

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: P221490

Luminaire Tested: **9003-W2-[RW, RI]-LED4080-S-BK-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29472)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9003-W2-[RW, RI]-LED4080-S-BK-L2-UNV
Description: LUMIERE LANTERRA 9003 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: 3036.5 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

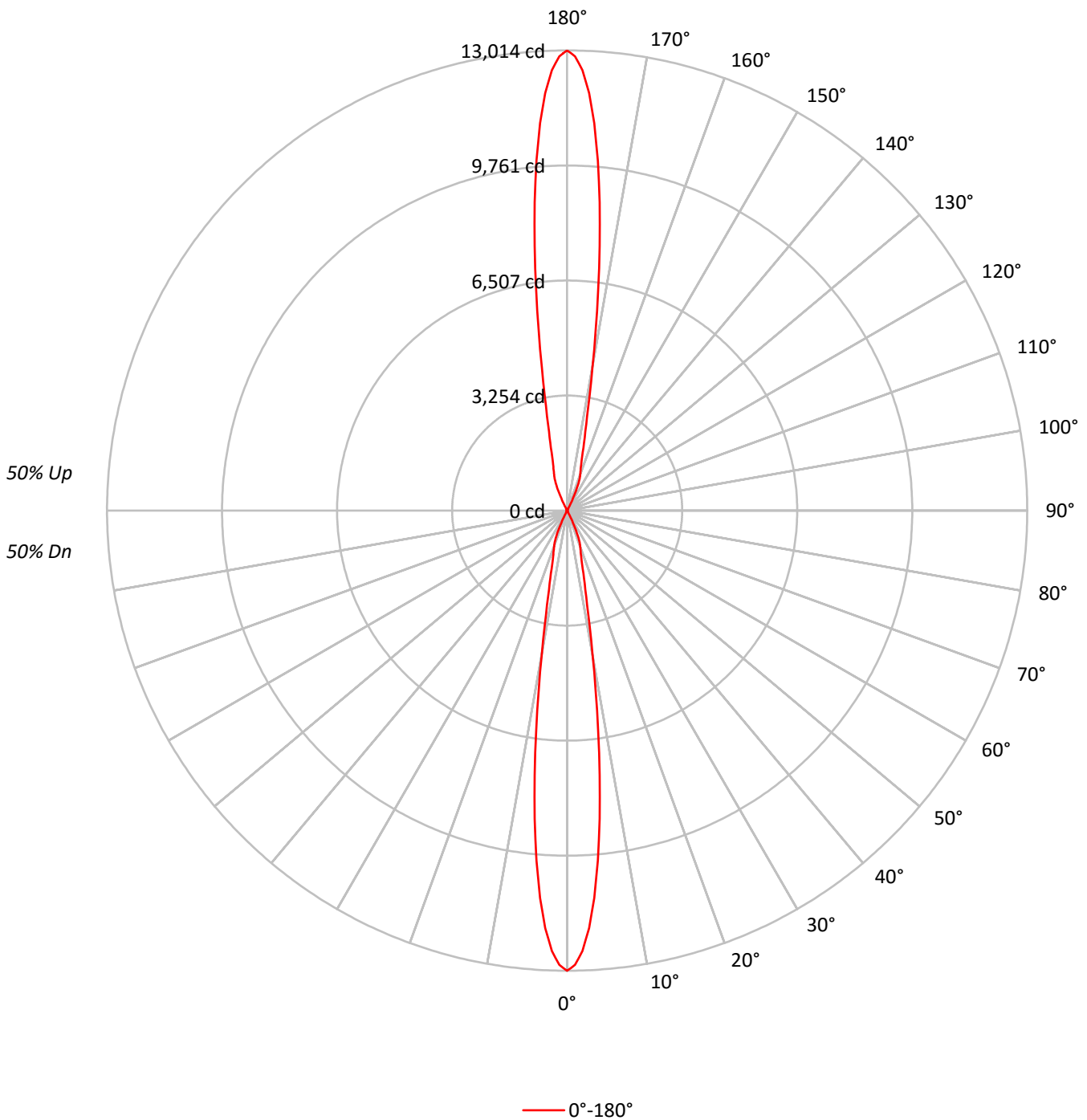
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	101	98	95	93	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	52		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	47	45	43
7	74	66	61	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	58	54	68	60	56	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	56	51	48	51	48	46		48	45	43		44	42	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2853719
5°	2186215
10°	917151
15°	387062
20°	251789
25°	110329
30°	14939
35°	5622
40°	4008
45°	3101
50°	2729
55°	2676
60°	2193
65°	1557
70°	641
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.7	24.6
10°-20°	521.3	17.2
20°-30°	214.9	7.1
30°-40°	17.0	0.6
40°-50°	8.1	0.3
50°-60°	5.9	0.2
60°-70°	3.0	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.7	0.0
110°-120°	3.0	0.1
120°-130°	5.9	0.2
130°-140°	8.1	0.3
140°-150°	17.0	0.6
150°-160°	214.9	7.1
160°-170°	521.3	17.2
170°-180°	747.7	24.6
0°-30°	1484.0	48.9
0°-40°	1500.9	49.4
0°-60°	1514.9	49.9
0°-90°	1518.3	50.0
90°-120°	3.6	0.1
90°-150°	34.6	1.1
90°-180°	1519.0	50.0
0°-180°	3036.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13014	
5°	9932	748
15°	1705	521
25°	456	215
35°	21	17
45°	10	8
55°	7	6
65°	3	3
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	1
115°	3	3
125°	7	6
135°	10	8
145°	21	17
155°	456	215
165°	1705	521
175°	9932	748
180°	13014	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13014
1°	12848
2°	12459
3°	11826
4°	10981
5°	9932
6°	8765
7°	7542
8°	6284
9°	5131
10°	4119
11°	3318
12°	2725
13°	2288
14°	1969
15°	1705
16°	1492
17°	1353
18°	1246
19°	1152
20°	1079
21°	1012
22°	910
23°	771
24°	613
25°	456
26°	317
27°	190
28°	106
29°	71
30°	59
32.5°	38
35°	21
37.5°	16
40°	14
42.5°	12
45°	10
47.5°	9
50°	8
52.5°	7
55°	7
57.5°	6
60°	5
62.5°	4
65°	3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	1
110°	1
112.5°	2
115°	3
117.5°	4
120°	5
122.5°	6
125°	7
127.5°	7
130°	8
132.5°	9
135°	10
137.5°	12
140°	14
142.5°	16
145°	21
147.5°	38
150°	59
151°	71
152°	106
153°	190
154°	317
155°	456
156°	613
157°	771
158°	910
159°	1012
160°	1079
161°	1152



TEST NUMBER: P221490

CATALOG NUMBER: 9003-W2-[RW, RI]-LED4080-S-BK-L2-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	1246
163°	1353
164°	1492
165°	1705
166°	1969
167°	2288
168°	2725
169°	3318
170°	4119
171°	5131
172°	6284
173°	7542
174°	8765
175°	9932
176°	10981
177°	11826
178°	12459
179°	12848
180°	13014

(END OF REPORT)