

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: P221309

Luminaire Tested: **9002-W2-FL-LED2797-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED2797-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

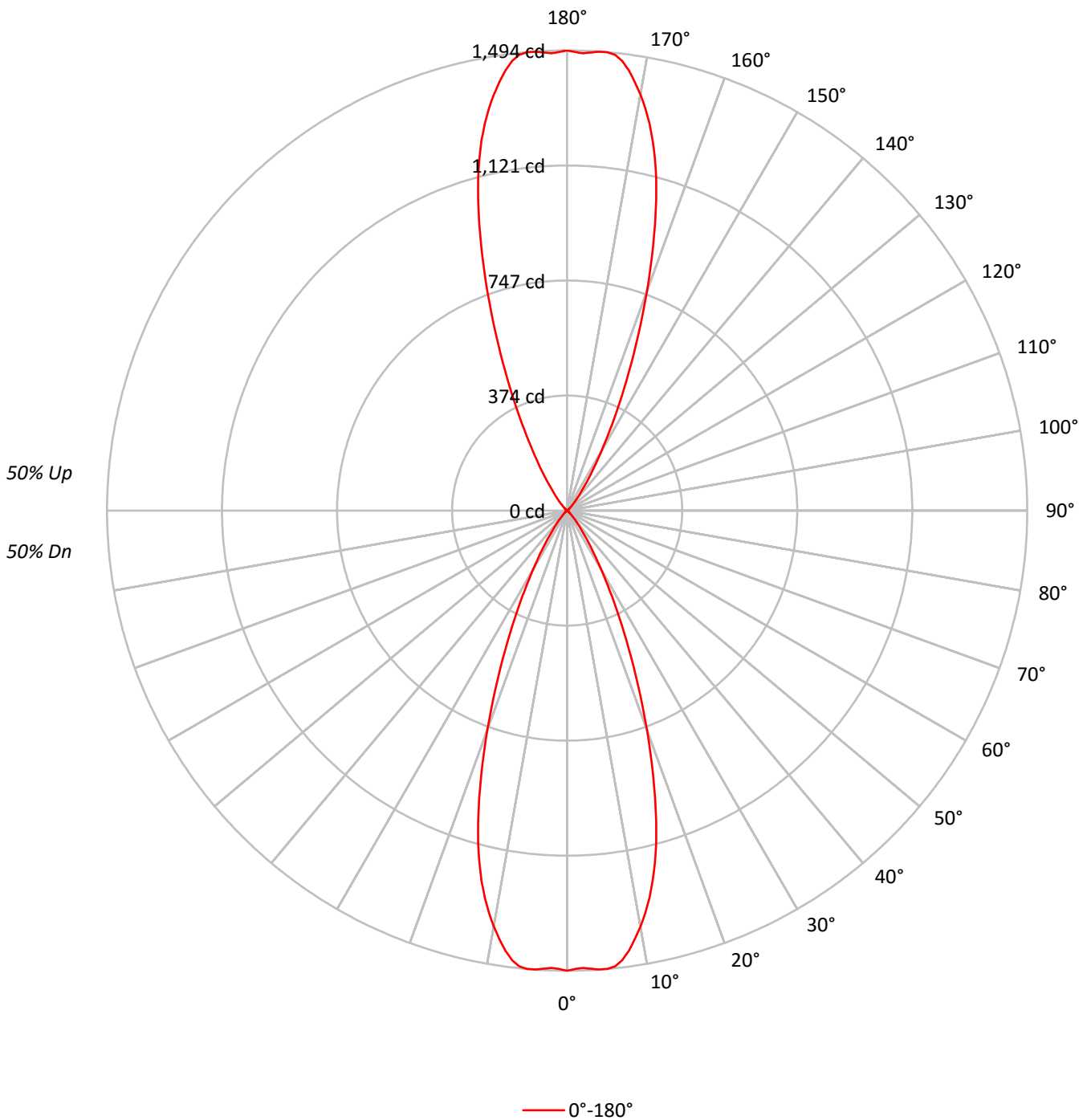
Lumens per Lamp: N/A
Luminaire Lumens: 1464.7 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 20
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	48	44	59	51	46	42	46	42	40		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°	737010
5°	739826
10°	686908
15°	570239
20°	397090
25°	238059
30°	125791
35°	59990
40°	27888
45°	12071
50°	6064
55°	3097
60°	2171
65°	1634
70°	2020
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.8	9.5
10°-20°	301.3	20.6
20°-30°	202.9	13.9
30°-40°	68.2	4.7
40°-50°	15.3	1.0
50°-60°	3.8	0.3
60°-70°	1.7	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.7	0.1
120°-130°	3.8	0.3
130°-140°	15.3	1.0
140°-150°	68.2	4.7
150°-160°	202.9	13.9
160°-170°	301.3	20.6
170°-180°	138.8	9.5
0°-30°	643.0	43.9
0°-40°	711.1	48.6
0°-60°	730.3	49.9
0°-90°	732.4	50.0
90°-120°	2.2	0.2
90°-150°	89.6	6.1
90°-180°	733.0	50.0
0°-180°	1464.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1494	
5°	1494	139
15°	1116	301
25°	437	203
35°	100	68
45°	17	15
55°	4	4
65°	1	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	1	2
125°	4	4
135°	17	15
145°	100	68
155°	437	203
165°	1116	301
175°	1494	139
180°	1494	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1493.8
1°	1488.8
2°	1485.9
3°	1489.5
4°	1493.8
5°	1493.8
6°	1488.0
7°	1470.7
8°	1442.6
9°	1407.9
10°	1371.1
11°	1330.0
12°	1285.2
13°	1234.7
14°	1178.4
15°	1116.4
16°	1047.8
17°	977.1
18°	902.8
19°	829.2
20°	756.3
21°	685.6
22°	617.7
23°	553.5
24°	493.6
25°	437.3
26°	385.4
27°	338.5
28°	294.4
29°	255.5
30°	220.8
32.5°	149.4
35°	99.6
37.5°	66.4
40°	43.3
42.5°	26.7
45°	17.3
47.5°	11.5
50°	7.9
52.5°	5.8
55°	3.6
57.5°	2.9
60°	2.2
62.5°	2.2
65°	1.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.4
70°	1.4
72.5°	0.7
75°	0.0
77.5°	0.0
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°	0.0
105°	0.0
107.5°	0.7
110°	1.4
112.5°	1.4
115°	1.4
117.5°	2.2
120°	2.2
122.5°	2.9
125°	3.6
127.5°	5.8
130°	7.9
132.5°	11.5
135°	17.3
137.5°	26.7
140°	43.3
142.5°	66.4
145°	99.6
147.5°	149.4
150°	220.8
151°	255.5
152°	294.4
153°	338.5
154°	385.4
155°	437.3
156°	493.6
157°	553.5
158°	617.7
159°	685.6
160°	756.3
161°	829.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	902.8
163°	977.1
164°	1047.8
165°	1116.4
166°	1178.4
167°	1234.7
168°	1285.2
169°	1330.0
170°	1371.1
171°	1407.9
172°	1442.6
173°	1470.7
174°	1488.0
175°	1493.8
176°	1493.8
177°	1489.5
178°	1485.9
179°	1488.8
180°	1493.8

(END OF REPORT)