

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: P221935

Luminaire Tested: **9004-W2-[RW, RI]-LED5080-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221935
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]-LED5080-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4166.1 lumens
Efficiency: N/A
Efficacy: 103.6 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

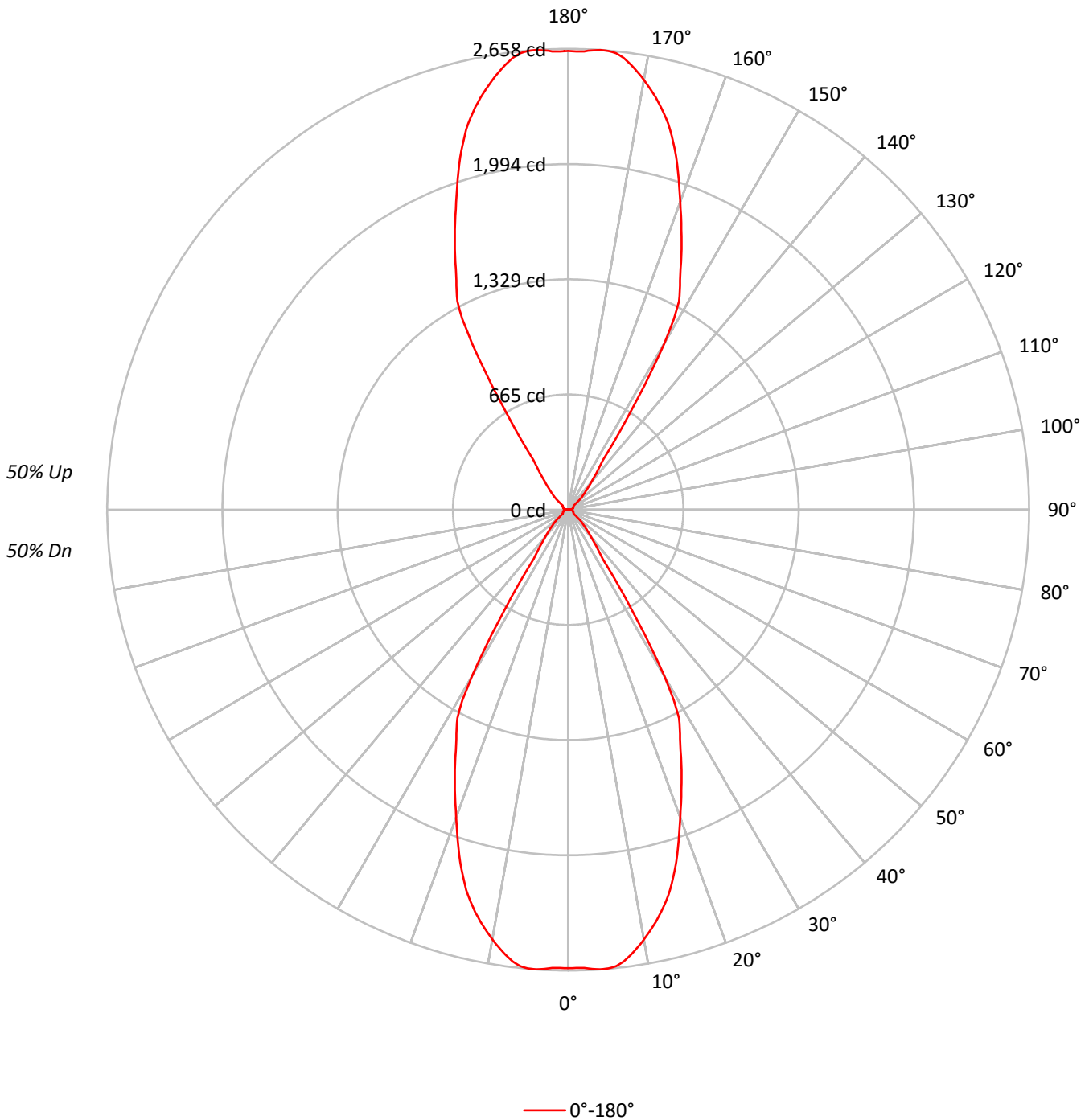
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	52	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°	326286
5°	328919
10°	315150
15°	289974
20°	247875
25°	208650
30°	157724
35°	52401
40°	33314
45°	22659
50°	13241
55°	7935
60°	8708
65°	9602
70°	10999
75°	13392
80°	15982
85°	15851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.0	6.0
10°-20°	626.3	15.0
20°-30°	701.5	16.8
30°-40°	293.4	7.0
40°-50°	101.9	2.4
50°-60°	37.0	0.9
60°-70°	32.6	0.8
70°-80°	29.1	0.7
80°-90°	12.2	0.3
90°-100°	12.2	0.3
100°-110°	29.1	0.7
110°-120°	32.6	0.8
120°-130°	37.0	0.9
130°-140°	101.9	2.4
140°-150°	293.4	7.0
150°-160°	701.5	16.8
160°-170°	626.3	15.0
170°-180°	249.0	6.0
0°-30°	1576.9	37.8
0°-40°	1870.2	44.9
0°-60°	2009.2	48.2
0°-90°	2083.1	50.0
90°-120°	73.9	1.8
90°-150°	506.2	12.2
90°-180°	2083.0	50.0
0°-180°	4166.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2645	
5°	2656	249
15°	2271	626
25°	1533	702
35°	348	293
45°	130	102
55°	37	37
65°	33	33
75°	28	29
85°	11	12
90°	0	1
95°	11	12
105°	28	29
115°	33	33
125°	37	37
135°	130	102
145°	348	293
155°	1533	702
165°	2271	626
175°	2656	249
180°	2645	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2645.3
1°	2642.9
2°	2645.3
3°	2653.3
4°	2658.1
5°	2656.5
6°	2646.9
7°	2626.1
8°	2593.2
9°	2556.3
10°	2516.2
11°	2473.7
12°	2430.4
13°	2381.5
14°	2329.4
15°	2270.8
16°	2201.1
17°	2128.1
18°	2049.5
19°	1967.7
20°	1888.4
21°	1814.6
22°	1743.2
23°	1672.7
24°	1603.7
25°	1533.1
26°	1471.4
27°	1416.9
28°	1360.7
29°	1258.1
30°	1107.4
32.5°	663.9
35°	348.0
37.5°	266.2
40°	206.9
42.5°	161.2
45°	129.9
47.5°	104.2
50°	69.0
52.5°	40.9
55°	36.9
57.5°	36.1
60°	35.3
62.5°	34.5
65°	32.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	31.3
70°	30.5
72.5°	29.7
75°	28.1
77.5°	25.7
80°	22.5
82.5°	17.6
85°	11.2
87.5°	4.8
90°	0.0
92.5°	4.8
95°	11.2
97.5°	17.6
100°	22.5
102.5°	25.7
105°	28.1
107.5°	29.7
110°	30.5
112.5°	31.3
115°	32.9
117.5°	34.5
120°	35.3
122.5°	36.1
125°	36.9
127.5°	40.9
130°	69.0
132.5°	104.2
135°	129.9
137.5°	161.2
140°	206.9
142.5°	266.2
145°	348.0
147.5°	663.9
150°	1107.4
151°	1258.1
152°	1360.7
153°	1416.9
154°	1471.4
155°	1533.1
156°	1603.7
157°	1672.7
158°	1743.2
159°	1814.6
160°	1888.4
161°	1967.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	2049.5
163°	2128.1
164°	2201.1
165°	2270.8
166°	2329.4
167°	2381.5
168°	2430.4
169°	2473.7
170°	2516.2
171°	2556.3
172°	2593.2
173°	2626.1
174°	2646.9
175°	2656.5
176°	2658.1
177°	2653.3
178°	2645.3
179°	2642.9
180°	2645.3

(END OF REPORT)