

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: P221398

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2064.7 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

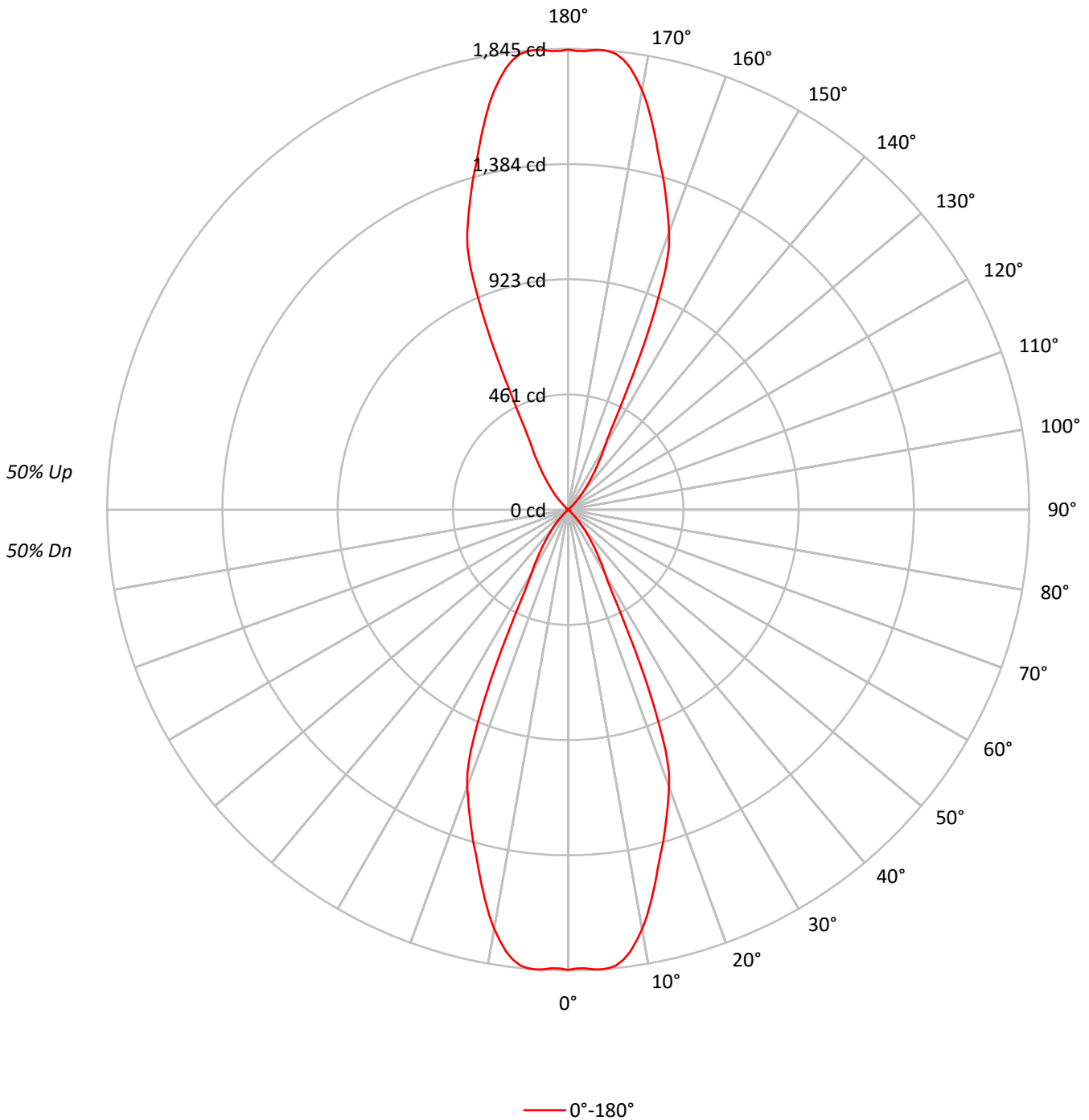
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	77	75	74		65	64	63		54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66		61	59	57		51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47		48	45	43		42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44		45	42	40		40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41		43	40	38		39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38		41	38	36		37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36		39	36	34		35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	403981
5°	405700
10°	379485
15°	324224
20°	275521
25°	163727
30°	74492
35°	47248
40°	26793
45°	9830
50°	3104
55°	2294
60°	1974
65°	1193
70°	513
75°	678
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	8.3
10°-20°	399.1	19.3
20°-30°	309.9	15.0
30°-40°	113.0	5.5
40°-50°	29.9	1.4
50°-60°	5.6	0.3
60°-70°	2.5	0.1
70°-80°	0.7	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	2.5	0.1
120°-130°	5.6	0.3
130°-140°	29.9	1.4
140°-150°	113.0	5.5
150°-160°	309.9	15.0
160°-170°	399.1	19.3
170°-180°	171.7	8.3
0°-30°	880.7	42.7
0°-40°	993.6	48.1
0°-60°	1029.1	49.8
0°-90°	1032.3	50.0
90°-120°	3.3	0.2
90°-150°	151.7	7.3
90°-180°	1032.0	50.0
0°-180°	2064.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1842	
5°	1843	172
15°	1428	399
25°	677	310
35°	176	113
45°	32	30
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	3
125°	6	6
135°	32	30
145°	176	113
155°	677	310
165°	1428	399
175°	1843	172
180°	1842	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1842.3
1°	1837.1
2°	1837.1
3°	1842.3
4°	1845.4
5°	1843.1
6°	1834.0
7°	1815.2
8°	1785.8
9°	1747.3
10°	1704.3
11°	1654.5
12°	1599.4
13°	1541.3
14°	1481.7
15°	1428.2
16°	1379.9
17°	1328.6
18°	1279.5
19°	1229.7
20°	1180.7
21°	1126.4
22°	1040.4
23°	927.2
24°	804.2
25°	676.7
26°	556.8
27°	449.6
28°	368.9
29°	322.9
30°	294.2
32.5°	231.6
35°	176.5
37.5°	132.8
40°	93.6
42.5°	61.9
45°	31.7
47.5°	14.3
50°	9.1
52.5°	6.8
55°	6.0
57.5°	5.3
60°	4.5
62.5°	3.0
65°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
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°	0.8
105°	0.8
107.5°	0.8
110°	0.8
112.5°	2.3
115°	2.3
117.5°	3.0
120°	4.5
122.5°	5.3
125°	6.0
127.5°	6.8
130°	9.1
132.5°	14.3
135°	31.7
137.5°	61.9
140°	93.6
142.5°	132.8
145°	176.5
147.5°	231.6
150°	294.2
151°	322.9
152°	368.9
153°	449.6
154°	556.8
155°	676.7
156°	804.2
157°	927.2
158°	1040.4
159°	1126.4
160°	1180.7
161°	1229.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1279.5
163°	1328.6
164°	1379.9
165°	1428.2
166°	1481.7
167°	1541.3
168°	1599.4
169°	1654.5
170°	1704.3
171°	1747.3
172°	1785.8
173°	1815.2
174°	1834.0
175°	1843.1
176°	1845.4
177°	1842.3
178°	1837.1
179°	1837.1
180°	1842.3

(END OF REPORT)