

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: P222028

Luminaire Tested: **9004-W2-FL-LED3090-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3437.5 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

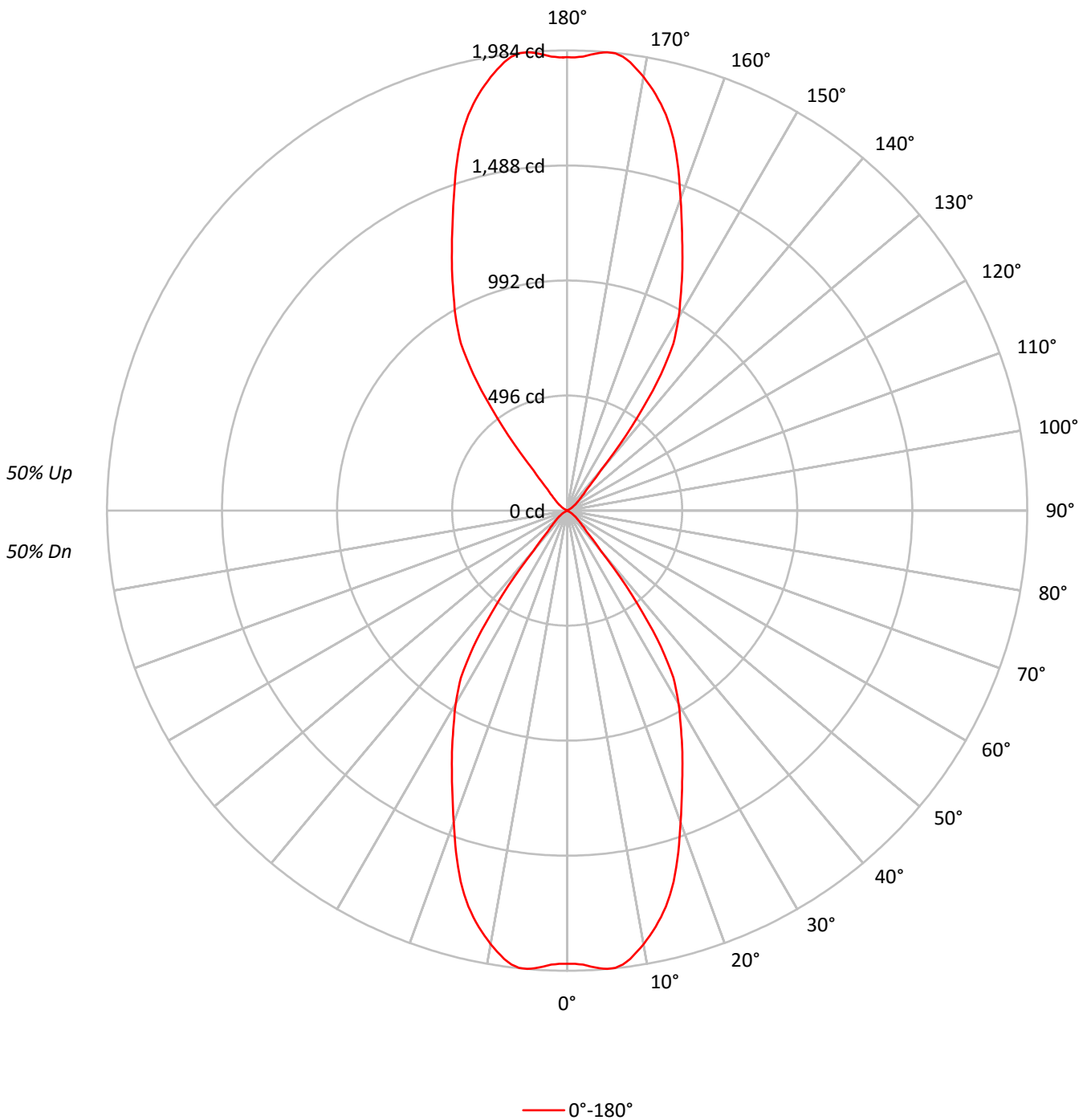
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	90	87	85	76	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	81	77	74	70	67	65		60	58	56		50	49	48	43
3	87	80	74	69	81	74	69	65	65	61	58		56	53	51		47	46	44	40
4	81	73	66	61	76	68	63	58	60	56	52		52	49	47		44	42	41	38
5	76	67	60	55	71	63	57	53	55	51	48		48	45	43		42	40	38	35
6	71	61	55	50	66	58	52	48	51	47	43		45	42	39		39	37	35	33
7	67	57	50	45	62	54	48	44	48	43	40		42	39	36		37	35	33	31
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	42	38	56	46	41	37	42	37	34		37	34	31		33	31	29	27
10	56	46	39	35	52	43	38	34	39	35	32		35	32	29		31	29	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	241091
5°	245591
10°	237784
15°	219000
20°	187665
25°	160050
30°	136873
35°	102317
40°	36309
45°	16973
50°	11226
55°	7548
60°	3799
65°	905
70°	649
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	5.4
10°-20°	473.3	13.8
20°-30°	540.3	15.7
30°-40°	396.7	11.5
40°-50°	84.2	2.4
50°-60°	31.8	0.9
60°-70°	4.5	0.1
70°-80°	1.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	1.2	0.0
110°-120°	4.5	0.1
120°-130°	31.8	0.9
130°-140°	84.2	2.4
140°-150°	396.7	11.5
150°-160°	540.3	15.7
160°-170°	473.3	13.8
170°-180°	186.6	5.4
0°-30°	1200.3	34.9
0°-40°	1597.0	46.5
0°-60°	1713.0	49.8
0°-90°	1718.8	50.0
90°-120°	5.7	0.2
90°-150°	518.4	15.1
90°-180°	1719.0	50.0
0°-180°	3437.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1955	
5°	1984	187
15°	1715	473
25°	1176	540
35°	680	397
45°	97	84
55°	35	32
65°	3	5
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	3	5
125°	35	32
135°	97	84
145°	680	397
155°	1176	540
165°	1715	473
175°	1984	187
180°	1955	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1954.6
1°	1954.0
2°	1958.9
3°	1968.7
4°	1978.0
5°	1983.5
6°	1982.3
7°	1971.8
8°	1951.5
9°	1926.2
10°	1898.5
11°	1867.1
12°	1835.1
13°	1798.7
14°	1759.3
15°	1715.0
16°	1664.4
17°	1608.4
18°	1550.5
19°	1489.5
20°	1429.7
21°	1374.3
22°	1320.7
23°	1270.2
24°	1222.2
25°	1176.0
26°	1131.0
27°	1085.4
28°	1041.7
29°	1001.0
30°	961.0
32.5°	853.2
35°	679.5
37.5°	458.9
40°	225.5
42.5°	126.9
45°	97.3
47.5°	76.4
50°	58.5
52.5°	46.2
55°	35.1
57.5°	25.3
60°	15.4
62.5°	4.3
65°	3.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.5
70°	1.8
72.5°	1.8
75°	1.2
77.5°	0.6
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°	0.6
105°	1.2
107.5°	1.8
110°	1.8
112.5°	2.5
115°	3.1
117.5°	4.3
120°	15.4
122.5°	25.3
125°	35.1
127.5°	46.2
130°	58.5
132.5°	76.4
135°	97.3
137.5°	126.9
140°	225.5
142.5°	458.9
145°	679.5
147.5°	853.2
150°	961.0
151°	1001.0
152°	1041.7
153°	1085.4
154°	1131.0
155°	1176.0
156°	1222.2
157°	1270.2
158°	1320.7
159°	1374.3
160°	1429.7
161°	1489.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	1550.5
163°	1608.4
164°	1664.4
165°	1715.0
166°	1759.3
167°	1798.7
168°	1835.1
169°	1867.1
170°	1898.5
171°	1926.2
172°	1951.5
173°	1971.8
174°	1982.3
175°	1983.5
176°	1978.0
177°	1968.7
178°	1958.9
179°	1954.0
180°	1954.6

(END OF REPORT)