

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: P221810

Luminaire Tested: **9004-W2-[RW, RI]-LED3097-S-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-[RW, RI]-LED3097-S-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3728.6 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

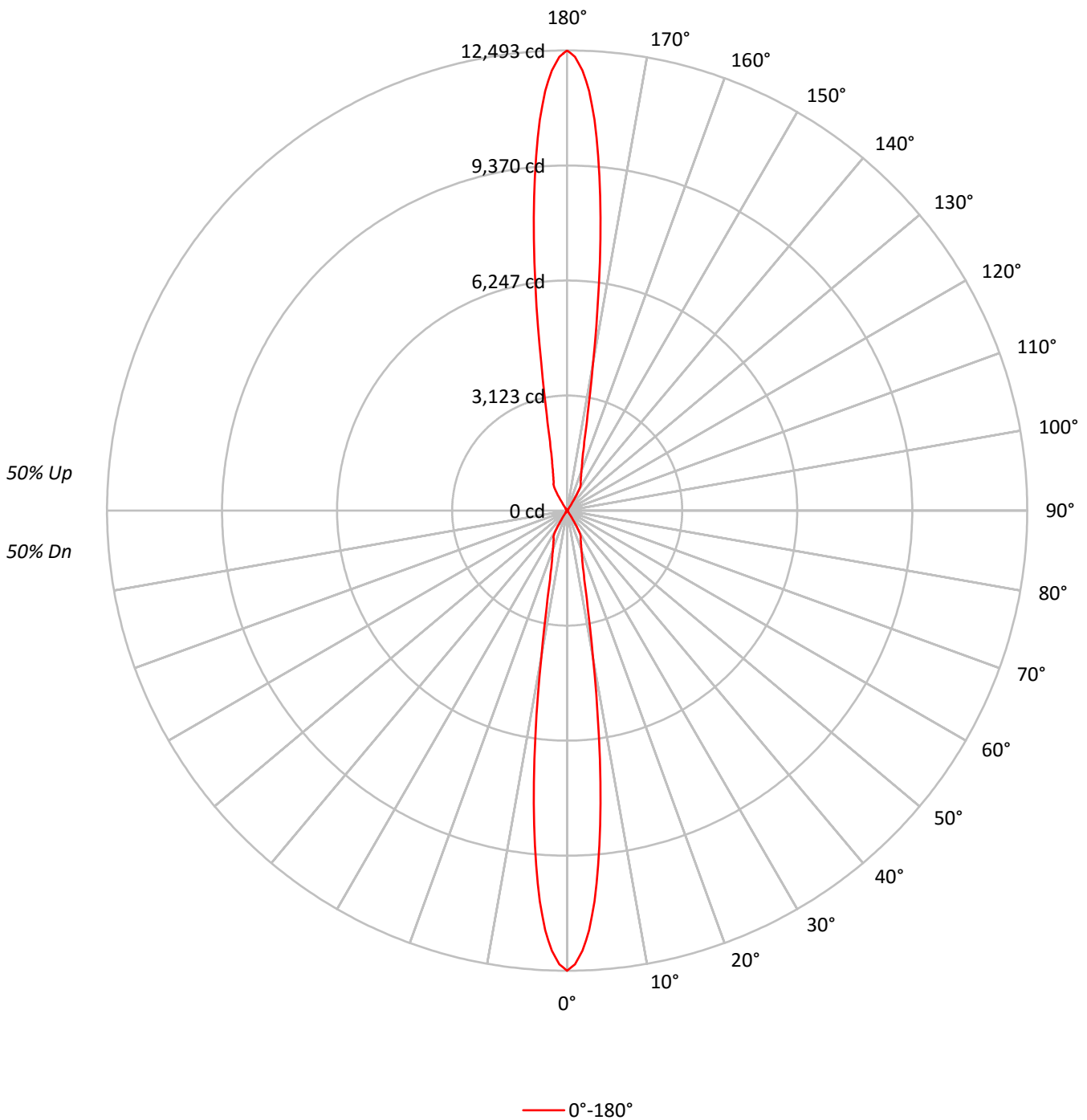
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	48
2	94	89	85	81	87	83	79	76	72	69	67		61	60	58		52	51	50	46
3	89	82	77	72	83	77	72	69	67	64	61		58	56	54		50	48	47	44
4	84	76	70	66	78	72	67	63	63	60	57		55	53	51		48	46	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	67	61	56	71	63	58	54	57	53	50		50	48	46		45	43	42	39
7	72	63	57	53	67	60	54	51	54	50	47		48	46	44		43	42	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	48	45	59	52	47	43	47	44	41		43	41	39		40	38	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1540994
5°	1197482
10°	507444
15°	216957
20°	148142
25°	118064
30°	88262
35°	11685
40°	6247
45°	4553
50°	4874
55°	5312
60°	5921
65°	6800
70°	7898
75°	9436
80°	11010
85°	11039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.8	19.6
10°-20°	523.0	14.0
20°-30°	403.6	10.8
30°-40°	111.8	3.0
40°-50°	21.7	0.6
50°-60°	22.2	0.6
60°-70°	23.0	0.6
70°-80°	20.6	0.6
80°-90°	8.6	0.2
90°-100°	8.6	0.2
100°-110°	20.6	0.6
110°-120°	23.0	0.6
120°-130°	22.2	0.6
130°-140°	21.7	0.6
140°-150°	111.8	3.0
150°-160°	403.6	10.8
160°-170°	523.0	14.0
170°-180°	729.8	19.6
0°-30°	1656.4	44.4
0°-40°	1768.2	47.4
0°-60°	1812.0	48.6
0°-90°	1864.3	50.0
90°-120°	52.3	1.4
90°-150°	207.9	5.6
90°-180°	1864.0	50.0
0°-180°	3728.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12493	
5°	9671	730
15°	1699	523
25°	868	404
35°	78	112
45°	26	22
55°	25	22
65°	23	23
75°	20	21
85°	8	8
90°	0	1
95°	8	8
105°	20	21
115°	23	23
125°	25	22
135°	26	22
145°	78	112
155°	868	404
165°	1699	523
175°	9671	730
180°	12493	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12493.3
1°	12318.3
2°	11955.5
3°	11404.2
4°	10637.7
5°	9671.4
6°	8580.2
7°	7428.2
8°	6181.0
9°	5050.3
10°	4051.5
11°	3264.5
12°	2667.4
13°	2235.4
14°	1929.8
15°	1699.0
16°	1527.4
17°	1399.0
18°	1298.0
19°	1209.8
20°	1128.6
22.5°	977.6
25°	867.5
26°	839.2
27°	815.2
28°	786.3
29°	723.5
30°	619.7
32.5°	297.9
35°	77.6
37.5°	50.1
40°	38.8
42.5°	28.9
45°	26.1
47.5°	25.4
50°	25.4
52.5°	24.7
55°	24.7
57.5°	24.7
60°	24.0
62.5°	24.0
65°	23.3
67.5°	22.6
70°	21.9
72.5°	21.2



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CANDELA DISTRIBUTION (continued):

	0°
75°	19.8
77.5°	18.4
80°	15.5
82.5°	12.7
85°	7.8
87.5°	3.5
90°	0.0
92.5°	3.5
95°	7.8
97.5°	12.7
100°	15.5
102.5°	18.4
105°	19.8
107.5°	21.2
110°	21.9
112.5°	22.6
115°	23.3
117.5°	24.0
120°	24.0
122.5°	24.7
125°	24.7
127.5°	24.7
130°	25.4
132.5°	25.4
135°	26.1
137.5°	28.9
140°	38.8
142.5°	50.1
145°	77.6
147.5°	297.9
150°	619.7
151°	723.5
152°	786.3
153°	815.2
154°	839.2
155°	867.5
157.5°	977.6
160°	1128.6
161°	1209.8
162°	1298.0
163°	1399.0
164°	1527.4
165°	1699.0
166°	1929.8
167°	2235.4



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CANDELA DISTRIBUTION (continued):

	0°
168°	2667.4
169°	3264.5
170°	4051.5
171°	5050.3
172°	6181.0
173°	7428.2
174°	8580.2
175°	9671.4
176°	10637.7
177°	11404.2
178°	11955.5
179°	12318.3
180°	12493.3

(END OF REPORT)