

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: P221486

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29473)
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-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2884.9 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.4
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

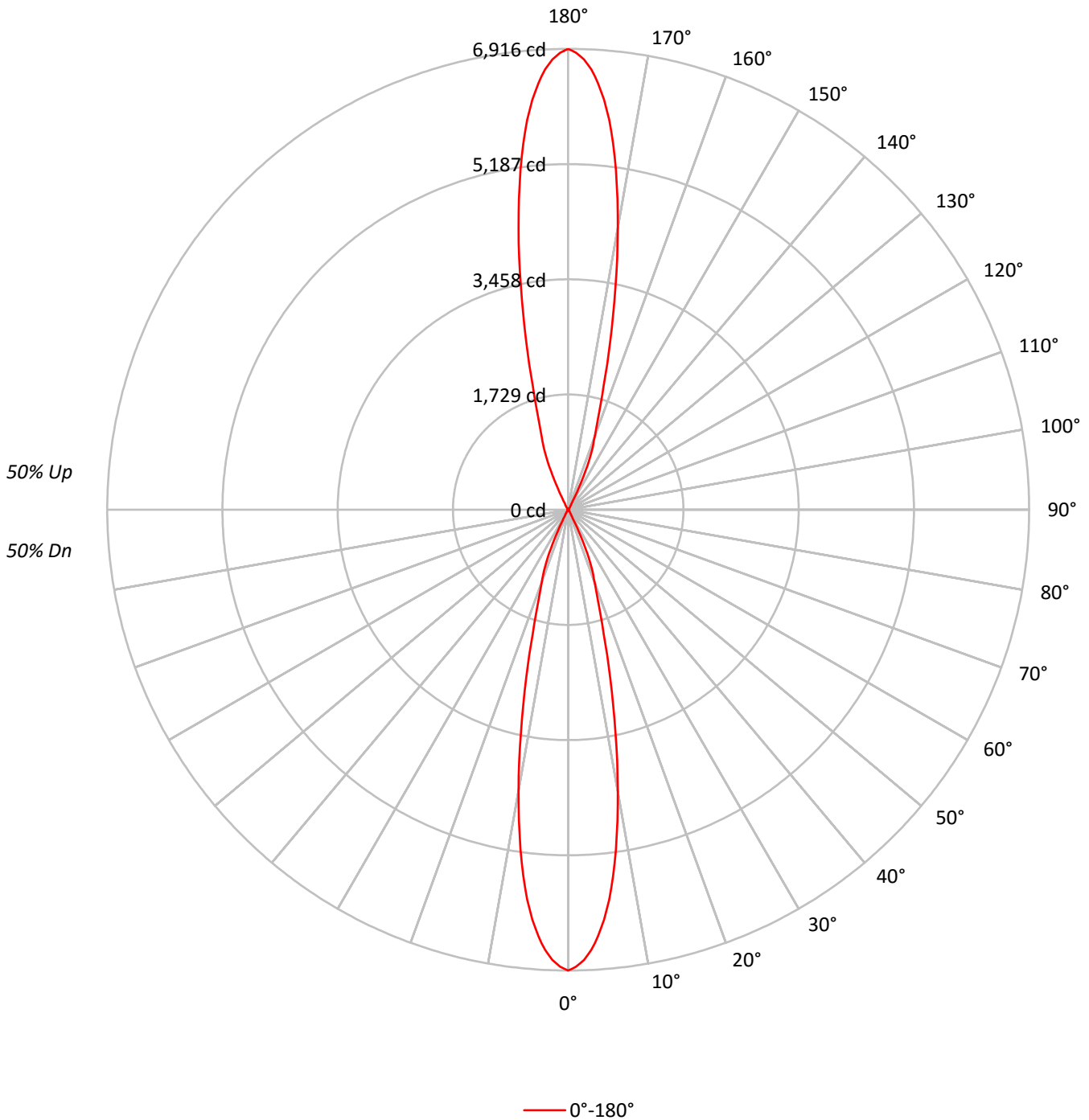
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	86	78	76	75	66	65	64	54	54	53	48
2	95	90	86	82	88	84	80	77	73	70	68	62	61	59	53	52	51	47
3	90	83	78	74	84	78	74	70	68	65	63	59	57	56	51	50	49	45
4	85	78	72	68	79	73	68	65	65	61	59	57	55	53	49	48	47	44
5	81	73	67	63	76	69	64	60	61	58	55	54	52	50	48	47	45	43
6	77	68	62	58	72	65	60	56	58	55	52	52	50	48	47	45	44	41
7	73	65	59	55	69	61	57	53	56	52	49	50	48	46	45	44	42	40
8	70	61	56	52	66	59	54	50	53	50	47	49	46	44	44	42	41	39
9	67	58	53	49	63	56	51	48	51	48	45	47	44	42	43	41	40	38
10	64	56	50	47	61	53	49	46	49	46	43	45	43	41	42	40	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1516545
5°	1359010
10°	954781
15°	512375
20°	269523
25°	120491
30°	23295
35°	8566
40°	4866
45°	4031
50°	3411
55°	2676
60°	2193
65°	1557
70°	641
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.2	18.3
10°-20°	636.6	22.1
20°-30°	232.3	8.1
30°-40°	25.7	0.9
40°-50°	10.1	0.3
50°-60°	6.4	0.2
60°-70°	3.0	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	3.0	0.1
120°-130°	6.4	0.2
130°-140°	10.1	0.3
140°-150°	25.7	0.9
150°-160°	232.3	8.1
160°-170°	636.6	22.1
170°-180°	528.2	18.3
0°-30°	1397.0	48.4
0°-40°	1422.7	49.3
0°-60°	1439.1	49.9
0°-90°	1442.5	50.0
90°-120°	3.6	0.1
90°-150°	45.7	1.6
90°-180°	1443.0	50.0
0°-180°	2884.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6916	
5°	6174	528
15°	2257	637
25°	498	232
35°	32	26
45°	13	10
55°	7	6
65°	3	3
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	3	3
125°	7	6
135°	13	10
145°	32	26
155°	498	232
165°	2257	637
175°	6174	528
180°	6916	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6916
1°	6860
2°	6762
3°	6618
4°	6419
5°	6174
6°	5881
7°	5537
8°	5147
9°	4724
10°	4288
11°	3849
12°	3414
13°	3003
14°	2611
15°	2257
16°	1932
17°	1667
18°	1452
19°	1282
20°	1155
21°	1051
22°	932
23°	791
24°	644
25°	498
26°	359
27°	235
28°	148
29°	108
30°	92
32.5°	62
35°	32
37.5°	21
40°	17
42.5°	15
45°	13
47.5°	11
50°	10
52.5°	8
55°	7
57.5°	6
60°	5
62.5°	4
65°	3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	1
110°	1
112.5°	2
115°	3
117.5°	4
120°	5
122.5°	6
125°	7
127.5°	8
130°	10
132.5°	11
135°	13
137.5°	15
140°	17
142.5°	21
145°	32
147.5°	62
150°	92
151°	108
152°	148
153°	235
154°	359
155°	498
156°	644
157°	791
158°	932
159°	1051
160°	1155
161°	1282



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CANDELA DISTRIBUTION (continued):

	0°
162°	1452
163°	1667
164°	1932
165°	2257
166°	2611
167°	3003
168°	3414
169°	3849
170°	4288
171°	4724
172°	5147
173°	5537
174°	5881
175°	6174
176°	6419
177°	6618
178°	6762
179°	6860
180°	6916

(END OF REPORT)