

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: P221749

Luminaire Tested: **9004-W2-[RW, RI]-LED2797-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221749
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-L2-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: 2913.4 lumens
Efficiency: N/A
Efficacy: 72.5 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

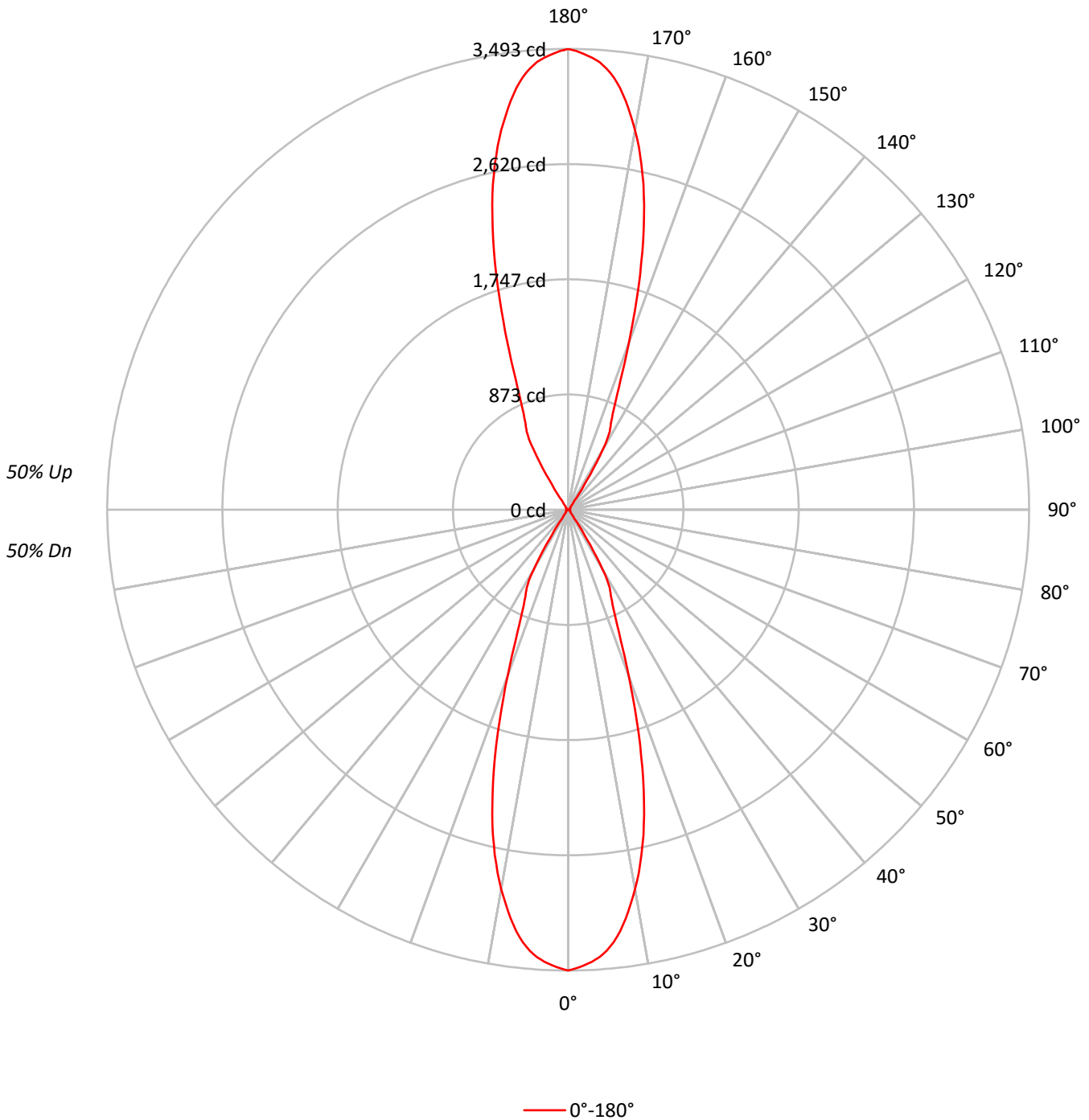
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	430797
5°	415405
10°	365788
15°	282440
20°	176337
25°	108564
30°	74418
35°	11700
40°	5297
45°	3576
50°	3723
55°	4064
60°	4539
65°	5049
70°	5842
75°	7196
80°	8453
85°	8350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.3	10.5
10°-20°	593.9	20.4
20°-30°	384.6	13.2
30°-40°	98.9	3.4
40°-50°	16.9	0.6
50°-60°	17.1	0.6
60°-70°	17.1	0.6
70°-80°	15.4	0.5
80°-90°	6.5	0.2
90°-100°	6.5	0.2
100°-110°	15.4	0.5
110°-120°	17.1	0.6
120°-130°	17.1	0.6
130°-140°	16.9	0.6
140°-150°	98.9	3.4
150°-160°	384.6	13.2
160°-170°	593.9	20.4
170°-180°	306.3	10.5
0°-30°	1284.8	44.1
0°-40°	1383.8	47.5
0°-60°	1417.7	48.7
0°-90°	1456.7	50.0
90°-120°	39.0	1.3
90°-150°	171.9	5.9
90°-180°	1457.0	50.0
0°-180°	2913.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3493	
5°	3355	306
15°	2212	594
25°	798	385
35°	78	99
45°	20	17
55°	19	17
65°	17	17
75°	15	15
85°	6	6
90°	0	1
95°	6	6
105°	15	15
115°	17	17
125°	19	17
135°	20	17
145°	78	99
155°	798	385
165°	2212	594
175°	3355	306
180°	3493	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3492.6
1°	3476.9
2°	3456.4
3°	3432.1
4°	3400.8
5°	3355.0
6°	3296.7
7°	3220.6
8°	3129.4
9°	3027.9
10°	2920.5
11°	2802.8
12°	2673.3
13°	2533.0
14°	2379.1
15°	2211.8
16°	2039.1
17°	1861.5
18°	1683.4
19°	1508.0
20°	1343.4
21°	1192.8
22°	1061.7
23°	951.0
24°	864.1
25°	797.7
26°	745.4
27°	704.9
28°	670.9
29°	611.5
30°	522.5
32.5°	261.2
35°	77.7
37.5°	49.7
40°	32.9
42.5°	21.0
45°	20.5
47.5°	20.0
50°	19.4
52.5°	19.4
55°	18.9
57.5°	18.9
60°	18.4
62.5°	17.8
65°	17.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.7
70°	16.2
72.5°	15.7
75°	15.1
77.5°	13.5
80°	11.9
82.5°	9.2
85°	5.9
87.5°	2.7
90°	0.0
92.5°	2.7
95°	5.9
97.5°	9.2
100°	11.9
102.5°	13.5
105°	15.1
107.5°	15.7
110°	16.2
112.5°	16.7
115°	17.3
117.5°	17.8
120°	18.4
122.5°	18.9
125°	18.9
127.5°	19.4
130°	19.4
132.5°	20.0
135°	20.5
137.5°	21.0
140°	32.9
142.5°	49.7
145°	77.7
147.5°	261.2
150°	522.5
151°	611.5
152°	670.9
153°	704.9
154°	745.4
155°	797.7
156°	864.1
157°	951.0
158°	1061.7
159°	1192.8
160°	1343.4
161°	1508.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1683.4
163°	1861.5
164°	2039.1
165°	2211.8
166°	2379.1
167°	2533.0
168°	2673.3
169°	2802.8
170°	2920.5
171°	3027.9
172°	3129.4
173°	3220.6
174°	3296.7
175°	3355.0
176°	3400.8
177°	3432.1
178°	3456.4
179°	3476.9
180°	3492.6

(END OF REPORT)