

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: P221750

Luminaire Tested: **9004-W2-[RW, RI]-LED2797-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221750
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]-LED2797-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

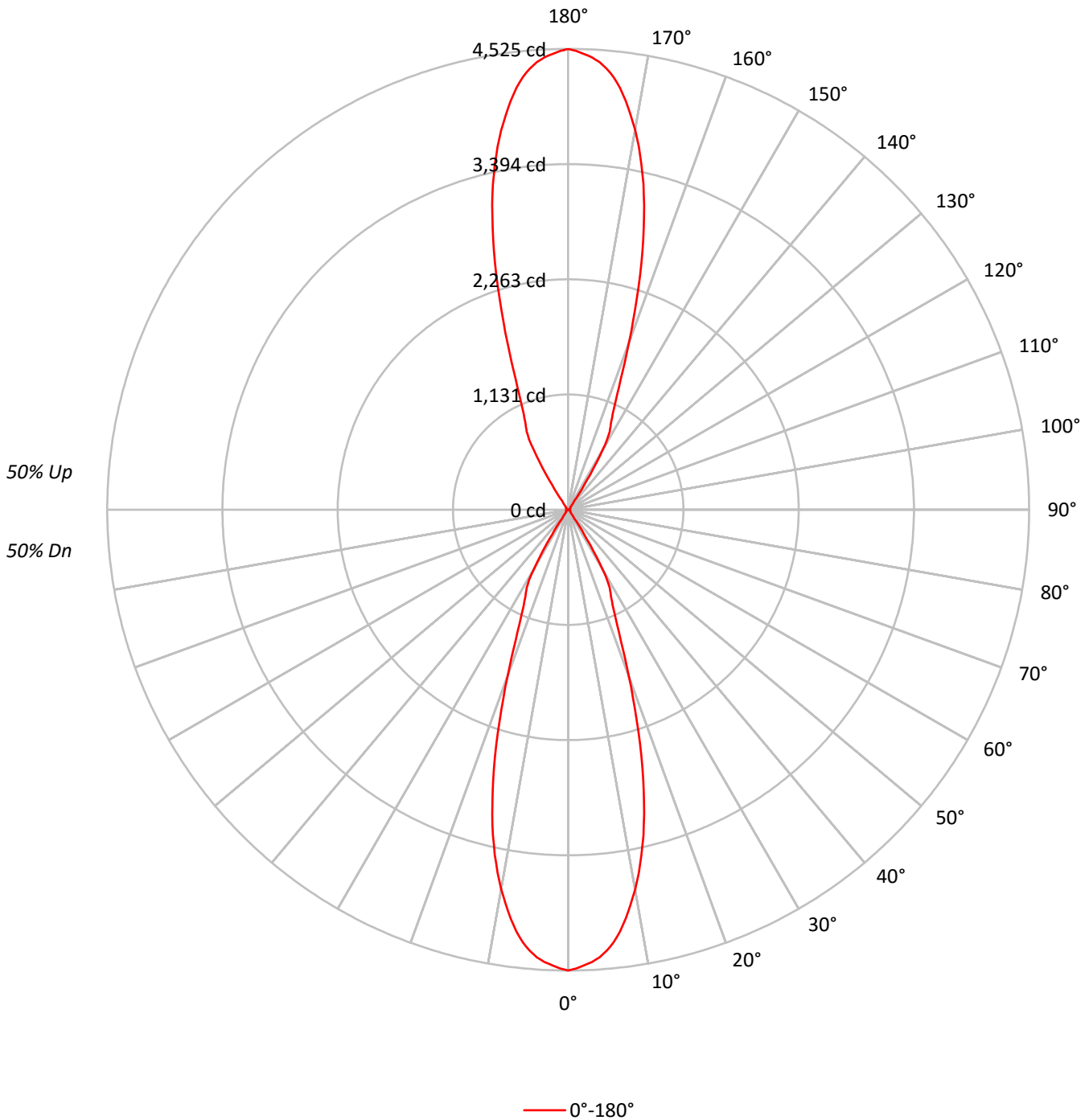
Lumens per Lamp: N/A
Luminaire Lumens: 3774.7 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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°	558114
5°	538170
10°	473890
15°	365915
20°	228448
25°	140656
30°	96409
35°	15163
40°	6875
45°	4640
50°	4836
55°	5269
60°	5871
65°	6538
70°	7573
75°	9341
80°	10939
85°	10897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.8	10.5
10°-20°	769.5	20.4
20°-30°	498.3	13.2
30°-40°	128.2	3.4
40°-50°	21.9	0.6
50°-60°	22.1	0.6
60°-70°	22.2	0.6
70°-80°	20.0	0.5
80°-90°	8.4	0.2
90°-100°	8.4	0.2
100°-110°	20.0	0.5
110°-120°	22.2	0.6
120°-130°	22.1	0.6
130°-140°	21.9	0.6
140°-150°	128.2	3.4
150°-160°	498.3	13.2
160°-170°	769.5	20.4
170°-180°	396.8	10.5
0°-30°	1664.6	44.1
0°-40°	1792.7	47.5
0°-60°	1836.8	48.7
0°-90°	1887.3	50.0
90°-120°	50.6	1.3
90°-150°	222.8	5.9
90°-180°	1887.0	50.0
0°-180°	3774.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4525	
5°	4346	397
15°	2866	769
25°	1034	498
35°	101	128
45°	27	22
55°	24	22
65°	22	22
75°	20	20
85°	8	8
90°	0	1
95°	8	8
105°	20	20
115°	22	22
125°	24	22
135°	27	22
145°	101	128
155°	1034	498
165°	2866	769
175°	4346	397
180°	4525	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4524.8
1°	4504.6
2°	4478.0
3°	4446.5
4°	4406.0
5°	4346.5
6°	4271.0
7°	4172.4
8°	4054.2
9°	3922.8
10°	3783.6
11°	3631.2
12°	3463.4
13°	3281.6
14°	3082.3
15°	2865.5
16°	2641.8
17°	2411.7
18°	2181.0
19°	1953.7
20°	1740.4
21°	1545.3
22°	1375.4
23°	1232.1
24°	1119.5
25°	1033.5
26°	965.7
27°	913.2
28°	869.2
29°	792.2
30°	676.9
32.5°	338.4
35°	100.7
37.5°	64.3
40°	42.7
42.5°	27.3
45°	26.6
47.5°	25.9
50°	25.2
52.5°	25.2
55°	24.5
57.5°	24.5
60°	23.8
62.5°	23.1
65°	22.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.7
70°	21.0
72.5°	20.3
75°	19.6
77.5°	17.5
80°	15.4
82.5°	11.9
85°	7.7
87.5°	3.5
90°	0.0
92.5°	3.5
95°	7.7
97.5°	11.9
100°	15.4
102.5°	17.5
105°	19.6
107.5°	20.3
110°	21.0
112.5°	21.7
115°	22.4
117.5°	23.1
120°	23.8
122.5°	24.5
125°	24.5
127.5°	25.2
130°	25.2
132.5°	25.9
135°	26.6
137.5°	27.3
140°	42.7
142.5°	64.3
145°	100.7
147.5°	338.4
150°	676.9
151°	792.2
152°	869.2
153°	913.2
154°	965.7
155°	1033.5
156°	1119.5
157°	1232.1
158°	1375.4
159°	1545.3
160°	1740.4
161°	1953.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	2181.0
163°	2411.7
164°	2641.8
165°	2865.5
166°	3082.3
167°	3281.6
168°	3463.4
169°	3631.2
170°	3783.6
171°	3922.8
172°	4054.2
173°	4172.4
174°	4271.0
175°	4346.5
176°	4406.0
177°	4446.5
178°	4478.0
179°	4504.6
180°	4524.8

(END OF REPORT)