

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: P29491

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29491  
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-S-BK-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC,  
BLACK HOUSING.  
Light Source: (1) 4000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2482.0 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

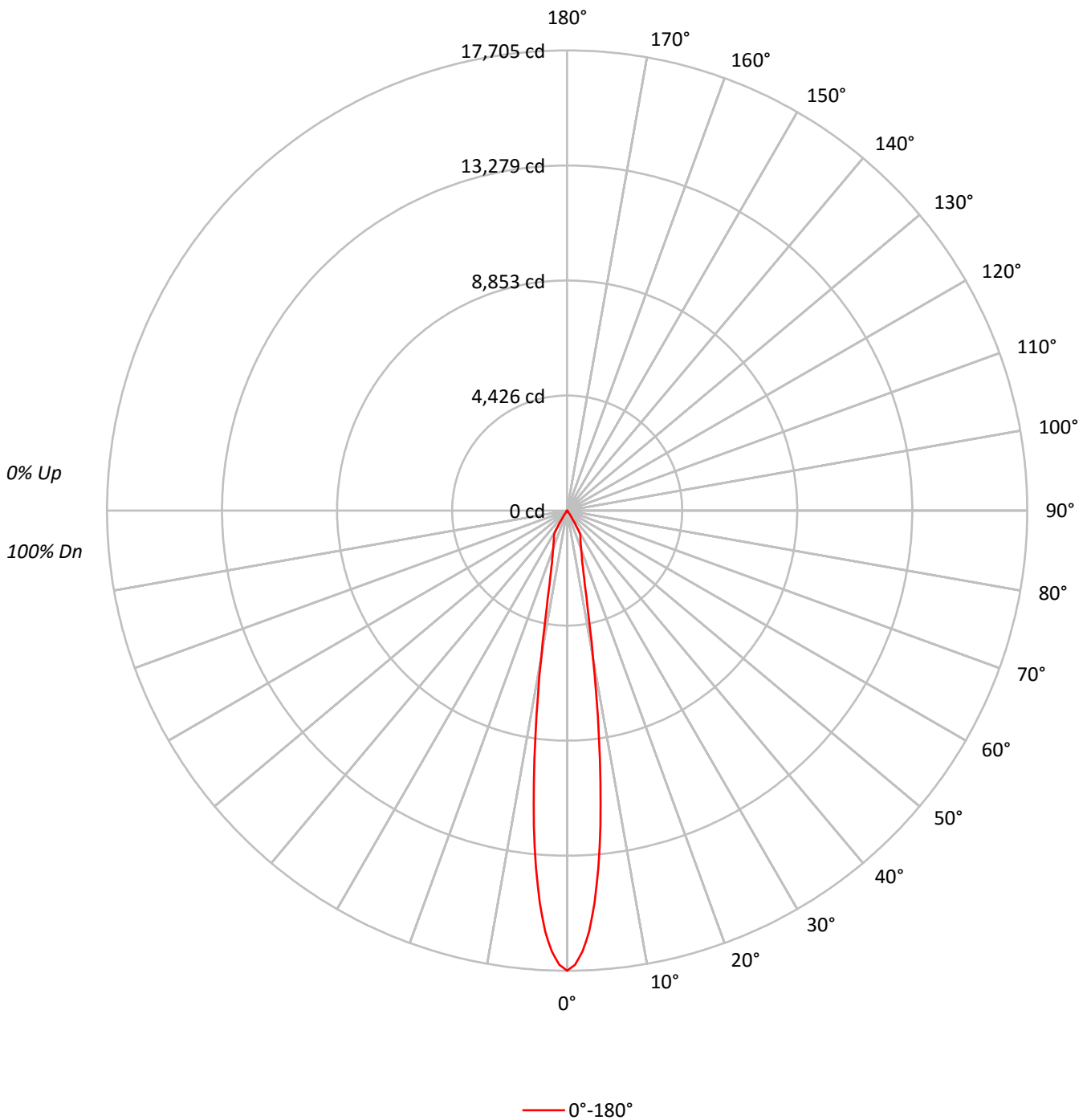
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94		97	95	93		95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87		91	89	86		90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	82		86	83	81		86	83	81	80
8	93	86	82	80	92	86	82	79	85	82	79		84	81	79		83	81	78	78
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75		80	77	75		79	77	74	74

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

	0°
0°	2183834
5°	1706195
10°	718676
15°	304557
20°	206212
25°	163725
30°	121206
35°	10992
40°	4025
45°	1221
50°	959
55°	1075
60°	740
65°	584
70°	361
75°	477
80°	710
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1037.3	41.8
10°-20°	733.0	29.5
20°-30°	559.7	22.5
30°-40°	137.2	5.5
40°-50°	7.4	0.3
50°-60°	4.0	0.2
60°-70°	2.0	0.1
70°-80°	1.1	0.0
80°-90°	0.4	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°	2329.9	93.9
0°-40°	2467.1	99.4
0°-60°	2478.5	99.9
0°-90°	2482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2482.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17705	
5°	13780	###
15°	2385	733
25°	1203	560
35°	73	137
45°	7	7
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17705
1°	17478
2°	16978
3°	16211
4°	15137
5°	13780
6°	12220
7°	10506
8°	8780
9°	7200
10°	5738
11°	4580
12°	3732
13°	3132
14°	2705
15°	2385
16°	2139
17°	1960
18°	1818
19°	1685
20°	1571
22.5°	1355
25°	1203
26°	1162
27°	1128
28°	1094
29°	1004
30°	851
32.5°	383
35°	73
37.5°	40
40°	25
42.5°	11
45°	7
47.5°	6
50°	5
52.5°	5
55°	5
57.5°	4
60°	3
62.5°	3
65°	2
67.5°	1
70°	1
72.5°	1



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	1
77.5°	1
80°	1
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)