

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: P221231

Luminaire Tested: **9002-W2-[RW, RI]-LED2797-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221231
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]-LED2797-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1305.1 lumens
Efficiency: N/A
Efficacy: 65.3 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

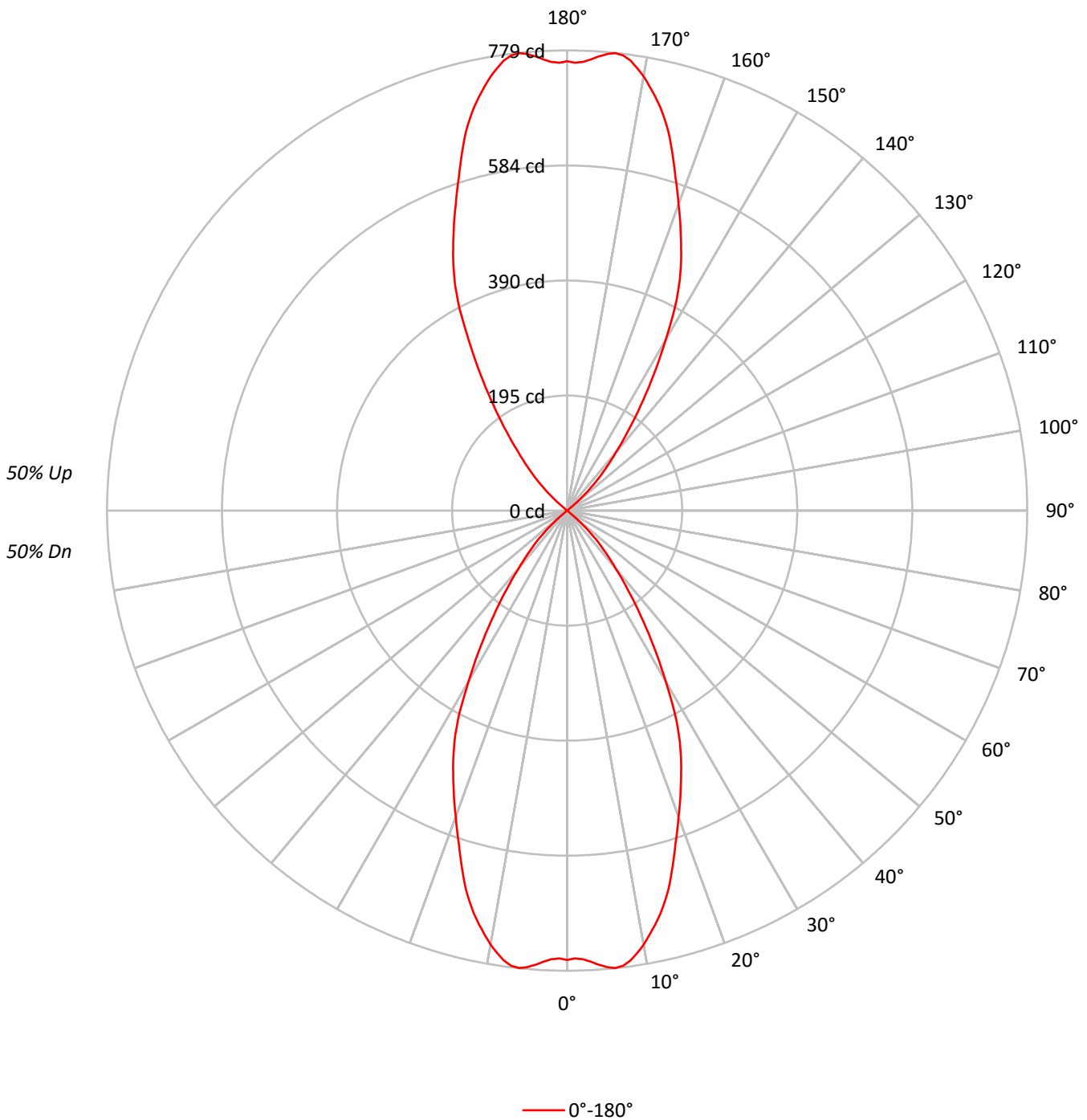
Input Watts (W): 20
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	375264
5°	384226
10°	373839
15°	338752
20°	289457
25°	247913
30°	189940
35°	130399
40°	82247
45°	47865
50°	9978
55°	602
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	5.6
10°-20°	183.1	14.0
20°-30°	205.6	15.8
30°-40°	136.8	10.5
40°-50°	51.8	4.0
50°-60°	2.0	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°	2.0	0.2
130°-140°	51.8	4.0
140°-150°	136.8	10.5
150°-160°	205.6	15.8
160°-170°	183.1	14.0
170°-180°	73.2	5.6
0°-30°	461.9	35.4
0°-40°	598.7	45.9
0°-60°	652.6	50.0
0°-90°	652.6	50.0
90°-120°	0.0	0.0
90°-150°	190.7	14.6
90°-180°	653.0	50.0
0°-180°	1305.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	761	
5°	776	73
15°	663	183
25°	455	206
35°	216	137
45°	69	52
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°	69	52
145°	216	137
155°	455	206
165°	663	183
175°	776	73
180°	761	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	760.6
1°	758.4
2°	759.9
3°	764.9
4°	770.7
5°	775.8
6°	778.7
7°	776.5
8°	769.3
9°	758.4
10°	746.2
11°	731.7
12°	716.6
13°	700.7
14°	682.7
15°	663.2
16°	640.1
17°	616.3
18°	593.2
19°	572.3
20°	551.3
21°	532.6
22°	513.1
23°	493.6
24°	474.8
25°	455.4
26°	435.2
27°	412.8
28°	388.2
29°	360.1
30°	333.4
32.5°	272.1
35°	216.5
37.5°	168.1
40°	127.7
42.5°	96.0
45°	68.6
47.5°	39.0
50°	13.0
52.5°	1.4
55°	0.7
57.5°	0.7
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°	0.7
125°	0.7
127.5°	1.4
130°	13.0
132.5°	39.0
135°	68.6
137.5°	96.0
140°	127.7
142.5°	168.1
145°	216.5
147.5°	272.1
150°	333.4
151°	360.1
152°	388.2
153°	412.8
154°	435.2
155°	455.4
156°	474.8
157°	493.6
158°	513.1
159°	532.6
160°	551.3
161°	572.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	593.2
163°	616.3
164°	640.1
165°	663.2
166°	682.7
167°	700.7
168°	716.6
169°	731.7
170°	746.2
171°	758.4
172°	769.3
173°	776.5
174°	778.7
175°	775.8
176°	770.7
177°	764.9
178°	759.9
179°	758.4
180°	760.6

(END OF REPORT)