

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: P222110

Luminaire Tested: **9004-W2-FL-LED4080-F-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29495)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED4080-F-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5549.9 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

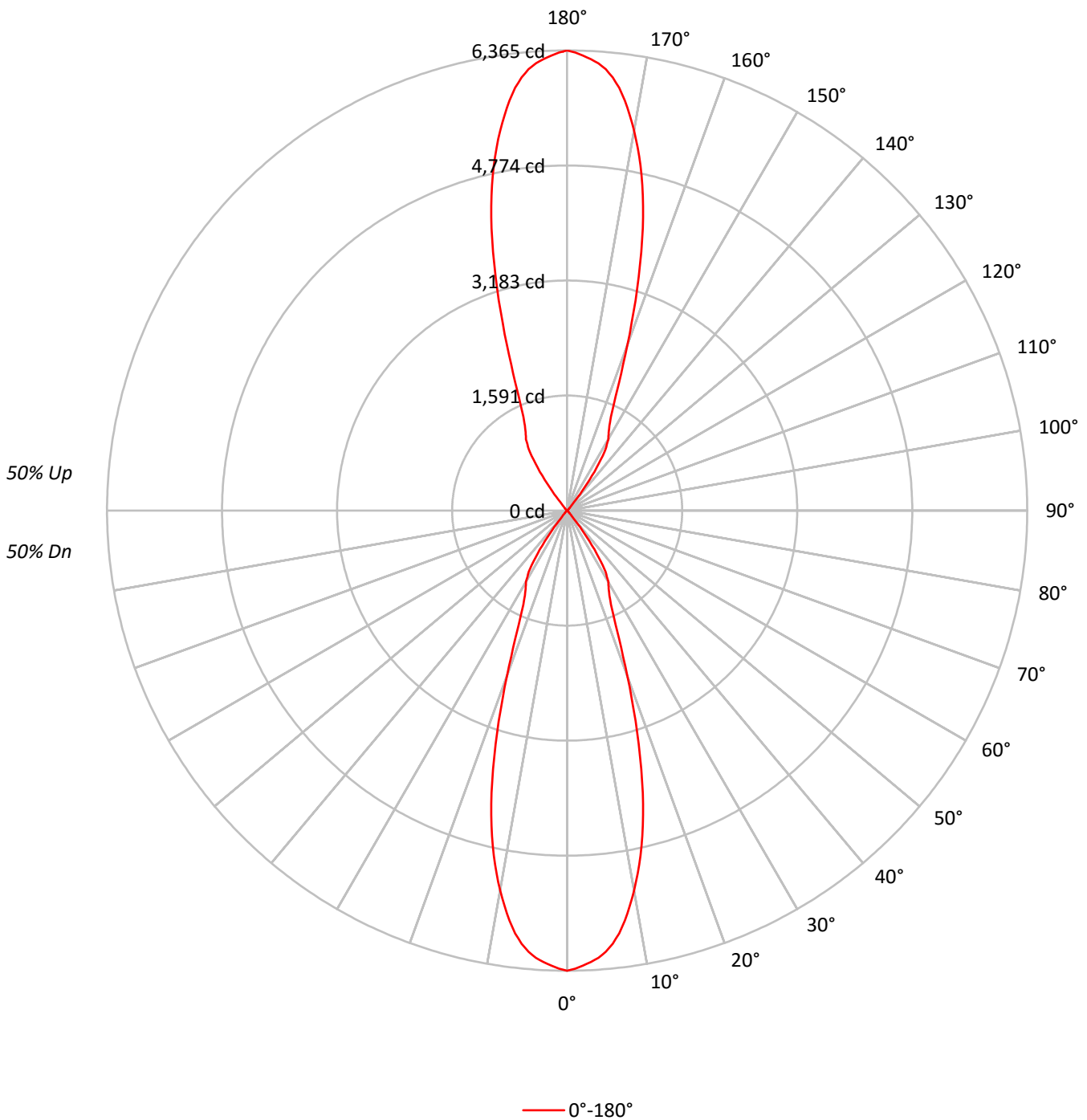
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	47	44	59	51	46	42	46	42	39		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°	785095
5°	758625
10°	668451
15°	516150
20°	320410
25°	195435
30°	162082
35°	98929
40°	16746
45°	6105
50°	1343
55°	645
60°	493
65°	584
70°	361
75°	477
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.7	10.1
10°-20°	1082.3	19.5
20°-30°	704.8	12.7
30°-40°	391.5	7.1
40°-50°	30.6	0.6
50°-60°	3.2	0.1
60°-70°	1.9	0.0
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	1.9	0.0
120°-130°	3.2	0.1
130°-140°	30.6	0.6
140°-150°	391.5	7.1
150°-160°	704.8	12.7
160°-170°	1082.3	19.5
170°-180°	559.7	10.1
0°-30°	2346.9	42.3
0°-40°	2738.3	49.3
0°-60°	2772.2	49.9
0°-90°	2774.9	50.0
90°-120°	2.8	0.1
90°-150°	428.1	7.7
90°-180°	2775.0	50.0
0°-180°	5549.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6365	
5°	6127	560
15°	4042	1082
25°	1436	705
35°	657	391
45°	35	31
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	3	3
135°	35	31
145°	657	391
155°	1436	705
165°	4042	1082
175°	6127	560
180°	6365	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6365
1°	6337
2°	6296
3°	6253
4°	6202
5°	6127
6°	6026
7°	5893
8°	5728
9°	5539
10°	5337
11°	5117
12°	4878
13°	4622
14°	4340
15°	4042
16°	3718
17°	3380
18°	3060
19°	2738
20°	2441
21°	2161
22°	1918
23°	1715
24°	1557
25°	1436
26°	1348
27°	1278
28°	1223
29°	1179
30°	1138
32.5°	965
35°	657
37.5°	337
40°	104
42.5°	50
45°	35
47.5°	22
50°	7
52.5°	4
55°	3
57.5°	3
60°	2
62.5°	2
65°	2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	1
105°	1
107.5°	1
110°	1
112.5°	2
115°	2
117.5°	2
120°	2
122.5°	3
125°	3
127.5°	4
130°	7
132.5°	22
135°	35
137.5°	50
140°	104
142.5°	337
145°	657
147.5°	965
150°	1138
151°	1179
152°	1223
153°	1278
154°	1348
155°	1436
156°	1557
157°	1715
158°	1918
159°	2161
160°	2441
161°	2738



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CANDELA DISTRIBUTION (continued):

	0°
162°	3060
163°	3380
164°	3718
165°	4042
166°	4340
167°	4622
168°	4878
169°	5117
170°	5337
171°	5539
172°	5728
173°	5893
174°	6026
175°	6127
176°	6202
177°	6253
178°	6296
179°	6337
180°	6365

(END OF REPORT)