

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: P221983

Luminaire Tested: **9004-W2-FL-LED2790-W-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221983  
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-LED2790-W-WT-L2-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3249.6 lumens  
Efficiency: N/A  
Efficacy: 80.8 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

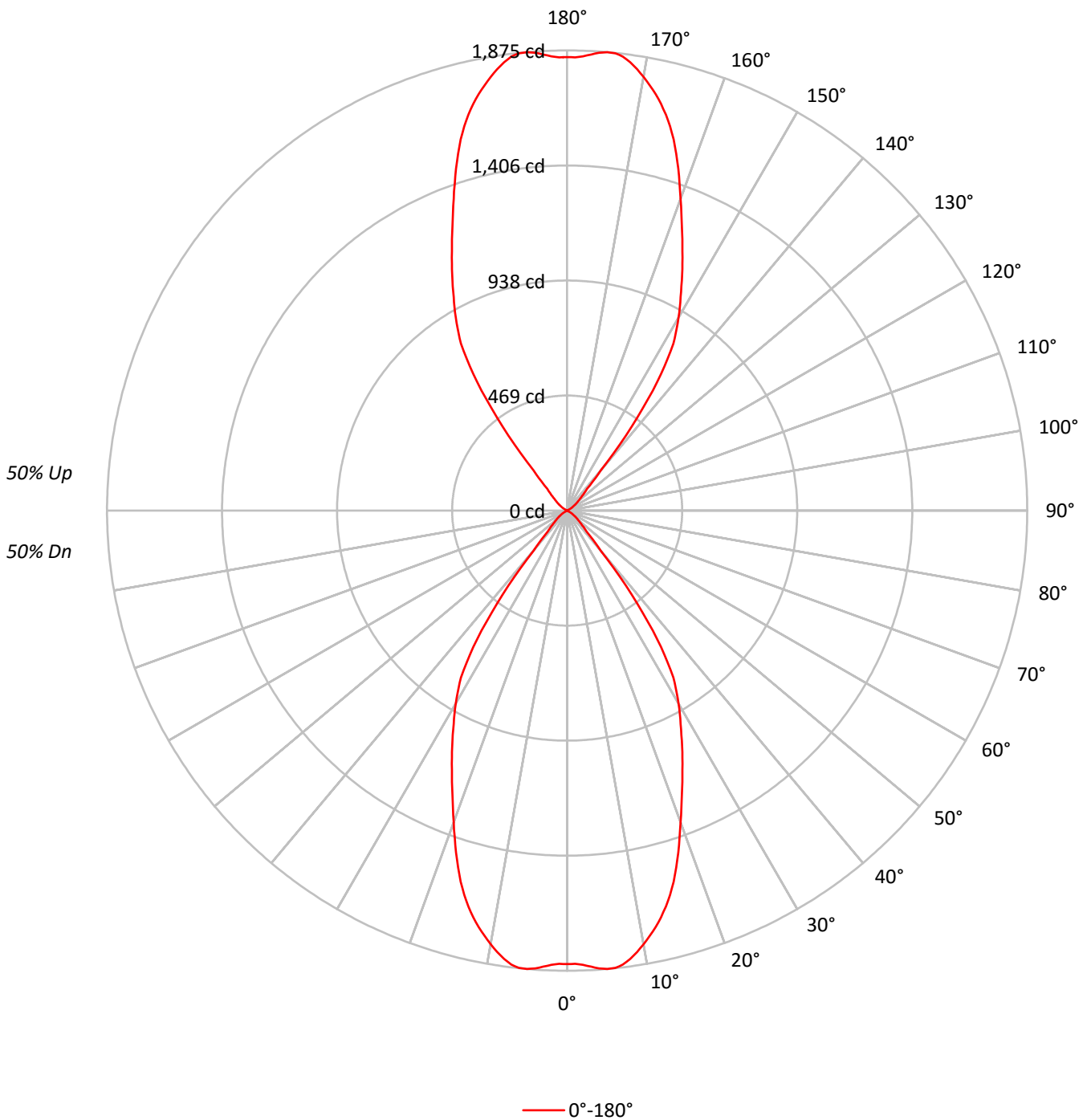
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	227906
5°	232169
10°	224783
15°	207022
20°	177413
25°	151299
30°	129381
35°	96716
40°	34313
45°	16048
50°	10612
55°	7140
60°	3602
65°	846
70°	613
75°	572
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.4	5.4
10°-20°	447.5	13.8
20°-30°	510.8	15.7
30°-40°	375.0	11.5
40°-50°	79.6	2.4
50°-60°	30.1	0.9
60°-70°	4.3	0.1
70°-80°	1.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	1.1	0.0
110°-120°	4.3	0.1
120°-130°	30.1	0.9
130°-140°	79.6	2.4
140°-150°	375.0	11.5
150°-160°	510.8	15.7
160°-170°	447.5	13.8
170°-180°	176.4	5.4
0°-30°	1134.7	34.9
0°-40°	1509.7	46.5
0°-60°	1619.4	49.8
0°-90°	1624.8	50.0
90°-120°	5.4	0.2
90°-150°	490.1	15.1
90°-180°	1625.0	50.0
0°-180°	3249.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1848	
5°	1875	176
15°	1621	447
25°	1112	511
35°	642	375
45°	92	80
55°	33	30
65°	3	4
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	3	4
125°	33	30
135°	92	80
145°	642	375
155°	1112	511
165°	1621	447
175°	1875	176
180°	1848	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1847.7
1°	1847.1
2°	1851.8
3°	1861.1
4°	1869.9
5°	1875.1
6°	1873.9
7°	1864.0
8°	1844.8
9°	1820.9
10°	1794.7
11°	1765.0
12°	1734.8
13°	1700.4
14°	1663.1
15°	1621.2
16°	1573.5
17°	1520.5
18°	1465.7
19°	1408.1
20°	1351.6
21°	1299.2
22°	1248.5
23°	1200.8
24°	1155.3
25°	1111.7
26°	1069.2
27°	1026.1
28°	984.7
29°	946.3
30°	908.4
32.5°	806.5
35°	642.3
37.5°	433.8
40°	213.1
42.5°	120.0
45°	92.0
47.5°	72.2
50°	55.3
52.5°	43.7
55°	33.2
57.5°	23.9
60°	14.6
62.5°	4.1
65°	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2.3
70°	1.7
72.5°	1.7
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°	1.7
110°	1.7
112.5°	2.3
115°	2.9
117.5°	4.1
120°	14.6
122.5°	23.9
125°	33.2
127.5°	43.7
130°	55.3
132.5°	72.2
135°	92.0
137.5°	120.0
140°	213.1
142.5°	433.8
145°	642.3
147.5°	806.5
150°	908.4
151°	946.3
152°	984.7
153°	1026.1
154°	1069.2
155°	1111.7
156°	1155.3
157°	1200.8
158°	1248.5
159°	1299.2
160°	1351.6
161°	1408.1



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	1465.7
163°	1520.5
164°	1573.5
165°	1621.2
166°	1663.1
167°	1700.4
168°	1734.8
169°	1765.0
170°	1794.7
171°	1820.9
172°	1844.8
173°	1864.0
174°	1873.9
175°	1875.1
176°	1869.9
177°	1861.1
178°	1851.8
179°	1847.1
180°	1847.7

(END OF REPORT)