

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: P221767

Luminaire Tested: **9004-W2-[RW, RI]-LED2797-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-[RW, RI]-LED2797-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2804.1 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

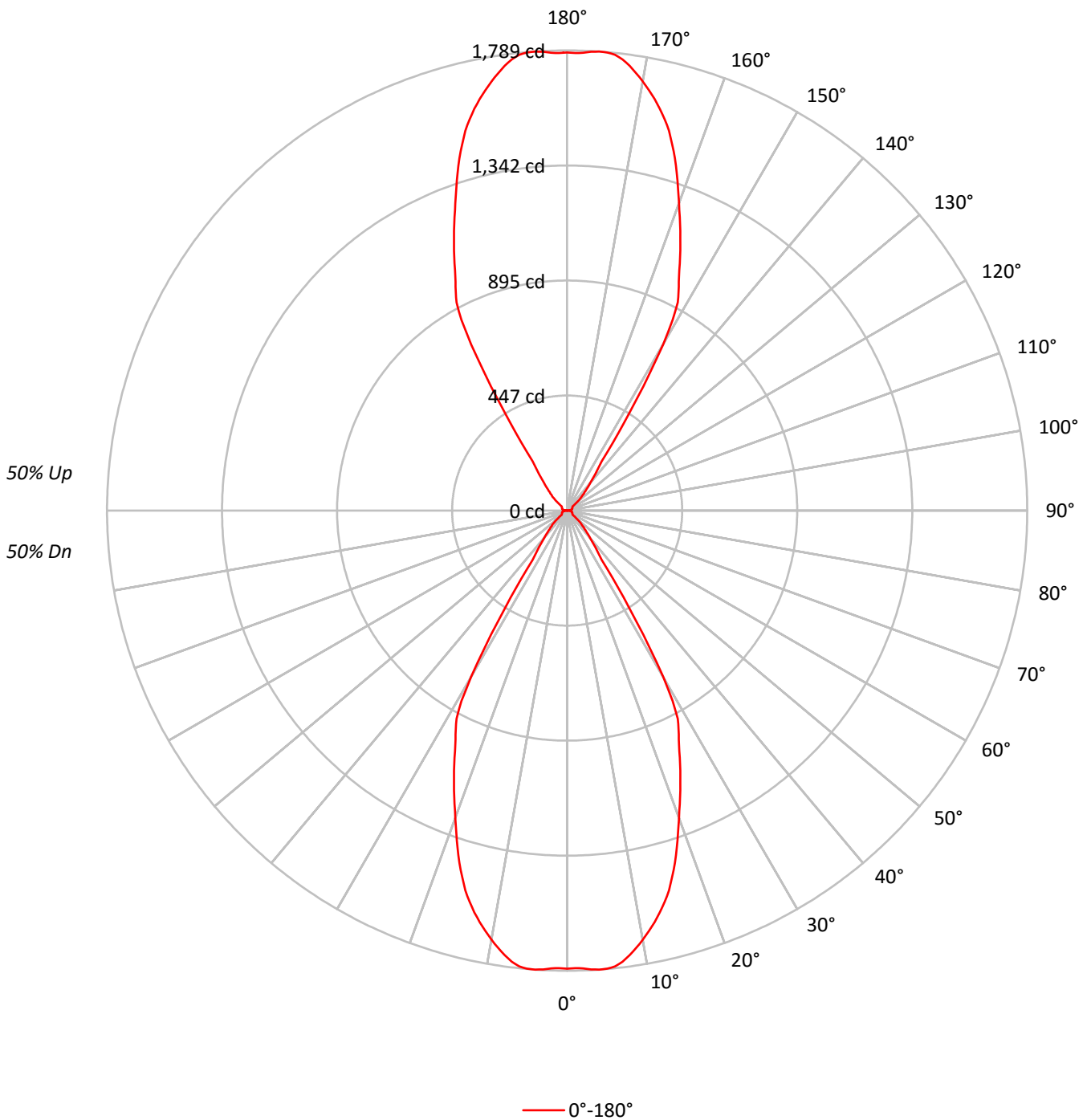
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	93	90	92	89	87	84	76	74	73	64	63	62	53	52	51	46
2	93	87	82	78	86	81	77	73	70	67	64	59	57	56	50	48	47	43
3	87	79	73	69	80	74	69	65	64	61	58	55	53	51	47	45	44	40
4	81	72	66	61	75	68	62	58	59	55	52	51	49	46	44	42	41	37
5	76	67	60	55	71	63	57	53	55	51	48	48	45	43	42	40	38	35
6	71	61	55	50	66	58	52	48	51	47	44	45	42	39	39	37	35	33
7	67	57	50	46	63	54	48	44	48	43	40	42	39	37	37	35	33	31
8	63	53	46	42	59	50	44	40	45	40	37	40	37	34	35	33	31	29
9	60	49	43	39	56	47	41	37	42	38	35	38	34	32	34	31	29	28
10	56	46	40	36	53	44	38	35	40	35	32	36	32	30	32	30	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219629
5°	221397
10°	212133
15°	195185
20°	166847
25°	140452
30°	106165
35°	35265
40°	22430
45°	15246
50°	8904
55°	5333
60°	5847
65°	6450
70°	7393
75°	9007
80°	10726
85°	10756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	6.0
10°-20°	421.6	15.0
20°-30°	472.2	16.8
30°-40°	197.5	7.0
40°-50°	68.6	2.4
50°-60°	24.9	0.9
60°-70°	21.9	0.8
70°-80°	19.6	0.7
80°-90°	8.2	0.3
90°-100°	8.2	0.3
100°-110°	19.6	0.7
110°-120°	21.9	0.8
120°-130°	24.9	0.9
130°-140°	68.6	2.4
140°-150°	197.5	7.0
150°-160°	472.2	16.8
160°-170°	421.6	15.0
170°-180°	167.6	6.0
0°-30°	1061.4	37.9
0°-40°	1258.9	44.9
0°-60°	1352.4	48.2
0°-90°	1402.1	50.0
90°-120°	49.7	1.8
90°-150°	340.7	12.1
90°-180°	1402.0	50.0
0°-180°	2804.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1781	
5°	1788	168
15°	1528	422
25°	1032	472
35°	234	197
45°	87	69
55°	25	25
65°	22	22
75°	19	20
85°	8	8
90°	0	1
95°	8	8
105°	19	20
115°	22	22
125°	25	25
135°	87	69
145°	234	197
155°	1032	472
165°	1528	422
175°	1788	168
180°	1781	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1780.6
1°	1779.0
2°	1780.6
3°	1786.0
4°	1789.2
5°	1788.1
6°	1781.6
7°	1767.6
8°	1745.5
9°	1720.7
10°	1693.7
11°	1665.1
12°	1635.9
13°	1603.0
14°	1567.9
15°	1528.5
16°	1481.6
17°	1432.4
18°	1379.6
19°	1324.5
20°	1271.1
21°	1221.4
22°	1173.4
23°	1125.9
24°	1079.5
25°	1032.0
26°	990.4
27°	953.7
28°	915.9
29°	846.8
30°	745.4
32.5°	446.9
35°	234.2
37.5°	179.2
40°	139.3
42.5°	108.5
45°	87.4
47.5°	70.2
50°	46.4
52.5°	27.5
55°	24.8
57.5°	24.3
60°	23.7
62.5°	23.2
65°	22.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	21.0
70°	20.5
72.5°	20.0
75°	18.9
77.5°	17.3
80°	15.1
82.5°	11.9
85°	7.6
87.5°	3.2
90°	0.0
92.5°	3.2
95°	7.6
97.5°	11.9
100°	15.1
102.5°	17.3
105°	18.9
107.5°	20.0
110°	20.5
112.5°	21.0
115°	22.1
117.5°	23.2
120°	23.7
122.5°	24.3
125°	24.8
127.5°	27.5
130°	46.4
132.5°	70.2
135°	87.4
137.5°	108.5
140°	139.3
142.5°	179.2
145°	234.2
147.5°	446.9
150°	745.4
151°	846.8
152°	915.9
153°	953.7
154°	990.4
155°	1032.0
156°	1079.5
157°	1125.9
158°	1173.4
159°	1221.4
160°	1271.1
161°	1324.5



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CANDELA DISTRIBUTION (continued):

	0°
162°	1379.6
163°	1432.4
164°	1481.6
165°	1528.5
166°	1567.9
167°	1603.0
168°	1635.9
169°	1665.1
170°	1693.7
171°	1720.7
172°	1745.5
173°	1767.6
174°	1781.6
175°	1788.1
176°	1789.2
177°	1786.0
178°	1780.6
179°	1779.0
180°	1780.6

(END OF REPORT)