

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: P221484

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221484  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 9003-W2-[RW, RI]-LED4080-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED 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: 3754.8 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: General Diffuse

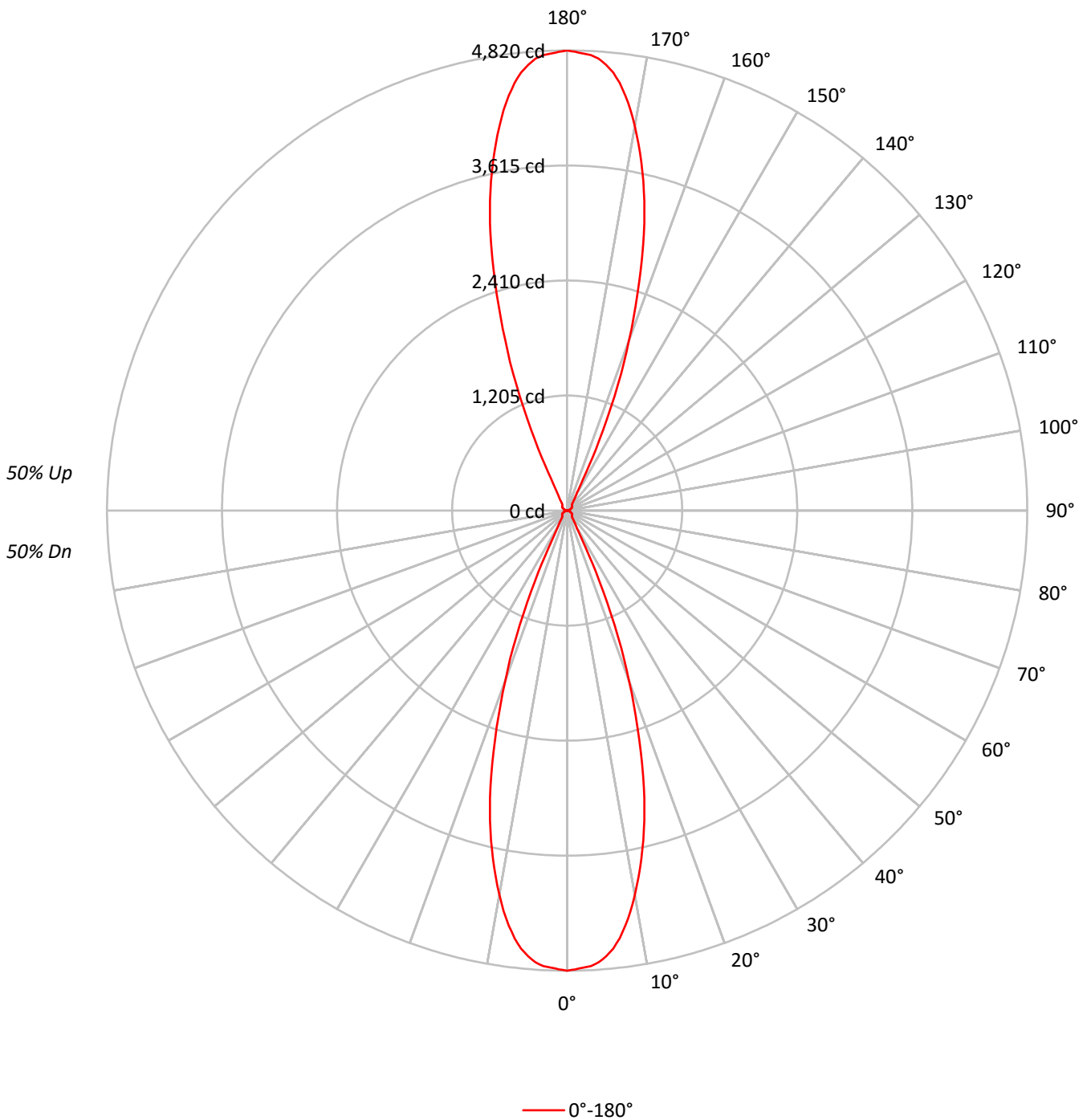
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	48	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51	51	48	46	44	43	41	38
6	74	64	58	54	69	61	56	52	55	50	47	48	45	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	47	45	46	43	41	41	39	37	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	40	37	36	34
9	63	54	48	44	60	51	46	42	47	43	40	42	39	37	38	36	35	33
10	60	51	45	41	57	49	44	40	45	41	38	41	38	36	37	35	33	32

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1056933
5°	1031915
10°	910248
15°	708290
20°	442438
25°	172752
30°	47096
35°	27572
40°	22041
45°	22328
50°	23539
55°	24085
60°	23682
65°	21792
70°	18593
75°	16945
80°	18942
85°	17612



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.4	11.4
10°-20°	836.2	22.3
20°-30°	358.7	9.6
30°-40°	70.8	1.9
40°-50°	56.1	1.5
50°-60°	55.8	1.5
60°-70°	41.4	1.1
70°-80°	22.2	0.6
80°-90°	7.8	0.2
90°-100°	7.8	0.2
100°-110°	22.2	0.6
110°-120°	41.4	1.1
120°-130°	55.8	1.5
130°-140°	56.1	1.5
140°-150°	70.8	1.9
150°-160°	358.7	9.6
160°-170°	836.2	22.3
170°-180°	428.4	11.4
0°-30°	1623.4	43.2
0°-40°	1694.2	45.1
0°-60°	1806.1	48.1
0°-90°	1877.4	50.0
90°-120°	71.3	1.9
90°-150°	254.0	6.8
90°-180°	1877.0	50.0
0°-180°	3754.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4820	
5°	4688	428
15°	3120	836
25°	714	359
35°	103	71
45°	72	56
55°	63	56
65°	42	41
75°	20	22
85°	7	7
90°	0	1
95°	7	7
105°	20	22
115°	42	41
125°	63	56
135°	72	56
145°	103	71
155°	714	359
165°	3120	836
175°	4688	428
180°	4820	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4820
1°	4806
2°	4791
3°	4777
4°	4744
5°	4688
6°	4613
7°	4515
8°	4390
9°	4249
10°	4088
11°	3916
12°	3737
13°	3543
14°	3339
15°	3120
16°	2886
17°	2640
18°	2386
19°	2137
20°	1896
21°	1667
22°	1421
23°	1169
24°	929
25°	714
26°	527
27°	373
28°	266
29°	211
30°	186
32.5°	141
35°	103
37.5°	84
40°	77
42.5°	74
45°	72
47.5°	71
50°	69
52.5°	66
55°	63
57.5°	59
60°	54
62.5°	49
65°	42



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	35
70°	29
72.5°	24
75°	20
77.5°	18
80°	15
82.5°	11
85°	7
87.5°	3
90°	0
92.5°	3
95°	7
97.5°	11
100°	15
102.5°	18
105°	20
107.5°	24
110°	29
112.5°	35
115°	42
117.5°	49
120°	54
122.5°	59
125°	63
127.5°	66
130°	69
132.5°	71
135°	72
137.5°	74
140°	77
142.5°	84
145°	103
147.5°	141
150°	186
151°	211
152°	266
153°	373
154°	527
155°	714
156°	929
157°	1169
158°	1421
159°	1667
160°	1896
161°	2137



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**CANDELA DISTRIBUTION (continued):**

	0°
162°	2386
163°	2640
164°	2886
165°	3120
166°	3339
167°	3543
168°	3737
169°	3916
170°	4088
171°	4249
172°	4390
173°	4515
174°	4613
175°	4688
176°	4744
177°	4777
178°	4791
179°	4806
180°	4820

(END OF REPORT)