
85°	8.3
87.5°	3.8
90°	0.0
92.5°	3.8
95°	8.3
97.5°	13.6
100°	17.4
102.5°	19.6
105°	21.9
107.5°	22.6
110°	23.4
112.5°	24.1
115°	24.9
117.5°	26.4
120°	26.4
122.5°	27.2
125°	27.2
127.5°	27.9
130°	29.4
132.5°	30.2
135°	31.7
137.5°	33.9
140°	48.3
142.5°	64.9
145°	94.3
147.5°	335.0
150°	691.1
151°	808.0
152°	877.4
153°	908.3
154°	940.8
155°	977.8
156°	1023.0
157°	1084.9
158°	1167.9
159°	1277.3
160°	1422.9
161°	1599.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1815.9
163°	2069.4
164°	2358.4
165°	2680.5
166°	3030.6
167°	3410.8
168°	3820.5
169°	4240.7
170°	4666.2
171°	5084.1
172°	5484.8
173°	5857.4
174°	6169.8
175°	6432.3
176°	6644.3
177°	6802.0
178°	6916.7
179°	6997.4
180°	7041.2

(END OF REPORT)