

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: P221408

Luminaire Tested: **9003-W2-[RW, RI]-LED2797-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED2797-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2418.6 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

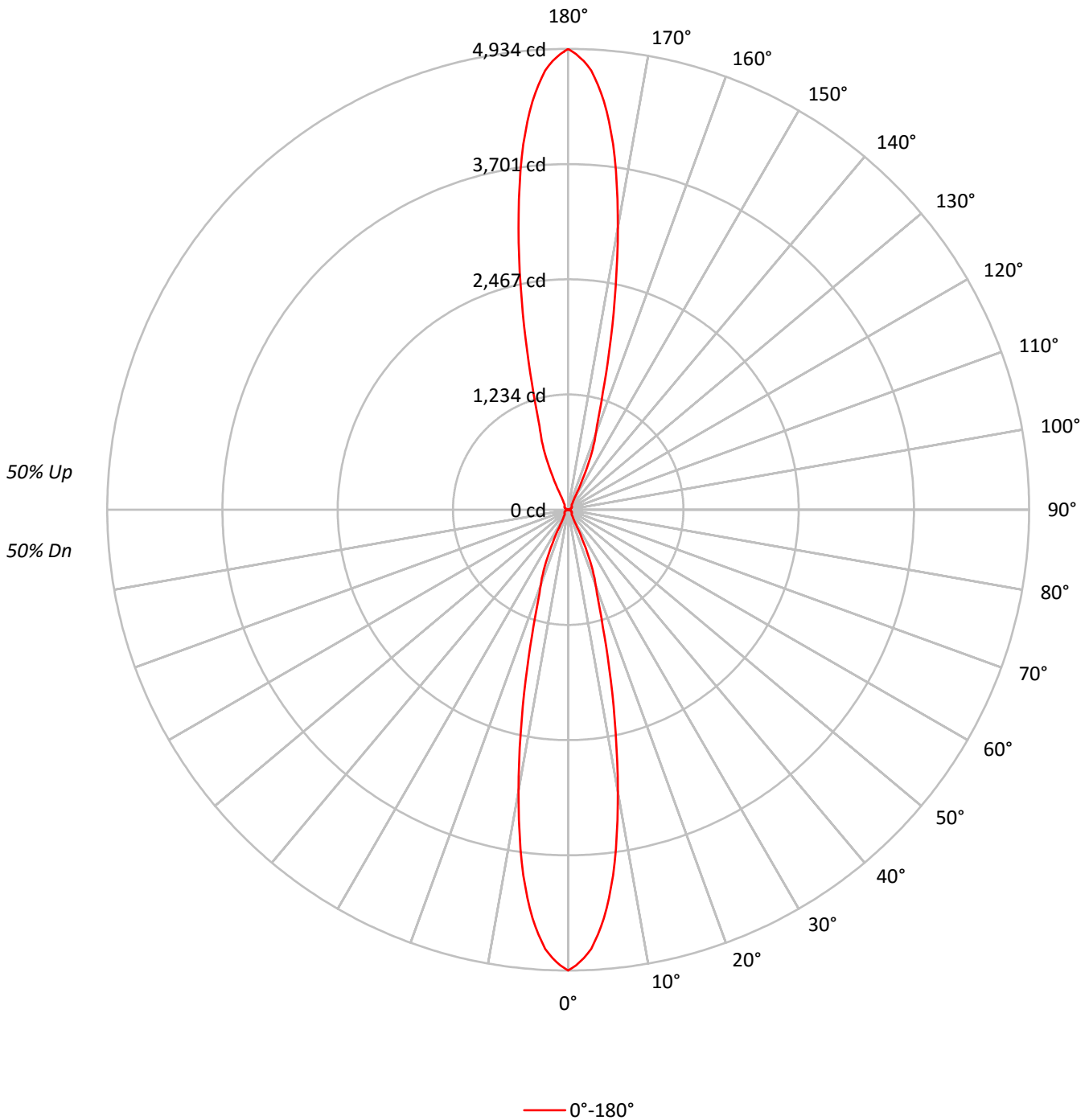
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	90	87	85	77	75	73	65	63	62	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	44
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55	54	51	49	47	45	44	40
5	78	69	63	59	73	66	60	56	58	54	51	51	48	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	55	51	66	58	53	49	52	48	45	47	44	42	42	40	38	36
8	67	58	52	47	63	55	50	46	50	46	43	45	42	40	40	38	37	35
9	64	55	49	45	60	52	47	43	47	44	41	43	40	38	39	37	35	34
10	61	52	46	42	58	50	45	41	45	42	39	42	39	37	38	36	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1081909
5°	966605
10°	681484
15°	370331
20°	200381
25°	95594
30°	27625
35°	17962
40°	16402
45°	16901
50°	17876
55°	18962
60°	18727
65°	17797
70°	14810
75°	13047
80°	15027
85°	14089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.0	15.5
10°-20°	460.4	19.0
20°-30°	184.2	7.6
30°-40°	46.1	1.9
40°-50°	42.4	1.8
50°-60°	43.7	1.8
60°-70°	33.2	1.4
70°-80°	17.2	0.7
80°-90°	6.2	0.3
90°-100°	6.2	0.3
100°-110°	17.2	0.7
110°-120°	33.2	1.4
120°-130°	43.7	1.8
130°-140°	42.4	1.8
140°-150°	46.1	1.9
150°-160°	184.2	7.6
160°-170°	460.4	19.0
170°-180°	376.0	15.5
0°-30°	1020.6	42.2
0°-40°	1066.7	44.1
0°-60°	1152.7	47.7
0°-90°	1209.3	50.0
90°-120°	56.6	2.3
90°-150°	188.7	7.8
90°-180°	1209.0	50.0
0°-180°	2418.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4934	
5°	4391	376
15°	1631	460
25°	395	184
35°	67	46
45°	54	42
55°	50	44
65°	34	33
75°	15	17
85°	6	6
90°	0	1
95°	6	6
105°	15	17
115°	34	33
125°	50	44
135°	54	42
145°	67	46
155°	395	184
165°	1631	460
175°	4391	376
180°	4934	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4933.9
1°	4879.4
2°	4805.9
3°	4710.1
4°	4560.5
5°	4391.3
6°	4179.4
7°	3944.5
8°	3667.6
9°	3365.5
10°	3060.6
11°	2750.1
12°	2444.6
13°	2159.3
14°	1883.8
15°	1631.3
16°	1402.7
17°	1216.7
18°	1065.0
19°	946.8
20°	858.7
21°	784.6
22°	699.9
23°	602.8
24°	497.9
25°	395.1
26°	295.8
27°	211.2
28°	148.9
29°	120.3
30°	109.1
32.5°	87.4
35°	67.1
37.5°	60.1
40°	57.3
42.5°	55.9
45°	54.5
47.5°	53.8
50°	52.4
52.5°	51.7
55°	49.6
57.5°	46.2
60°	42.7
62.5°	39.2
65°	34.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	28.0
70°	23.1
72.5°	18.2
75°	15.4
77.5°	14.0
80°	11.9
82.5°	8.4
85°	5.6
87.5°	2.8
90°	0.0
92.5°	2.8
95°	5.6
97.5°	8.4
100°	11.9
102.5°	14.0
105°	15.4
107.5°	18.2
110°	23.1
112.5°	28.0
115°	34.3
117.5°	39.2
120°	42.7
122.5°	46.2
125°	49.6
127.5°	51.7
130°	52.4
132.5°	53.8
135°	54.5
137.5°	55.9
140°	57.3
142.5°	60.1
145°	67.1
147.5°	87.4
150°	109.1
151°	120.3
152°	148.9
153°	211.2
154°	295.8
155°	395.1
156°	497.9
157°	602.8
158°	699.9
159°	784.6
160°	858.7
161°	946.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	1065.0
163°	1216.7
164°	1402.7
165°	1631.3
166°	1883.8
167°	2159.3
168°	2444.6
169°	2750.1
170°	3060.6
171°	3365.5
172°	3667.6
173°	3944.5
174°	4179.4
175°	4391.3
176°	4560.5
177°	4710.1
178°	4805.9
179°	4879.4
180°	4933.9

(END OF REPORT)