

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: P221470

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-M-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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]-LED3597-M-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2309.7 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

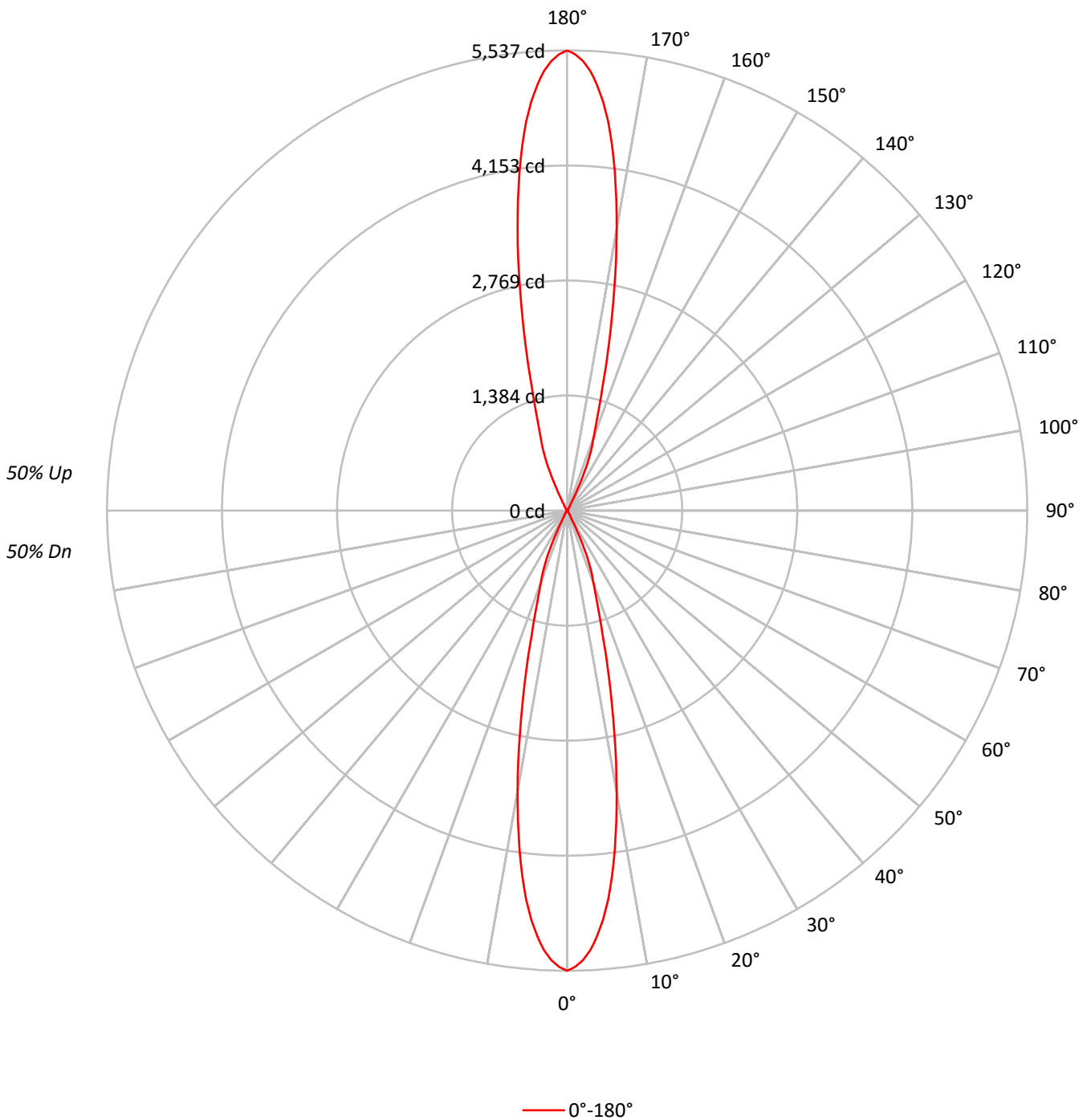
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	78	76	75	66	65	64	54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41
7	73	65	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1214179
5°	1088045
10°	764404
15°	410218
20°	215782
25°	96465
30°	18661
35°	6853
40°	3893
45°	3225
50°	2729
55°	2141
60°	1754
65°	1245
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.9	18.3
10°-20°	509.6	22.1
20°-30°	185.9	8.1
30°-40°	20.5	0.9
40°-50°	8.1	0.3
50°-60°	5.1	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°	5.1	0.2
130°-140°	8.1	0.3
140°-150°	20.5	0.9
150°-160°	185.9	8.1
160°-170°	509.6	22.1
170°-180°	422.9	18.3
0°-30°	1118.5	48.4
0°-40°	1139.0	49.3
0°-60°	1152.2	49.9
0°-90°	1154.8	50.0
90°-120°	2.9	0.1
90°-150°	36.6	1.6
90°-180°	1155.0	50.0
0°-180°	2309.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5537	
5°	4943	423
15°	1807	510
25°	399	186
35°	26	21
45°	10	8
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°	10	8
145°	26	21
155°	399	186
165°	1807	510
175°	4943	423
180°	5537	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5537.1
1°	5492.2
2°	5413.8
3°	5298.5
4°	5139.2
5°	4943.0
6°	4708.4
7°	4433.0
8°	4120.8
9°	3782.1
10°	3433.0
11°	3081.6
12°	2733.3
13°	2404.2
14°	2090.4
15°	1807.0
16°	1546.8
17°	1334.6
18°	1162.5
19°	1026.4
20°	924.7
21°	841.4
22°	746.2
23°	633.3
24°	515.6
25°	398.7
26°	287.4
27°	188.1
28°	118.5
29°	86.5
30°	73.7
32.5°	49.6
35°	25.6
37.5°	16.8
40°	13.6
42.5°	12.0
45°	10.4
47.5°	8.8
50°	8.0
52.5°	6.4
55°	5.6
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°	5.6
127.5°	6.4
130°	8.0
132.5°	8.8
135°	10.4
137.5°	12.0
140°	13.6
142.5°	16.8
145°	25.6
147.5°	49.6
150°	73.7
151°	86.5
152°	118.5
153°	188.1
154°	287.4
155°	398.7
156°	515.6
157°	633.3
158°	746.2
159°	841.4
160°	924.7
161°	1026.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1162.5
163°	1334.6
164°	1546.8
165°	1807.0
166°	2090.4
167°	2404.2
168°	2733.3
169°	3081.6
170°	3433.0
171°	3782.1
172°	4120.8
173°	4433.0
174°	4708.4
175°	4943.0
176°	5139.2
177°	5298.5
178°	5413.8
179°	5492.2
180°	5537.1

(END OF REPORT)