

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: P220773

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29489)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W1-[RW, RI]-LED4080-F-WT-L2-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2083.3 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.57
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

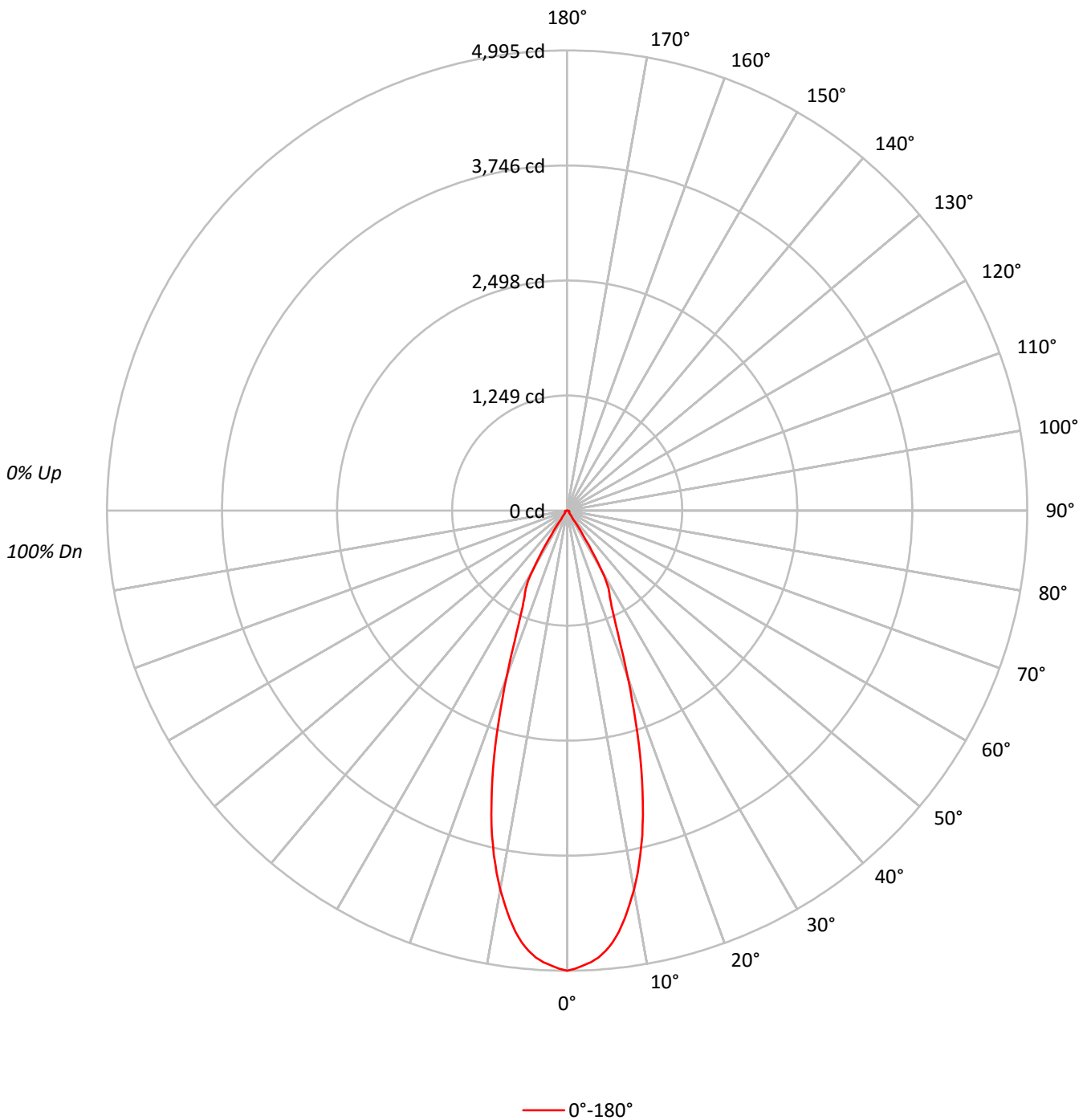
Input Watts (W): 20.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	74	72	71
8	86	78	73	70	85	78	73	70	77	73	69	76	72	69	75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65
10	80	72	68	64	80	72	67	64	71	67	64	71	67	64	70	66	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	616087
5°	594073
10°	523113
15°	403918
20°	252180
25°	155259
30°	106422
35°	16729
40°	7584
45°	5111
50°	5335
55°	5806
60°	6463
65°	7209
70°	8367
75°	10294
80°	12075
85°	12029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.0	21.0
10°-20°	849.4	40.8
20°-30°	550.0	26.4
30°-40°	141.5	6.8
40°-50°	24.2	1.2
50°-60°	24.4	1.2
60°-70°	24.5	1.2
70°-80°	22.0	1.1
80°-90°	9.3	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1837.4	88.2
0°-40°	1978.9	95.0
0°-60°	2027.5	97.3
0°-90°	2083.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2083.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4995	
5°	4798	438
15°	3163	849
25°	1141	550
35°	111	141
45°	29	24
55°	27	24
65°	25	24
75°	22	22
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4994.8
1°	4972.4
2°	4943.1
3°	4908.3
4°	4863.6
5°	4798.0
6°	4714.6
7°	4605.8
8°	4475.3
9°	4330.2
10°	4176.6
11°	4008.3
12°	3823.1
13°	3622.4
14°	3402.4
15°	3163.1
16°	2916.1
17°	2662.2
18°	2407.5
19°	2156.6
20°	1921.2
21°	1705.8
22°	1518.3
23°	1360.0
24°	1235.8
25°	1140.8
26°	1066.0
27°	1008.1
28°	959.4
29°	874.5
30°	747.2
32.5°	373.6
35°	111.1
37.5°	71.0
40°	47.1
42.5°	30.1
45°	29.3
47.5°	28.6
50°	27.8
52.5°	27.8
55°	27.0
57.5°	27.0
60°	26.2
62.5°	25.5
65°	24.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	23.9
70°	23.2
72.5°	22.4
75°	21.6
77.5°	19.3
80°	17.0
82.5°	13.1
85°	8.5
87.5°	3.9
90°	0.0

(END OF REPORT)