

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: P221391

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1415.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

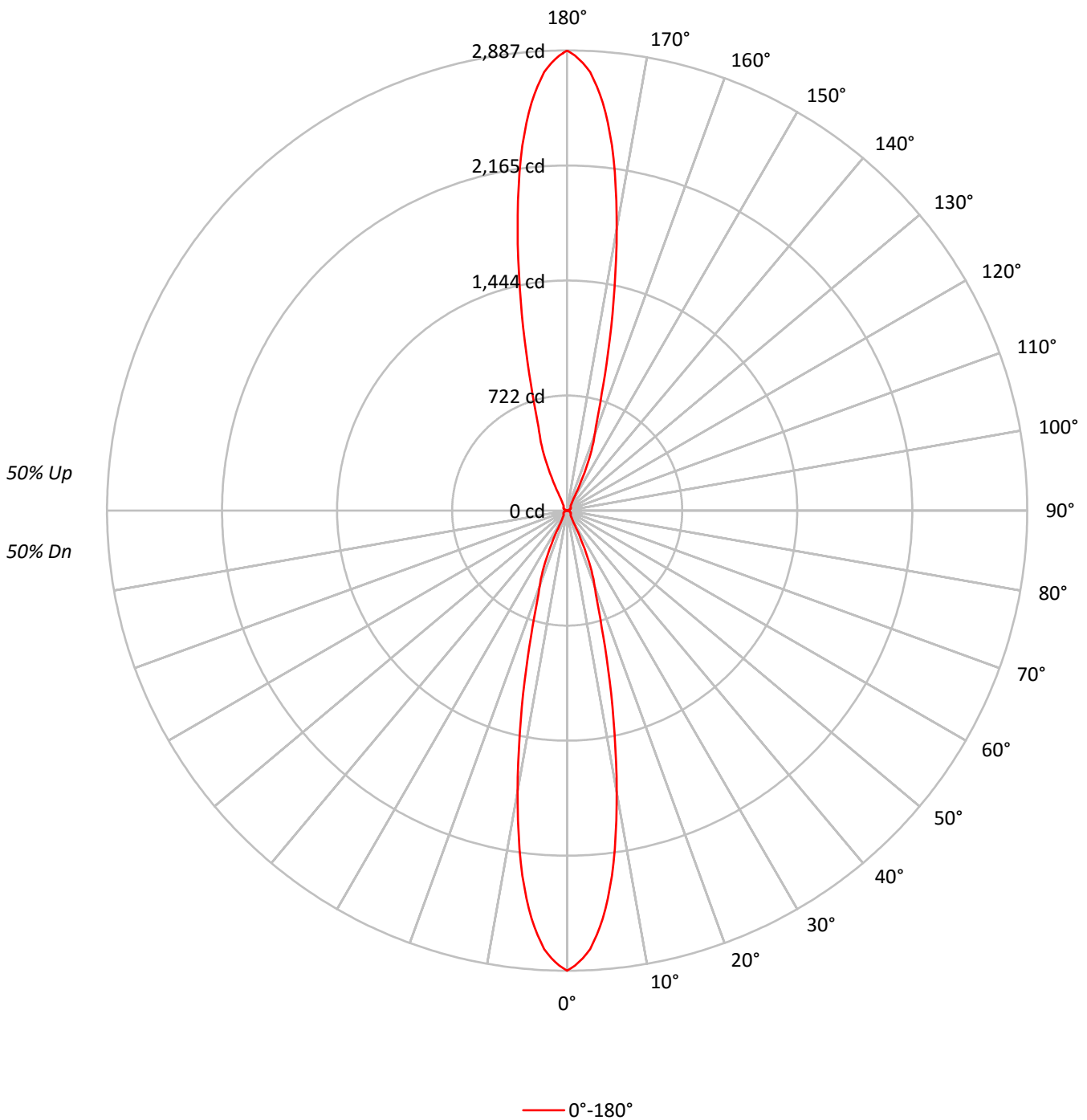
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		61	59	57		51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51		51	48	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	55	51	66	58	53	49	52	48	45		47	44	42		42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43		45	42	40		40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41		43	40	38		39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39		42	39	37		38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	632998
5°	565528
10°	398723
15°	216687
20°	117237
25°	55915
30°	16154
35°	10520
40°	9589
45°	9892
50°	10473
55°	11087
60°	10964
65°	10377
70°	8655
75°	7625
80°	8840
85°	8303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	15.5
10°-20°	269.4	19.0
20°-30°	107.7	7.6
30°-40°	27.0	1.9
40°-50°	24.8	1.8
50°-60°	25.6	1.8
60°-70°	19.4	1.4
70°-80°	10.0	0.7
80°-90°	3.6	0.3
90°-100°	3.6	0.3
100°-110°	10.0	0.7
110°-120°	19.4	1.4
120°-130°	25.6	1.8
130°-140°	24.8	1.8
140°-150°	27.0	1.9
150°-160°	107.7	7.6
160°-170°	269.4	19.0
170°-180°	220.0	15.5
0°-30°	597.1	42.2
0°-40°	624.1	44.1
0°-60°	674.4	47.7
0°-90°	707.5	50.0
90°-120°	33.1	2.3
90°-150°	110.4	7.8
90°-180°	708.0	50.0
0°-180°	1415.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2887	
5°	2569	220
15°	954	269
25°	231	108
35°	39	27
45°	32	25
55°	29	26
65°	20	19
75°	9	10
85°	3	3
90°	0	0
95°	3	3
105°	9	10
115°	20	19
125°	29	26
135°	32	25
145°	39	27
155°	231	108
165°	954	269
175°	2569	220
180°	2887	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2886.7
1°	2854.8
2°	2811.8
3°	2755.8
4°	2668.2
5°	2569.2
6°	2445.3
7°	2307.8
8°	2145.8
9°	1969.1
10°	1790.7
11°	1609.0
12°	1430.3
13°	1263.3
14°	1102.2
15°	954.5
16°	820.7
17°	711.9
18°	623.1
19°	553.9
20°	502.4
21°	459.0
22°	409.5
23°	352.7
24°	291.3
25°	231.1
26°	173.1
27°	123.6
28°	87.1
29°	70.4
30°	63.8
32.5°	51.1
35°	39.3
37.5°	35.2
40°	33.5
42.5°	32.7
45°	31.9
47.5°	31.5
50°	30.7
52.5°	30.3
55°	29.0
57.5°	27.0
60°	25.0
62.5°	22.9
65°	20.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.4
70°	13.5
72.5°	10.6
75°	9.0
77.5°	8.2
80°	7.0
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0
92.5°	1.6
95°	3.3
97.5°	4.9
100°	7.0
102.5°	8.2
105°	9.0
107.5°	10.6
110°	13.5
112.5°	16.4
115°	20.0
117.5°	22.9
120°	25.0
122.5°	27.0
125°	29.0
127.5°	30.3
130°	30.7
132.5°	31.5
135°	31.9
137.5°	32.7
140°	33.5
142.5°	35.2
145°	39.3
147.5°	51.1
150°	63.8
151°	70.4
152°	87.1
153°	123.6
154°	173.1
155°	231.1
156°	291.3
157°	352.7
158°	409.5
159°	459.0
160°	502.4
161°	553.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	623.1
163°	711.9
164°	820.7
165°	954.5
166°	1102.2
167°	1263.3
168°	1430.3
169°	1609.0
170°	1790.7
171°	1969.1
172°	2145.8
173°	2307.8
174°	2445.3
175°	2569.2
176°	2668.2
177°	2755.8
178°	2811.8
179°	2854.8
180°	2886.7

(END OF REPORT)