

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: P221427

Luminaire Tested: **9003-W2-[RW, RI]-LED3090-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221427
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]-LED3090-S-WT-L1-UNV
Description: LUMIERE LANTERRA 9003 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1556.4 lumens
Efficiency: N/A
Efficacy: 79.4 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

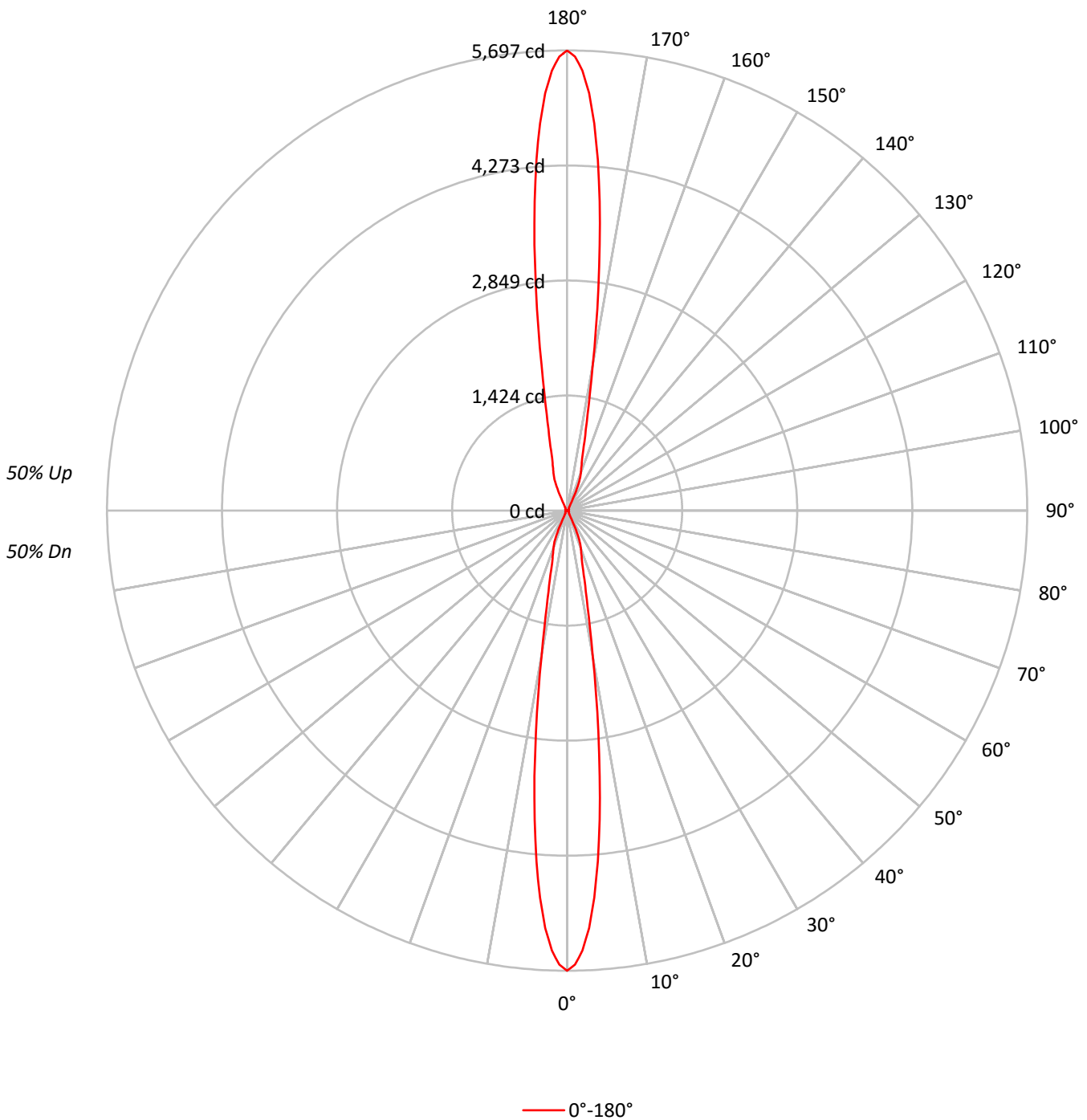
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221427

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-WT-L1-UNV

Luminous Intensity Polar Plot





TEST NUMBER: P221427

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-WT-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	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°	1249154
5°	959650
10°	406851
15°	174575
20°	116140
25°	55285
30°	13597
35°	10092
40°	9675
45°	9675
50°	9893
55°	11087
60°	11183
65°	10325
70°	8591
75°	7710
80°	8713
85°	8806



TEST NUMBER: P221427

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-WT-L1-UNV

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	21.1
10°-20°	235.2	15.1
20°-30°	106.4	6.8
30°-40°	25.1	1.6
40°-50°	24.1	1.6
50°-60°	25.4	1.6
60°-70°	19.6	1.3
70°-80°	10.1	0.6
80°-90°	3.7	0.2
90°-100°	3.7	0.2
100°-110°	10.1	0.6
110°-120°	19.6	1.3
120°-130°	25.4	1.6
130°-140°	24.1	1.6
140°-150°	25.1	1.6
150°-160°	106.4	6.8
160°-170°	235.2	15.1
170°-180°	328.6	21.1
0°-30°	670.2	43.1
0°-40°	695.3	44.7
0°-60°	744.9	47.9
0°-90°	778.2	50.0
90°-120°	33.3	2.1
90°-150°	108.0	6.9
90°-180°	778.0	50.0
0°-180°	1556.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5697	
5°	4360	329
15°	769	235
25°	228	106
35°	38	25
45°	31	24
55°	29	25
65°	20	20
75°	9	10
85°	4	3
90°	0	0
95°	4	3
105°	9	10
115°	20	20
125°	29	25
135°	31	24
145°	38	25
155°	228	106
165°	769	235
175°	4360	329
180°	5697	



TEST NUMBER: P221427

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-WT-L1-UNV

CANDELA DISTRIBUTION (FULL):

0°	
0°	5696.6
1°	5622.1
2°	5449.0
3°	5174.6
4°	4805.5
5°	4359.7
6°	3849.1
7°	3314.2
8°	2773.6
9°	2268.6
10°	1827.2
11°	1475.7
12°	1218.7
13°	1030.0
14°	882.4
15°	769.0
16°	677.7
17°	616.3
18°	570.4
19°	530.6
20°	497.7
22.5°	395.6
25°	228.5
26°	166.6
27°	113.4
28°	75.3
29°	59.3
30°	53.7
32.5°	45.0
35°	37.7
37.5°	35.1
40°	33.8
42.5°	32.5
45°	31.2
47.5°	29.9
50°	29.0
52.5°	29.0
55°	29.0
57.5°	28.1
60°	25.5
62.5°	23.4
65°	19.9
67.5°	16.4
70°	13.4
72.5°	10.8



TEST NUMBER: P221427

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
75°	9.1
77.5°	8.2
80°	6.9
82.5°	5.2
85°	3.5
87.5°	1.3
90°	0.0
92.5°	1.3
95°	3.5
97.5°	5.2
100°	6.9
102.5°	8.2
105°	9.1
107.5°	10.8
110°	13.4
112.5°	16.4
115°	19.9
117.5°	23.4
120°	25.5
122.5°	28.1
125°	29.0
127.5°	29.0
130°	29.0
132.5°	29.9
135°	31.2
137.5°	32.5
140°	33.8
142.5°	35.1
145°	37.7
147.5°	45.0
150°	53.7
151°	59.3
152°	75.3
153°	113.4
154°	166.6
155°	228.5
157.5°	395.6
160°	497.7
161°	530.6
162°	570.4
163°	616.3
164°	677.7
165°	769.0
166°	882.4
167°	1030.0



TEST NUMBER: P221427

CATALOG NUMBER: 9003-W2-[RW, RI]-LED3090-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
168°	1218.7
169°	1475.7
170°	1827.2
171°	2268.6
172°	2773.6
173°	3314.2
174°	3849.1
175°	4359.7
176°	4805.5
177°	5174.6
178°	5449.0
179°	5622.1
180°	5696.6

(END OF REPORT)