

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: P221255

Luminaire Tested: **9002-W2-[RW, RI]-LED3590-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221255
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]-LED3590-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1571.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

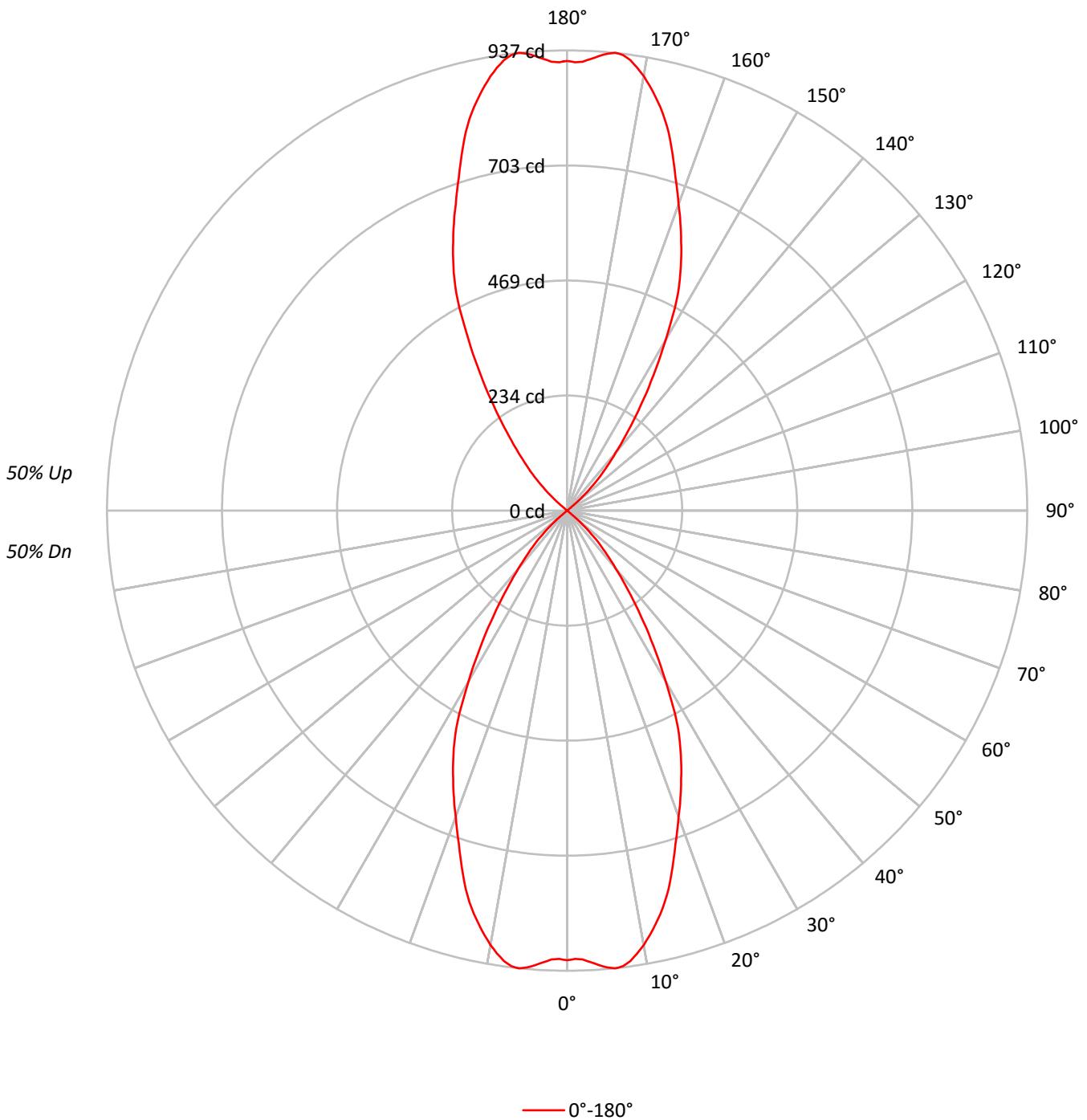
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	451738
5°	462478
10°	449990
15°	407759
20°	348471
25°	298377
30°	228623
35°	156961
40°	99057
45°	57564
50°	11974
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	5.6
10°-20°	220.3	14.0
20°-30°	247.5	15.8
30°-40°	164.7	10.5
40°-50°	62.4	4.0
50°-60°	2.4	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°	2.4	0.2
130°-140°	62.4	4.0
140°-150°	164.7	10.5
150°-160°	247.5	15.8
160°-170°	220.3	14.0
170°-180°	88.1	5.6
0°-30°	556.0	35.4
0°-40°	720.7	45.9
0°-60°	785.5	50.0
0°-90°	785.5	50.0
90°-120°	0.0	0.0
90°-150°	229.5	14.6
90°-180°	786.0	50.0
0°-180°	1571.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	916	
5°	934	88
15°	798	220
25°	548	248
35°	261	165
45°	82	62
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°	82	62
145°	261	165
155°	548	248
165°	798	220
175°	934	88
180°	916	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	915.6
1°	913.0
2°	914.7
3°	920.8
4°	927.7
5°	933.8
6°	937.3
7°	934.7
8°	926.0
9°	913.0
10°	898.2
11°	880.8
12°	862.6
13°	843.5
14°	821.8
15°	798.3
16°	770.5
17°	741.8
18°	714.0
19°	688.8
20°	663.7
21°	641.1
22°	617.6
23°	594.2
24°	571.6
25°	548.1
26°	523.8
27°	496.9
28°	467.3
29°	433.5
30°	401.3
32.5°	327.5
35°	260.6
37.5°	202.4
40°	153.8
42.5°	115.5
45°	82.5
47.5°	46.9
50°	15.6
52.5°	1.7
55°	0.9
57.5°	0.9
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°	0.9
125°	0.9
127.5°	1.7
130°	15.6
132.5°	46.9
135°	82.5
137.5°	115.5
140°	153.8
142.5°	202.4
145°	260.6
147.5°	327.5
150°	401.3
151°	433.5
152°	467.3
153°	496.9
154°	523.8
155°	548.1
156°	571.6
157°	594.2
158°	617.6
159°	641.1
160°	663.7
161°	688.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	714.0
163°	741.8
164°	770.5
165°	798.3
166°	821.8
167°	843.5
168°	862.6
169°	880.8
170°	898.2
171°	913.0
172°	926.0
173°	934.7
174°	937.3
175°	933.8
176°	927.7
177°	920.8
178°	914.7
179°	913.0
180°	915.6

(END OF REPORT)