

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: P221306

Luminaire Tested: **9002-W2-FL-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED2790-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH 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: 720.4 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.25 / 0.25 / 0.25
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

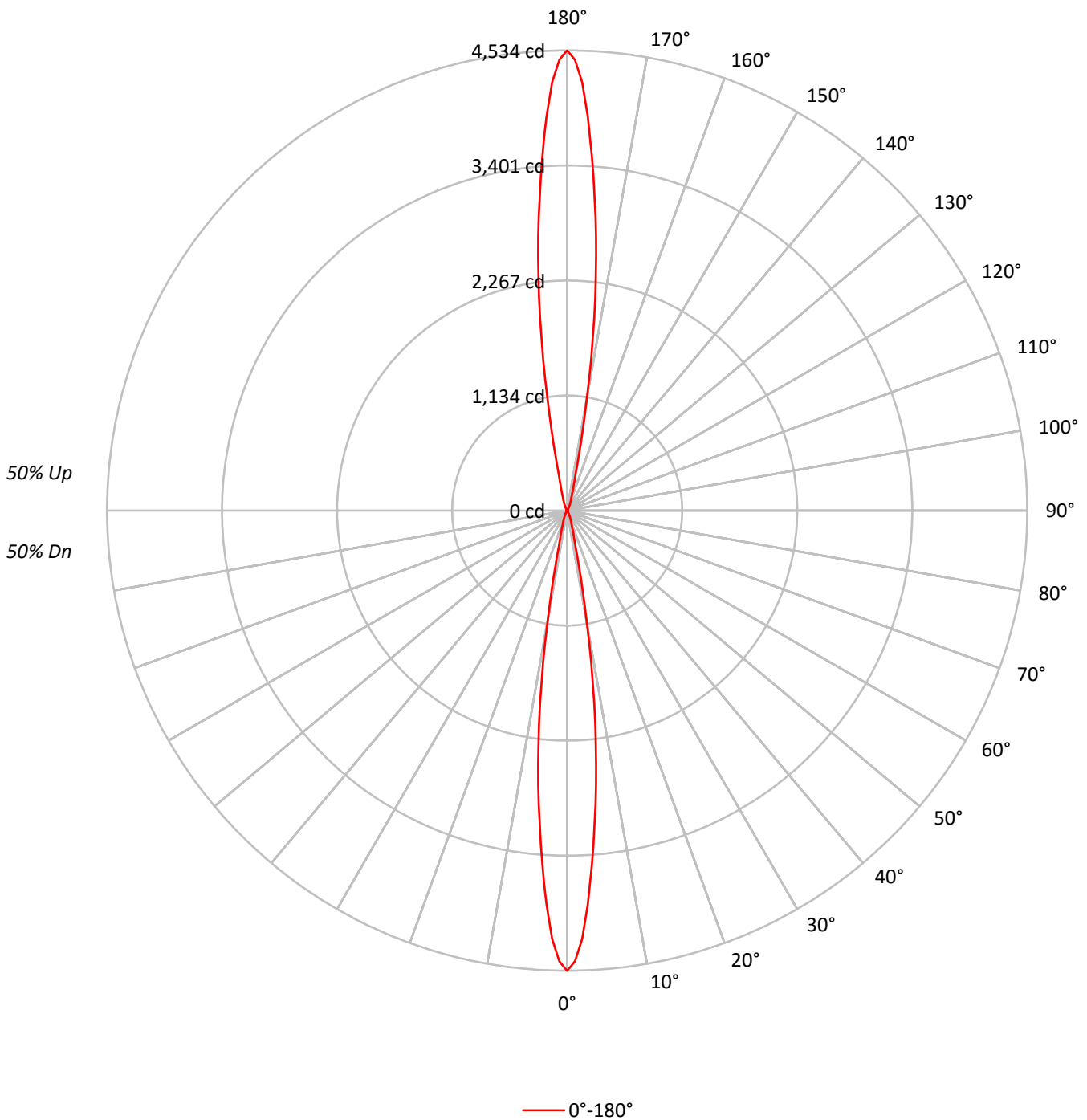
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	94	91	89	87	78	77	75	66	65	64	55	54	54	49
2	96	91	87	83	89	85	81	78	73	71	69	63	62	60	53	53	52	48
3	91	84	79	76	84	79	75	72	70	67	64	61	59	57	52	51	50	47
4	86	79	74	70	81	75	70	67	66	63	61	58	56	55	51	50	49	46
5	82	75	69	65	77	71	66	63	63	60	58	57	54	53	50	49	48	45
6	79	71	65	61	74	67	63	59	61	58	55	55	53	51	49	48	47	45
7	76	67	62	58	71	64	60	57	59	55	53	53	51	49	48	47	46	44
8	73	65	59	56	69	62	57	54	57	54	51	52	50	48	48	46	45	43
9	70	62	57	54	67	60	55	52	55	52	50	51	49	47	47	45	44	43
10	68	60	55	52	65	58	54	51	54	51	48	50	48	46	46	45	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2237032
5°	1537300
10°	560458
15°	115284
20°	55655
25°	27600
30°	10369
35°	5481
40°	4380
45°	3140
50°	2917
55°	2581
60°	2960
65°	3502
70°	3318
75°	2859
80°	2273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	32.3
10°-20°	85.4	11.8
20°-30°	24.4	3.4
30°-40°	6.4	0.9
40°-50°	3.8	0.5
50°-60°	3.0	0.4
60°-70°	2.7	0.4
70°-80°	1.6	0.2
80°-90°	0.1	0.0
90°-100°	0.1	0.0
100°-110°	1.6	0.2
110°-120°	2.7	0.4
120°-130°	3.0	0.4
130°-140°	3.8	0.5
140°-150°	6.4	0.9
150°-160°	24.4	3.4
160°-170°	85.4	11.8
170°-180°	233.0	32.3
0°-30°	342.7	47.6
0°-40°	349.0	48.5
0°-60°	355.7	49.4
0°-90°	360.2	50.0
90°-120°	4.4	0.6
90°-150°	17.5	2.4
90°-180°	360.0	50.0
0°-180°	720.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4534	
5°	3104	233
15°	226	85
25°	51	24
35°	9	6
45°	4	4
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	2	2
115°	3	3
125°	3	3
135°	4	4
145°	9	6
155°	51	24
165°	226	85
175°	3104	233
180°	4534	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4534.1
1°	4441.7
2°	4222.0
3°	3884.9
4°	3494.9
5°	3104.0
6°	2717.7
7°	2325.4
8°	1916.3
9°	1506.6
10°	1118.7
11°	784.7
12°	540.1
13°	380.2
14°	284.0
15°	225.7
17.5°	146.9
20°	106.0
22.5°	78.0
25°	50.7
27.5°	30.3
30°	18.2
32.5°	12.1
35°	9.1
37.5°	7.6
40°	6.8
42.5°	5.3
45°	4.5
47.5°	4.5
50°	3.8
52.5°	3.8
55°	3.0
57.5°	3.0
60°	3.0
62.5°	3.0
65°	3.0
67.5°	2.3
70°	2.3
72.5°	2.3
75°	1.5
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.8
102.5°	0.8
105°	1.5
107.5°	2.3
110°	2.3
112.5°	2.3
115°	3.0
117.5°	3.0
120°	3.0
122.5°	3.0
125°	3.0
127.5°	3.8
130°	3.8
132.5°	4.5
135°	4.5
137.5°	5.3
140°	6.8
142.5°	7.6
145°	9.1
147.5°	12.1
150°	18.2
152.5°	30.3
155°	50.7
157.5°	78.0
160°	106.0
162.5°	146.9
165°	225.7
166°	284.0
167°	380.2
168°	540.1
169°	784.7
170°	1118.7
171°	1506.6
172°	1916.3
173°	2325.4
174°	2717.7
175°	3104.0
176°	3494.9
177°	3884.9
178°	4222.0
179°	4441.7



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CANDELA DISTRIBUTION (continued):

180° | $\frac{0^\circ}{4534.1}$

(END OF REPORT)