

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: P222038

Luminaire Tested: **9004-W2-FL-LED3097-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222038
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-L3-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: 3917.2 lumens
Efficiency: N/A
Efficacy: 69.2 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

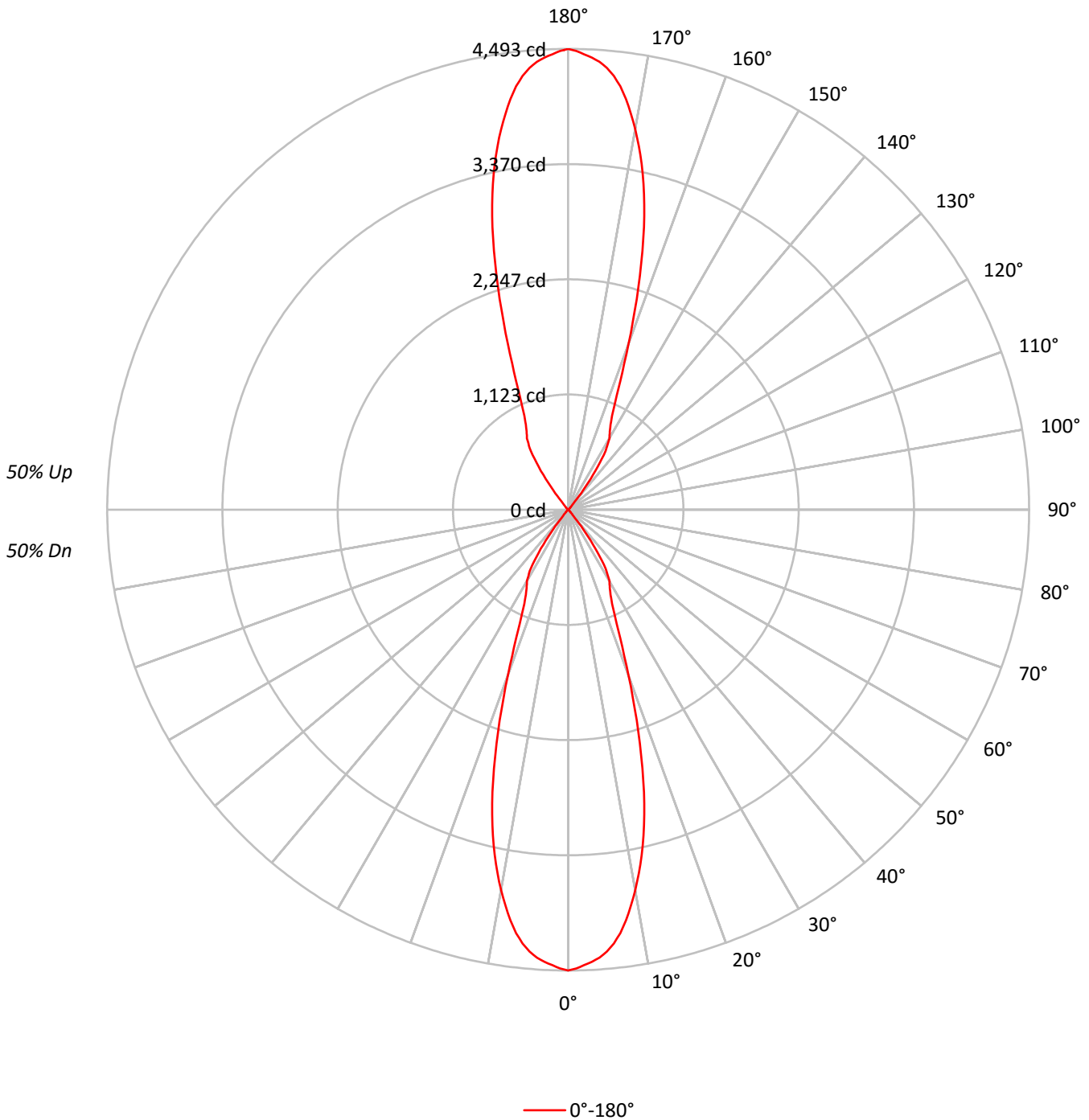
Input Watts (W): 56.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	554155
5°	535470
10°	471823
15°	364319
20°	226164
25°	137948
30°	114398
35°	69823
40°	11819
45°	4309
50°	940
55°	452
60°	345
65°	409
70°	252
75°	334
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.1	10.1
10°-20°	764.0	19.5
20°-30°	497.5	12.7
30°-40°	276.3	7.1
40°-50°	21.6	0.6
50°-60°	2.3	0.1
60°-70°	1.3	0.0
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.3	0.0
120°-130°	2.3	0.1
130°-140°	21.6	0.6
140°-150°	276.3	7.1
150°-160°	497.5	12.7
160°-170°	764.0	19.5
170°-180°	395.1	10.1
0°-30°	1656.5	42.3
0°-40°	1932.8	49.3
0°-60°	1956.7	50.0
0°-90°	1958.6	50.0
90°-120°	1.9	0.0
90°-150°	302.1	7.7
90°-180°	1959.0	50.0
0°-180°	3917.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4493	
5°	4325	395
15°	2853	764
25°	1014	498
35°	464	276
45°	25	22
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	2	2
135°	25	22
145°	464	276
155°	1014	498
165°	2853	764
175°	4325	395
180°	4493	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4492.7
1°	4472.9
2°	4444.0
3°	4413.6
4°	4377.6
5°	4324.7
6°	4253.4
7°	4159.5
8°	4043.1
9°	3909.6
10°	3767.1
11°	3611.8
12°	3443.1
13°	3262.4
14°	3063.3
15°	2853.0
16°	2624.3
17°	2385.7
18°	2159.9
19°	1932.6
20°	1723.0
21°	1525.3
22°	1353.8
23°	1210.5
24°	1099.0
25°	1013.6
26°	951.5
27°	902.1
28°	863.2
29°	832.2
30°	803.2
32.5°	681.1
35°	463.7
37.5°	237.9
40°	73.4
42.5°	35.3
45°	24.7
47.5°	15.5
50°	4.9
52.5°	2.8
55°	2.1
57.5°	2.1
60°	1.4
62.5°	1.4
65°	1.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
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°	0.7
105°	0.7
107.5°	0.7
110°	0.7
112.5°	1.4
115°	1.4
117.5°	1.4
120°	1.4
122.5°	2.1
125°	2.1
127.5°	2.8
130°	4.9
132.5°	15.5
135°	24.7
137.5°	35.3
140°	73.4
142.5°	237.9
145°	463.7
147.5°	681.1
150°	803.2
151°	832.2
152°	863.2
153°	902.1
154°	951.5
155°	1013.6
156°	1099.0
157°	1210.5
158°	1353.8
159°	1525.3
160°	1723.0
161°	1932.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	2159.9
163°	2385.7
164°	2624.3
165°	2853.0
166°	3063.3
167°	3262.4
168°	3443.1
169°	3611.8
170°	3767.1
171°	3909.6
172°	4043.1
173°	4159.5
174°	4253.4
175°	4324.7
176°	4377.6
177°	4413.6
178°	4444.0
179°	4472.9
180°	4492.7

(END OF REPORT)