

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: P221272

Luminaire Tested: **9002-W2-[RW, RI]-LED4080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221272
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]-LED4080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1935.9 lumens
Efficiency: N/A
Efficacy: 96.8 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

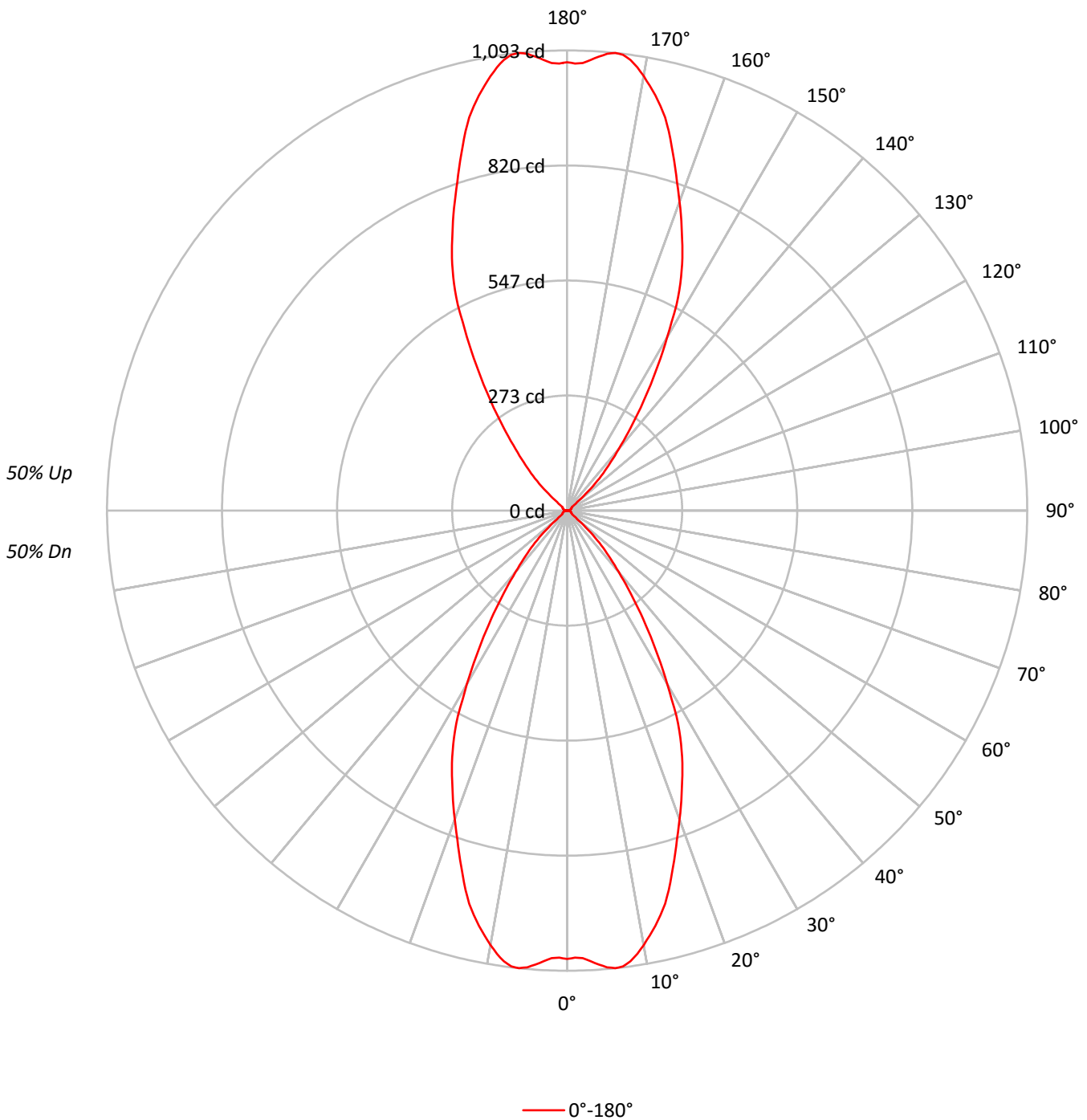
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	525449
5°	539343
10°	525038
15°	476562
20°	409534
25°	351672
30°	271180
35°	189124
40°	122372
45°	75356
50°	23794
55°	12043
60°	11841
65°	12842
70°	12983
75°	15250
80°	14206
85°	16983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	5.3
10°-20°	257.9	13.3
20°-30°	291.8	15.1
30°-40°	198.1	10.2
40°-50°	81.9	4.2
50°-60°	14.1	0.7
60°-70°	10.5	0.5
70°-80°	7.9	0.4
80°-90°	2.9	0.1
90°-100°	2.9	0.1
100°-110°	7.9	0.4
110°-120°	10.5	0.5
120°-130°	14.1	0.7
130°-140°	81.9	4.2
140°-150°	198.1	10.2
150°-160°	291.8	15.1
160°-170°	257.9	13.3
170°-180°	102.8	5.3
0°-30°	652.5	33.7
0°-40°	850.7	43.9
0°-60°	946.7	48.9
0°-90°	968.0	50.0
90°-120°	21.3	1.1
90°-150°	315.5	16.3
90°-180°	968.0	50.0
0°-180°	1935.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1065	
5°	1089	103
15°	933	258
25°	646	292
35°	314	198
45°	108	82
55°	14	14
65°	11	11
75°	8	8
85°	3	3
90°	0	0
95°	3	3
105°	8	8
115°	11	11
125°	14	14
135°	108	82
145°	314	198
155°	646	292
165°	933	258
175°	1089	103
180°	1065	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1065
1°	1062
2°	1064
3°	1072
4°	1081
5°	1089
6°	1093
7°	1091
8°	1081
9°	1066
10°	1048
11°	1028
12°	1008
13°	986
14°	962
15°	933
16°	901
17°	869
18°	838
19°	808
20°	780
21°	754
22°	726
23°	699
24°	673
25°	646
26°	618
27°	587
28°	553
29°	512
30°	476
32.5°	390
35°	314
37.5°	247
40°	190
42.5°	146
45°	108
47.5°	67
50°	31
52.5°	15
55°	14
57.5°	13
60°	12
62.5°	11
65°	11



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10
70°	9
72.5°	8
75°	8
77.5°	7
80°	5
82.5°	4
85°	3
87.5°	1
90°	0
92.5°	1
95°	3
97.5°	4
100°	5
102.5°	7
105°	8
107.5°	8
110°	9
112.5°	10
115°	11
117.5°	11
120°	12
122.5°	13
125°	14
127.5°	15
130°	31
132.5°	67
135°	108
137.5°	146
140°	190
142.5°	247
145°	314
147.5°	390
150°	476
151°	512
152°	553
153°	587
154°	618
155°	646
156°	673
157°	699
158°	726
159°	754
160°	780
161°	808



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CATALOG NUMBER: 9002-W2-[RW, RI]-LED4080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	0°
162°	838
163°	869
164°	901
165°	933
166°	962
167°	986
168°	1008
169°	1028
170°	1048
171°	1066
172°	1081
173°	1091
174°	1093
175°	1089
176°	1081
177°	1072
178°	1064
179°	1062
180°	1065

(END OF REPORT)