

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: P221692

Luminaire Tested: **9003-W2-FL-LED5080-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29476)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED5080-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3531.5 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

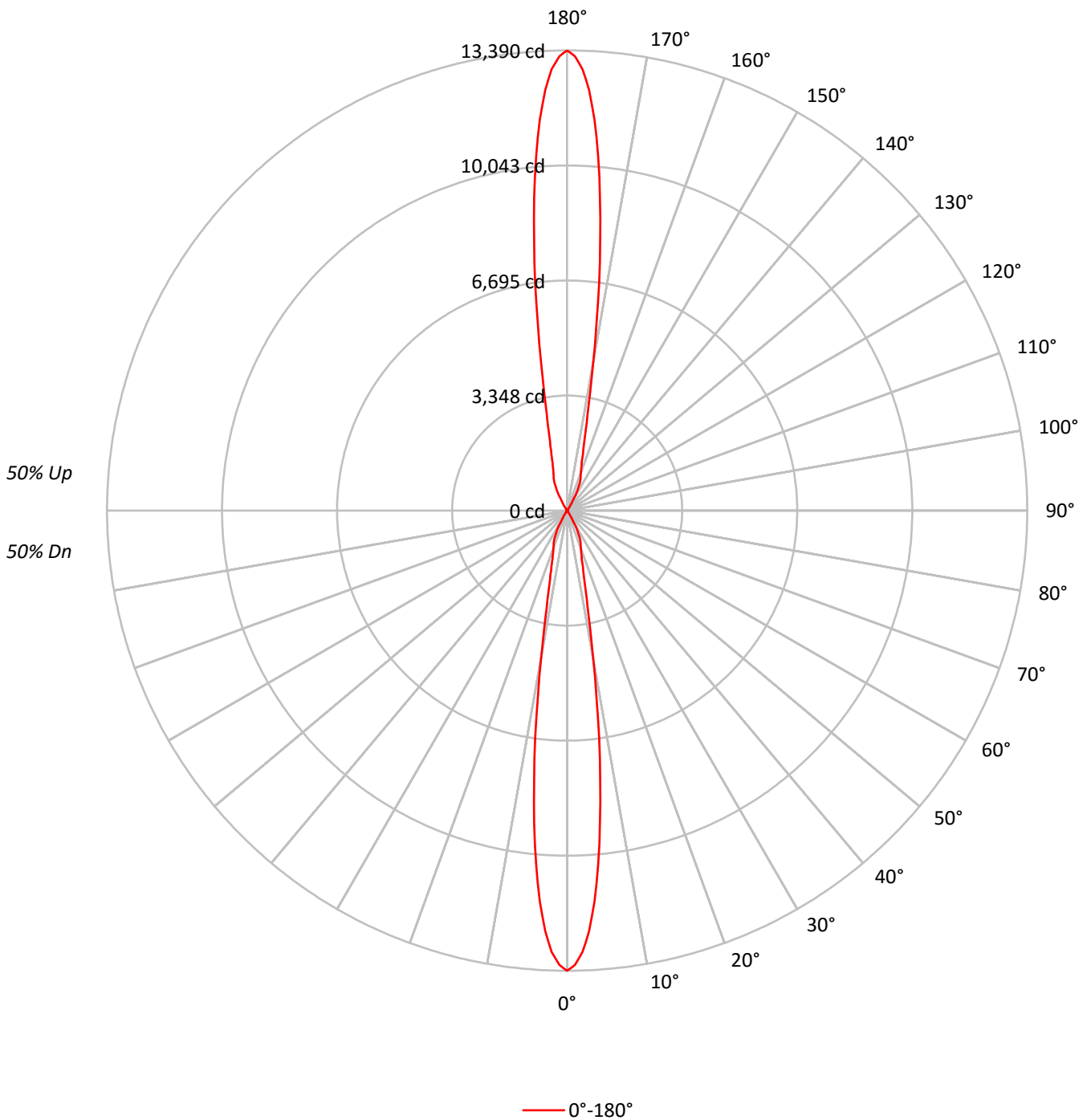
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	98	95	93	93	91	89	87	78	76	75	66	65	64	54	54	53	48				
2	95	90	86	82	88	84	80	77	73	70	68	62	61	60	53	52	51	47				
3	90	83	78	74	84	78	74	70	68	66	63	60	58	56	51	50	49	45				
4	85	78	72	68	80	73	69	65	65	61	59	57	55	53	50	48	47	44				
5	81	73	67	63	76	69	64	60	61	58	55	55	52	50	48	47	46	43				
6	77	69	63	59	72	65	60	57	59	55	52	53	50	48	47	45	44	42				
7	74	65	59	55	69	62	57	53	56	52	50	51	48	46	46	44	43	41				
8	70	62	56	52	66	59	54	51	54	50	48	49	46	45	44	43	42	40				
9	68	59	53	50	64	56	52	48	52	48	46	47	45	43	43	42	40	39				
10	65	56	51	48	62	54	49	46	50	46	44	46	43	42	42	41	39	38				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2936059
5°	2279567
10°	973819
15°	411762
20°	272954
25°	204592
30°	78392
35°	11966
40°	6555
45°	2884
50°	2115
55°	1988
60°	2281
65°	2179
70°	1988
75°	1779
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.7	22.2
10°-20°	554.6	15.7
20°-30°	357.5	10.1
30°-40°	51.5	1.5
40°-50°	8.1	0.2
50°-60°	5.0	0.1
60°-70°	3.9	0.1
70°-80°	1.9	0.1
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	1.9	0.1
110°-120°	3.9	0.1
120°-130°	5.0	0.1
130°-140°	8.1	0.2
140°-150°	51.5	1.5
150°-160°	357.5	10.1
160°-170°	554.6	15.7
170°-180°	782.7	22.2
0°-30°	1694.7	48.0
0°-40°	1746.2	49.4
0°-60°	1759.3	49.8
0°-90°	1765.7	50.0
90°-120°	6.5	0.2
90°-150°	71.1	2.0
90°-180°	1766.0	50.0
0°-180°	3531.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13390	
5°	10356	783
15°	1814	555
25°	846	357
35°	45	52
45°	9	8
55°	5	5
65°	4	4
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	4	4
125°	5	5
135°	9	8
145°	45	52
155°	846	357
165°	1814	555
175°	10356	783
180°	13390	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13389.5
1°	13222.2
2°	12852.4
3°	12244.7
4°	11399.1
5°	10356.1
6°	9157.3
7°	7905.5
8°	6667.2
9°	5443.5
10°	4373.5
11°	3499.8
12°	2870.3
13°	2410.1
14°	2068.3
15°	1813.8
16°	1604.0
17°	1451.2
18°	1342.2
19°	1246.6
20°	1169.7
21°	1103.2
22°	1045.1
23°	991.0
24°	928.7
25°	845.6
26°	748.0
27°	643.0
28°	528.8
29°	415.5
30°	309.6
32.5°	102.8
35°	44.7
37.5°	32.2
40°	22.9
42.5°	11.4
45°	9.3
47.5°	7.3
50°	6.2
52.5°	6.2
55°	5.2
57.5°	5.2
60°	5.2
62.5°	4.2
65°	4.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.1
70°	3.1
72.5°	2.1
75°	2.1
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	2.1
107.5°	2.1
110°	3.1
112.5°	3.1
115°	4.2
117.5°	4.2
120°	5.2
122.5°	5.2
125°	5.2
127.5°	6.2
130°	6.2
132.5°	7.3
135°	9.3
137.5°	11.4
140°	22.9
142.5°	32.2
145°	44.7
147.5°	102.8
150°	309.6
151°	415.5
152°	528.8
153°	643.0
154°	748.0
155°	845.6
156°	928.7
157°	991.0
158°	1045.1
159°	1103.2
160°	1169.7
161°	1246.6



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CANDELA DISTRIBUTION (continued):

	0°
162°	1342.2
163°	1451.2
164°	1604.0
165°	1813.8
166°	2068.3
167°	2410.1
168°	2870.3
169°	3499.8
170°	4373.5
171°	5443.5
172°	6667.2
173°	7905.5
174°	9157.3
175°	10356.1
176°	11399.1
177°	12244.7
178°	12852.4
179°	13222.2
180°	13389.5

(END OF REPORT)