

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: P221404

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221404
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]-LED2797-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2625.6 lumens
Efficiency: N/A
Efficacy: 65.3 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

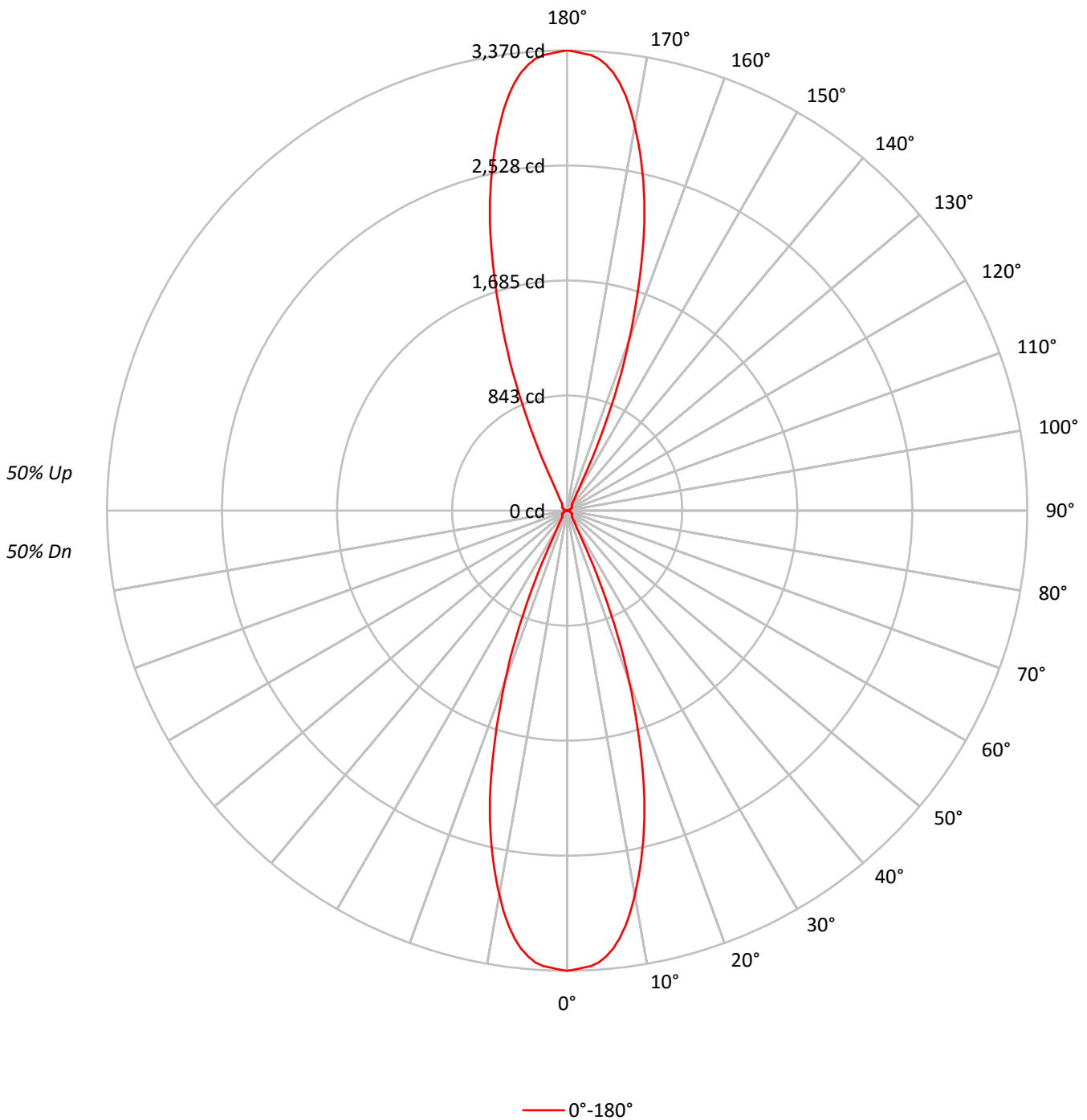
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	54	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°	739064
5°	721570
10°	636483
15°	495258
20°	309380
25°	120805
30°	32942
35°	19274
40°	15400
45°	15599
50°	16443
55°	16860
60°	16578
65°	15255
70°	13015
75°	11861
80°	13259
85°	12328



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.6	11.4
10°-20°	584.7	22.3
20°-30°	250.8	9.6
30°-40°	49.5	1.9
40°-50°	39.2	1.5
50°-60°	39.1	1.5
60°-70°	29.0	1.1
70°-80°	15.5	0.6
80°-90°	5.4	0.2
90°-100°	5.4	0.2
100°-110°	15.5	0.6
110°-120°	29.0	1.1
120°-130°	39.1	1.5
130°-140°	39.2	1.5
140°-150°	49.5	1.9
150°-160°	250.8	9.6
160°-170°	584.7	22.3
170°-180°	299.6	11.4
0°-30°	1135.1	43.2
0°-40°	1184.6	45.1
0°-60°	1262.9	48.1
0°-90°	1312.8	50.0
90°-120°	49.9	1.9
90°-150°	177.7	6.8
90°-180°	1313.0	50.0
0°-180°	2625.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3370	
5°	3278	300
15°	2182	585
25°	499	251
35°	72	49
45°	50	39
55°	44	39
65°	29	29
75°	14	16
85°	5	5
90°	0	1
95°	5	5
105°	14	16
115°	29	29
125°	44	39
135°	50	39
145°	72	49
155°	499	251
165°	2182	585
175°	3278	300
180°	3370	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3370.4
1°	3360.6
2°	3350.1
3°	3340.3
4°	3317.2
5°	3278.1
6°	3225.6
7°	3157.1
8°	3069.7
9°	2971.1
10°	2858.5
11°	2738.2
12°	2613.1
13°	2477.4
14°	2334.8
15°	2181.6
16°	2018.0
17°	1846.0
18°	1668.4
19°	1494.3
20°	1325.8
21°	1165.6
22°	993.6
23°	817.4
24°	649.6
25°	499.3
26°	368.5
27°	260.8
28°	186.0
29°	147.5
30°	130.1
32.5°	98.6
35°	72.0
37.5°	58.7
40°	53.8
42.5°	51.7
45°	50.3
47.5°	49.6
50°	48.2
52.5°	46.2
55°	44.1
57.5°	41.3
60°	37.8
62.5°	34.3
65°	29.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	24.5
70°	20.3
72.5°	16.8
75°	14.0
77.5°	12.6
80°	10.5
82.5°	7.7
85°	4.9
87.5°	2.1
90°	0.0
92.5°	2.1
95°	4.9
97.5°	7.7
100°	10.5
102.5°	12.6
105°	14.0
107.5°	16.8
110°	20.3
112.5°	24.5
115°	29.4
117.5°	34.3
120°	37.8
122.5°	41.3
125°	44.1
127.5°	46.2
130°	48.2
132.5°	49.6
135°	50.3
137.5°	51.7
140°	53.8
142.5°	58.7
145°	72.0
147.5°	98.6
150°	130.1
151°	147.5
152°	186.0
153°	260.8
154°	368.5
155°	499.3
156°	649.6
157°	817.4
158°	993.6
159°	1165.6
160°	1325.8
161°	1494.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	1668.4
163°	1846.0
164°	2018.0
165°	2181.6
166°	2334.8
167°	2477.4
168°	2613.1
169°	2738.2
170°	2858.5
171°	2971.1
172°	3069.7
173°	3157.1
174°	3225.6
175°	3278.1
176°	3317.2
177°	3340.3
178°	3350.1
179°	3360.6
180°	3370.4

(END OF REPORT)