

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: P222020

Luminaire Tested: **9004-W2-FL-LED3090-M-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29497)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED3090-M-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4511.0 lumens
Efficiency: N/A
Efficacy: 78.9 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

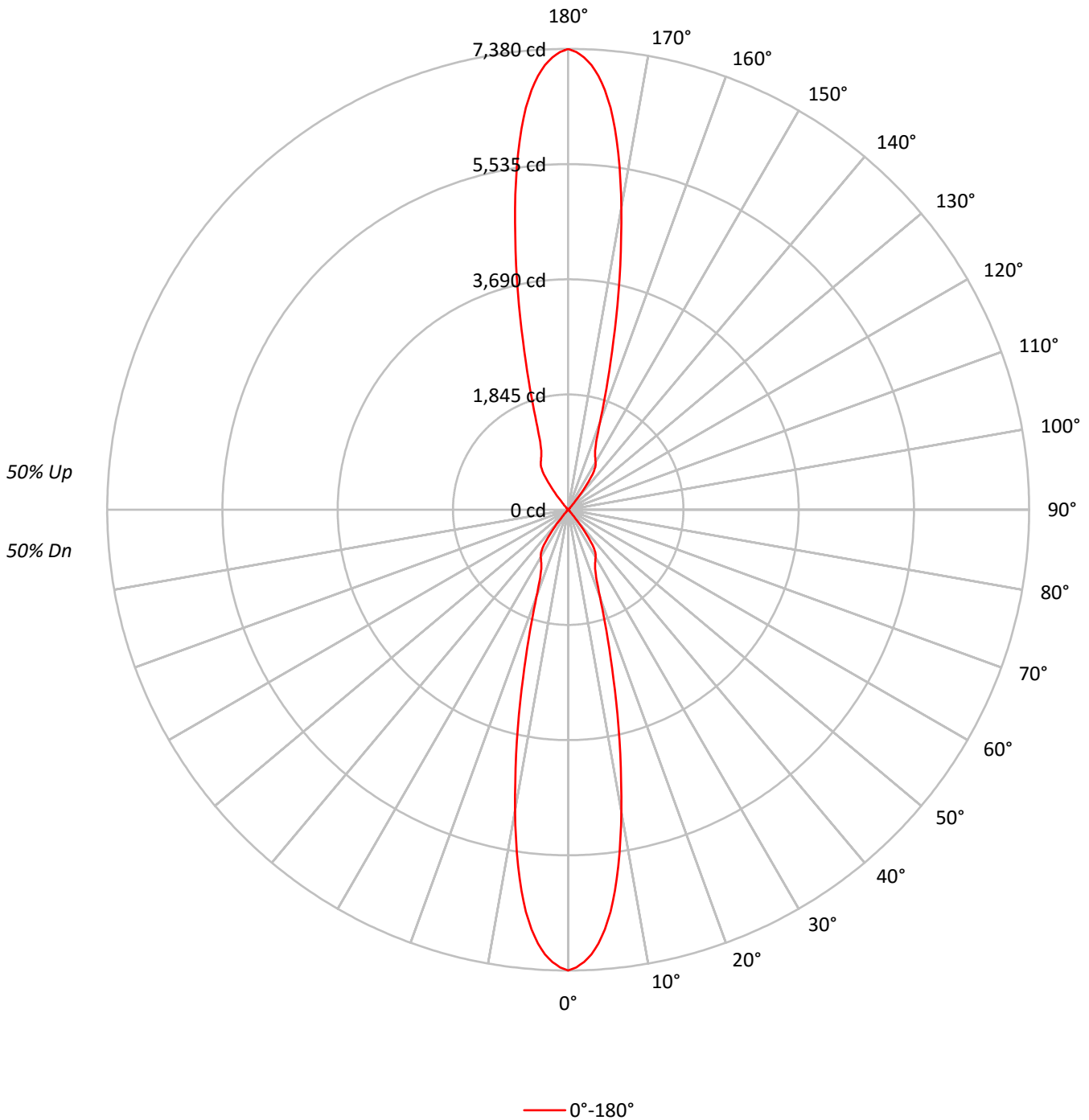
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	94	92	93	90	88	86	77	76	74		65	64	63		54	53	53	48
2	94	89	84	81	87	83	79	76	72	69	67		61	59	58		52	51	50	45
3	89	82	76	72	82	76	72	68	67	63	61		58	56	54		49	48	47	43
4	83	75	69	65	78	71	66	62	62	59	56		55	52	50		47	46	44	41
5	79	70	64	59	73	66	61	57	59	55	52		52	49	47		45	43	42	39
6	74	65	59	55	70	62	56	52	55	51	48		49	46	44		43	41	40	38
7	70	61	55	51	66	58	53	49	52	48	45		47	44	42		42	40	38	36
8	67	57	51	47	63	55	49	46	49	45	42		45	42	39		40	38	36	34
9	64	54	48	44	60	52	46	43	47	43	40		43	40	38		38	36	35	33
10	61	51	45	42	57	49	44	40	45	41	38		41	38	36		37	35	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	910254
5°	835268
10°	613730
15°	357296
20°	194845
25°	138479
30°	124809
35°	98297
40°	21850
45°	5983
50°	1996
55°	1204
60°	789
65°	467
70°	289
75°	381
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.4	13.0
10°-20°	779.9	17.3
20°-30°	487.7	10.8
30°-40°	361.8	8.0
40°-50°	33.7	0.7
50°-60°	5.4	0.1
60°-70°	1.9	0.0
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	1.9	0.0
120°-130°	5.4	0.1
130°-140°	33.7	0.7
140°-150°	361.8	8.0
150°-160°	487.7	10.8
160°-170°	779.9	17.3
170°-180°	584.4	13.0
0°-30°	1852.0	41.1
0°-40°	2213.8	49.1
0°-60°	2252.9	49.9
0°-90°	2255.5	50.0
90°-120°	2.6	0.1
90°-150°	403.5	8.9
90°-180°	2256.0	50.0
0°-180°	4511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7380	
5°	6746	584
15°	2798	780
25°	1018	488
35°	653	362
45°	34	34
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	6	5
135°	34	34
145°	653	362
155°	1018	488
165°	2798	780
175°	6746	584
180°	7380	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7379.7
1°	7331.0
2°	7248.0
3°	7128.3
4°	6963.9
5°	6746.0
6°	6475.5
7°	6149.1
8°	5768.4
9°	5343.8
10°	4900.1
11°	4446.0
12°	4006.3
13°	3577.7
14°	3170.7
15°	2798.0
16°	2458.8
17°	2162.8
18°	1897.0
19°	1671.9
20°	1484.4
21°	1336.0
22°	1217.0
23°	1129.3
24°	1064.6
25°	1017.5
26°	982.4
27°	952.1
28°	924.2
29°	900.2
30°	876.3
32.5°	810.0
35°	652.8
37.5°	395.0
40°	135.7
42.5°	47.1
45°	34.3
47.5°	24.7
50°	10.4
52.5°	8.0
55°	5.6
57.5°	4.0
60°	3.2
62.5°	2.4
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	1.6
115°	1.6
117.5°	2.4
120°	3.2
122.5°	4.0
125°	5.6
127.5°	8.0
130°	10.4
132.5°	24.7
135°	34.3
137.5°	47.1
140°	135.7
142.5°	395.0
145°	652.8
147.5°	810.0
150°	876.3
151°	900.2
152°	924.2
153°	952.1
154°	982.4
155°	1017.5
156°	1064.6
157°	1129.3
158°	1217.0
159°	1336.0
160°	1484.4
161°	1671.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	1897.0
163°	2162.8
164°	2458.8
165°	2798.0
166°	3170.7
167°	3577.7
168°	4006.3
169°	4446.0
170°	4900.1
171°	5343.8
172°	5768.4
173°	6149.1
174°	6475.5
175°	6746.0
176°	6963.9
177°	7128.3
178°	7248.0
179°	7331.0
180°	7379.7

(END OF REPORT)