

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: P221773

Luminaire Tested: **9004-W2-[RW, RI]-LED3090-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
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]-LED3090-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

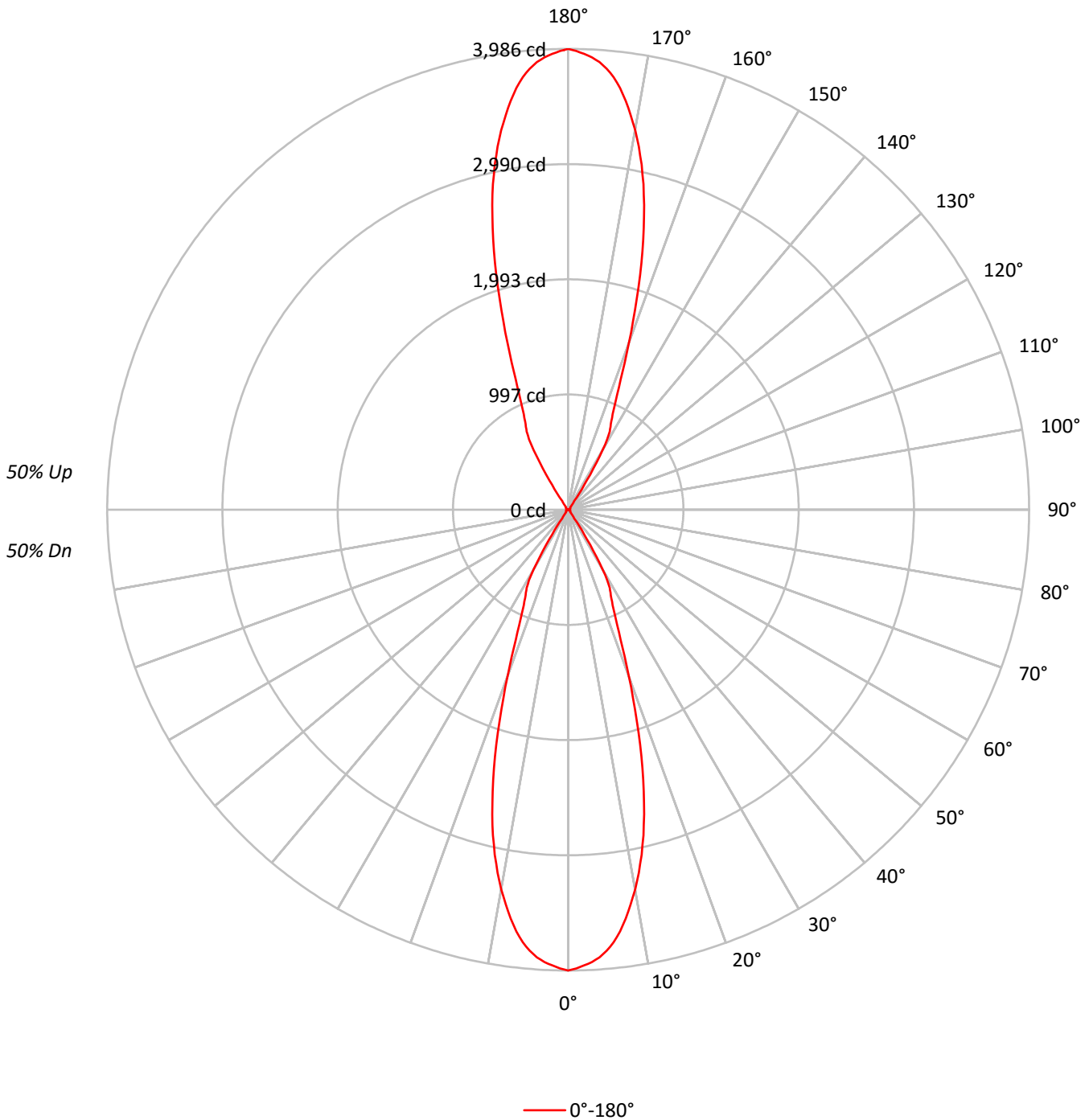
Lumens per Lamp: N/A
Luminaire Lumens: 3325.2 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

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	97	94	91	93	90	87	85	77	75	74	65	64	63	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	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	47	45	44	40
5	78	69	63	59	73	65	60	56	58	54	51	51	48	46	45	43	41	39
6	74	65	58	54	69	61	56	52	55	51	48	49	46	43	43	41	39	37
7	70	60	54	50	66	57	52	48	52	48	45	46	43	41	41	39	38	35
8	66	57	51	47	62	54	49	45	49	45	42	44	41	39	39	37	36	34
9	63	54	48	44	60	51	46	42	46	42	40	42	39	37	38	36	34	33
10	60	51	45	41	57	48	43	40	44	40	38	40	37	35	37	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	491680
5°	474107
10°	417478
15°	322358
20°	201250
25°	123916
30°	84929
35°	13356
40°	6054
45°	4082
50°	4260
55°	4645
60°	5156
65°	5750
70°	6672
75°	8197
80°	9660
85°	9624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.6	10.5
10°-20°	677.9	20.4
20°-30°	439.0	13.2
30°-40°	112.9	3.4
40°-50°	19.3	0.6
50°-60°	19.5	0.6
60°-70°	19.5	0.6
70°-80°	17.6	0.5
80°-90°	7.4	0.2
90°-100°	7.4	0.2
100°-110°	17.6	0.5
110°-120°	19.5	0.6
120°-130°	19.5	0.6
130°-140°	19.3	0.6
140°-150°	112.9	3.4
150°-160°	439.0	13.2
160°-170°	677.9	20.4
170°-180°	349.6	10.5
0°-30°	1466.4	44.1
0°-40°	1579.3	47.5
0°-60°	1618.1	48.7
0°-90°	1662.6	50.0
90°-120°	44.5	1.3
90°-150°	196.2	5.9
90°-180°	1663.0	50.0
0°-180°	3325.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3986	
5°	3829	350
15°	2524	678
25°	910	439
35°	89	113
45°	23	19
55°	22	19
65°	20	20
75°	17	18
85°	7	7
90°	0	1
95°	7	7
105°	17	18
115°	20	20
125°	22	19
135°	23	19
145°	89	113
155°	910	439
165°	2524	678
175°	3829	350
180°	3986	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3986.2
1°	3968.3
2°	3944.9
3°	3917.2
4°	3881.4
5°	3829.1
6°	3762.6
7°	3675.7
8°	3571.6
9°	3455.8
10°	3333.2
11°	3198.9
12°	3051.1
13°	2890.9
14°	2715.3
15°	2524.4
16°	2327.3
17°	2124.6
18°	1921.3
19°	1721.1
20°	1533.2
21°	1361.4
22°	1211.7
23°	1085.4
24°	986.2
25°	910.5
26°	850.7
27°	804.5
28°	765.7
29°	697.9
30°	596.3
32.5°	298.1
35°	88.7
37.5°	56.7
40°	37.6
42.5°	24.0
45°	23.4
47.5°	22.8
50°	22.2
52.5°	22.2
55°	21.6
57.5°	21.6
60°	20.9
62.5°	20.3
65°	19.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	19.1
70°	18.5
72.5°	17.9
75°	17.2
77.5°	15.4
80°	13.6
82.5°	10.5
85°	6.8
87.5°	3.1
90°	0.0
92.5°	3.1
95°	6.8
97.5°	10.5
100°	13.6
102.5°	15.4
105°	17.2
107.5°	17.9
110°	18.5
112.5°	19.1
115°	19.7
117.5°	20.3
120°	20.9
122.5°	21.6
125°	21.6
127.5°	22.2
130°	22.2
132.5°	22.8
135°	23.4
137.5°	24.0
140°	37.6
142.5°	56.7
145°	88.7
147.5°	298.1
150°	596.3
151°	697.9
152°	765.7
153°	804.5
154°	850.7
155°	910.5
156°	986.2
157°	1085.4
158°	1211.7
159°	1361.4
160°	1533.2
161°	1721.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	1921.3
163°	2124.6
164°	2327.3
165°	2524.4
166°	2715.3
167°	2890.9
168°	3051.1
169°	3198.9
170°	3333.2
171°	3455.8
172°	3571.6
173°	3675.7
174°	3762.6
175°	3829.1
176°	3881.4
177°	3917.2
178°	3944.9
179°	3968.3
180°	3986.2

(END OF REPORT)