

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: P221316

Luminaire Tested: **9002-W2-FL-LED2797-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-FL-LED2797-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1393.6 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

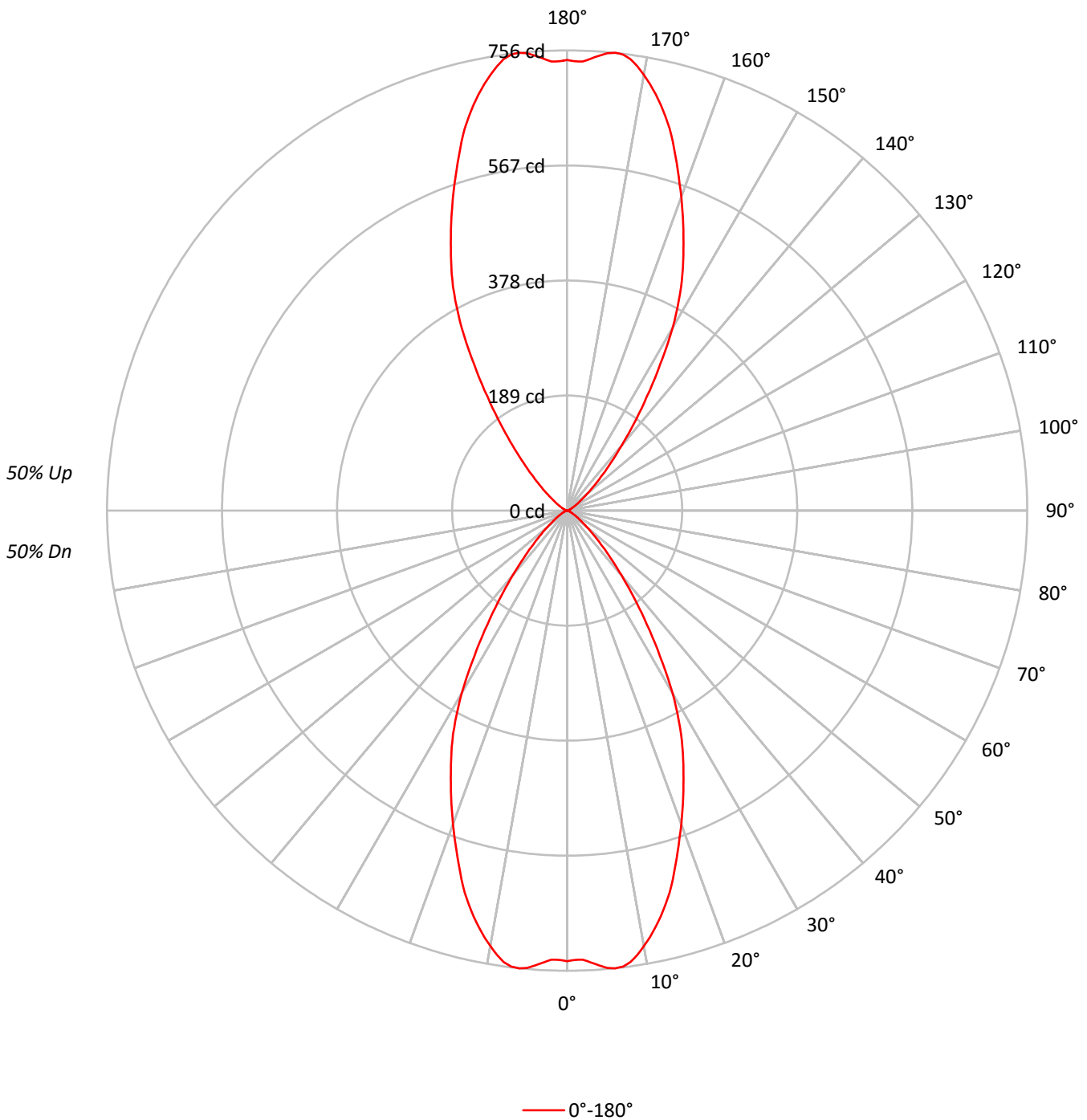
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	93	91	92	89	87	84	76	74	73		64	63	62		53	52	52	46
2	93	87	82	78	86	81	77	73	70	67	64		59	57	55		50	48	47	43
3	87	79	73	68	80	74	69	64	64	60	57		55	52	50		46	45	43	39
4	81	72	65	60	75	67	62	57	59	55	51		51	48	45		43	41	40	36
5	75	66	59	54	70	62	56	51	54	50	46		47	44	41		41	38	37	34
6	70	60	53	48	65	57	51	46	50	46	42		44	41	38		38	36	34	31
7	66	55	49	44	61	52	46	42	47	42	39		41	38	35		36	33	32	29
8	62	51	45	40	58	49	43	39	43	39	35		38	35	32		34	31	29	27
9	58	48	41	37	55	45	39	35	41	36	33		36	33	30		32	29	28	26
10	55	44	38	34	52	42	37	33	38	34	30		34	31	28		30	28	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365298
5°	373479
10°	364070
15°	332112
20°	287934
25°	245517
30°	197346
35°	137326
40°	89267
45°	54912
50°	33235
55°	19870
60°	12137
65°	8406
70°	5193
75°	4194
80°	3978
85°	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	5.1
10°-20°	180.0	12.9
20°-30°	205.4	14.7
30°-40°	144.1	10.3
40°-50°	63.6	4.6
50°-60°	22.0	1.6
60°-70°	7.3	0.5
70°-80°	2.6	0.2
80°-90°	0.6	0.0
90°-100°	0.6	0.0
100°-110°	2.6	0.2
110°-120°	7.3	0.5
120°-130°	22.0	1.6
130°-140°	63.6	4.6
140°-150°	144.1	10.3
150°-160°	205.4	14.7
160°-170°	180.0	12.9
170°-180°	71.2	5.1
0°-30°	456.7	32.8
0°-40°	600.7	43.1
0°-60°	686.3	49.2
0°-90°	696.8	50.0
90°-120°	10.5	0.8
90°-150°	240.1	17.2
90°-180°	697.0	50.0
0°-180°	1393.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	740	
5°	754	71
15°	650	180
25°	451	205
35°	228	144
45°	79	64
55°	23	22
65°	7	7
75°	2	3
85°	1	1
90°	0	0
95°	1	1
105°	2	3
115°	7	7
125°	23	22
135°	79	64
145°	228	144
155°	451	205
165°	650	180
175°	754	71
180°	740	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	740.4
1°	738.2
2°	738.2
3°	743.3
4°	749.1
5°	754.1
6°	756.3
7°	754.8
8°	749.1
9°	739.0
10°	726.7
11°	713.7
12°	699.3
13°	684.1
14°	667.5
15°	650.2
16°	630.0
17°	609.1
18°	588.1
19°	567.9
20°	548.4
21°	528.2
22°	508.8
23°	489.3
24°	469.8
25°	451.0
26°	432.3
27°	412.8
28°	391.1
29°	368.8
30°	346.4
32.5°	284.3
35°	228.0
37.5°	179.0
40°	138.6
42.5°	105.4
45°	78.7
47.5°	58.5
50°	43.3
52.5°	31.8
55°	23.1
57.5°	16.6
60°	12.3
62.5°	9.4
65°	7.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.1
70°	3.6
72.5°	2.9
75°	2.2
77.5°	2.2
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.7
97.5°	0.7
100°	1.4
102.5°	2.2
105°	2.2
107.5°	2.9
110°	3.6
112.5°	5.1
115°	7.2
117.5°	9.4
120°	12.3
122.5°	16.6
125°	23.1
127.5°	31.8
130°	43.3
132.5°	58.5
135°	78.7
137.5°	105.4
140°	138.6
142.5°	179.0
145°	228.0
147.5°	284.3
150°	346.4
151°	368.8
152°	391.1
153°	412.8
154°	432.3
155°	451.0
156°	469.8
157°	489.3
158°	508.8
159°	528.2
160°	548.4
161°	567.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	588.1
163°	609.1
164°	630.0
165°	650.2
166°	667.5
167°	684.1
168°	699.3
169°	713.7
170°	726.7
171°	739.0
172°	749.1
173°	754.8
174°	756.3
175°	754.1
176°	749.1
177°	743.3
178°	738.2
179°	738.2
180°	740.4

(END OF REPORT)