

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: P221431

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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]-LED3090-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1473.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

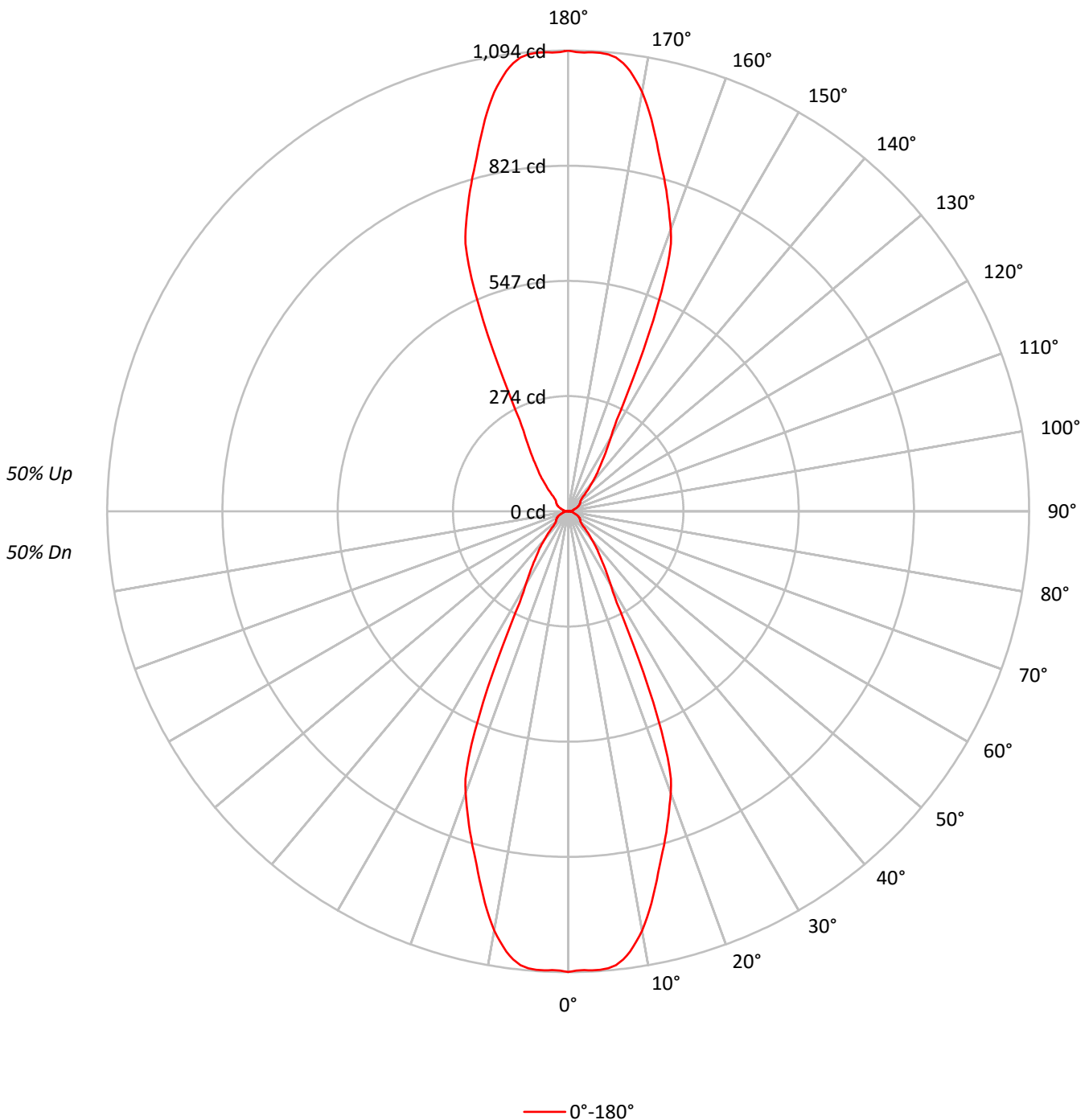
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	63	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	73	68	64	64	60	57		55	52	50		46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51		51	48	46		43	42	40	37
5	76	66	59	54	70	62	56	52	54	50	47		48	44	42		41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43		45	41	39		39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40		42	39	36		37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32		36	32	30		32	29	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	239805
5°	239687
10°	224912
15°	193440
20°	166124
25°	102296
30°	51071
35°	35790
40°	24904
45°	15971
50°	12997
55°	13228
60°	13464
65°	13023
70°	11669
75°	11014
80°	11996
85°	12077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	6.9
10°-20°	238.5	16.2
20°-30°	193.5	13.1
30°-40°	85.6	5.8
40°-50°	42.9	2.9
50°-60°	30.9	2.1
60°-70°	24.4	1.7
70°-80°	13.9	0.9
80°-90°	5.2	0.4
90°-100°	5.2	0.4
100°-110°	13.9	0.9
110°-120°	24.4	1.7
120°-130°	30.9	2.1
130°-140°	42.9	2.9
140°-150°	85.6	5.8
150°-160°	193.5	13.1
160°-170°	238.5	16.2
170°-180°	101.5	6.9
0°-30°	533.5	36.2
0°-40°	619.1	42.0
0°-60°	692.9	47.0
0°-90°	736.5	50.0
90°-120°	43.6	3.0
90°-150°	202.9	13.8
90°-180°	736.0	50.0
0°-180°	1473.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1094	
5°	1089	102
15°	852	238
25°	423	194
35°	134	86
45°	52	43
55°	35	31
65°	25	24
75°	13	14
85°	5	5
90°	0	1
95°	5	5
105°	13	14
115°	25	24
125°	35	31
135°	52	43
145°	134	86
155°	423	194
165°	852	238
175°	1089	102
180°	1094	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1093.6
1°	1090.6
2°	1089.7
3°	1091.4
4°	1091.4
5°	1088.9
6°	1083.2
7°	1072.0
8°	1055.5
9°	1034.3
10°	1010.1
11°	982.0
12°	950.8
13°	917.0
14°	883.7
15°	852.1
16°	824.9
17°	796.3
18°	767.7
19°	739.2
20°	711.9
21°	680.3
22°	630.5
23°	566.5
24°	496.4
25°	422.8
26°	353.6
27°	292.1
28°	245.4
29°	218.5
30°	201.7
32.5°	165.3
35°	133.7
37.5°	110.4
40°	87.0
42.5°	68.8
45°	51.5
47.5°	41.5
50°	38.1
52.5°	36.4
55°	34.6
57.5°	32.5
60°	30.7
62.5°	28.1
65°	25.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.2
70°	18.2
72.5°	14.7
75°	13.0
77.5°	11.3
80°	9.5
82.5°	7.4
85°	4.8
87.5°	2.2
90°	0.0
92.5°	2.2
95°	4.8
97.5°	7.4
100°	9.5
102.5°	11.3
105°	13.0
107.5°	14.7
110°	18.2
112.5°	21.2
115°	25.1
117.5°	28.1
120°	30.7
122.5°	32.5
125°	34.6
127.5°	36.4
130°	38.1
132.5°	41.5
135°	51.5
137.5°	68.8
140°	87.0
142.5°	110.4
145°	133.7
147.5°	165.3
150°	201.7
151°	218.5
152°	245.4
153°	292.1
154°	353.6
155°	422.8
156°	496.4
157°	566.5
158°	630.5
159°	680.3
160°	711.9
161°	739.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	767.7
163°	796.3
164°	824.9
165°	852.1
166°	883.7
167°	917.0
168°	950.8
169°	982.0
170°	1010.1
171°	1034.3
172°	1055.5
173°	1072.0
174°	1083.2
175°	1088.9
176°	1091.4
177°	1091.4
178°	1089.7
179°	1090.6
180°	1093.6

(END OF REPORT)