

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: P221288

Luminaire Tested: **9002-W2-[RW, RI]-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-[RW, RI]-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2113.5 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

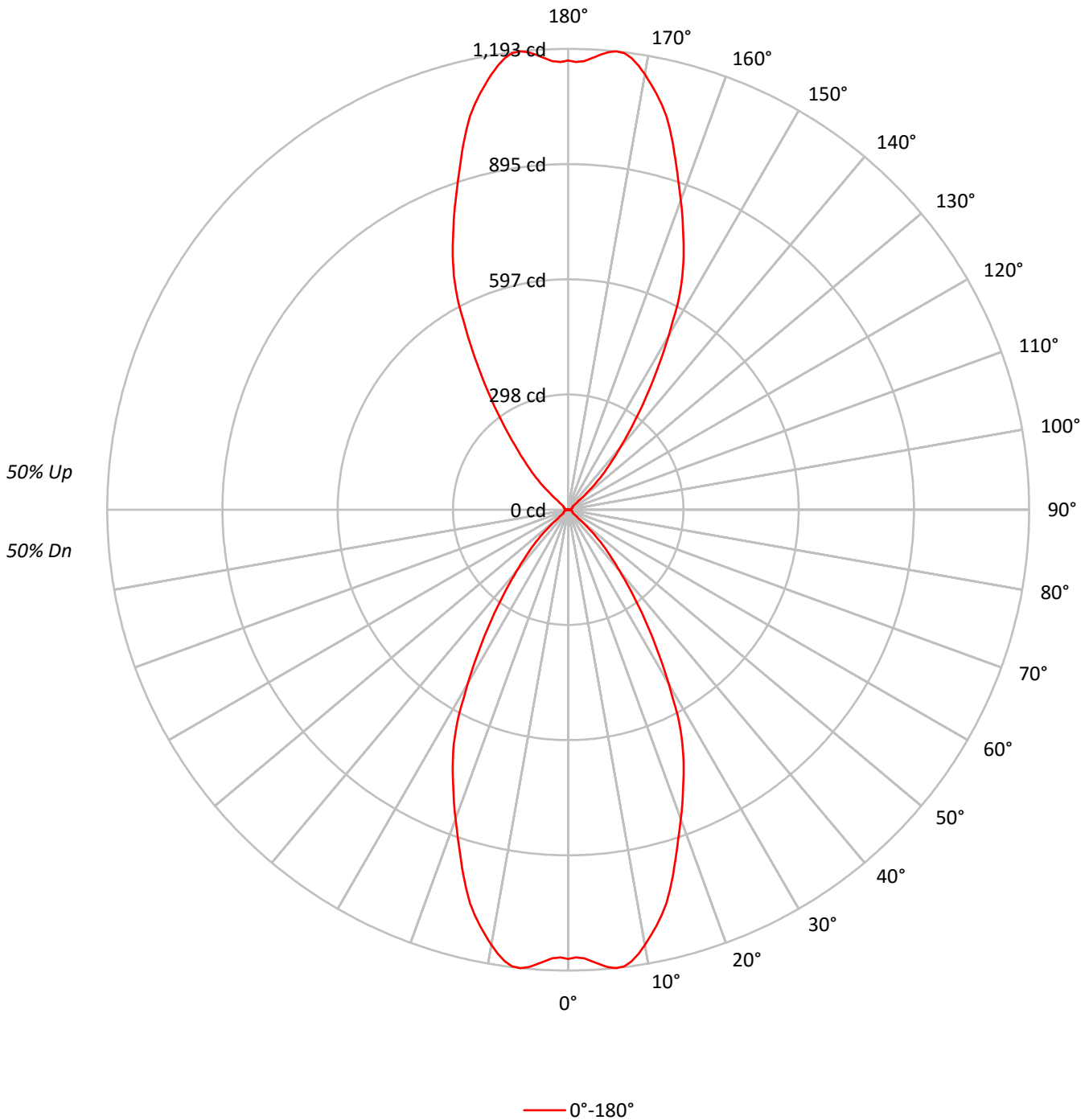
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83		69	69	69		56	56	56	50
1	100	96	93	90	92	89	87	84	76	74	73		64	63	62		53	52	51	46
2	93	87	82	78	86	81	77	73	70	67	64		59	57	55		50	48	47	43
3	87	79	73	68	80	74	69	65	64	60	57		55	52	50		46	45	43	40
4	81	72	66	61	75	67	62	58	59	55	52		51	48	46		44	42	40	37
5	75	66	59	54	70	62	56	52	54	50	47		47	44	42		41	39	37	34
6	71	61	54	49	66	57	51	47	50	46	43		44	41	38		39	36	34	32
7	66	56	49	44	62	53	47	43	47	42	39		41	38	36		36	34	32	30
8	62	52	45	41	58	49	43	39	44	39	36		39	35	33		34	32	30	28
9	59	48	42	37	55	46	40	36	41	36	33		37	33	31		32	30	28	26
10	55	45	39	34	52	43	37	33	38	34	31		34	31	29		31	28	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	573652
5°	588820
10°	573183
15°	520285
20°	447127
25°	383954
30°	296076
35°	206470
40°	133578
45°	82264
50°	25944
55°	13161
60°	12927
65°	14009
70°	14137
75°	16585
80°	15627
85°	18681



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	5.3
10°-20°	281.6	13.3
20°-30°	318.6	15.1
30°-40°	216.3	10.2
40°-50°	89.4	4.2
50°-60°	15.4	0.7
60°-70°	11.5	0.5
70°-80°	8.6	0.4
80°-90°	3.1	0.1
90°-100°	3.1	0.1
100°-110°	8.6	0.4
110°-120°	11.5	0.5
120°-130°	15.4	0.7
130°-140°	89.4	4.2
140°-150°	216.3	10.2
150°-160°	318.6	15.1
160°-170°	281.6	13.3
170°-180°	112.3	5.3
0°-30°	712.4	33.7
0°-40°	928.7	43.9
0°-60°	1033.5	48.9
0°-90°	1056.8	50.0
90°-120°	23.2	1.1
90°-150°	344.4	16.3
90°-180°	1057.0	50.0
0°-180°	2113.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1163	
5°	1189	112
15°	1019	282
25°	705	319
35°	343	216
45°	118	89
55°	15	15
65°	12	11
75°	9	9
85°	3	3
90°	0	0
95°	3	3
105°	9	9
115°	12	11
125°	15	15
135°	118	89
145°	343	216
155°	705	319
165°	1019	282
175°	1189	112
180°	1163	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1162.7
1°	1159.4
2°	1161.6
3°	1170.3
4°	1180.2
5°	1188.9
6°	1193.3
7°	1191.1
8°	1180.2
9°	1163.8
10°	1144.1
11°	1122.3
12°	1100.5
13°	1076.4
14°	1050.2
15°	1018.6
16°	983.7
17°	948.7
18°	914.9
19°	882.1
20°	851.6
21°	823.2
22°	792.6
23°	763.1
24°	734.7
25°	705.3
26°	674.7
27°	640.8
28°	603.7
29°	559.0
30°	519.7
32.5°	425.8
35°	342.8
37.5°	269.7
40°	207.4
42.5°	159.4
45°	117.9
47.5°	73.1
50°	33.8
52.5°	16.4
55°	15.3
57.5°	14.2
60°	13.1
62.5°	12.0
65°	12.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.9
70°	9.8
72.5°	8.7
75°	8.7
77.5°	7.6
80°	5.5
82.5°	4.4
85°	3.3
87.5°	1.1
90°	0.0
92.5°	1.1
95°	3.3
97.5°	4.4
100°	5.5
102.5°	7.6
105°	8.7
107.5°	8.7
110°	9.8
112.5°	10.9
115°	12.0
117.5°	12.0
120°	13.1
122.5°	14.2
125°	15.3
127.5°	16.4
130°	33.8
132.5°	73.1
135°	117.9
137.5°	159.4
140°	207.4
142.5°	269.7
145°	342.8
147.5°	425.8
150°	519.7
151°	559.0
152°	603.7
153°	640.8
154°	674.7
155°	705.3
156°	734.7
157°	763.1
158°	792.6
159°	823.2
160°	851.6
161°	882.1



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CANDELA DISTRIBUTION (continued):

	0°
162°	914.9
163°	948.7
164°	983.7
165°	1018.6
166°	1050.2
167°	1076.4
168°	1100.5
169°	1122.3
170°	1144.1
171°	1163.8
172°	1180.2
173°	1191.1
174°	1193.3
175°	1188.9
176°	1180.2
177°	1170.3
178°	1161.6
179°	1159.4
180°	1162.7

(END OF REPORT)