

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: P221395

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221395
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]-LED2790-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1471.1 lumens
Efficiency: N/A
Efficacy: 75.1 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

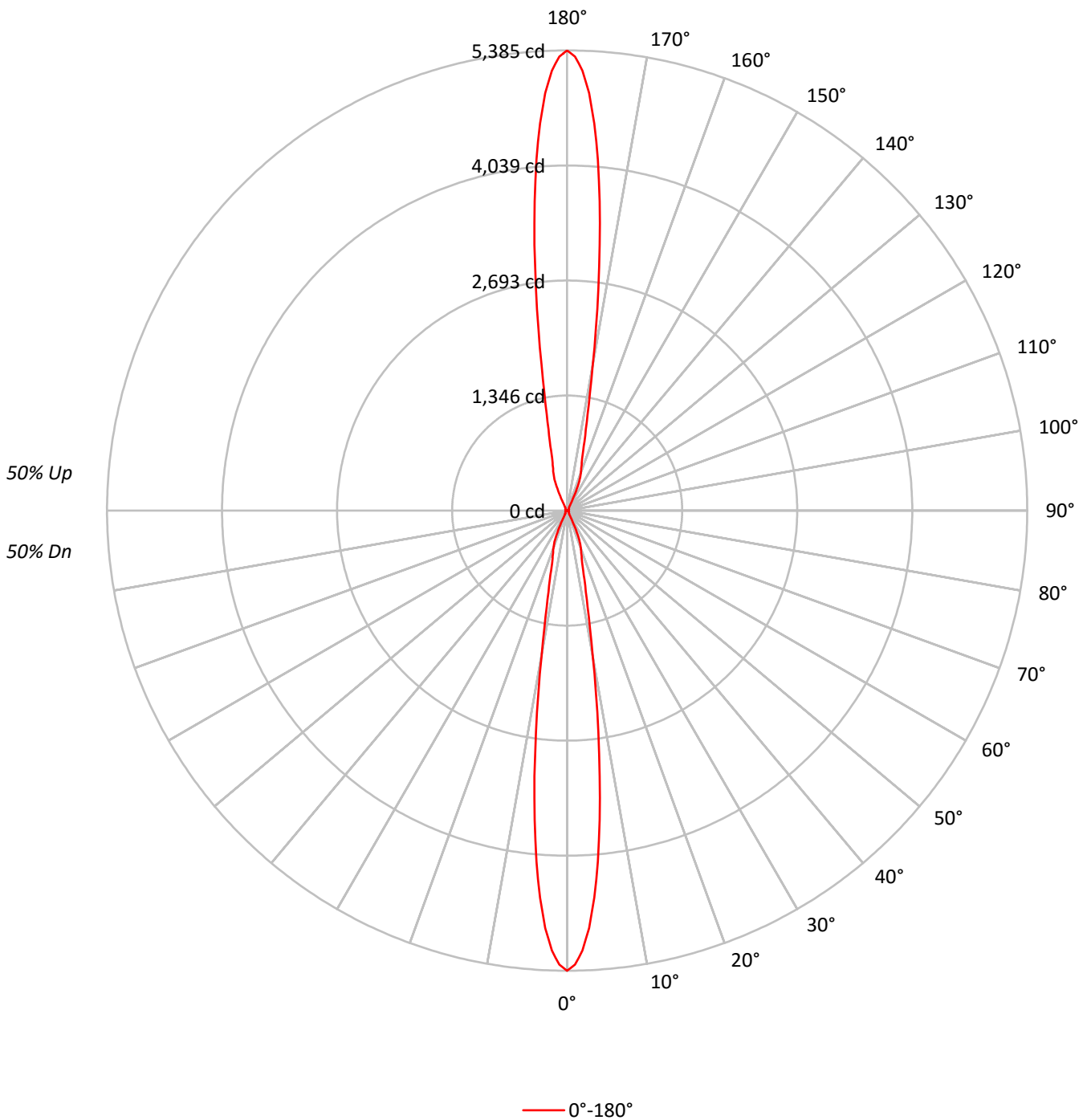
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1180870
5°	907196
10°	384607
15°	165041
20°	109793
25°	52261
30°	12837
35°	9530
40°	9131
45°	9148
50°	9347
55°	10475
60°	10569
65°	9755
70°	8142
75°	7286
80°	8208
85°	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.7	21.1
10°-20°	222.3	15.1
20°-30°	100.5	6.8
30°-40°	23.7	1.6
40°-50°	22.8	1.6
50°-60°	24.0	1.6
60°-70°	18.5	1.3
70°-80°	9.6	0.6
80°-90°	3.4	0.2
90°-100°	3.4	0.2
100°-110°	9.6	0.6
110°-120°	18.5	1.3
120°-130°	24.0	1.6
130°-140°	22.8	1.6
140°-150°	23.7	1.6
150°-160°	100.5	6.8
160°-170°	222.3	15.1
170°-180°	310.7	21.1
0°-30°	633.5	43.1
0°-40°	657.3	44.7
0°-60°	704.1	47.9
0°-90°	735.6	50.0
90°-120°	31.5	2.1
90°-150°	102.0	6.9
90°-180°	736.0	50.0
0°-180°	1471.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5385	
5°	4121	311
15°	727	222
25°	216	101
35°	36	24
45°	30	23
55°	27	24
65°	19	18
75°	9	10
85°	3	3
90°	0	0
95°	3	3
105°	9	10
115°	19	18
125°	27	24
135°	30	23
145°	36	24
155°	216	101
165°	727	222
175°	4121	311
180°	5385	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5385.2
1°	5314.8
2°	5151.1
3°	4891.8
4°	4542.8
5°	4121.4
6°	3638.7
7°	3133.0
8°	2622.0
9°	2144.6
10°	1727.3
11°	1395.1
12°	1152.1
13°	973.7
14°	834.2
15°	727.0
16°	640.7
17°	582.6
18°	539.2
19°	501.6
20°	470.5
22.5°	373.9
25°	216.0
26°	157.5
27°	107.2
28°	71.2
29°	56.0
30°	50.7
32.5°	42.5
35°	35.6
37.5°	33.1
40°	31.9
42.5°	30.7
45°	29.5
47.5°	28.2
50°	27.4
52.5°	27.4
55°	27.4
57.5°	26.6
60°	24.1
62.5°	22.1
65°	18.8
67.5°	15.5
70°	12.7
72.5°	10.2



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CANDELA DISTRIBUTION (continued):

	0°
75°	8.6
77.5°	7.8
80°	6.5
82.5°	4.9
85°	3.3
87.5°	1.2
90°	0.0
92.5°	1.2
95°	3.3
97.5°	4.9
100°	6.5
102.5°	7.8
105°	8.6
107.5°	10.2
110°	12.7
112.5°	15.5
115°	18.8
117.5°	22.1
120°	24.1
122.5°	26.6
125°	27.4
127.5°	27.4
130°	27.4
132.5°	28.2
135°	29.5
137.5°	30.7
140°	31.9
142.5°	33.1
145°	35.6
147.5°	42.5
150°	50.7
151°	56.0
152°	71.2
153°	107.2
154°	157.5
155°	216.0
157.5°	373.9
160°	470.5
161°	501.6
162°	539.2
163°	582.6
164°	640.7
165°	727.0
166°	834.2
167°	973.7



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CANDELA DISTRIBUTION (continued):

	0°
168°	1152.1
169°	1395.1
170°	1727.3
171°	2144.6
172°	2622.0
173°	3133.0
174°	3638.7
175°	4121.4
176°	4542.8
177°	4891.8
178°	5151.1
179°	5314.8
180°	5385.2

(END OF REPORT)