

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: P29492

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P29492
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-M-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM
FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2474.9 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

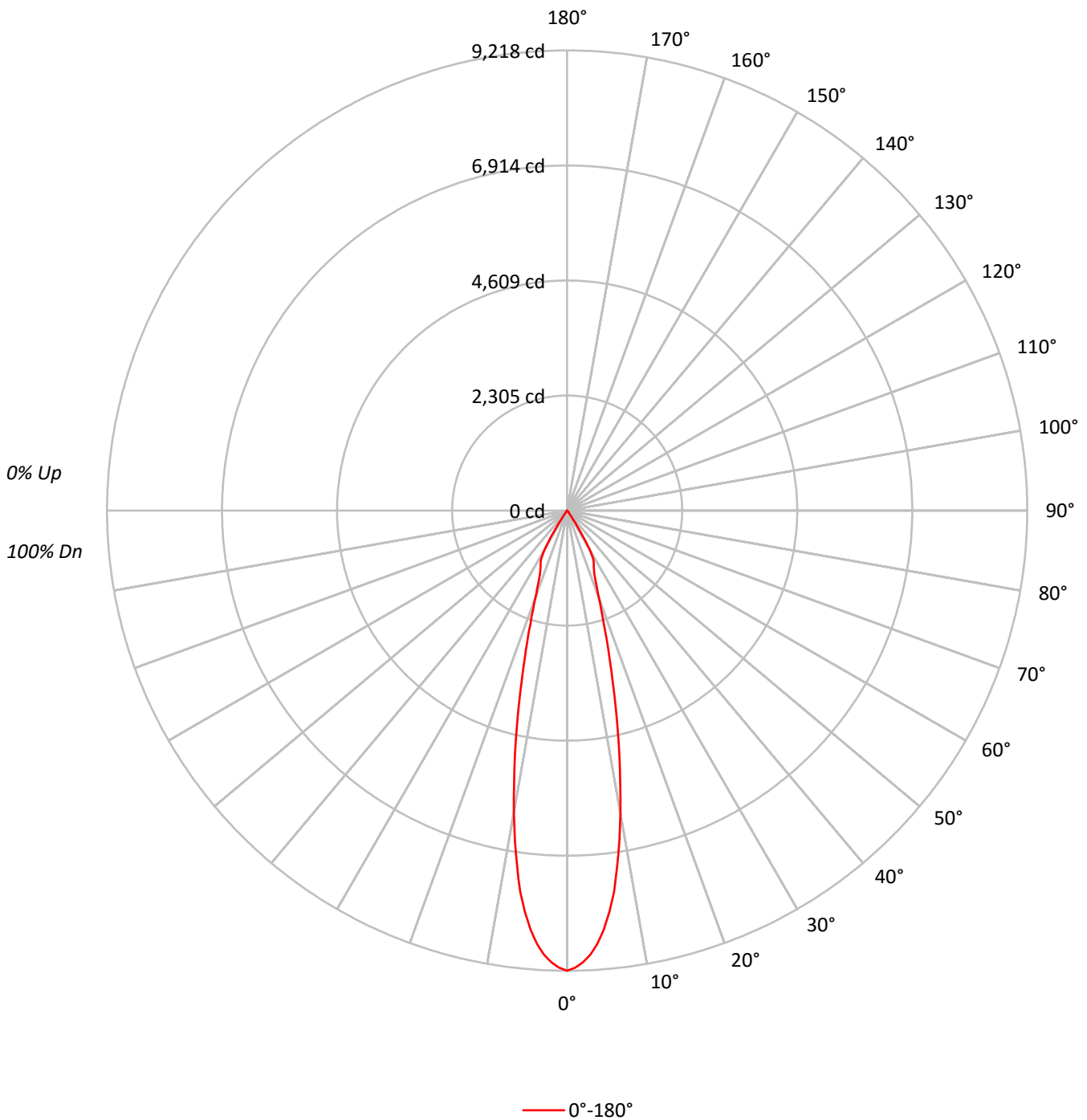
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	78	76	82	78	75	81	77	75	80	77	75	74
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	73	70	75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1137000
5°	1043156
10°	769652
15°	449237
20°	243622
25°	172163
30°	124766
35°	15509
40°	5314
45°	2093
50°	1343
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°	730.5	29.5
10°-20°	979.6	39.6
20°-30°	594.3	24.0
30°-40°	152.1	6.1
40°-50°	10.8	0.4
50°-60°	4.5	0.2
60°-70°	2.0	0.1
70°-80°	1.1	0.0
80°-90°	0.1	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°	2304.4	93.1
0°-40°	2456.4	99.3
0°-60°	2471.7	99.9
0°-90°	2474.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2474.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9218	
5°	8425	730
15°	3518	980
25°	1265	594
35°	103	152
45°	12	11
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9218
1°	9159
2°	9054
3°	8904
4°	8699
5°	8425
6°	8083
7°	7698
8°	7206
9°	6681
10°	6145
11°	5581
12°	5027
13°	4497
14°	3988
15°	3518
16°	3098
17°	2719
18°	2381
19°	2096
20°	1856
21°	1667
22°	1517
23°	1406
24°	1327
25°	1265
26°	1215
27°	1172
28°	1121
29°	1028
30°	876
32.5°	417
35°	103
37.5°	56
40°	33
42.5°	15
45°	12
47.5°	10
50°	7
52.5°	6
55°	5
57.5°	4
60°	3
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°	1
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)