

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: P222034

Luminaire Tested: **9004-W2-FL-LED3097-F-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29498)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED3097-F-BK-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

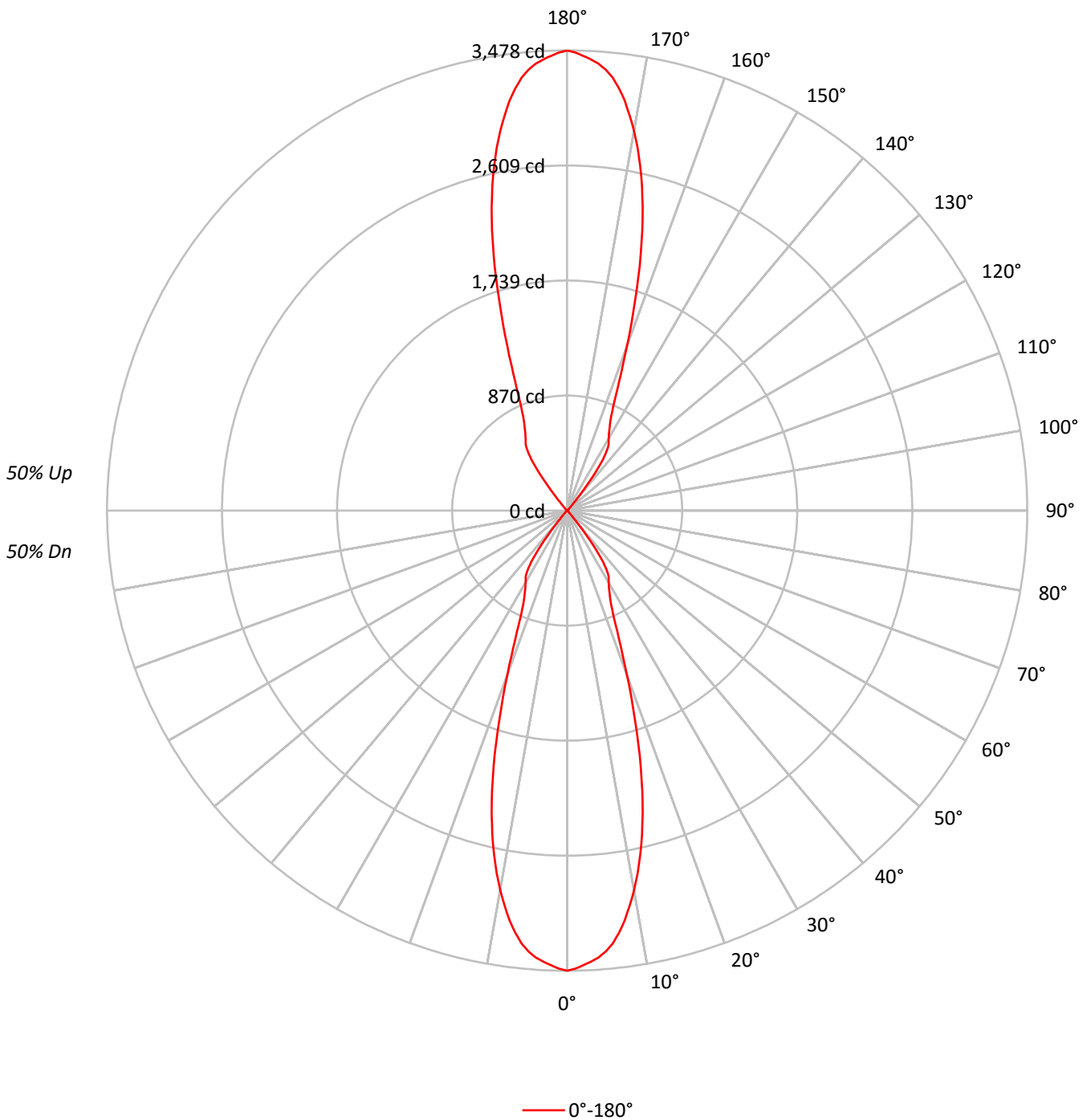
Lumens per Lamp: N/A
Luminaire Lumens: 3128.1 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 40.2
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	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	66		61	59	58		51	50	49	45
3	88	81	76	71	82	76	71	68	66	63	60		57	55	53		49	48	46	43
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	41
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		45	43	41	38
6	74	64	58	54	69	61	55	52	54	50	47		48	45	43		43	41	39	37
7	70	60	54	50	65	57	52	48	51	47	44		46	43	41		41	39	37	35
8	66	56	50	46	62	54	48	44	48	44	41		44	41	38		39	37	35	33
9	63	53	47	43	59	50	45	42	46	42	39		41	38	36		37	35	34	32
10	60	50	44	40	56	48	43	39	44	39	37		40	37	34		36	34	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	428947
5°	414254
10°	364723
15°	280167
20°	173279
25°	107367
30°	89473
35°	71615
40°	15619
45°	3332
50°	633
55°	344
60°	271
65°	146
70°	180
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.5	9.8
10°-20°	588.4	18.8
20°-30°	386.4	12.4
30°-40°	260.5	8.3
40°-50°	20.6	0.7
50°-60°	1.4	0.0
60°-70°	0.7	0.0
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	0.7	0.0
120°-130°	1.4	0.0
130°-140°	20.6	0.7
140°-150°	260.5	8.3
150°-160°	386.4	12.4
160°-170°	588.4	18.8
170°-180°	305.5	9.8
0°-30°	1280.3	40.9
0°-40°	1540.8	49.3
0°-60°	1562.9	50.0
0°-90°	1564.0	50.0
90°-120°	1.2	0.0
90°-150°	283.7	9.1
90°-180°	1564.0	50.0
0°-180°	3128.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3478	
5°	3346	306
15°	2194	588
25°	789	386
35°	476	261
45°	19	21
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	2	1
135°	19	21
145°	476	261
155°	789	386
165°	2194	588
175°	3346	306
180°	3478	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3477.6
1°	3462.3
2°	3440.0
3°	3415.5
4°	3386.6
5°	3345.7
6°	3289.6
7°	3216.6
8°	3126.7
9°	3022.6
10°	2912.0
11°	2790.6
12°	2658.2
13°	2513.8
14°	2360.1
15°	2194.0
16°	2019.1
17°	1838.2
18°	1657.3
19°	1487.4
20°	1320.1
21°	1175.2
22°	1045.0
23°	937.1
24°	853.7
25°	788.9
26°	742.0
27°	706.1
28°	675.6
29°	650.5
30°	628.2
32.5°	581.3
35°	475.6
37.5°	282.8
40°	97.0
42.5°	28.9
45°	19.1
47.5°	12.0
50°	3.3
52.5°	1.6
55°	1.6
57.5°	1.1
60°	1.1
62.5°	1.1
65°	0.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
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°	0.5
105°	0.5
107.5°	0.5
110°	0.5
112.5°	0.5
115°	0.5
117.5°	1.1
120°	1.1
122.5°	1.1
125°	1.6
127.5°	1.6
130°	3.3
132.5°	12.0
135°	19.1
137.5°	28.9
140°	97.0
142.5°	282.8
145°	475.6
147.5°	581.3
150°	628.2
151°	650.5
152°	675.6
153°	706.1
154°	742.0
155°	788.9
156°	853.7
157°	937.1
158°	1045.0
159°	1175.2
160°	1320.1
161°	1487.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1657.3
163°	1838.2
164°	2019.1
165°	2194.0
166°	2360.1
167°	2513.8
168°	2658.2
169°	2790.6
170°	2912.0
171°	3022.6
172°	3126.7
173°	3216.6
174°	3289.6
175°	3345.7
176°	3386.6
177°	3415.5
178°	3440.0
179°	3462.3
180°	3477.6

(END OF REPORT)