

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: P221524

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221524
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]-LED5080-S-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3735.7 lumens
Efficiency: N/A
Efficacy: 92.9 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

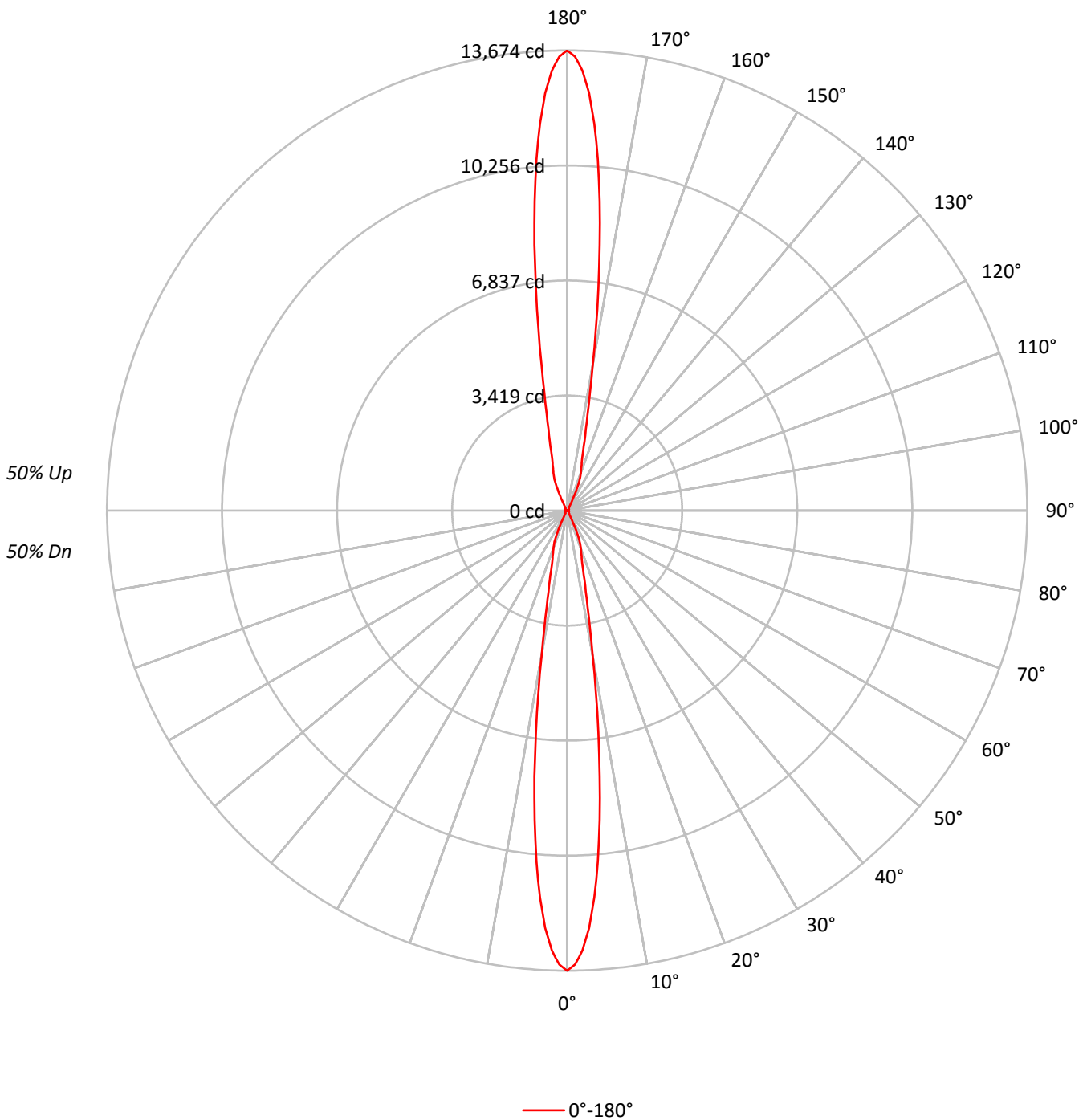
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2998488
5°	2303582
10°	976602
15°	419072
20°	278788
25°	132709
30°	32613
35°	24199
40°	23186
45°	23196
50°	23743
55°	26608
60°	26884
65°	24802
70°	20645
75°	18470
80°	20962
85°	20882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.9	21.1
10°-20°	564.5	15.1
20°-30°	255.3	6.8
30°-40°	60.3	1.6
40°-50°	57.9	1.5
50°-60°	61.0	1.6
60°-70°	47.0	1.3
70°-80°	24.2	0.6
80°-90°	8.8	0.2
90°-100°	8.8	0.2
100°-110°	24.2	0.6
110°-120°	47.0	1.3
120°-130°	61.0	1.6
130°-140°	57.9	1.5
140°-150°	60.3	1.6
150°-160°	255.3	6.8
160°-170°	564.5	15.1
170°-180°	788.9	21.1
0°-30°	1608.7	43.1
0°-40°	1669.0	44.7
0°-60°	1787.9	47.9
0°-90°	1867.9	50.0
90°-120°	80.0	2.1
90°-150°	259.1	6.9
90°-180°	1868.0	50.0
0°-180°	3735.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13674	
5°	10465	789
15°	1846	565
25°	548	255
35°	90	60
45°	75	58
55°	70	61
65°	48	47
75°	22	24
85°	8	8
90°	0	1
95°	8	8
105°	22	24
115°	48	47
125°	70	61
135°	75	58
145°	90	60
155°	548	255
165°	1846	565
175°	10465	789
180°	13674	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13674.2
1°	13495.5
2°	13080.0
3°	12421.3
4°	11535.2
5°	10465.2
6°	9239.4
7°	7955.4
8°	6657.9
9°	5445.6
10°	4386.0
11°	3542.4
12°	2925.4
13°	2472.4
14°	2118.2
15°	1846.0
16°	1626.8
17°	1479.3
18°	1369.2
19°	1273.6
20°	1194.7
22.5°	949.5
25°	548.5
26°	400.0
27°	272.2
28°	180.8
29°	142.3
30°	128.8
32.5°	108.0
35°	90.4
37.5°	84.1
40°	81.0
42.5°	77.9
45°	74.8
47.5°	71.7
50°	69.6
52.5°	69.6
55°	69.6
57.5°	67.5
60°	61.3
62.5°	56.1
65°	47.8
67.5°	39.5
70°	32.2
72.5°	26.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	21.8
77.5°	19.7
80°	16.6
82.5°	12.5
85°	8.3
87.5°	3.1
90°	0.0
92.5°	3.1
95°	8.3
97.5°	12.5
100°	16.6
102.5°	19.7
105°	21.8
107.5°	26.0
110°	32.2
112.5°	39.5
115°	47.8
117.5°	56.1
120°	61.3
122.5°	67.5
125°	69.6
127.5°	69.6
130°	69.6
132.5°	71.7
135°	74.8
137.5°	77.9
140°	81.0
142.5°	84.1
145°	90.4
147.5°	108.0
150°	128.8
151°	142.3
152°	180.8
153°	272.2
154°	400.0
155°	548.5
157.5°	949.5
160°	1194.7
161°	1273.6
162°	1369.2
163°	1479.3
164°	1626.8
165°	1846.0
166°	2118.2
167°	2472.4



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CANDELA DISTRIBUTION (continued):

	0°
168°	2925.4
169°	3542.4
170°	4386.0
171°	5445.6
172°	6657.9
173°	7955.4
174°	9239.4
175°	10465.2
176°	11535.2
177°	12421.3
178°	13080.0
179°	13495.5
180°	13674.2

(END OF REPORT)