

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: P221693

Luminaire Tested: **9003-W2-FL-LED5080-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221693
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-L1-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: 1836.1 lumens
Efficiency: N/A
Efficacy: 93.7 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

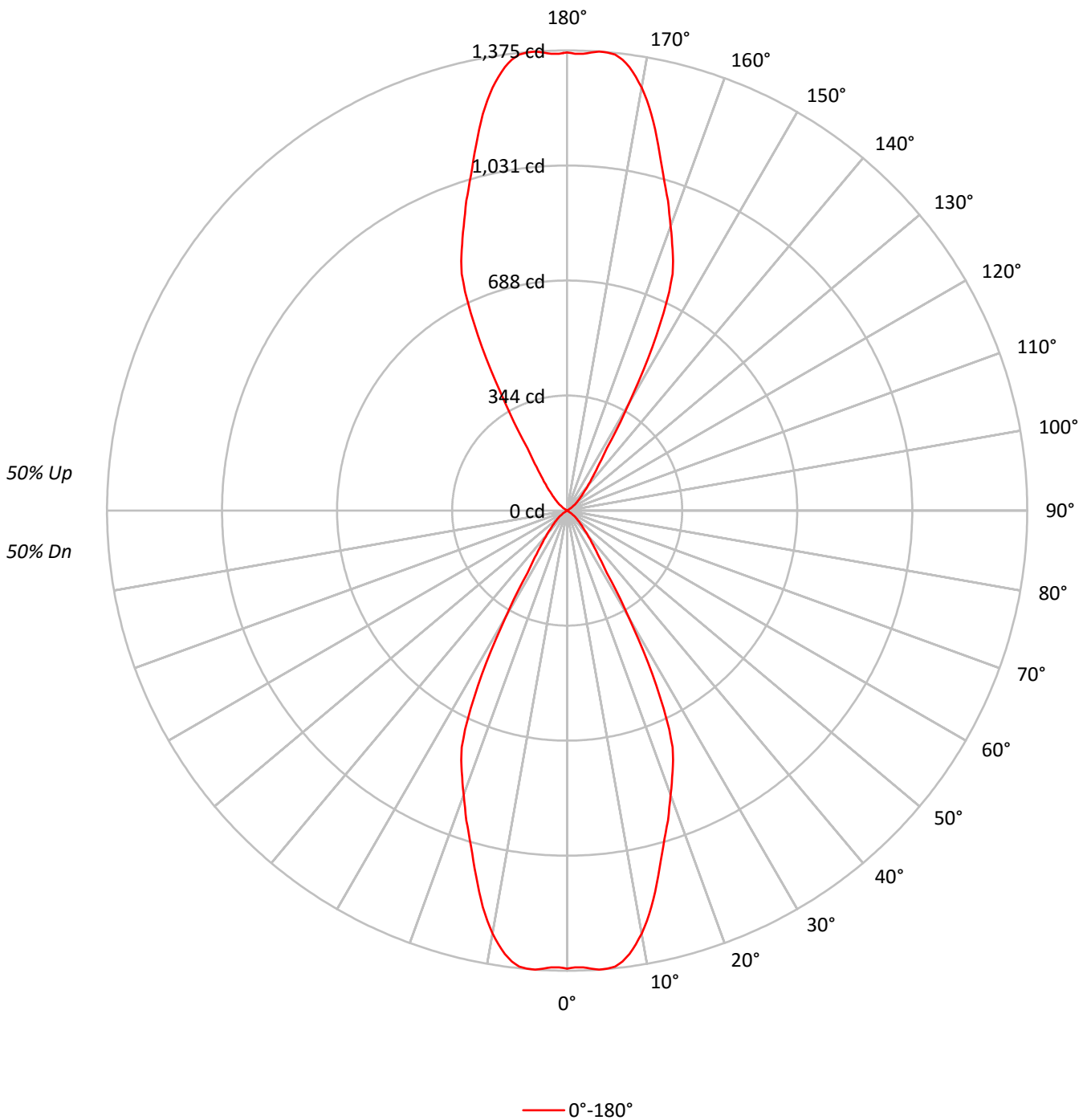
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221693

CATALOG NUMBER: 9003-W2-FL-LED5080-W-BK-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221693

CATALOG NUMBER: 9003-W2-FL-LED5080-W-BK-L1-UNV

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°	300173
5°	302443
10°	285744
15°	245790
20°	210975
25°	174591
30°	93154
35°	42376
40°	27079
45°	17831
50°	12486
55°	6232
60°	1491
65°	1453
70°	1475
75°	932
80°	758
85°	1510



TEST NUMBER: P221693

CATALOG NUMBER: 9003-W2-FL-LED5080-W-BK-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	7.0
10°-20°	302.8	16.5
20°-30°	309.4	16.9
30°-40°	112.1	6.1
40°-50°	46.1	2.5
50°-60°	14.9	0.8
60°-70°	2.7	0.1
70°-80°	1.3	0.1
80°-90°	0.4	0.0
90°-100°	0.4	0.0
100°-110°	1.3	0.1
110°-120°	2.7	0.1
120°-130°	14.9	0.8
130°-140°	46.1	2.5
140°-150°	112.1	6.1
150°-160°	309.4	16.9
160°-170°	302.8	16.5
170°-180°	128.4	7.0
0°-30°	740.6	40.3
0°-40°	852.7	46.4
0°-60°	913.7	49.8
0°-90°	918.0	50.0
90°-120°	4.3	0.2
90°-150°	177.4	9.7
90°-180°	918.0	50.0
0°-180°	1836.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1369	
5°	1374	128
15°	1083	303
25°	722	309
35°	158	112
45°	58	46
55°	16	15
65°	3	3
75°	1	1
85°	1	0
90°	0	0
95°	1	0
105°	1	1
115°	3	3
125°	16	15
135°	58	46
145°	158	112
155°	722	309
165°	1083	303
175°	1374	128
180°	1369	



TEST NUMBER: P221693

CATALOG NUMBER: 9003-W2-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	1368.9
1°	1365.0
2°	1365.5
3°	1370.6
4°	1375.1
5°	1374.0
6°	1370.0
7°	1357.6
8°	1337.9
9°	1312.0
10°	1283.3
11°	1248.9
12°	1211.2
13°	1168.9
14°	1125.0
15°	1082.7
16°	1042.2
17°	1006.7
18°	974.0
19°	937.9
20°	904.1
21°	872.0
22°	840.5
23°	810.1
24°	774.0
25°	721.6
26°	657.4
27°	587.6
28°	513.8
29°	439.4
30°	367.9
32.5°	220.8
35°	158.3
37.5°	122.2
40°	94.6
42.5°	72.1
45°	57.5
47.5°	46.2
50°	36.6
52.5°	27.0
55°	16.3
57.5°	4.5
60°	3.4
62.5°	2.8
65°	2.8



TEST NUMBER: P221693

CATALOG NUMBER: 9003-W2-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	2.3
72.5°	1.7
75°	1.1
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.6
97.5°	0.6
100°	0.6
102.5°	0.6
105°	1.1
107.5°	1.7
110°	2.3
112.5°	2.3
115°	2.8
117.5°	2.8
120°	3.4
122.5°	4.5
125°	16.3
127.5°	27.0
130°	36.6
132.5°	46.2
135°	57.5
137.5°	72.1
140°	94.6
142.5°	122.2
145°	158.3
147.5°	220.8
150°	367.9
151°	439.4
152°	513.8
153°	587.6
154°	657.4
155°	721.6
156°	774.0
157°	810.1
158°	840.5
159°	872.0
160°	904.1
161°	937.9



TEST NUMBER: P221693

CATALOG NUMBER: 9003-W2-FL-LED5080-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	974.0
163°	1006.7
164°	1042.2
165°	1082.7
166°	1125.0
167°	1168.9
168°	1211.2
169°	1248.9
170°	1283.3
171°	1312.0
172°	1337.9
173°	1357.6
174°	1370.0
175°	1374.0
176°	1375.1
177°	1370.6
178°	1365.5
179°	1365.0
180°	1368.9

(END OF REPORT)