

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: P221365

Luminaire Tested: **9002-W2-FL-LED5080-F-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29423)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED5080-F-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

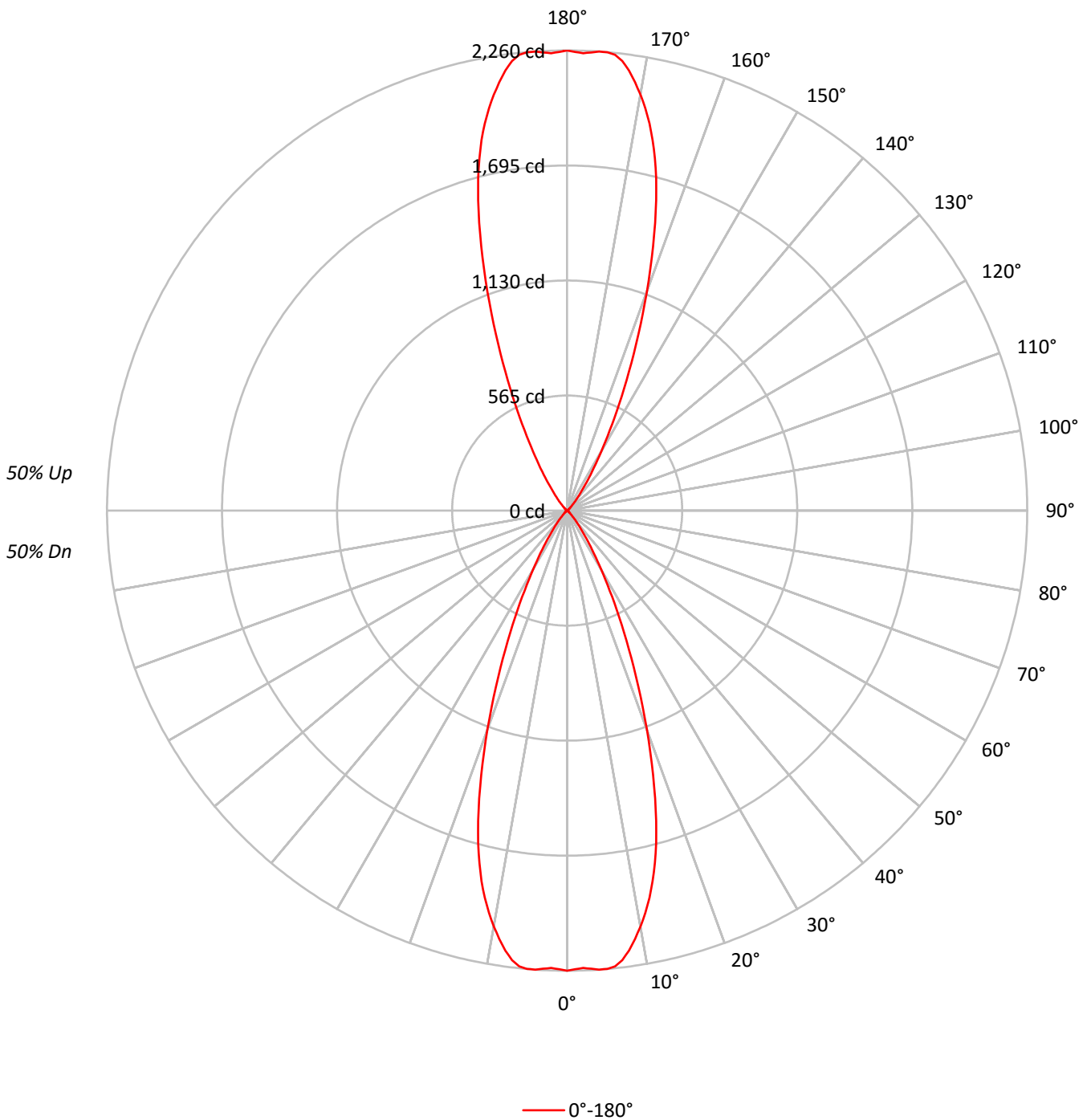
Lumens per Lamp: N/A
Luminaire Lumens: 2216.1 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.63
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 20
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	48
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	49	45
3	88	81	76	72	82	76	72	68	67	63	61		57	55	53		49	48	47	43
4	83	75	69	65	77	71	66	62	62	58	56		54	52	50		47	45	44	41
5	78	70	63	59	73	66	60	56	58	54	51		51	49	46		45	43	42	39
6	74	65	59	54	69	61	56	52	55	51	48		49	46	44		43	41	40	37
7	70	61	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	53	48	44	59	51	46	42	46	42	40		42	39	37		38	36	34	32
10	60	50	45	41	57	48	43	40	44	40	37		40	37	35		36	34	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1114988
5°	1119248
10°	1039205
15°	862663
20°	600702
25°	360165
30°	190339
35°	90767
40°	42186
45°	18281
50°	9211
55°	4731
60°	3256
65°	2568
70°	3174
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.0	9.5
10°-20°	455.8	20.6
20°-30°	307.0	13.9
30°-40°	103.1	4.7
40°-50°	23.3	1.0
50°-60°	5.8	0.3
60°-70°	2.6	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.9	0.0
110°-120°	2.6	0.1
120°-130°	5.8	0.3
130°-140°	23.3	1.0
140°-150°	103.1	4.7
150°-160°	307.0	13.9
160°-170°	455.8	20.6
170°-180°	210.0	9.5
0°-30°	972.7	43.9
0°-40°	1075.8	48.5
0°-60°	1104.9	49.9
0°-90°	1108.0	50.0
90°-120°	3.5	0.2
90°-150°	135.6	6.1
90°-180°	1108.0	50.0
0°-180°	2216.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2260	
5°	2260	210
15°	1689	456
25°	662	307
35°	151	103
45°	26	23
55°	6	6
65°	2	3
75°	0	1
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	2	3
125°	6	6
135°	26	23
145°	151	103
155°	662	307
165°	1689	456
175°	2260	210
180°	2260	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2259.9
1°	2252.3
2°	2247.9
3°	2253.4
4°	2259.9
5°	2259.9
6°	2251.2
7°	2225.0
8°	2182.4
9°	2130.0
10°	2074.3
11°	2012.1
12°	1944.4
13°	1868.0
14°	1782.8
15°	1688.9
16°	1585.2
17°	1478.2
18°	1365.8
19°	1254.4
20°	1144.1
21°	1037.2
22°	934.5
23°	837.4
24°	746.8
25°	661.6
26°	583.0
27°	512.0
28°	445.4
29°	386.5
30°	334.1
32.5°	226.0
35°	150.7
37.5°	100.4
40°	65.5
42.5°	40.4
45°	26.2
47.5°	17.5
50°	12.0
52.5°	8.7
55°	5.5
57.5°	4.4
60°	3.3
62.5°	3.3
65°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.2
70°	2.2
72.5°	1.1
75°	0.0
77.5°	0.0
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°	0.0
105°	0.0
107.5°	1.1
110°	2.2
112.5°	2.2
115°	2.2
117.5°	3.3
120°	3.3
122.5°	4.4
125°	5.5
127.5°	8.7
130°	12.0
132.5°	17.5
135°	26.2
137.5°	40.4
140°	65.5
142.5°	100.4
145°	150.7
147.5°	226.0
150°	334.1
151°	386.5
152°	445.4
153°	512.0
154°	583.0
155°	661.6
156°	746.8
157°	837.4
158°	934.5
159°	1037.2
160°	1144.1
161°	1254.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1365.8
163°	1478.2
164°	1585.2
165°	1688.9
166°	1782.8
167°	1868.0
168°	1944.4
169°	2012.1
170°	2074.3
171°	2130.0
172°	2182.4
173°	2225.0
174°	2251.2
175°	2259.9
176°	2259.9
177°	2253.4
178°	2247.9
179°	2252.3
180°	2259.9

(END OF REPORT)