

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: P221287

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)
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-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1974.5 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

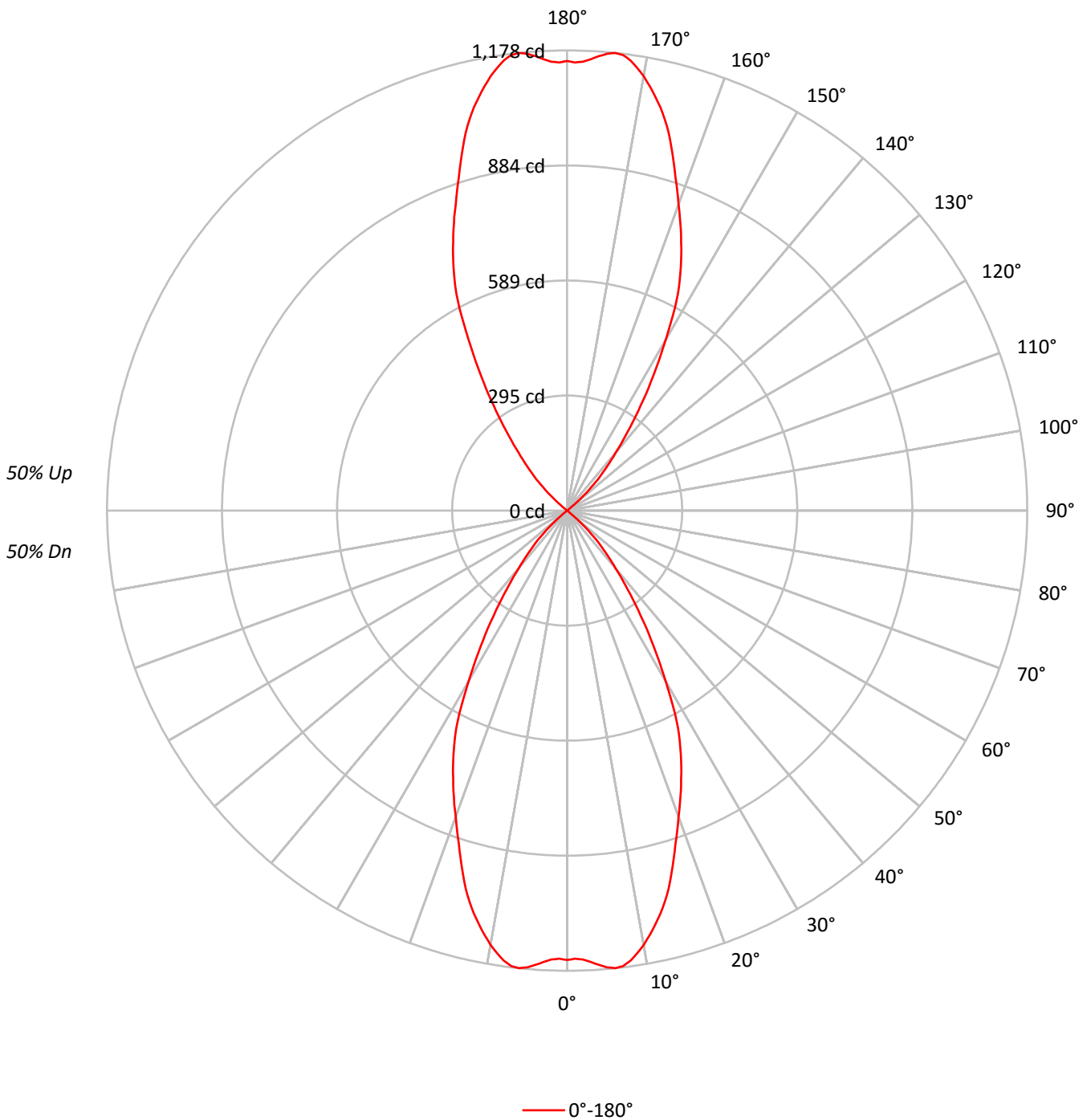
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P221287

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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	97	94	91	92	90	87	85	77	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	82	78	74	70	67	65		60	58	56		50	49	48	44
3	87	80	74	69	81	75	70	66	65	61	58		56	53	51		47	46	44	41
4	81	73	67	62	76	68	63	59	60	56	53		52	49	47		45	43	41	38
5	76	67	60	55	71	63	57	53	55	51	48		48	45	43		42	40	38	35
6	71	61	55	50	67	58	52	48	51	47	44		45	42	40		40	37	36	33
7	67	57	50	46	63	54	48	44	48	43	40		42	39	37		37	35	33	31
8	63	53	46	42	59	50	44	40	45	40	37		40	37	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	38	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	34	39	35	32		35	32	30		32	29	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	567732
5°	581242
10°	565568
15°	512470
20°	437939
25°	375026
30°	287360
35°	197255
40°	124433
45°	72356
50°	15121
55°	946
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	5.6
10°-20°	276.9	14.0
20°-30°	311.1	15.8
30°-40°	207.0	10.5
40°-50°	78.4	4.0
50°-60°	3.1	0.2
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	3.1	0.2
130°-140°	78.4	4.0
140°-150°	207.0	10.5
150°-160°	311.1	15.8
160°-170°	276.9	14.0
170°-180°	110.8	5.6
0°-30°	698.8	35.4
0°-40°	905.8	45.9
0°-60°	987.3	50.0
0°-90°	987.3	50.0
90°-120°	0.0	0.0
90°-150°	288.5	14.6
90°-180°	987.0	50.0
0°-180°	1974.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1151	
5°	1174	111
15°	1003	277
25°	689	311
35°	328	207
45°	104	78
55°	1	3
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	3
135°	104	78
145°	328	207
155°	689	311
165°	1003	277
175°	1174	111
180°	1151	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1150.7
1°	1147.4
2°	1149.6
3°	1157.2
4°	1166.0
5°	1173.6
6°	1178.0
7°	1174.7
8°	1163.8
9°	1147.4
10°	1128.9
11°	1107.0
12°	1084.1
13°	1060.1
14°	1032.8
15°	1003.3
16°	968.4
17°	932.3
18°	897.4
19°	865.8
20°	834.1
21°	805.7
22°	776.2
23°	746.8
24°	718.4
25°	688.9
26°	658.3
27°	624.5
28°	587.4
29°	544.8
30°	504.4
32.5°	411.6
35°	327.5
37.5°	254.4
40°	193.2
42.5°	145.2
45°	103.7
47.5°	59.0
50°	19.7
52.5°	2.2
55°	1.1
57.5°	1.1
60°	0.0
62.5°	0.0
65°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	1.1
125°	1.1
127.5°	2.2
130°	19.7
132.5°	59.0
135°	103.7
137.5°	145.2
140°	193.2
142.5°	254.4
145°	327.5
147.5°	411.6
150°	504.4
151°	544.8
152°	587.4
153°	624.5
154°	658.3
155°	688.9
156°	718.4
157°	746.8
158°	776.2
159°	805.7
160°	834.1
161°	865.8



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CANDELA DISTRIBUTION (continued):

	0°
162°	897.4
163°	932.3
164°	968.4
165°	1003.3
166°	1032.8
167°	1060.1
168°	1084.1
169°	1107.0
170°	1128.9
171°	1147.4
172°	1163.8
173°	1174.7
174°	1178.0
175°	1173.6
176°	1166.0
177°	1157.2
178°	1149.6
179°	1147.4
180°	1150.7

(END OF REPORT)