

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: P221488

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221488
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]-LED4080-M-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3458.8 lumens
Efficiency: N/A
Efficacy: 86.0 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

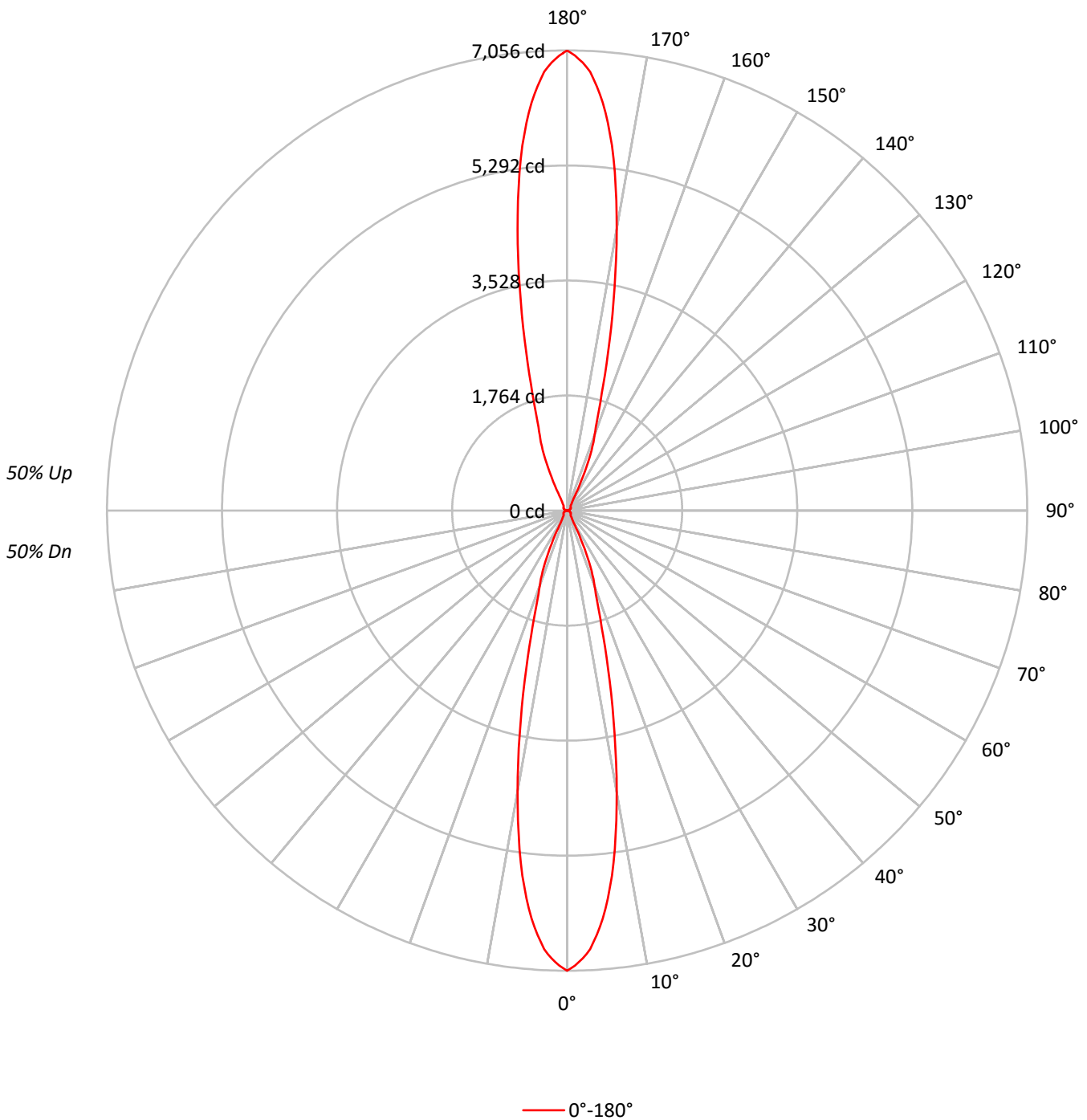
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1547244
5°	1382343
10°	974598
15°	529628
20°	286558
25°	136701
30°	39500
35°	25698
40°	23473
45°	24189
50°	25586
55°	27144
60°	26752
65°	25424
70°	21157
75°	18639
80°	21467
85°	20128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.7	15.5
10°-20°	658.4	19.0
20°-30°	263.4	7.6
30°-40°	66.0	1.9
40°-50°	60.6	1.8
50°-60°	62.5	1.8
60°-70°	47.5	1.4
70°-80°	24.5	0.7
80°-90°	8.8	0.3
90°-100°	8.8	0.3
100°-110°	24.5	0.7
110°-120°	47.5	1.4
120°-130°	62.5	1.8
130°-140°	60.6	1.8
140°-150°	66.0	1.9
150°-160°	263.4	7.6
160°-170°	658.4	19.0
170°-180°	537.7	15.5
0°-30°	1459.5	42.2
0°-40°	1525.5	44.1
0°-60°	1648.5	47.7
0°-90°	1729.4	50.0
90°-120°	80.8	2.3
90°-150°	269.9	7.8
90°-180°	1729.0	50.0
0°-180°	3458.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7056	
5°	6280	538
15°	2333	658
25°	565	263
35°	96	66
45°	78	61
55°	71	62
65°	49	47
75°	22	25
85°	8	8
90°	0	1
95°	8	8
105°	22	25
115°	49	47
125°	71	62
135°	78	61
145°	96	66
155°	565	263
165°	2333	658
175°	6280	538
180°	7056	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7056
1°	6978
2°	6873
3°	6736
4°	6522
5°	6280
6°	5977
7°	5641
8°	5245
9°	4813
10°	4377
11°	3933
12°	3496
13°	3088
14°	2694
15°	2333
16°	2006
17°	1740
18°	1523
19°	1354
20°	1228
21°	1122
22°	1001
23°	862
24°	712
25°	565
26°	423
27°	302
28°	213
29°	172
30°	156
32.5°	125
35°	96
37.5°	86
40°	82
42.5°	80
45°	78
47.5°	77
50°	75
52.5°	74
55°	71
57.5°	66
60°	61
62.5°	56
65°	49



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	40
70°	33
72.5°	26
75°	22
77.5°	20
80°	17
82.5°	12
85°	8
87.5°	4
90°	0
92.5°	4
95°	8
97.5°	12
100°	17
102.5°	20
105°	22
107.5°	26
110°	33
112.5°	40
115°	49
117.5°	56
120°	61
122.5°	66
125°	71
127.5°	74
130°	75
132.5°	77
135°	78
137.5°	80
140°	82
142.5°	86
145°	96
147.5°	125
150°	156
151°	172
152°	213
153°	302
154°	423
155°	565
156°	712
157°	862
158°	1001
159°	1122
160°	1228
161°	1354



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CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1523
163°	1740
164°	2006
165°	2333
166°	2694
167°	3088
168°	3496
169°	3933
170°	4377
171°	4813
172°	5245
173°	5641
174°	5977
175°	6280
176°	6522
177°	6736
178°	6873
179°	6978
180°	7056

(END OF REPORT)