

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: P221756

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221756  
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]-LED2797-M-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3703.2 lumens  
Efficiency: N/A  
Efficacy: 65.0 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

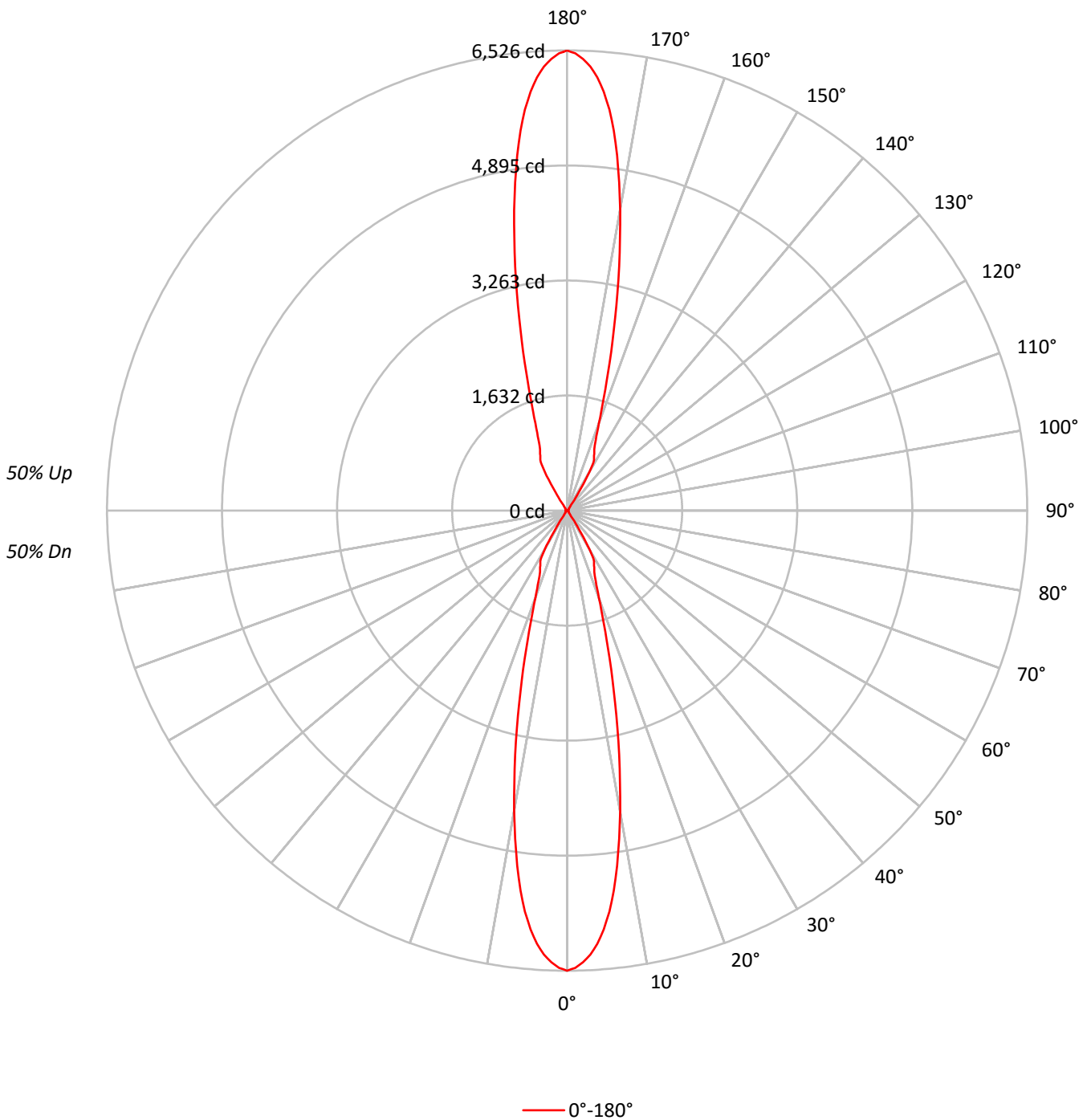
Input Watts (W): 57  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	74	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°	804966
5°	738171
10°	541674
15°	317250
20°	173108
25°	123331
30°	91225
35°	13160
40°	7214
45°	5128
50°	5239
55°	5419
60°	6044
65°	6742
70°	7826
75°	9674
80°	11436
85°	10897



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	516.0	13.9
10°-20°	690.8	18.7
20°-30°	426.5	11.5
30°-40°	118.9	3.2
40°-50°	24.0	0.6
50°-60°	22.9	0.6
60°-70°	23.1	0.6
70°-80°	20.7	0.6
80°-90°	8.7	0.2
90°-100°	8.7	0.2
100°-110°	20.7	0.6
110°-120°	23.1	0.6
120°-130°	22.9	0.6
130°-140°	24.0	0.6
140°-150°	118.9	3.2
150°-160°	426.5	11.5
160°-170°	690.8	18.7
170°-180°	516.0	13.9
0°-30°	1633.3	44.1
0°-40°	1752.2	47.3
0°-60°	1799.1	48.6
0°-90°	1851.6	50.0
90°-120°	52.5	1.4
90°-150°	218.3	5.9
90°-180°	1852.0	50.0
0°-180°	3703.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6526	
5°	5962	516
15°	2484	691
25°	906	426
35°	87	119
45°	29	24
55°	25	23
65°	23	23
75°	20	21
85°	8	8
90°	0	1
95°	8	8
105°	20	21
115°	23	23
125°	25	23
135°	29	24
145°	87	119
155°	906	426
165°	2484	691
175°	5962	516
180°	6526	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6526.1
1°	6485.5
2°	6410.7
3°	6304.4
4°	6158.3
5°	5961.8
6°	5718.4
7°	5428.9
8°	5083.5
9°	4712.2
10°	4324.8
11°	3930.5
12°	3541.0
13°	3161.3
14°	2808.9
15°	2484.4
16°	2185.8
17°	1918.0
18°	1683.1
19°	1482.4
20°	1318.8
21°	1183.8
22°	1082.4
23°	1005.5
24°	948.2
25°	906.2
26°	872.0
27°	841.9
28°	813.2
29°	748.9
30°	640.5
32.5°	310.5
35°	87.4
37.5°	60.1
40°	44.8
42.5°	31.5
45°	29.4
47.5°	28.0
50°	27.3
52.5°	25.9
55°	25.2
57.5°	25.2
60°	24.5
62.5°	24.5
65°	23.1



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	22.4
70°	21.7
72.5°	21.0
75°	20.3
77.5°	18.2
80°	16.1
82.5°	12.6
85°	7.7
87.5°	3.5
90°	0.0
92.5°	3.5
95°	7.7
97.5°	12.6
100°	16.1
102.5°	18.2
105°	20.3
107.5°	21.0
110°	21.7
112.5°	22.4
115°	23.1
117.5°	24.5
120°	24.5
122.5°	25.2
125°	25.2
127.5°	25.9
130°	27.3
132.5°	28.0
135°	29.4
137.5°	31.5
140°	44.8
142.5°	60.1
145°	87.4
147.5°	310.5
150°	640.5
151°	748.9
152°	813.2
153°	841.9
154°	872.0
155°	906.2
156°	948.2
157°	1005.5
158°	1082.4
159°	1183.8
160°	1318.8
161°	1482.4



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1683.1
163°	1918.0
164°	2185.8
165°	2484.4
166°	2808.9
167°	3161.3
168°	3541.0
169°	3930.5
170°	4324.8
171°	4712.2
172°	5083.5
173°	5428.9
174°	5718.4
175°	5961.8
176°	6158.3
177°	6304.4
178°	6410.7
179°	6485.5
180°	6526.1

(END OF REPORT)