

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: P221263

Luminaire Tested: **9002-W2-[RW, RI]-LED3597-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-[RW, RI]-LED3597-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1469.5 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

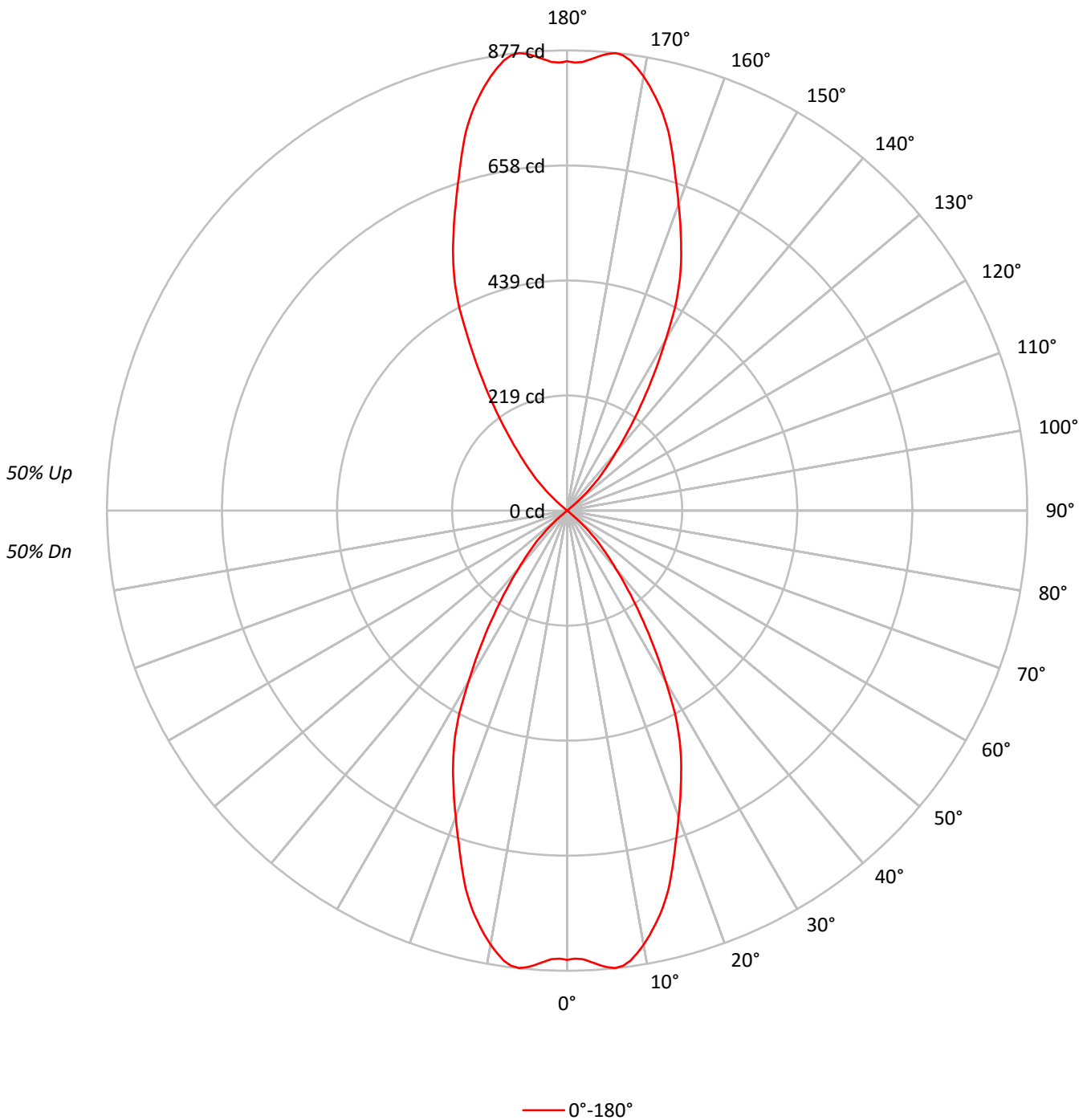
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	92	90	87	85	77	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	82	78	74	70	67	65		60	58	56		50	49	48	44
3	87	80	74	69	81	75	70	66	65	61	58		56	53	51		47	46	44	41
4	81	73	67	62	76	68	63	59	60	56	53		52	49	47		45	43	41	38
5	76	67	60	55	71	63	57	53	55	51	48		48	45	43		42	40	38	35
6	71	61	55	50	67	58	52	48	51	47	44		45	42	40		40	37	36	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	59	49	43	38	56	47	41	37	42	38	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	34	39	35	32		35	32	30		32	29	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422530
5°	432613
10°	420932
15°	381402
20°	325947
25°	279106
30°	213867
35°	146842
40°	92616
45°	53866
50°	11206
55°	688
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	5.6
10°-20°	206.1	14.0
20°-30°	231.5	15.8
30°-40°	154.0	10.5
40°-50°	58.3	4.0
50°-60°	2.3	0.2
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	2.3	0.2
130°-140°	58.3	4.0
140°-150°	154.0	10.5
150°-160°	231.5	15.8
160°-170°	206.1	14.0
170°-180°	82.5	5.6
0°-30°	520.1	35.4
0°-40°	674.1	45.9
0°-60°	734.7	50.0
0°-90°	734.7	50.0
90°-120°	0.0	0.0
90°-150°	214.7	14.6
90°-180°	735.0	50.0
0°-180°	1469.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	856	
5°	874	82
15°	747	206
25°	513	232
35°	244	154
45°	77	58
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	2
135°	77	58
145°	244	154
155°	513	232
165°	747	206
175°	874	82
180°	856	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	856.4
1°	854.0
2°	855.6
3°	861.3
4°	867.8
5°	873.5
6°	876.7
7°	874.3
8°	866.2
9°	854.0
10°	840.2
11°	823.9
12°	806.8
13°	789.0
14°	768.7
15°	746.7
16°	720.7
17°	693.9
18°	667.9
19°	644.3
20°	620.8
21°	599.7
22°	577.7
23°	555.8
24°	534.6
25°	512.7
26°	490.0
27°	464.8
28°	437.1
29°	405.5
30°	375.4
32.5°	306.3
35°	243.8
37.5°	189.3
40°	143.8
42.5°	108.1
45°	77.2
47.5°	43.9
50°	14.6
52.5°	1.6
55°	0.8
57.5°	0.8
60°	0.0
62.5°	0.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.8
125°	0.8
127.5°	1.6
130°	14.6
132.5°	43.9
135°	77.2
137.5°	108.1
140°	143.8
142.5°	189.3
145°	243.8
147.5°	306.3
150°	375.4
151°	405.5
152°	437.1
153°	464.8
154°	490.0
155°	512.7
156°	534.6
157°	555.8
158°	577.7
159°	599.7
160°	620.8
161°	644.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	667.9
163°	693.9
164°	720.7
165°	746.7
166°	768.7
167°	789.0
168°	806.8
169°	823.9
170°	840.2
171°	854.0
172°	866.2
173°	874.3
174°	876.7
175°	873.5
176°	867.8
177°	861.3
178°	855.6
179°	854.0
180°	856.4

(END OF REPORT)