

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: P222037

Luminaire Tested: **9004-W2-FL-LED3097-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED3097-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3023.6 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

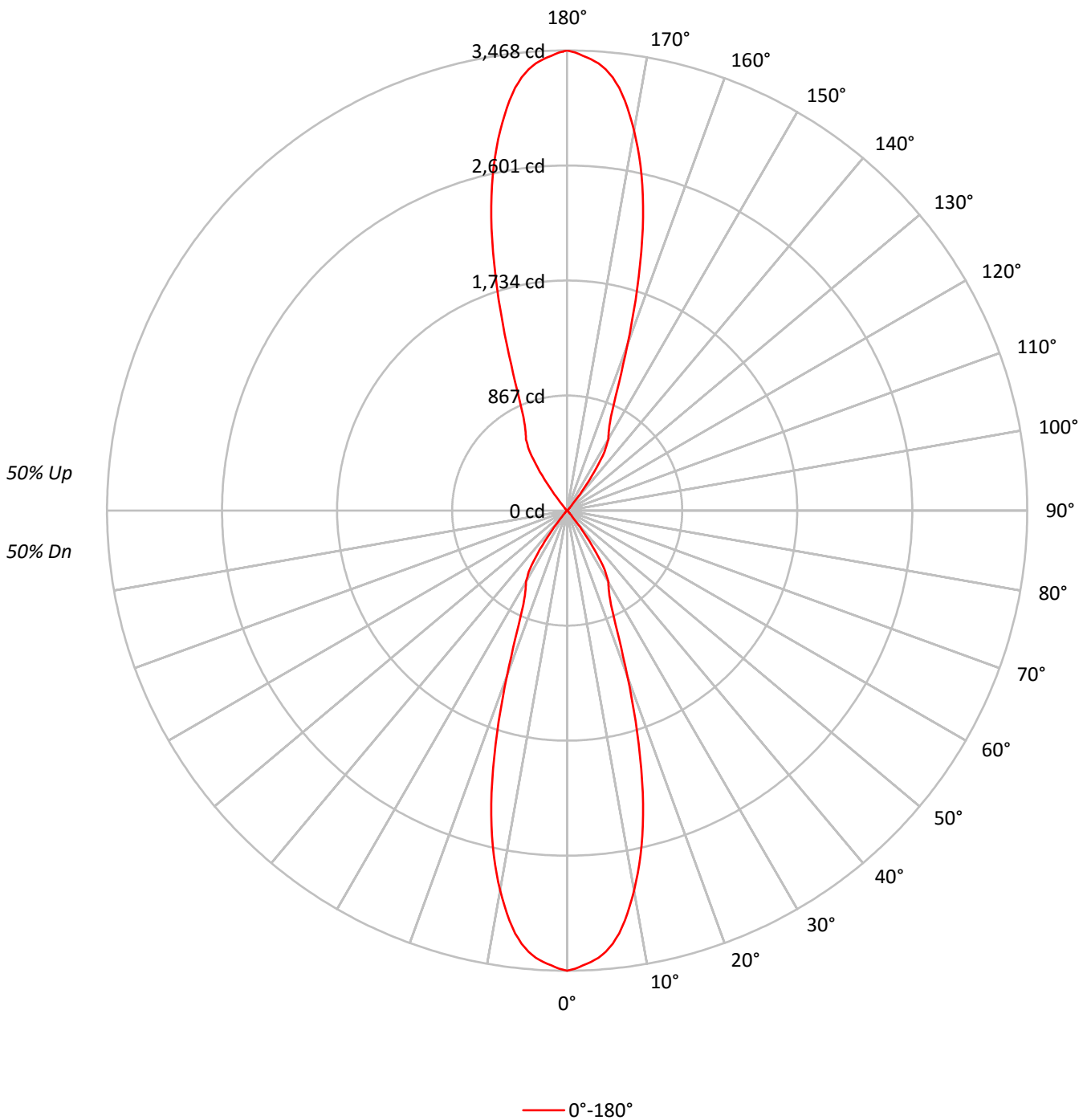
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	86	77	75	74		65	64	63		54	53	53	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	88	81	76	72	82	76	72	68	67	63	61		58	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	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	53	47	44	59	51	46	42	46	42	39		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	427738
5°	413313
10°	364185
15°	281214
20°	174565
25°	106482
30°	88305
35°	53892
40°	9130
45°	3332
50°	729
55°	344
60°	271
65°	321
70°	180
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.9	10.1
10°-20°	589.7	19.5
20°-30°	384.0	12.7
30°-40°	213.3	7.1
40°-50°	16.7	0.6
50°-60°	1.7	0.1
60°-70°	1.0	0.0
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	1.0	0.0
120°-130°	1.7	0.1
130°-140°	16.7	0.6
140°-150°	213.3	7.1
150°-160°	384.0	12.7
160°-170°	589.7	19.5
170°-180°	304.9	10.1
0°-30°	1278.6	42.3
0°-40°	1491.9	49.3
0°-60°	1510.3	50.0
0°-90°	1511.8	50.0
90°-120°	1.5	0.0
90°-150°	233.2	7.7
90°-180°	1512.0	50.0
0°-180°	3023.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3468	
5°	3338	305
15°	2202	590
25°	782	384
35°	358	213
45°	19	17
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	1	1
125°	2	2
135°	19	17
145°	358	213
155°	782	384
165°	2202	590
175°	3338	305
180°	3468	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3467.8
1°	3452.5
2°	3430.2
3°	3406.7
4°	3379.0
5°	3338.1
6°	3283.1
7°	3210.6
8°	3120.7
9°	3017.7
10°	2907.7
11°	2787.8
12°	2657.6
13°	2518.2
14°	2364.5
15°	2202.2
16°	2025.6
17°	1841.5
18°	1667.1
19°	1491.7
20°	1329.9
21°	1177.4
22°	1045.0
23°	934.4
24°	848.3
25°	782.4
26°	734.4
27°	696.3
28°	666.3
29°	642.3
30°	620.0
32.5°	525.7
35°	357.9
37.5°	183.6
40°	56.7
42.5°	27.2
45°	19.1
47.5°	12.0
50°	3.8
52.5°	2.2
55°	1.6
57.5°	1.6
60°	1.1
62.5°	1.1
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.5
105°	0.5
107.5°	0.5
110°	0.5
112.5°	1.1
115°	1.1
117.5°	1.1
120°	1.1
122.5°	1.6
125°	1.6
127.5°	2.2
130°	3.8
132.5°	12.0
135°	19.1
137.5°	27.2
140°	56.7
142.5°	183.6
145°	357.9
147.5°	525.7
150°	620.0
151°	642.3
152°	666.3
153°	696.3
154°	734.4
155°	782.4
156°	848.3
157°	934.4
158°	1045.0
159°	1177.4
160°	1329.9
161°	1491.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1667.1
163°	1841.5
164°	2025.6
165°	2202.2
166°	2364.5
167°	2518.2
168°	2657.6
169°	2787.8
170°	2907.7
171°	3017.7
172°	3120.7
173°	3210.6
174°	3283.1
175°	3338.1
176°	3379.0
177°	3406.7
178°	3430.2
179°	3452.5
180°	3467.8

(END OF REPORT)