

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: P221496

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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]-LED4080-W-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3403.4 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

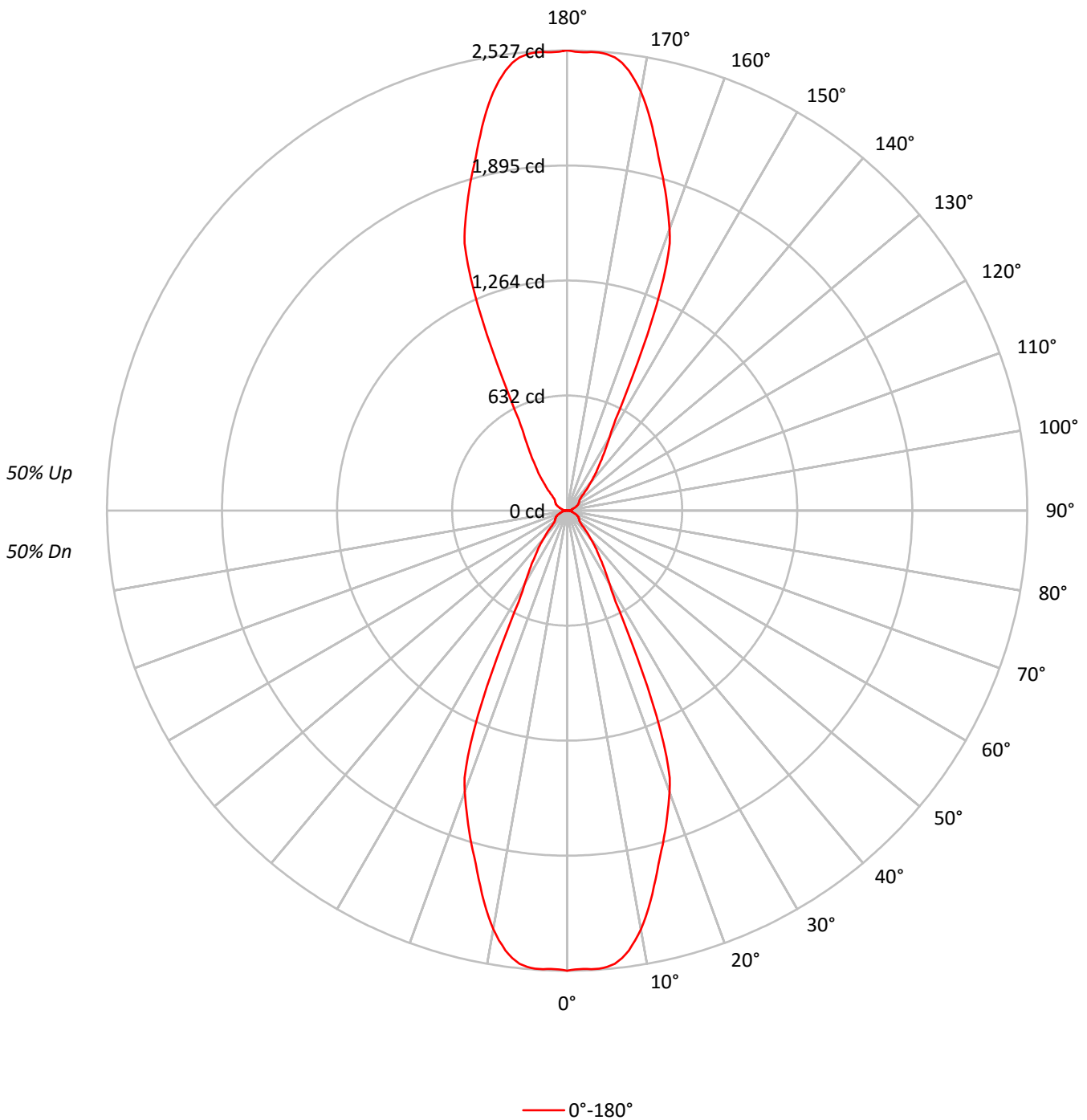
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	93	90	92	89	86	84	76	74	72		64	63	61		53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64		59	57	55		49	48	47	42
3	86	79	73	68	80	73	68	64	64	60	57		55	52	50		46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51		51	48	46		43	42	40	37
5	76	66	59	54	70	62	56	52	55	50	47		48	44	42		41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43		45	41	39		39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40		42	39	36		37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32		36	32	30		32	29	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	554122
5°	553818
10°	519696
15°	446995
20°	383867
25°	236385
30°	117993
35°	82717
40°	57536
45°	36903
50°	30020
55°	30584
60°	31138
65°	30094
70°	26928
75°	25417
80°	27781
85°	27676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	6.9
10°-20°	551.0	16.2
20°-30°	447.2	13.1
30°-40°	197.8	5.8
40°-50°	99.1	2.9
50°-60°	71.3	2.1
60°-70°	56.5	1.7
70°-80°	32.2	0.9
80°-90°	12.0	0.4
90°-100°	12.0	0.4
100°-110°	32.2	0.9
110°-120°	56.5	1.7
120°-130°	71.3	2.1
130°-140°	99.1	2.9
140°-150°	197.8	5.8
150°-160°	447.2	13.1
160°-170°	551.0	16.2
170°-180°	234.6	6.9
0°-30°	1232.9	36.2
0°-40°	1430.6	42.0
0°-60°	1601.0	47.0
0°-90°	1701.7	50.0
90°-120°	100.7	3.0
90°-150°	468.9	13.8
90°-180°	1702.0	50.0
0°-180°	3403.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2527	
5°	2516	235
15°	1969	551
25°	977	447
35°	309	198
45°	119	99
55°	80	71
65°	58	57
75°	30	32
85°	11	11
90°	0	1
95°	11	11
105°	30	32
115°	58	57
125°	80	71
135°	119	99
145°	309	198
155°	977	447
165°	1969	551
175°	2516	235
180°	2527	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2527
1°	2520
2°	2518
3°	2522
4°	2522
5°	2516
6°	2503
7°	2477
8°	2439
9°	2390
10°	2334
11°	2269
12°	2197
13°	2119
14°	2042
15°	1969
16°	1906
17°	1840
18°	1774
19°	1708
20°	1645
21°	1572
22°	1457
23°	1309
24°	1147
25°	977
26°	817
27°	675
28°	567
29°	505
30°	466
32.5°	382
35°	309
37.5°	255
40°	201
42.5°	159
45°	119
47.5°	96
50°	88
52.5°	84
55°	80
57.5°	75
60°	71
62.5°	65
65°	58



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	49
70°	42
72.5°	34
75°	30
77.5°	26
80°	22
82.5°	17
85°	11
87.5°	5
90°	0
92.5°	5
95°	11
97.5°	17
100°	22
102.5°	26
105°	30
107.5°	34
110°	42
112.5°	49
115°	58
117.5°	65
120°	71
122.5°	75
125°	80
127.5°	84
130°	88
132.5°	96
135°	119
137.5°	159
140°	201
142.5°	255
145°	309
147.5°	382
150°	466
151°	505
152°	567
153°	675
154°	817
155°	977
156°	1147
157°	1309
158°	1457
159°	1572
160°	1645
161°	1708



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CANDELA DISTRIBUTION (continued):

	0°
162°	1774
163°	1840
164°	1906
165°	1969
166°	2042
167°	2119
168°	2197
169°	2269
170°	2334
171°	2390
172°	2439
173°	2477
174°	2503
175°	2516
176°	2522
177°	2522
178°	2518
179°	2520
180°	2527

(END OF REPORT)