

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: P221412

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221412
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]-LED2797-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514.6 lumens
Efficiency: N/A
Efficacy: 62.6 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

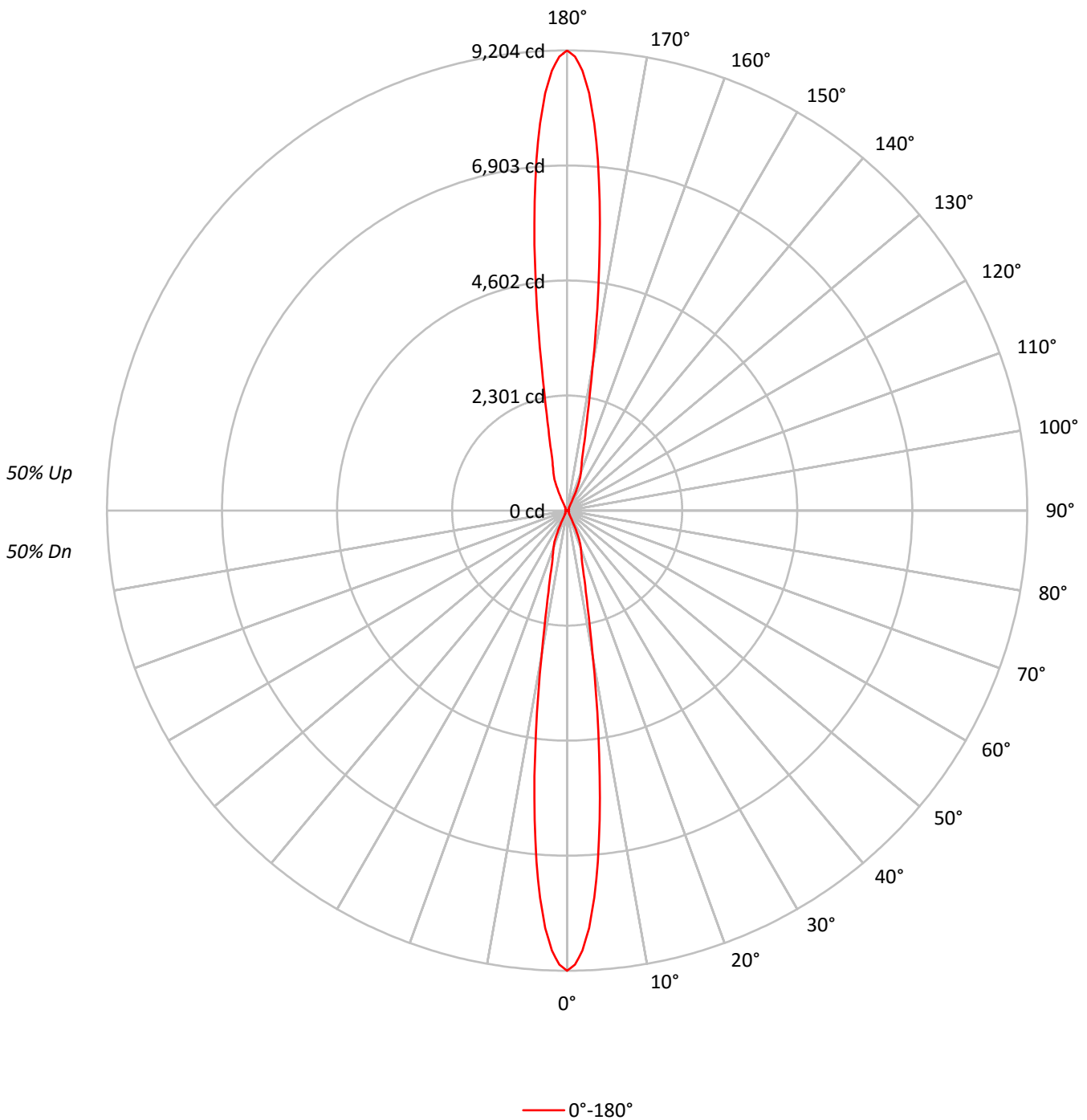
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2018303
5°	1550557
10°	657347
15°	282090
20°	187640
25°	89328
30°	21953
35°	16276
40°	15601
45°	15599
50°	15965
55°	17892
60°	18113
65°	16707
70°	13913
75°	12454
80°	14143
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.0	21.1
10°-20°	380.0	15.1
20°-30°	171.8	6.8
30°-40°	40.5	1.6
40°-50°	38.9	1.5
50°-60°	41.0	1.6
60°-70°	31.7	1.3
70°-80°	16.3	0.7
80°-90°	5.9	0.2
90°-100°	5.9	0.2
100°-110°	16.3	0.7
110°-120°	31.7	1.3
120°-130°	41.0	1.6
130°-140°	38.9	1.5
140°-150°	40.5	1.6
150°-160°	171.8	6.8
160°-170°	380.0	15.1
170°-180°	531.0	21.1
0°-30°	1082.8	43.1
0°-40°	1123.4	44.7
0°-60°	1203.4	47.9
0°-90°	1257.3	50.0
90°-120°	53.9	2.1
90°-150°	174.4	6.9
90°-180°	1257.0	50.0
0°-180°	2514.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9204	
5°	7044	531
15°	1243	380
25°	369	172
35°	61	41
45°	50	39
55°	47	41
65°	32	32
75°	15	16
85°	6	6
90°	0	1
95°	6	6
105°	15	16
115°	32	32
125°	47	41
135°	50	39
145°	61	41
155°	369	172
165°	1243	380
175°	7044	531
180°	9204	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9204.2
1°	9083.9
2°	8804.2
3°	8360.9
4°	7764.5
5°	7044.2
6°	6219.1
7°	5354.8
8°	4481.5
9°	3665.5
10°	2952.2
11°	2384.4
12°	1969.1
13°	1664.2
14°	1425.8
15°	1242.6
16°	1095.0
17°	995.7
18°	921.6
19°	857.3
20°	804.1
22.5°	639.1
25°	369.2
26°	269.2
27°	183.2
28°	121.7
29°	95.8
30°	86.7
32.5°	72.7
35°	60.8
37.5°	56.6
40°	54.5
42.5°	52.4
45°	50.3
47.5°	48.2
50°	46.8
52.5°	46.8
55°	46.8
57.5°	45.5
60°	41.3
62.5°	37.8
65°	32.2
67.5°	26.6
70°	21.7
72.5°	17.5



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CANDELA DISTRIBUTION (continued):

	0°
75°	14.7
77.5°	13.3
80°	11.2
82.5°	8.4
85°	5.6
87.5°	2.1
90°	0.0
92.5°	2.1
95°	5.6
97.5°	8.4
100°	11.2
102.5°	13.3
105°	14.7
107.5°	17.5
110°	21.7
112.5°	26.6
115°	32.2
117.5°	37.8
120°	41.3
122.5°	45.5
125°	46.8
127.5°	46.8
130°	46.8
132.5°	48.2
135°	50.3
137.5°	52.4
140°	54.5
142.5°	56.6
145°	60.8
147.5°	72.7
150°	86.7
151°	95.8
152°	121.7
153°	183.2
154°	269.2
155°	369.2
157.5°	639.1
160°	804.1
161°	857.3
162°	921.6
163°	995.7
164°	1095.0
165°	1242.6
166°	1425.8
167°	1664.2



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CANDELA DISTRIBUTION (continued):

	0°
168°	1969.1
169°	2384.4
170°	2952.2
171°	3665.5
172°	4481.5
173°	5354.8
174°	6219.1
175°	7044.2
176°	7764.5
177°	8360.9
178°	8804.2
179°	9083.9
180°	9204.2

(END OF REPORT)