

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: P221930

Luminaire Tested: **9004-W2-[RW, RI]-LED5080-S-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221930
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]-LED5080-S-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 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: 5487.7 lumens
Efficiency: N/A
Efficacy: 95.9 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

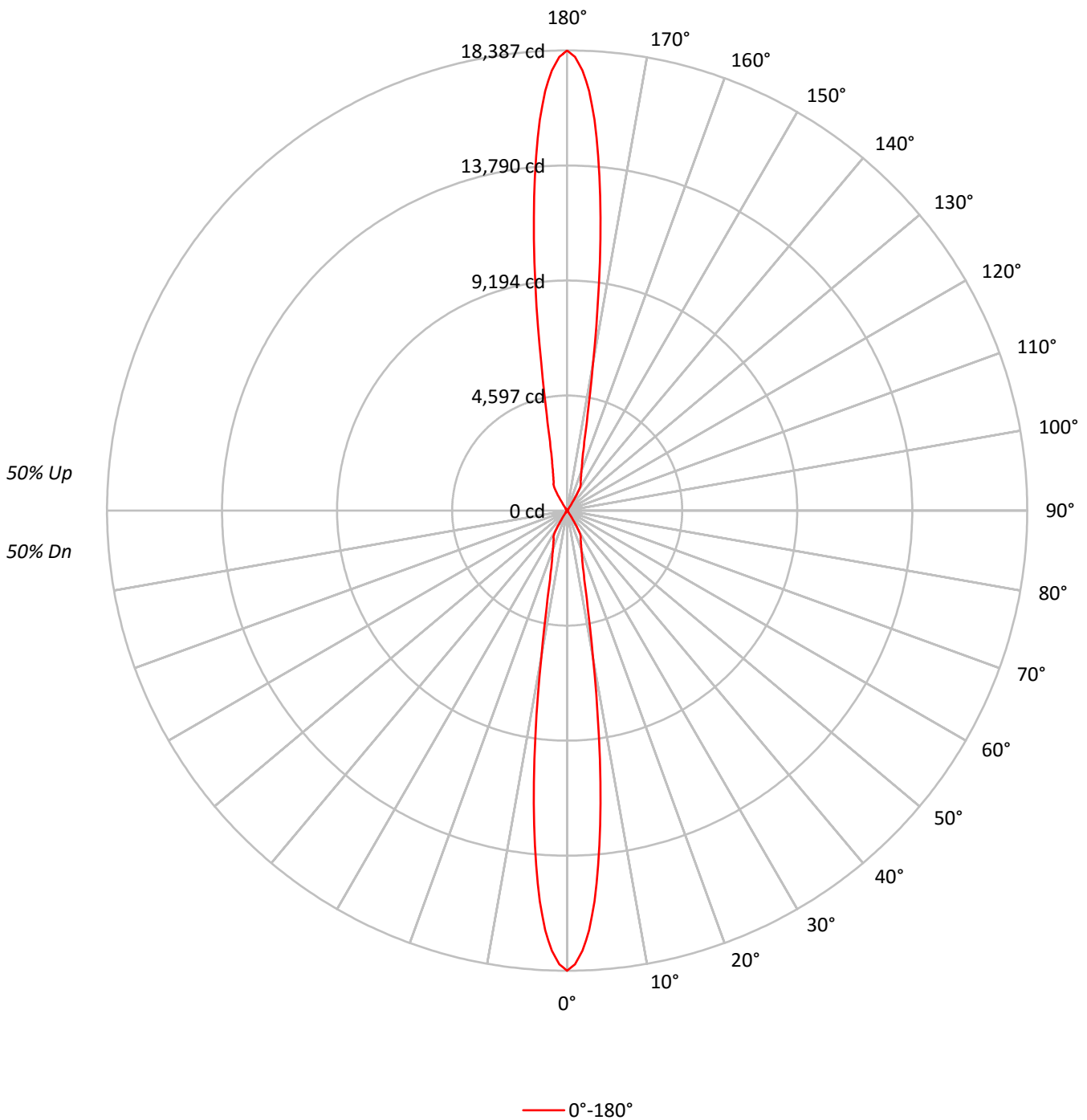
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2267993
5°	1762421
10°	746844
15°	319306
20°	218039
25°	173755
30°	129908
35°	17211
40°	9194
45°	6698
50°	7177
55°	7828
60°	8708
65°	10011
70°	11613
75°	13868
80°	16266
85°	16134



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.1	19.6
10°-20°	769.7	14.0
20°-30°	594.0	10.8
30°-40°	164.6	3.0
40°-50°	31.9	0.6
50°-60°	32.6	0.6
60°-70°	33.9	0.6
70°-80°	30.3	0.6
80°-90°	12.7	0.2
90°-100°	12.7	0.2
100°-110°	30.3	0.6
110°-120°	33.9	0.6
120°-130°	32.6	0.6
130°-140°	31.9	0.6
140°-150°	164.6	3.0
150°-160°	594.0	10.8
160°-170°	769.7	14.0
170°-180°	1074.1	19.6
0°-30°	2437.8	44.4
0°-40°	2602.4	47.4
0°-60°	2666.9	48.6
0°-90°	2743.9	50.0
90°-120°	76.9	1.4
90°-150°	306.1	5.6
90°-180°	2744.0	50.0
0°-180°	5487.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18387	
5°	14234	###
15°	2500	770
25°	1277	594
35°	114	165
45°	38	32
55°	36	33
65°	34	34
75°	29	30
85°	11	12
90°	0	1
95°	11	12
105°	29	30
115°	34	34
125°	36	33
135°	38	32
145°	114	165
155°	1277	594
165°	2500	770
175°	14234	###
180°	18387	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18387.3
1°	18129.7
2°	17595.8
3°	16784.4
4°	15656.3
5°	14234.1
6°	12628.1
7°	10932.7
8°	9097.1
9°	7432.9
10°	5962.9
11°	4804.6
12°	3925.8
13°	3290.0
14°	2840.2
15°	2500.5
16°	2248.0
17°	2059.0
18°	1910.4
19°	1780.6
20°	1661.1
22.5°	1438.8
25°	1276.7
26°	1235.2
27°	1199.9
28°	1157.3
29°	1064.8
30°	912.1
32.5°	438.4
35°	114.3
37.5°	73.8
40°	57.1
42.5°	42.6
45°	38.4
47.5°	37.4
50°	37.4
52.5°	36.4
55°	36.4
57.5°	36.4
60°	35.3
62.5°	35.3
65°	34.3
67.5°	33.2
70°	32.2
72.5°	31.2

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CANDELA DISTRIBUTION (continued):

	0°
75°	29.1
77.5°	27.0
80°	22.9
82.5°	18.7
85°	11.4
87.5°	5.2
90°	0.0
92.5°	5.2
95°	11.4
97.5°	18.7
100°	22.9
102.5°	27.0
105°	29.1
107.5°	31.2
110°	32.2
112.5°	33.2
115°	34.3
117.5°	35.3
120°	35.3
122.5°	36.4
125°	36.4
127.5°	36.4
130°	37.4
132.5°	37.4
135°	38.4
137.5°	42.6
140°	57.1
142.5°	73.8
145°	114.3
147.5°	438.4
150°	912.1
151°	1064.8
152°	1157.3
153°	1199.9
154°	1235.2
155°	1276.7
157.5°	1438.8
160°	1661.1
161°	1780.6
162°	1910.4
163°	2059.0
164°	2248.0
165°	2500.5
166°	2840.2
167°	3290.0



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CANDELA DISTRIBUTION (continued):

	0°
168°	3925.8
169°	4804.6
170°	5962.9
171°	7432.9
172°	9097.1
173°	10932.7
174°	12628.1
175°	14234.1
176°	15656.3
177°	16784.4
178°	17595.8
179°	18129.7
180°	18387.3

(END OF REPORT)