

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: P221396

Luminaire Tested: **9003-W2-[RW, RI]-LED2790-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221396
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-L2-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: 2713.0 lumens
Efficiency: N/A
Efficacy: 67.5 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

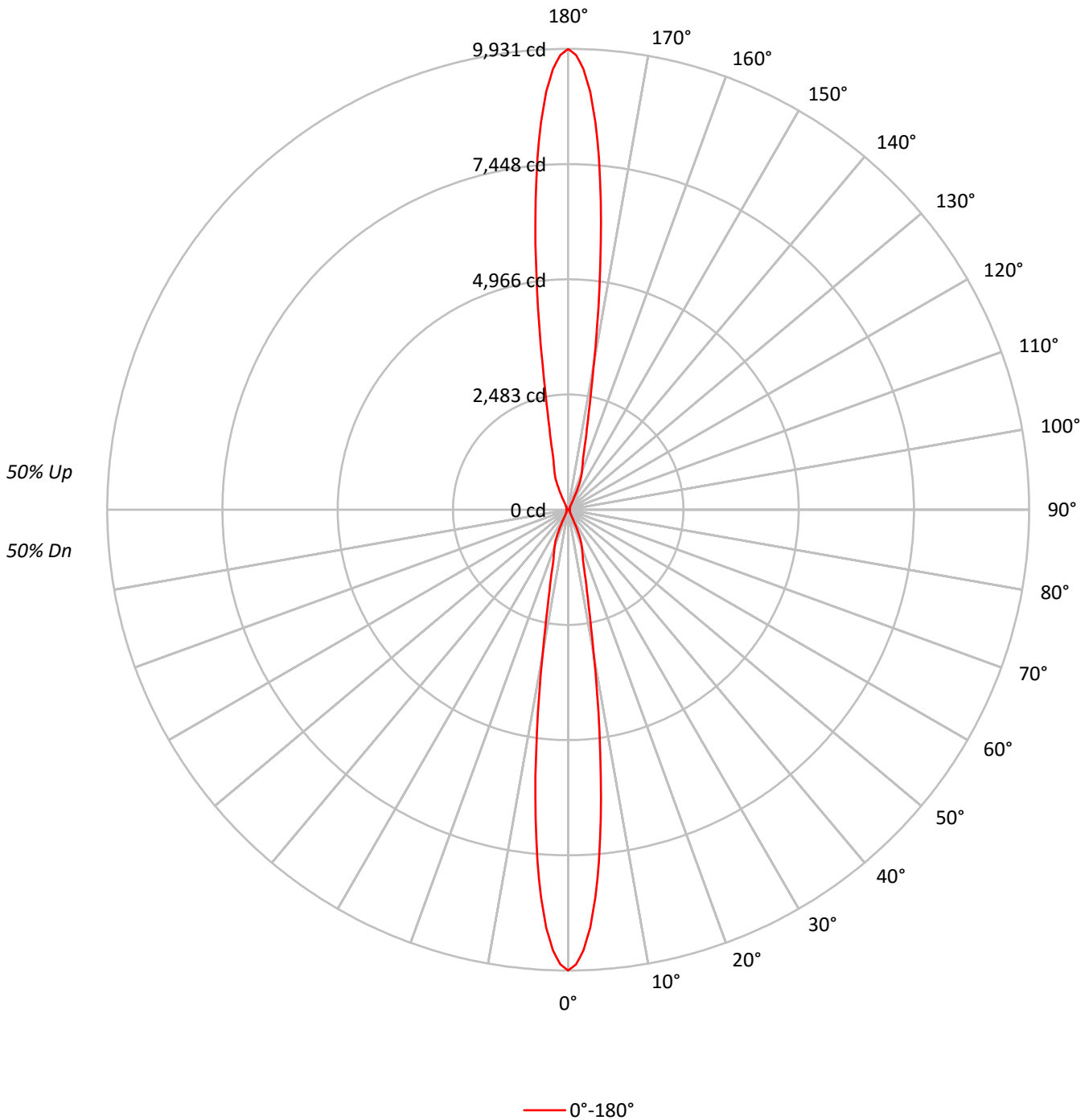
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2177611
5°	1672943
10°	709228
15°	304338
20°	202458
25°	96368
30°	23700
35°	17561
40°	16832
45°	16839
50°	17228
55°	19306
60°	19516
65°	18005
70°	15003
75°	13386
80°	15280
85°	15096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.9	21.1
10°-20°	410.0	15.1
20°-30°	185.4	6.8
30°-40°	43.8	1.6
40°-50°	42.0	1.5
50°-60°	44.3	1.6
60°-70°	34.1	1.3
70°-80°	17.6	0.6
80°-90°	6.4	0.2
90°-100°	6.4	0.2
100°-110°	17.6	0.6
110°-120°	34.1	1.3
120°-130°	44.3	1.6
130°-140°	42.0	1.5
140°-150°	43.8	1.6
150°-160°	185.4	6.8
160°-170°	410.0	15.1
170°-180°	572.9	21.1
0°-30°	1168.3	43.1
0°-40°	1212.1	44.7
0°-60°	1298.4	47.9
0°-90°	1356.5	50.0
90°-120°	58.1	2.1
90°-150°	188.2	6.9
90°-180°	1357.0	50.0
0°-180°	2713.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9931	
5°	7600	573
15°	1341	410
25°	398	185
35°	66	44
45°	54	42
55°	50	44
65°	35	34
75°	16	18
85°	6	6
90°	0	1
95°	6	6
105°	16	18
115°	35	34
125°	50	44
135°	54	42
145°	66	44
155°	398	185
165°	1341	410
175°	7600	573
180°	9931	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9930.7
1°	9800.9
2°	9499.1
3°	9020.8
4°	8377.3
5°	7600.2
6°	6710.0
7°	5777.5
8°	4835.2
9°	3954.8
10°	3185.2
11°	2572.6
12°	2124.5
13°	1795.6
14°	1538.3
15°	1340.6
16°	1181.5
17°	1074.3
18°	994.4
19°	924.9
20°	867.6
22.5°	689.6
25°	398.3
26°	290.5
27°	197.7
28°	131.3
29°	103.4
30°	93.6
32.5°	78.5
35°	65.6
37.5°	61.1
40°	58.8
42.5°	56.6
45°	54.3
47.5°	52.1
50°	50.5
52.5°	50.5
55°	50.5
57.5°	49.0
60°	44.5
62.5°	40.7
65°	34.7
67.5°	28.7
70°	23.4
72.5°	18.9



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CANDELA DISTRIBUTION (continued):

	0°
75°	15.8
77.5°	14.3
80°	12.1
82.5°	9.1
85°	6.0
87.5°	2.3
90°	0.0
92.5°	2.3
95°	6.0
97.5°	9.1
100°	12.1
102.5°	14.3
105°	15.8
107.5°	18.9
110°	23.4
112.5°	28.7
115°	34.7
117.5°	40.7
120°	44.5
122.5°	49.0
125°	50.5
127.5°	50.5
130°	50.5
132.5°	52.1
135°	54.3
137.5°	56.6
140°	58.8
142.5°	61.1
145°	65.6
147.5°	78.5
150°	93.6
151°	103.4
152°	131.3
153°	197.7
154°	290.5
155°	398.3
157.5°	689.6
160°	867.6
161°	924.9
162°	994.4
163°	1074.3
164°	1181.5
165°	1340.6
166°	1538.3
167°	1795.6



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CANDELA DISTRIBUTION (continued):

	0°
168°	2124.5
169°	2572.6
170°	3185.2
171°	3954.8
172°	4835.2
173°	5777.5
174°	6710.0
175°	7600.2
176°	8377.3
177°	9020.8
178°	9499.1
179°	9800.9
180°	9930.7

(END OF REPORT)