

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: P222107

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222107
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-LED4080-F-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

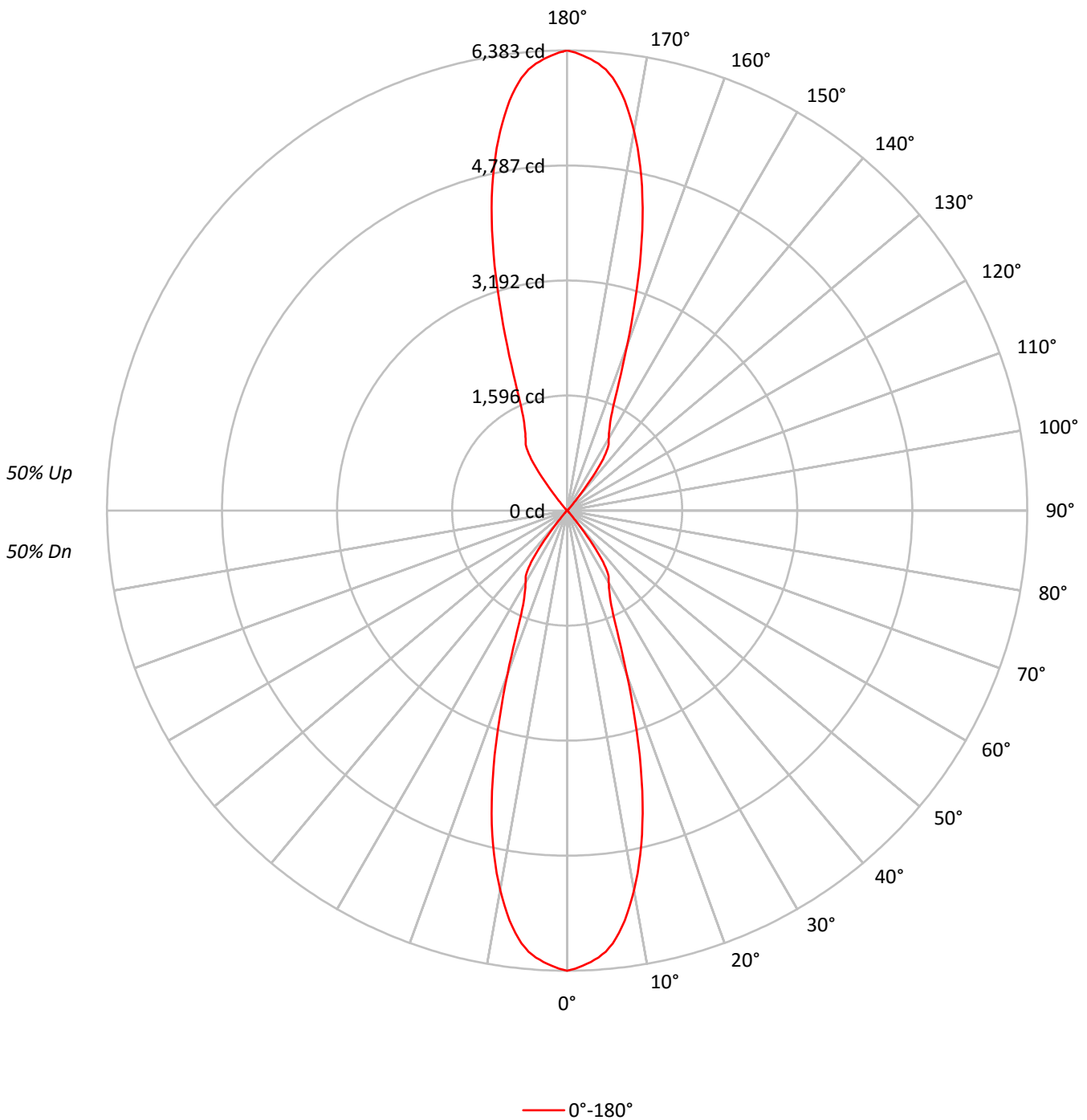
Lumens per Lamp: N/A
Luminaire Lumens: 5741.7 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.56
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 57
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	40
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°	787315
5°	760359
10°	669453
15°	514235
20°	318047
25°	197068
30°	164219
35°	131454
40°	28661
45°	6105
50°	1151
55°	645
60°	493
65°	292
70°	361
75°	477
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.8	9.8
10°-20°	1079.9	18.8
20°-30°	709.2	12.4
30°-40°	478.2	8.3
40°-50°	37.7	0.7
50°-60°	2.7	0.0
60°-70°	1.4	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°	1.4	0.0
120°-130°	2.7	0.0
130°-140°	37.7	0.7
140°-150°	478.2	8.3
150°-160°	709.2	12.4
160°-170°	1079.9	18.8
170°-180°	560.8	9.8
0°-30°	2350.0	40.9
0°-40°	2828.2	49.3
0°-60°	2868.6	50.0
0°-90°	2870.9	50.0
90°-120°	2.3	0.0
90°-150°	520.9	9.1
90°-180°	2871.0	50.0
0°-180°	5741.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6383	
5°	6141	561
15°	4027	1080
25°	1448	709
35°	873	478
45°	35	38
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	3	3
135°	35	38
145°	873	478
155°	1448	709
165°	4027	1080
175°	6141	561
180°	6383	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6383
1°	6355
2°	6314
3°	6269
4°	6216
5°	6141
6°	6038
7°	5904
8°	5739
9°	5548
10°	5345
11°	5122
12°	4879
13°	4614
14°	4332
15°	4027
16°	3706
17°	3374
18°	3042
19°	2730
20°	2423
21°	2157
22°	1918
23°	1720
24°	1567
25°	1448
26°	1362
27°	1296
28°	1240
29°	1194
30°	1153
32.5°	1067
35°	873
37.5°	519
40°	178
42.5°	53
45°	35
47.5°	22
50°	6
52.5°	3
55°	3
57.5°	2
60°	2
62.5°	2
65°	1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
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°	1
115°	1
117.5°	2
120°	2
122.5°	2
125°	3
127.5°	3
130°	6
132.5°	22
135°	35
137.5°	53
140°	178
142.5°	519
145°	873
147.5°	1067
150°	1153
151°	1194
152°	1240
153°	1296
154°	1362
155°	1448
156°	1567
157°	1720
158°	1918
159°	2157
160°	2423
161°	2730



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CANDELA DISTRIBUTION (continued):

	0°
162°	3042
163°	3374
164°	3706
165°	4027
166°	4332
167°	4614
168°	4879
169°	5122
170°	5345
171°	5548
172°	5739
173°	5904
174°	6038
175°	6141
176°	6216
177°	6269
178°	6314
179°	6355
180°	6383

(END OF REPORT)