

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: P221394

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
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-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2291.0 lumens
Efficiency: N/A
Efficacy: 57.0 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

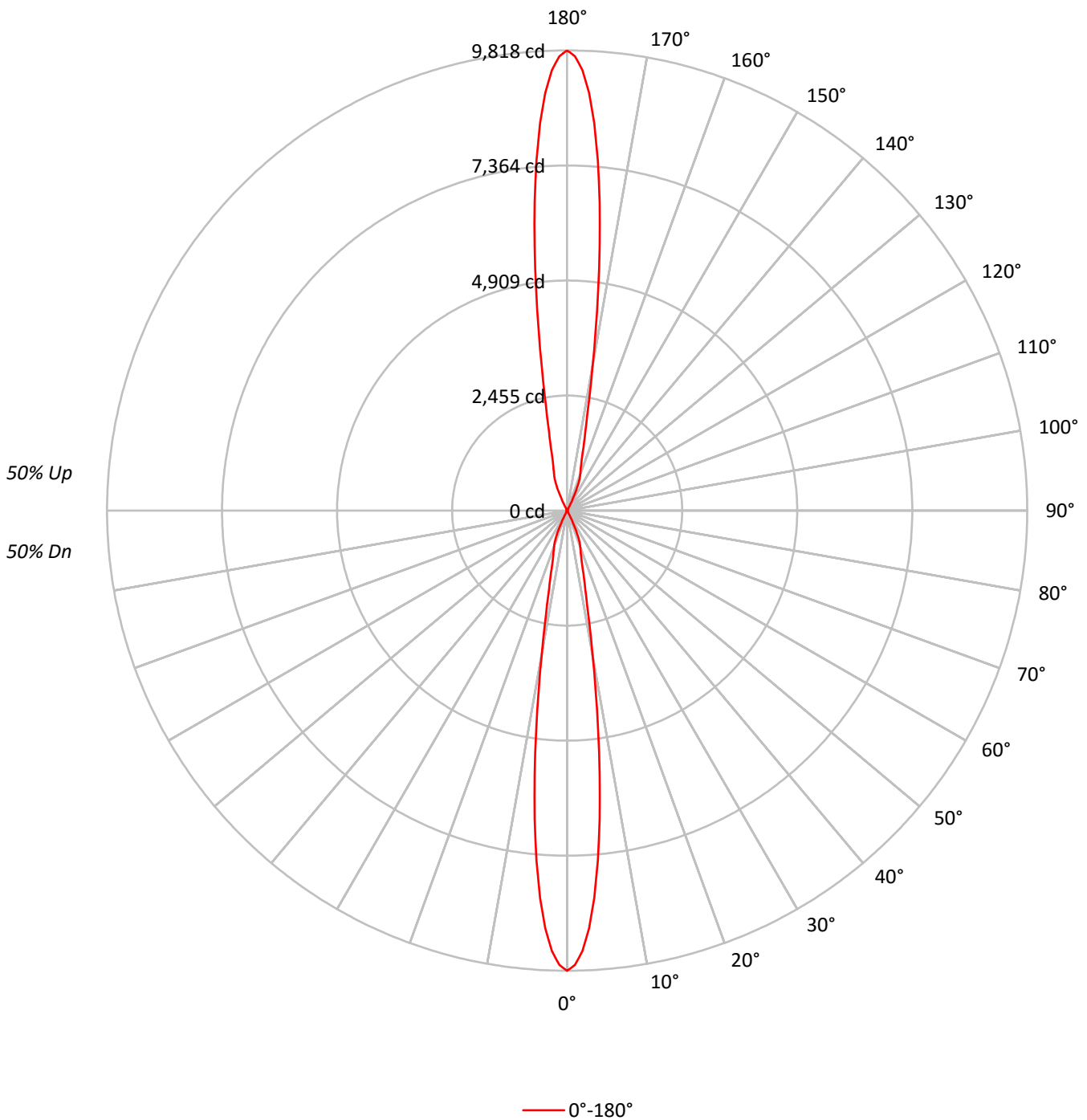
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221394

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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	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2152942
5°	1649368
10°	691927
15°	292011
20°	189950
25°	83231
30°	11268
35°	4230
40°	3034
45°	2326
50°	2047
55°	2026
60°	1667
65°	1193
70°	513
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.1	24.6
10°-20°	393.3	17.2
20°-30°	162.1	7.1
30°-40°	12.8	0.6
40°-50°	6.1	0.3
50°-60°	4.5	0.2
60°-70°	2.2	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.5	0.0
110°-120°	2.2	0.1
120°-130°	4.5	0.2
130°-140°	6.1	0.3
140°-150°	12.8	0.6
150°-160°	162.1	7.1
160°-170°	393.3	17.2
170°-180°	564.1	24.6
0°-30°	1119.6	48.9
0°-40°	1132.4	49.4
0°-60°	1142.9	49.9
0°-90°	1145.5	50.0
90°-120°	2.8	0.1
90°-150°	26.1	1.1
90°-180°	1146.0	50.0
0°-180°	2291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9818	
5°	7493	564
15°	1286	393
25°	344	162
35°	16	13
45°	8	6
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	2
125°	5	4
135°	8	6
145°	16	13
155°	344	162
165°	1286	393
175°	7493	564
180°	9818	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9818.2
1°	9693.0
2°	9399.5
3°	8922.0
4°	8284.5
5°	7493.1
6°	6612.6
7°	5690.0
8°	4740.9
9°	3871.0
10°	3107.5
11°	2503.2
12°	2055.8
13°	1726.2
14°	1485.5
15°	1286.3
16°	1125.6
17°	1020.8
18°	940.0
19°	869.1
20°	814.0
21°	763.5
22°	686.5
23°	581.7
24°	462.5
25°	344.0
26°	239.2
27°	143.3
28°	80.0
29°	53.6
30°	44.5
32.5°	28.7
35°	15.8
37.5°	12.1
40°	10.6
42.5°	9.1
45°	7.5
47.5°	6.8
50°	6.0
52.5°	5.3
55°	5.3
57.5°	4.5
60°	3.8
62.5°	3.0
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.5
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.8
110°	0.8
112.5°	1.5
115°	2.3
117.5°	3.0
120°	3.8
122.5°	4.5
125°	5.3
127.5°	5.3
130°	6.0
132.5°	6.8
135°	7.5
137.5°	9.1
140°	10.6
142.5°	12.1
145°	15.8
147.5°	28.7
150°	44.5
151°	53.6
152°	80.0
153°	143.3
154°	239.2
155°	344.0
156°	462.5
157°	581.7
158°	686.5
159°	763.5
160°	814.0
161°	869.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	940.0
163°	1020.8
164°	1125.6
165°	1286.3
166°	1485.5
167°	1726.2
168°	2055.8
169°	2503.2
170°	3107.5
171°	3871.0
172°	4740.9
173°	5690.0
174°	6612.6
175°	7493.1
176°	8284.5
177°	8922.0
178°	9399.5
179°	9693.0
180°	9818.2

(END OF REPORT)