

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: P221296

Luminaire Tested: **9002-W2-[RW, RI]-LEDCR-W-WT-LC1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29545)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-[RW, RI]-LEDCR-W-WT-LC1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) COLOR CHAGING MODULE, SET TO 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 888.1 lumens
Efficiency: N/A
Efficacy: 31.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

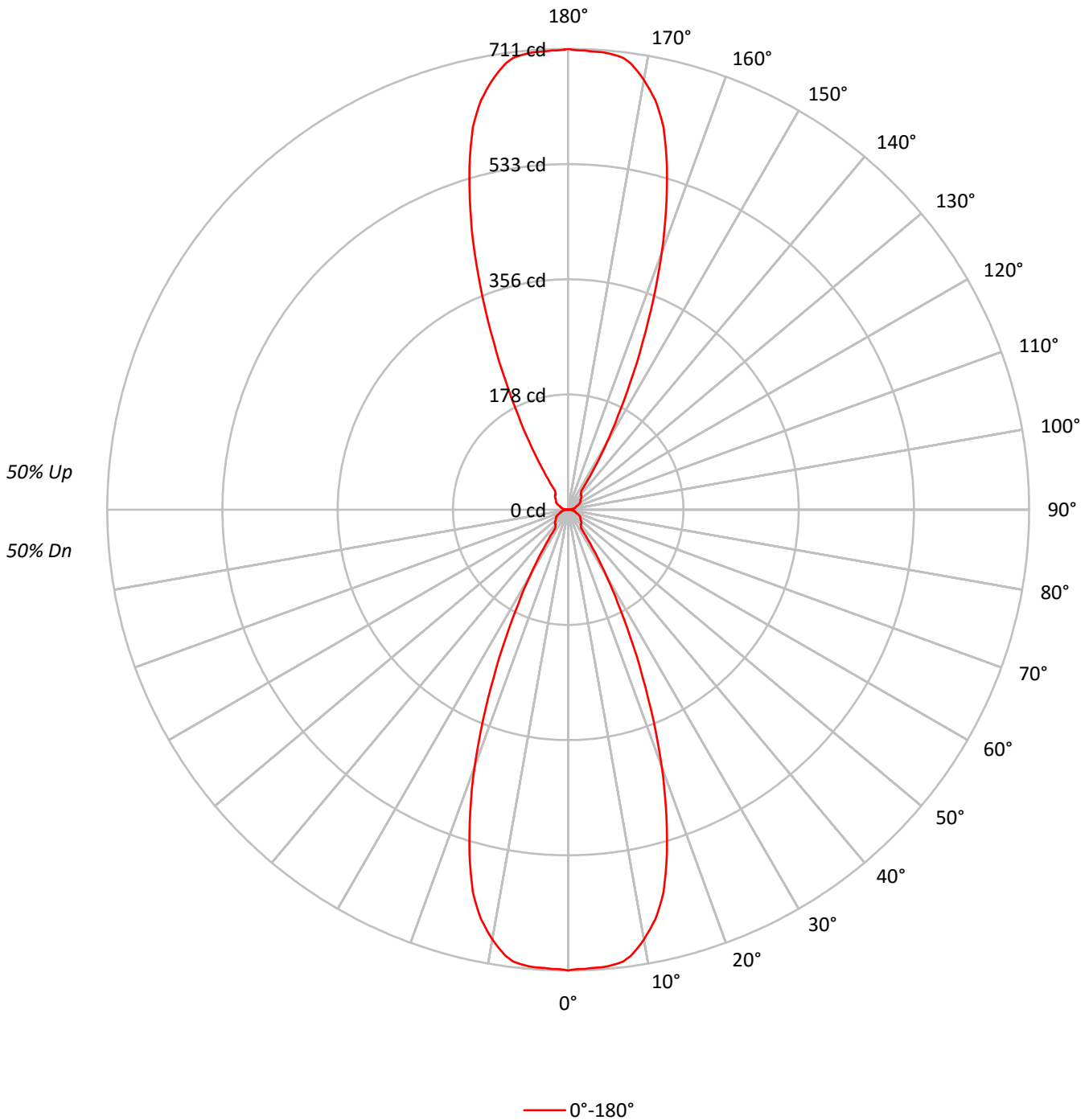
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	93	90	92	89	86	84	76	74	72	64	62	61	53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64	59	57	55	49	48	47	42
3	86	79	73	68	80	74	68	64	64	60	57	55	52	50	46	45	43	39
4	81	72	66	61	75	68	62	58	59	55	52	51	48	46	44	42	40	37
5	76	66	60	55	70	62	56	52	55	50	47	48	45	42	41	39	38	35
6	71	61	55	50	66	58	52	48	51	47	43	45	42	39	39	37	35	33
7	67	57	50	46	63	54	48	44	48	44	40	42	39	37	37	35	33	31
8	63	53	47	42	59	50	45	41	45	41	38	40	37	34	36	33	31	29
9	60	50	43	39	56	47	42	38	43	38	35	38	35	33	34	32	30	28
10	57	47	41	37	53	45	39	35	40	36	33	36	33	31	33	30	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	350793
5°	350152
10°	337167
15°	296766
20°	221568
25°	136640
30°	67795
35°	21081
40°	19322
45°	20235
50°	19189
55°	19784
60°	20722
65°	19846
70°	18753
75°	20969
80°	19889
85°	16983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	7.5
10°-20°	157.3	17.7
20°-30°	114.4	12.9
30°-40°	32.2	3.6
40°-50°	21.9	2.5
50°-60°	20.6	2.3
60°-70°	16.6	1.9
70°-80°	11.1	1.2
80°-90°	3.4	0.4
90°-100°	3.4	0.4
100°-110°	11.1	1.2
110°-120°	16.6	1.9
120°-130°	20.6	2.3
130°-140°	21.9	2.5
140°-150°	32.2	3.6
150°-160°	114.4	12.9
160°-170°	157.3	17.7
170°-180°	66.6	7.5
0°-30°	338.3	38.1
0°-40°	370.5	41.7
0°-60°	413.0	46.5
0°-90°	444.1	50.0
90°-120°	31.1	3.5
90°-150°	105.8	11.9
90°-180°	444.0	50.0
0°-180°	888.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	711	
5°	707	67
15°	581	157
25°	251	114
35°	35	32
45°	29	22
55°	23	21
65°	17	17
75°	11	11
85°	3	3
90°	0	0
95°	3	3
105°	11	11
115°	17	17
125°	23	21
135°	29	22
145°	35	32
155°	251	114
165°	581	157
175°	707	67
180°	711	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	711
1°	709
2°	709
3°	708
4°	708
5°	707
6°	705
7°	702
8°	695
9°	685
10°	673
11°	660
12°	646
13°	628
14°	608
15°	581
16°	552
17°	521
18°	489
19°	456
20°	422
21°	386
22°	351
23°	316
24°	282
25°	251
26°	219
27°	189
28°	163
29°	140
30°	119
32.5°	70
35°	35
37.5°	32
40°	30
42.5°	30
45°	29
47.5°	27
50°	25
52.5°	24
55°	23
57.5°	22
60°	21
62.5°	19
65°	17



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14
70°	13
72.5°	12
75°	11
77.5°	9
80°	7
82.5°	5
85°	3
87.5°	1
90°	0
92.5°	1
95°	3
97.5°	5
100°	7
102.5°	9
105°	11
107.5°	12
110°	13
112.5°	14
115°	17
117.5°	19
120°	21
122.5°	22
125°	23
127.5°	24
130°	25
132.5°	27
135°	29
137.5°	30
140°	30
142.5°	32
145°	35
147.5°	70
150°	119
151°	140
152°	163
153°	189
154°	219
155°	251
156°	282
157°	316
158°	351
159°	386
160°	422
161°	456



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CATALOG NUMBER: 9002-W2-[RW, RI]-LEDCR-W-WT-LC1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	489
163°	521
164°	552
165°	581
166°	608
167°	628
168°	646
169°	660
170°	673
171°	685
172°	695
173°	702
174°	705
175°	707
176°	708
177°	708
178°	709
179°	709
180°	711

(END OF REPORT)