

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: P221476

Luminaire Tested: **9003-W2-[RW, RI]-LED3597-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2878.9 lumens
Efficiency: N/A
Efficacy: 71.6 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

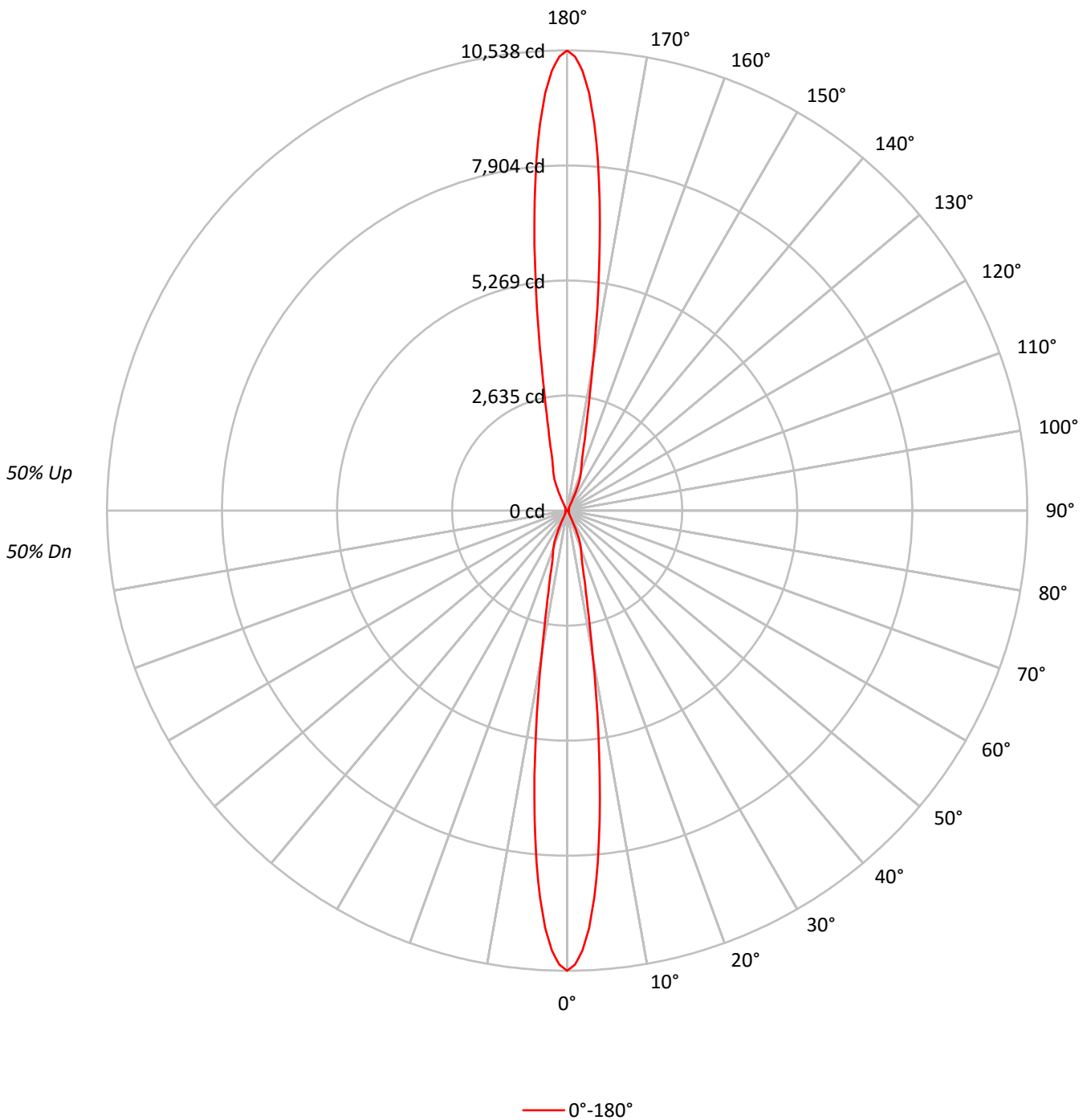
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	94	92	93	90	88	86	77	75	74	65	64	63	54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67	61	59	58	51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61	58	56	54	49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56	55	53	51	48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53	52	50	48	46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50	50	48	46	45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47	48	46	44	43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45	47	44	42	42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43	45	42	40	41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41	44	41	39	40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2310889
5°	1775342
10°	752647
15°	322976
20°	214849
25°	102272
30°	25143
35°	18658
40°	17862
45°	17862
50°	18285
55°	20492
60°	20700
65°	19094
70°	15900
75°	14234
80°	16164
85°	16102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.0	21.1
10°-20°	435.1	15.1
20°-30°	196.7	6.8
30°-40°	46.4	1.6
40°-50°	44.6	1.5
50°-60°	47.0	1.6
60°-70°	36.2	1.3
70°-80°	18.7	0.6
80°-90°	6.7	0.2
90°-100°	6.7	0.2
100°-110°	18.7	0.6
110°-120°	36.2	1.3
120°-130°	47.0	1.6
130°-140°	44.6	1.5
140°-150°	46.4	1.6
150°-160°	196.7	6.8
160°-170°	435.1	15.1
170°-180°	608.0	21.1
0°-30°	1239.8	43.1
0°-40°	1286.3	44.7
0°-60°	1377.8	47.9
0°-90°	1439.4	50.0
90°-120°	61.6	2.1
90°-150°	199.6	6.9
90°-180°	1439.0	50.0
0°-180°	2878.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10538	
5°	8065	608
15°	1423	435
25°	423	197
35°	70	46
45°	58	45
55°	54	47
65°	37	36
75°	17	19
85°	6	6
90°	0	1
95°	6	6
105°	17	19
115°	37	36
125°	54	47
135°	58	45
145°	70	46
155°	423	197
165°	1423	435
175°	8065	608
180°	10538	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10538.5
1°	10400.8
2°	10080.6
3°	9573.0
4°	8890.0
5°	8065.4
6°	7120.7
7°	6131.1
8°	5131.2
9°	4196.8
10°	3380.2
11°	2730.1
12°	2254.5
13°	1905.5
14°	1632.5
15°	1422.7
16°	1253.8
17°	1140.1
18°	1055.2
19°	981.6
20°	920.7
22.5°	731.8
25°	422.7
26°	308.2
27°	209.8
28°	139.3
29°	109.7
30°	99.3
32.5°	83.3
35°	69.7
37.5°	64.8
40°	62.4
42.5°	60.0
45°	57.6
47.5°	55.2
50°	53.6
52.5°	53.6
55°	53.6
57.5°	52.0
60°	47.2
62.5°	43.2
65°	36.8
67.5°	30.4
70°	24.8
72.5°	20.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	16.8
77.5°	15.2
80°	12.8
82.5°	9.6
85°	6.4
87.5°	2.4
90°	0.0
92.5°	2.4
95°	6.4
97.5°	9.6
100°	12.8
102.5°	15.2
105°	16.8
107.5°	20.0
110°	24.8
112.5°	30.4
115°	36.8
117.5°	43.2
120°	47.2
122.5°	52.0
125°	53.6
127.5°	53.6
130°	53.6
132.5°	55.2
135°	57.6
137.5°	60.0
140°	62.4
142.5°	64.8
145°	69.7
147.5°	83.3
150°	99.3
151°	109.7
152°	139.3
153°	209.8
154°	308.2
155°	422.7
157.5°	731.8
160°	920.7
161°	981.6
162°	1055.2
163°	1140.1
164°	1253.8
165°	1422.7
166°	1632.5
167°	1905.5



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CANDELA DISTRIBUTION (continued):

	0°
168°	2254.5
169°	2730.1
170°	3380.2
171°	4196.8
172°	5131.2
173°	6131.1
174°	7120.7
175°	8065.4
176°	8890.0
177°	9573.0
178°	10080.6
179°	10400.8
180°	10538.5

(END OF REPORT)