

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: P29494

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-W-BK-L3-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29494  
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-W-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2387.0 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.83  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

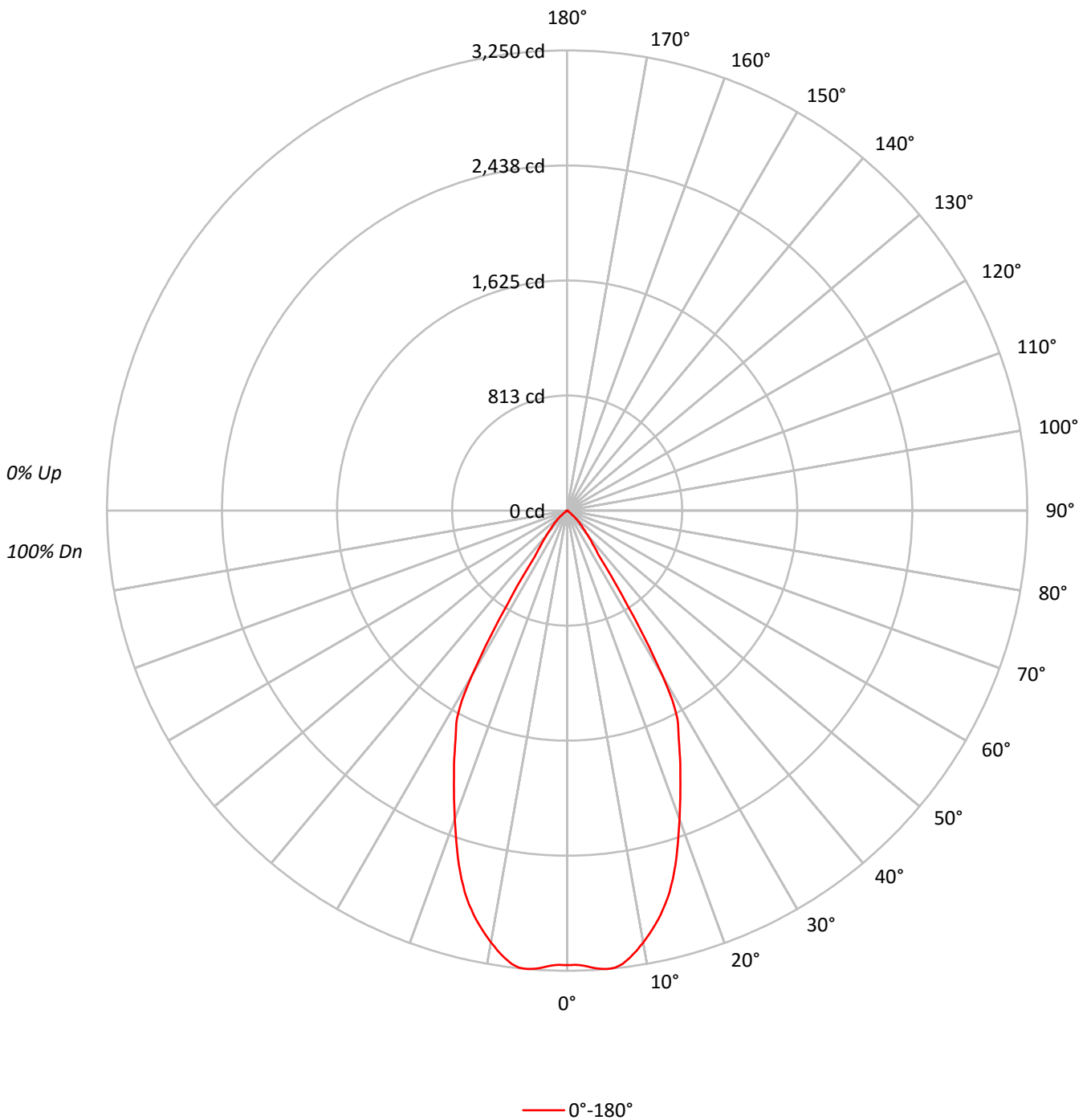
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	395939
5°	402405
10°	387894
15°	356529
20°	304396
25°	255726
30°	191422
35°	60080
40°	35585
45°	21630
50°	9019
55°	1505
60°	987
65°	584
70°	361
75°	477
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.3	12.8
10°-20°	770.1	32.3
20°-30°	857.7	35.9
30°-40°	342.2	14.3
40°-50°	97.8	4.1
50°-60°	10.8	0.5
60°-70°	2.1	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
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°	1933.1	81.0
0°-40°	2275.3	95.3
0°-60°	2383.9	99.9
0°-90°	2387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2387.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3210	
5°	3250	305
15°	2792	770
25°	1879	858
35°	399	342
45°	124	98
55°	7	11
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3210
1°	3209
2°	3215
3°	3230
4°	3244
5°	3250
6°	3246
7°	3225
8°	3189
9°	3145
10°	3097
11°	3045
12°	2991
13°	2931
14°	2865
15°	2792
16°	2707
17°	2616
18°	2517
19°	2416
20°	2319
21°	2225
22°	2135
23°	2047
24°	1964
25°	1879
26°	1799
27°	1730
28°	1658
29°	1531
30°	1344
32.5°	786
35°	399
37.5°	295
40°	221
42.5°	164
45°	124
47.5°	92
50°	47
52.5°	12
55°	7
57.5°	5
60°	4
62.5°	3
65°	2



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	1
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)