

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: P221694

Luminaire Tested: **9003-W2-FL-LED5080-W-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29479)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-FL-LED5080-W-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3385.7 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

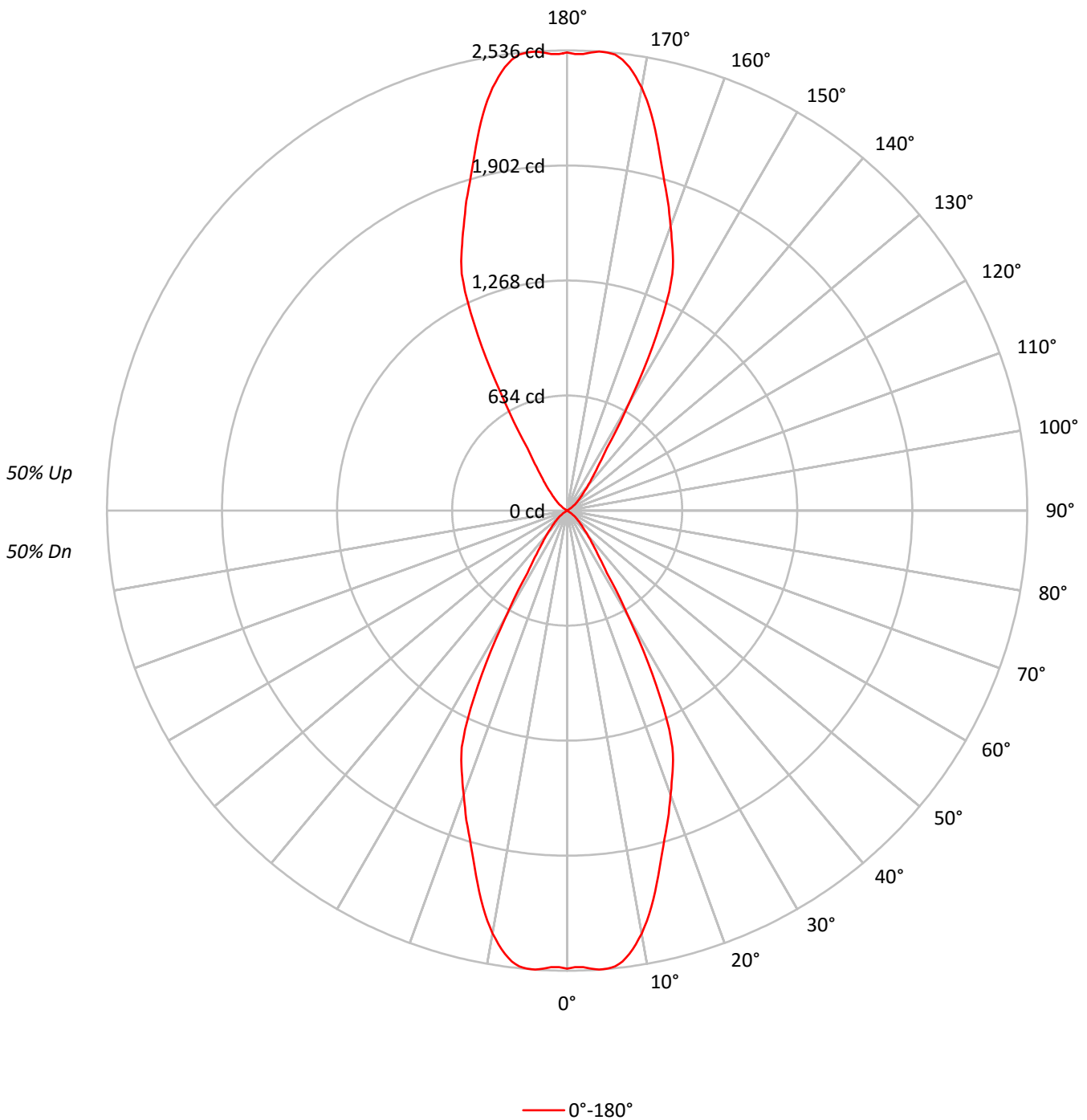
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	79	87	82	78	75	71	68	66		60	58	57		51	49	49	44
3	88	80	75	70	81	75	70	66	65	62	59		56	54	52		48	46	45	41
4	82	74	67	63	76	69	64	60	61	57	54		53	50	48		45	44	42	39
5	77	68	61	57	72	64	58	54	56	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	49	53	48	45		47	43	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		42	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	37	41	37	34		37	34	32		34	31	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553552
5°	557714
10°	526933
15°	453260
20°	389070
25°	321962
30°	171773
35°	78139
40°	49951
45°	32872
50°	23027
55°	11507
60°	2719
65°	2698
70°	2693
75°	1779
80°	1263
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	7.0
10°-20°	558.4	16.5
20°-30°	570.6	16.9
30°-40°	206.7	6.1
40°-50°	85.1	2.5
50°-60°	27.5	0.8
60°-70°	4.9	0.1
70°-80°	2.3	0.1
80°-90°	0.7	0.0
90°-100°	0.7	0.0
100°-110°	2.3	0.1
110°-120°	4.9	0.1
120°-130°	27.5	0.8
130°-140°	85.1	2.5
140°-150°	206.7	6.1
150°-160°	570.6	16.9
160°-170°	558.4	16.5
170°-180°	236.8	7.0
0°-30°	1365.7	40.3
0°-40°	1572.4	46.4
0°-60°	1685.0	49.8
0°-90°	1692.9	50.0
90°-120°	7.9	0.2
90°-150°	327.1	9.7
90°-180°	1693.0	50.0
0°-180°	3385.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2524	
5°	2534	237
15°	1997	558
25°	1331	571
35°	292	207
45°	106	85
55°	30	27
65°	5	5
75°	2	2
85°	1	1
90°	0	0
95°	1	1
105°	2	2
115°	5	5
125°	30	27
135°	106	85
145°	292	207
155°	1331	571
165°	1997	558
175°	2534	237
180°	2524	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2524.4
1°	2517.1
2°	2518.1
3°	2527.5
4°	2535.8
5°	2533.7
6°	2526.4
7°	2503.6
8°	2467.2
9°	2419.4
10°	2366.5
11°	2303.1
12°	2233.5
13°	2155.6
14°	2074.5
15°	1996.6
16°	1921.8
17°	1856.4
18°	1796.1
19°	1729.7
20°	1667.3
21°	1608.1
22°	1549.9
23°	1493.8
24°	1427.4
25°	1330.7
26°	1212.3
27°	1083.5
28°	947.4
29°	810.3
30°	678.4
32.5°	407.2
35°	291.9
37.5°	225.4
40°	174.5
42.5°	133.0
45°	106.0
47.5°	85.2
50°	67.5
52.5°	49.9
55°	30.1
57.5°	8.3
60°	6.2
62.5°	5.2
65°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	4.2
72.5°	3.1
75°	2.1
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	2.1
107.5°	3.1
110°	4.2
112.5°	4.2
115°	5.2
117.5°	5.2
120°	6.2
122.5°	8.3
125°	30.1
127.5°	49.9
130°	67.5
132.5°	85.2
135°	106.0
137.5°	133.0
140°	174.5
142.5°	225.4
145°	291.9
147.5°	407.2
150°	678.4
151°	810.3
152°	947.4
153°	1083.5
154°	1212.3
155°	1330.7
156°	1427.4
157°	1493.8
158°	1549.9
159°	1608.1
160°	1667.3
161°	1729.7



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CANDELA DISTRIBUTION (continued):

	0°
162°	1796.1
163°	1856.4
164°	1921.8
165°	1996.6
166°	2074.5
167°	2155.6
168°	2233.5
169°	2303.1
170°	2366.5
171°	2419.4
172°	2467.2
173°	2503.6
174°	2526.4
175°	2533.7
176°	2535.8
177°	2527.5
178°	2518.1
179°	2517.1
180°	2524.4

(END OF REPORT)