

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: P221458

Luminaire Tested: **9003-W2-[RW, RI]-LED3590-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2454.5 lumens
Efficiency: N/A
Efficacy: 61.1 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

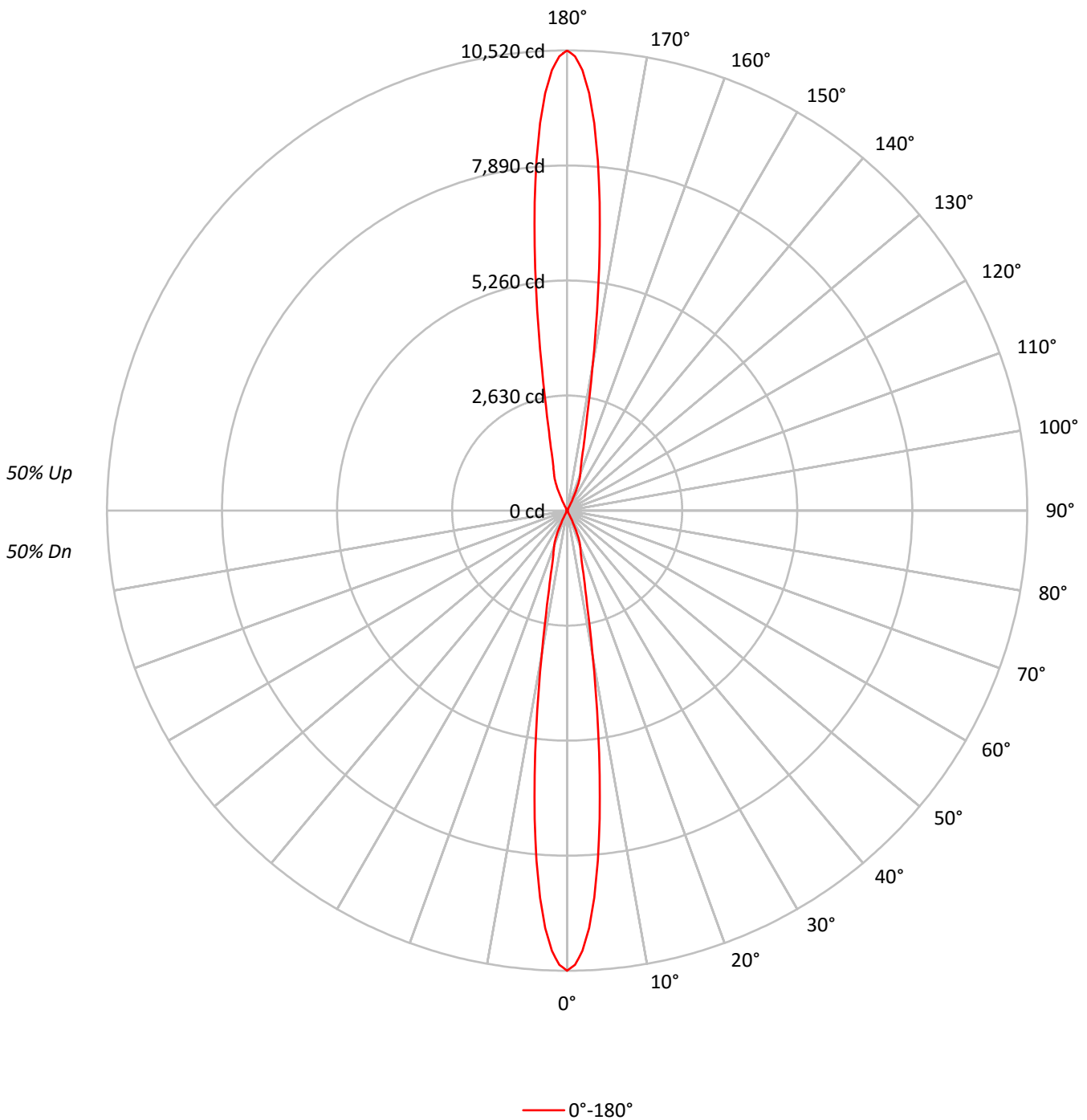
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2306745
5°	1767176
10°	741358
15°	312874
20°	203531
25°	89183
30°	12078
35°	4551
40°	3235
45°	2512
50°	2217
55°	2179
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.4	24.6
10°-20°	421.4	17.2
20°-30°	173.7	7.1
30°-40°	13.7	0.6
40°-50°	6.5	0.3
50°-60°	4.8	0.2
60°-70°	2.4	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	2.4	0.1
120°-130°	4.8	0.2
130°-140°	6.5	0.3
140°-150°	13.7	0.6
150°-160°	173.7	7.1
160°-170°	421.4	17.2
170°-180°	604.4	24.6
0°-30°	1199.5	48.9
0°-40°	1213.2	49.4
0°-60°	1224.6	49.9
0°-90°	1227.2	50.0
90°-120°	2.9	0.1
90°-150°	27.9	1.1
90°-180°	1227.0	50.0
0°-180°	2454.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10520	
5°	8028	604
15°	1378	421
25°	369	174
35°	17	14
45°	8	7
55°	6	5
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	6	5
135°	8	7
145°	17	14
155°	369	174
165°	1378	421
175°	8028	604
180°	10520	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10519.6
1°	10385.4
2°	10070.9
3°	9559.3
4°	8876.2
5°	8028.3
6°	7085.0
7°	6096.4
8°	5079.5
9°	4147.5
10°	3329.5
11°	2682.0
12°	2202.7
13°	1849.4
14°	1591.6
15°	1378.2
16°	1206.0
17°	1093.7
18°	1007.2
19°	931.2
20°	872.2
21°	818.0
22°	735.6
23°	623.2
24°	495.5
25°	368.6
26°	256.2
27°	153.6
28°	85.7
29°	57.4
30°	47.7
32.5°	30.7
35°	17.0
37.5°	12.9
40°	11.3
42.5°	9.7
45°	8.1
47.5°	7.3
50°	6.5
52.5°	5.7
55°	5.7
57.5°	4.8
60°	4.0
62.5°	3.2
65°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.6
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.8
110°	0.8
112.5°	1.6
115°	2.4
117.5°	3.2
120°	4.0
122.5°	4.8
125°	5.7
127.5°	5.7
130°	6.5
132.5°	7.3
135°	8.1
137.5°	9.7
140°	11.3
142.5°	12.9
145°	17.0
147.5°	30.7
150°	47.7
151°	57.4
152°	85.7
153°	153.6
154°	256.2
155°	368.6
156°	495.5
157°	623.2
158°	735.6
159°	818.0
160°	872.2
161°	931.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	1007.2
163°	1093.7
164°	1206.0
165°	1378.2
166°	1591.6
167°	1849.4
168°	2202.7
169°	2682.0
170°	3329.5
171°	4147.5
172°	5079.5
173°	6096.4
174°	7085.0
175°	8028.3
176°	8876.2
177°	9559.3
178°	10070.9
179°	10385.4
180°	10519.6

(END OF REPORT)