

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: P221451

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221451
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]-LED3590-F-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1645.9 lumens
Efficiency: N/A
Efficacy: 84.0 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

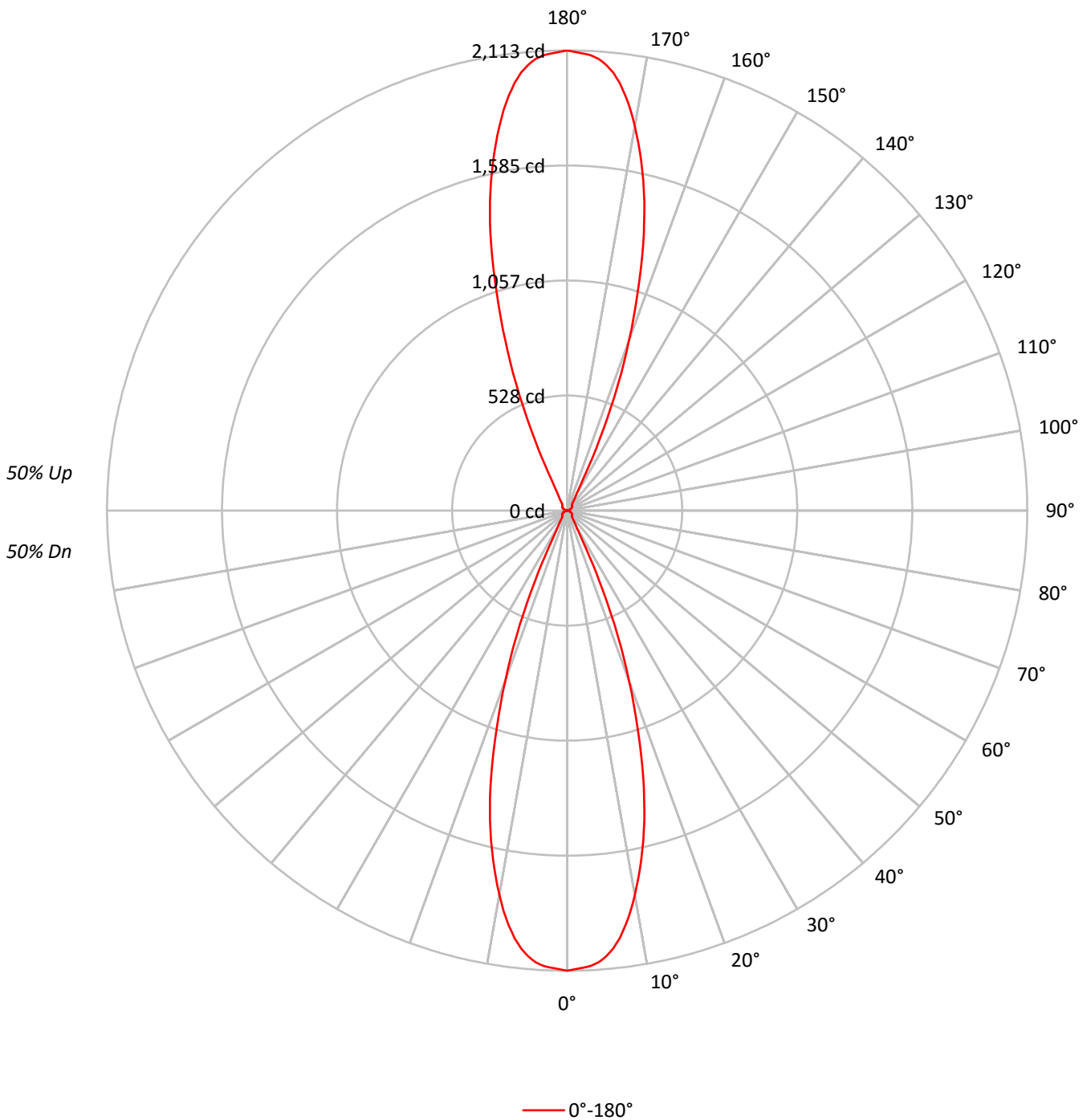
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	463296
5°	452321
10°	398991
15°	310467
20°	193940
25°	75730
30°	20636
35°	12073
40°	9675
45°	9799
50°	10302
55°	10552
60°	10394
65°	9547
70°	8142
75°	7456
80°	8334
85°	7799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	11.4
10°-20°	366.5	22.3
20°-30°	157.2	9.6
30°-40°	31.0	1.9
40°-50°	24.6	1.5
50°-60°	24.5	1.5
60°-70°	18.1	1.1
70°-80°	9.7	0.6
80°-90°	3.4	0.2
90°-100°	3.4	0.2
100°-110°	9.7	0.6
110°-120°	18.1	1.1
120°-130°	24.5	1.5
130°-140°	24.6	1.5
140°-150°	31.0	1.9
150°-160°	157.2	9.6
160°-170°	366.5	22.3
170°-180°	187.8	11.4
0°-30°	711.6	43.2
0°-40°	742.6	45.1
0°-60°	791.7	48.1
0°-90°	822.9	50.0
90°-120°	31.3	1.9
90°-150°	111.3	6.8
90°-180°	823.0	50.0
0°-180°	1645.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2113	
5°	2055	188
15°	1368	367
25°	313	157
35°	45	31
45°	32	25
55°	28	24
65°	18	18
75°	9	10
85°	3	3
90°	0	0
95°	3	3
105°	9	10
115°	18	18
125°	28	24
135°	32	25
145°	45	31
155°	313	157
165°	1368	367
175°	2055	188
180°	2113	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2112.8
1°	2106.6
2°	2100.1
3°	2093.9
4°	2079.5
5°	2054.9
6°	2022.0
7°	1979.1
8°	1924.3
9°	1862.5
10°	1791.9
11°	1716.5
12°	1638.1
13°	1553.0
14°	1463.6
15°	1367.6
16°	1265.0
17°	1157.2
18°	1045.9
19°	936.7
20°	831.1
21°	730.7
22°	622.9
23°	512.4
24°	407.2
25°	313.0
26°	231.0
27°	163.5
28°	116.6
29°	92.5
30°	81.5
32.5°	61.8
35°	45.1
37.5°	36.8
40°	33.8
42.5°	32.4
45°	31.6
47.5°	31.1
50°	30.2
52.5°	28.9
55°	27.6
57.5°	25.9
60°	23.7
62.5°	21.5
65°	18.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	15.3
70°	12.7
72.5°	10.5
75°	8.8
77.5°	7.9
80°	6.6
82.5°	4.8
85°	3.1
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.1
97.5°	4.8
100°	6.6
102.5°	7.9
105°	8.8
107.5°	10.5
110°	12.7
112.5°	15.3
115°	18.4
117.5°	21.5
120°	23.7
122.5°	25.9
125°	27.6
127.5°	28.9
130°	30.2
132.5°	31.1
135°	31.6
137.5°	32.4
140°	33.8
142.5°	36.8
145°	45.1
147.5°	61.8
150°	81.5
151°	92.5
152°	116.6
153°	163.5
154°	231.0
155°	313.0
156°	407.2
157°	512.4
158°	622.9
159°	730.7
160°	831.1
161°	936.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1045.9
163°	1157.2
164°	1265.0
165°	1367.6
166°	1463.6
167°	1553.0
168°	1638.1
169°	1716.5
170°	1791.9
171°	1862.5
172°	1924.3
173°	1979.1
174°	2022.0
175°	2054.9
176°	2079.5
177°	2093.9
178°	2100.1
179°	2106.6
180°	2112.8

(END OF REPORT)