

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: P221777

Luminaire Tested: **9004-W2-[RW, RI]-LED3090-M-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29492)
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]-LED3090-M-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3950.3 lumens
Efficiency: N/A
Efficacy: 69.3 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

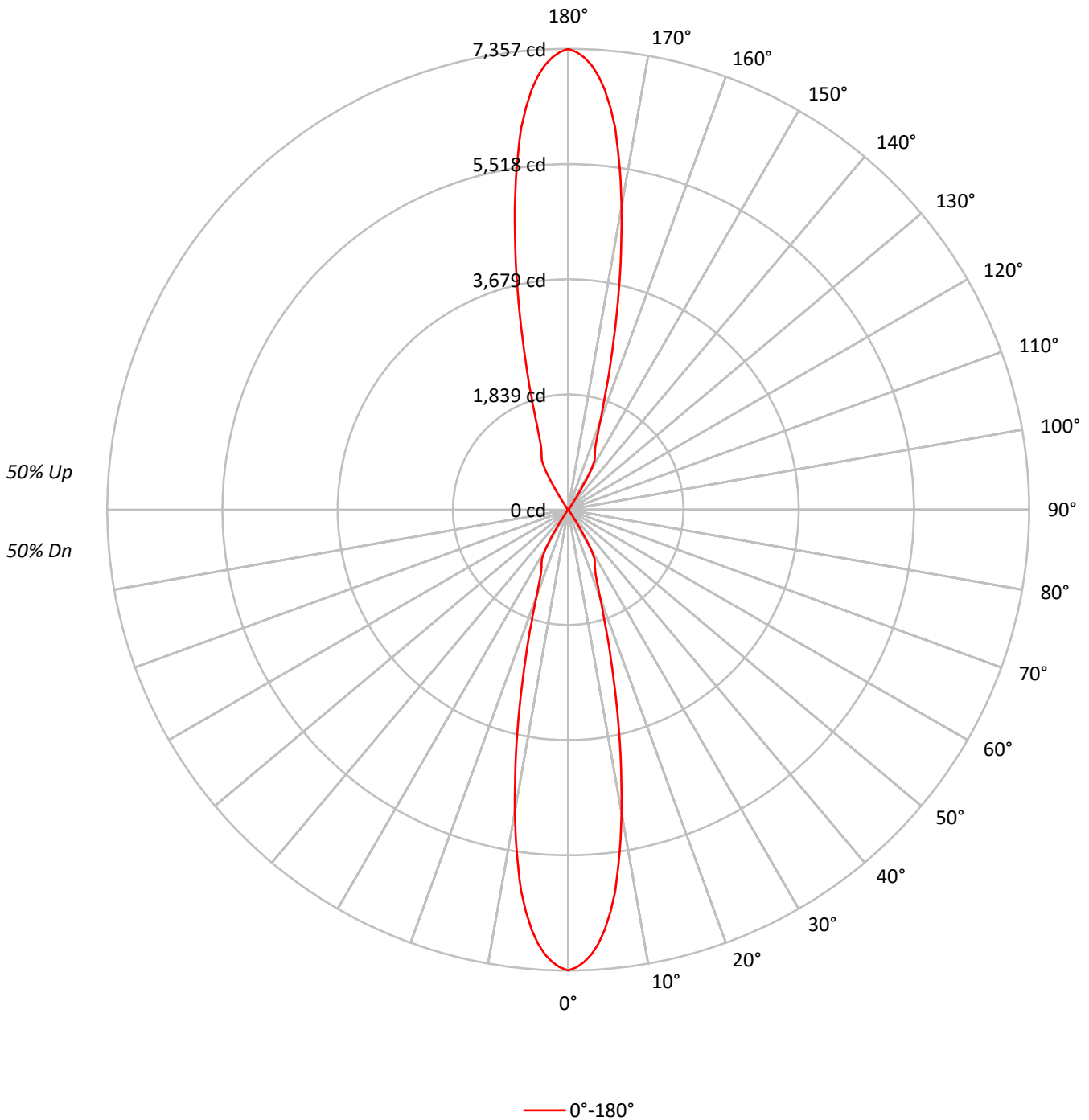
Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	92	93	91	88	86	77	76	74		65	64	63		54	54	53	48
2	95	89	85	81	88	83	80	77	72	70	67		62	60	59		52	51	50	46
3	89	82	77	73	83	77	73	69	68	64	62		59	57	55		50	49	48	44
4	84	76	71	66	79	72	67	63	64	60	57		56	53	51		48	47	46	43
5	80	71	65	61	75	67	62	58	60	56	53		53	51	49		47	45	44	41
6	76	67	61	57	71	63	58	54	57	53	50		51	48	46		45	43	42	40
7	72	63	57	53	68	60	55	51	54	50	47		49	46	44		43	42	40	38
8	68	59	53	50	64	57	51	48	51	48	45		47	44	42		42	40	39	37
9	65	56	51	47	62	54	49	45	49	45	43		45	42	40		41	39	37	36
10	62	53	48	44	59	51	46	43	47	43	41		43	40	38		39	37	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	907404
5°	832507
10°	614231
15°	358522
20°	194425
25°	137403
30°	99571
35°	12377
40°	4235
45°	1675
50°	1075
55°	860
60°	592
65°	467
70°	289
75°	381
80°	568
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.0	14.8
10°-20°	781.8	19.8
20°-30°	474.3	12.0
30°-40°	121.4	3.1
40°-50°	8.7	0.2
50°-60°	3.6	0.1
60°-70°	1.6	0.0
70°-80°	0.8	0.0
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	0.8	0.0
110°-120°	1.6	0.0
120°-130°	3.6	0.1
130°-140°	8.7	0.2
140°-150°	121.4	3.1
150°-160°	474.3	12.0
160°-170°	781.8	19.8
170°-180°	583.0	14.8
0°-30°	1839.0	46.6
0°-40°	1960.4	49.6
0°-60°	1972.6	49.9
0°-90°	1975.1	50.0
90°-120°	2.5	0.1
90°-150°	136.1	3.4
90°-180°	1975.0	50.0
0°-180°	3950.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7357	
5°	6724	583
15°	2808	782
25°	1010	474
35°	82	121
45°	10	9
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	4	4
135°	10	9
145°	82	121
155°	1010	474
165°	2808	782
175°	6724	583
180°	7357	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7356.6
1°	7309.5
2°	7225.7
3°	7106.0
4°	6942.4
5°	6723.7
6°	6450.8
7°	6143.5
8°	5750.9
9°	5331.9
10°	4904.1
11°	4454.0
12°	4011.9
13°	3588.9
14°	3182.7
15°	2807.6
16°	2472.4
17°	2169.9
18°	1900.2
19°	1672.7
20°	1481.2
21°	1330.4
22°	1210.7
23°	1122.1
24°	1059.0
25°	1009.6
26°	969.6
27°	935.3
28°	894.6
29°	820.4
30°	699.1
32.5°	332.8
35°	82.2
37.5°	44.7
40°	26.3
42.5°	12.0
45°	9.6
47.5°	8.0
50°	5.6
52.5°	4.8
55°	4.0
57.5°	3.2
60°	2.4
62.5°	2.4
65°	1.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
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°	0.8
102.5°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	0.8
115°	1.6
117.5°	2.4
120°	2.4
122.5°	3.2
125°	4.0
127.5°	4.8
130°	5.6
132.5°	8.0
135°	9.6
137.5°	12.0
140°	26.3
142.5°	44.7
145°	82.2
147.5°	332.8
150°	699.1
151°	820.4
152°	894.6
153°	935.3
154°	969.6
155°	1009.6
156°	1059.0
157°	1122.1
158°	1210.7
159°	1330.4
160°	1481.2
161°	1672.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1900.2
163°	2169.9
164°	2472.4
165°	2807.6
166°	3182.7
167°	3588.9
168°	4011.9
169°	4454.0
170°	4904.1
171°	5331.9
172°	5750.9
173°	6143.5
174°	6450.8
175°	6723.7
176°	6942.4
177°	7106.0
178°	7225.7
179°	7309.5
180°	7356.6

(END OF REPORT)