

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: P221492

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
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-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3596.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

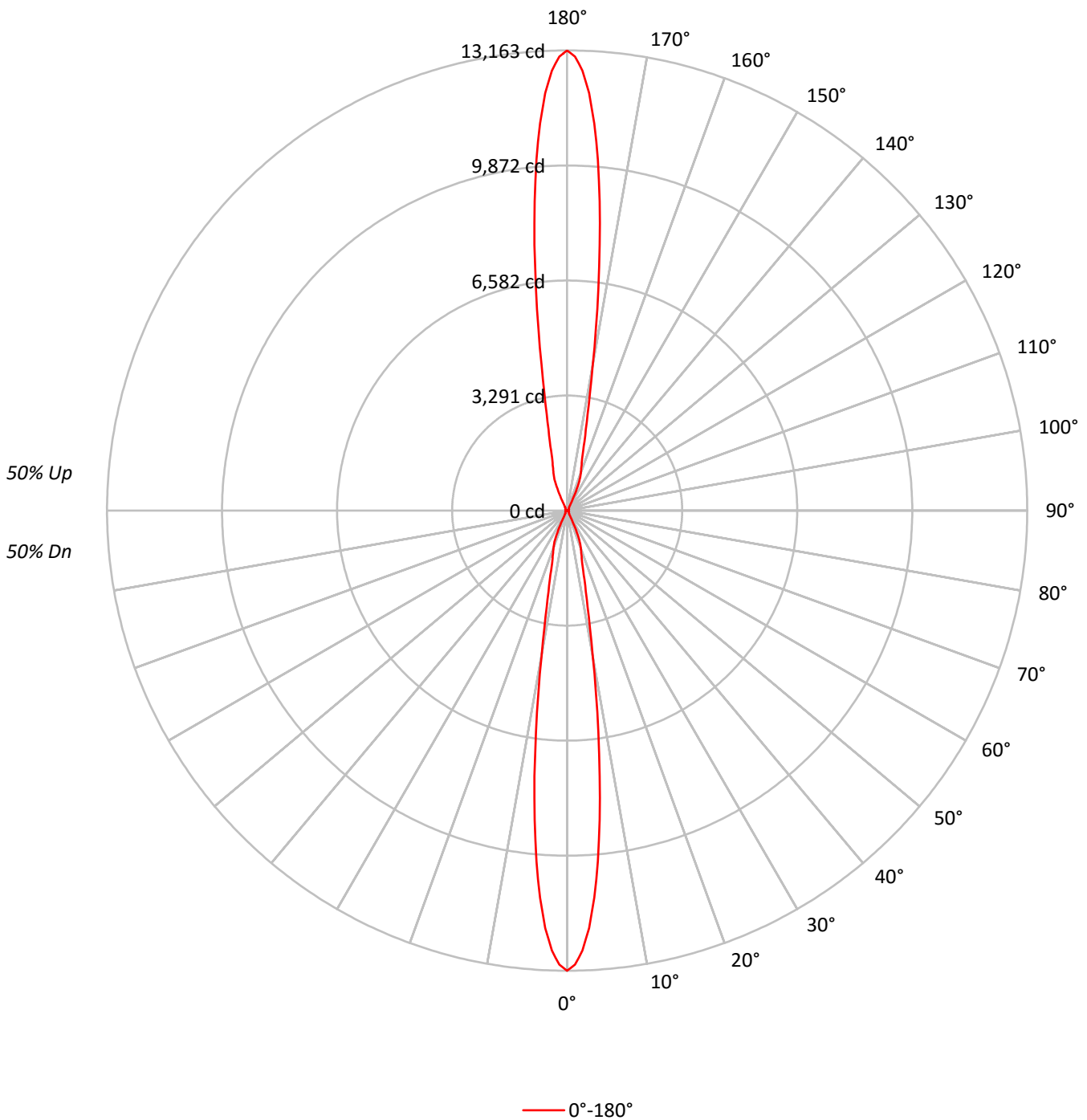
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	93	90	88	86	77	75	74		65	64	63		54	53	53	47
2	94	89	84	80	87	83	79	76	71	69	67		61	59	58		51	50	50	45
3	89	82	76	72	82	77	72	68	67	64	61		58	56	54		49	48	47	43
4	84	76	70	65	78	71	66	62	63	59	56		55	53	51		48	46	45	42
5	79	71	65	60	74	67	62	58	59	56	53		52	50	48		46	44	43	40
6	75	66	60	56	71	63	58	54	56	53	50		50	48	46		45	43	41	39
7	72	63	57	53	67	60	54	51	54	50	47		48	46	44		43	41	40	38
8	68	59	54	50	65	57	52	48	51	48	45		47	44	42		42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43		45	42	40		41	39	38	36
10	63	54	49	45	60	52	47	44	48	44	41		44	41	39		40	38	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2886392
5°	2217472
10°	940085
15°	403408
20°	268357
25°	127749
30°	31397
35°	23289
40°	22328
45°	22328
50°	22856
55°	25614
60°	25875
65°	23868
70°	19875
75°	17792
80°	20205
85°	20128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.4	21.1
10°-20°	543.4	15.1
20°-30°	245.7	6.8
30°-40°	58.0	1.6
40°-50°	55.7	1.5
50°-60°	58.7	1.6
60°-70°	45.2	1.3
70°-80°	23.4	0.6
80°-90°	8.4	0.2
90°-100°	8.4	0.2
100°-110°	23.4	0.6
110°-120°	45.2	1.3
120°-130°	58.7	1.6
130°-140°	55.7	1.5
140°-150°	58.0	1.6
150°-160°	245.7	6.8
160°-170°	543.4	15.1
170°-180°	759.4	21.1
0°-30°	1548.6	43.1
0°-40°	1606.6	44.7
0°-60°	1721.0	47.9
0°-90°	1798.1	50.0
90°-120°	77.0	2.1
90°-150°	249.5	6.9
90°-180°	1798.0	50.0
0°-180°	3596.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13163	
5°	10074	759
15°	1777	543
25°	528	246
35°	87	58
45°	72	56
55°	67	59
65°	46	45
75°	21	23
85°	8	8
90°	0	1
95°	8	8
105°	21	23
115°	46	45
125°	67	59
135°	72	56
145°	87	58
155°	528	246
165°	1777	543
175°	10074	759
180°	13163	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13163
1°	12991
2°	12591
3°	11957
4°	11104
5°	10074
6°	8894
7°	7658
8°	6409
9°	5242
10°	4222
11°	3410
12°	2816
13°	2380
14°	2039
15°	1777
16°	1566
17°	1424
18°	1318
19°	1226
20°	1150
22.5°	914
25°	528
26°	385
27°	262
28°	174
29°	137
30°	124
32.5°	104
35°	87
37.5°	81
40°	78
42.5°	75
45°	72
47.5°	69
50°	67
52.5°	67
55°	67
57.5°	65
60°	59
62.5°	54
65°	46
67.5°	38
70°	31
72.5°	25



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CANDELA DISTRIBUTION (continued):

	0°
75°	21
77.5°	19
80°	16
82.5°	12
85°	8
87.5°	3
90°	0
92.5°	3
95°	8
97.5°	12
100°	16
102.5°	19
105°	21
107.5°	25
110°	31
112.5°	38
115°	46
117.5°	54
120°	59
122.5°	65
125°	67
127.5°	67
130°	67
132.5°	69
135°	72
137.5°	75
140°	78
142.5°	81
145°	87
147.5°	104
150°	124
151°	137
152°	174
153°	262
154°	385
155°	528
157.5°	914
160°	1150
161°	1226
162°	1318
163°	1424
164°	1566
165°	1777
166°	2039
167°	2380



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CANDELA DISTRIBUTION (continued):

	0°
168°	2816
169°	3410
170°	4222
171°	5242
172°	6409
173°	7658
174°	8894
175°	10074
176°	11104
177°	11957
178°	12591
179°	12991
180°	13163

(END OF REPORT)