

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: P221525

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-W-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29475)
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]-LED5080-W-BK-L1-UNV
Description: LUMIERE LANTERRA 9003 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: 1541.7 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

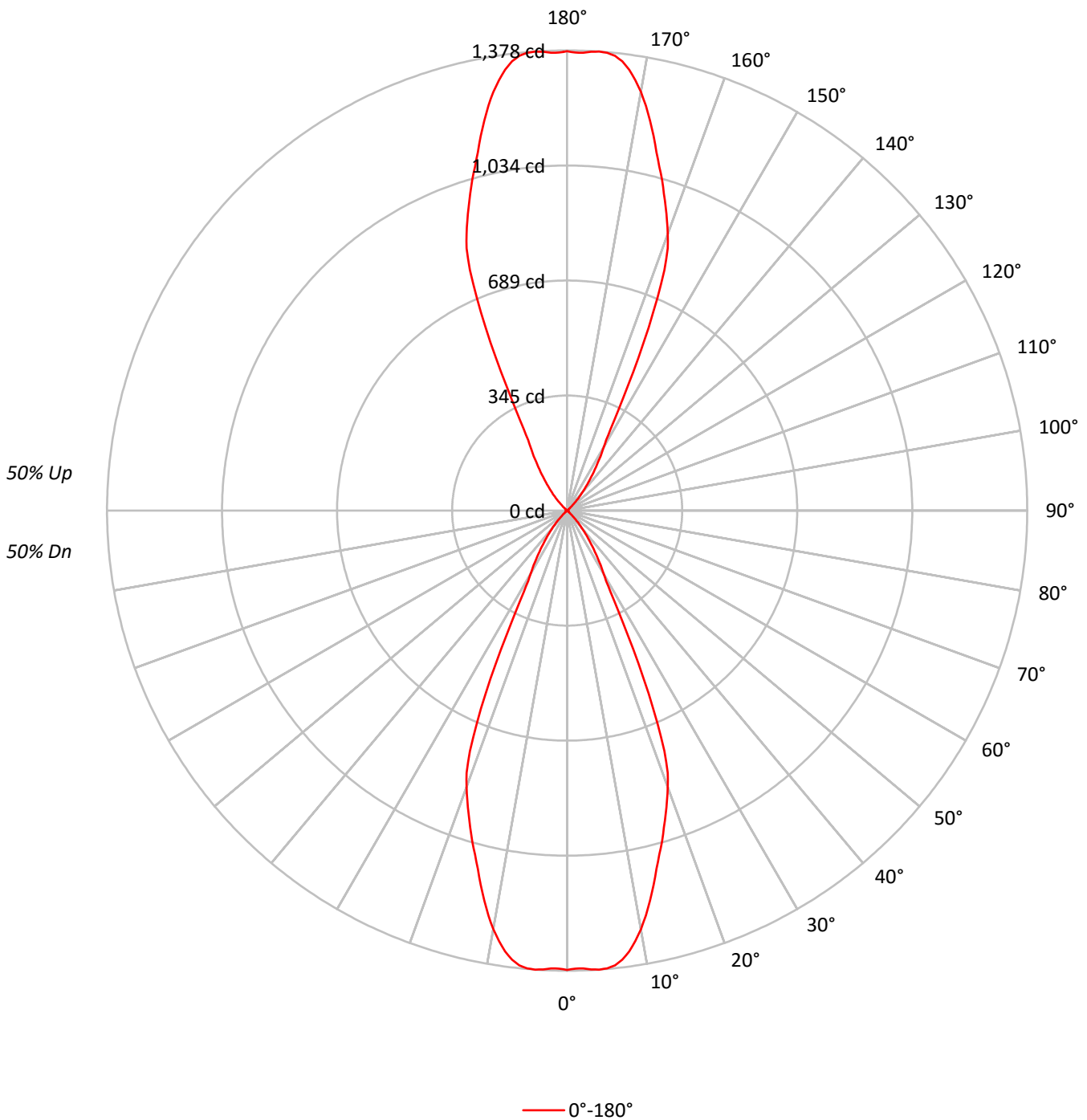
Input Watts (W): 19.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	94	92	93	90	88	85	77	75	74		65	64	63		54	53	53	47
2	94	88	84	80	87	82	79	75	71	69	66		61	59	57		51	50	49	45
3	88	81	76	71	82	76	71	67	66	63	60		57	55	53		49	47	46	42
4	83	75	69	64	77	70	65	61	62	58	55		54	51	49		46	45	43	40
5	78	69	63	58	73	65	60	56	58	54	51		51	48	46		44	42	41	38
6	73	64	58	53	69	61	55	51	54	50	47		48	45	43		42	40	39	36
7	69	60	53	49	65	57	51	47	51	47	44		45	42	40		40	38	37	34
8	66	56	50	46	62	53	48	44	48	44	41		43	40	38		39	36	35	33
9	62	53	47	42	59	50	45	41	45	41	38		41	38	36		37	35	33	31
10	59	49	44	40	56	47	42	39	43	39	36		39	36	34		35	33	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	301664
5°	302927
10°	283361
15°	242090
20°	205725
25°	122257
30°	55629
35°	35282
40°	20009
45°	7350
50°	2320
55°	1720
60°	1491
65°	882
70°	385
75°	508
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	8.3
10°-20°	298.0	19.3
20°-30°	231.4	15.0
30°-40°	84.3	5.5
40°-50°	22.3	1.4
50°-60°	4.1	0.3
60°-70°	1.9	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.6	0.0
110°-120°	1.9	0.1
120°-130°	4.1	0.3
130°-140°	22.3	1.4
140°-150°	84.3	5.5
150°-160°	231.4	15.0
160°-170°	298.0	19.3
170°-180°	128.2	8.3
0°-30°	657.6	42.7
0°-40°	741.9	48.1
0°-60°	768.4	49.8
0°-90°	770.9	50.0
90°-120°	2.5	0.2
90°-150°	113.3	7.3
90°-180°	771.0	50.0
0°-180°	1541.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1376	
5°	1376	128
15°	1066	298
25°	505	231
35°	132	84
45°	24	22
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	2	2
125°	4	4
135°	24	22
145°	132	84
155°	505	231
165°	1066	298
175°	1376	128
180°	1376	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1375.7
1°	1371.7
2°	1371.7
3°	1375.7
4°	1377.9
5°	1376.2
6°	1369.5
7°	1355.4
8°	1333.4
9°	1304.7
10°	1272.6
11°	1235.4
12°	1194.3
13°	1150.9
14°	1106.4
15°	1066.4
16°	1030.3
17°	992.0
18°	955.4
19°	918.2
20°	881.6
21°	841.1
22°	776.8
23°	692.3
24°	600.5
25°	505.3
26°	415.7
27°	335.7
28°	275.5
29°	241.1
30°	219.7
32.5°	172.9
35°	131.8
37.5°	99.1
40°	69.9
42.5°	46.2
45°	23.7
47.5°	10.7
50°	6.8
52.5°	5.1
55°	4.5
57.5°	3.9
60°	3.4
62.5°	2.3
65°	1.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.7
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
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°	0.6
105°	0.6
107.5°	0.6
110°	0.6
112.5°	1.7
115°	1.7
117.5°	2.3
120°	3.4
122.5°	3.9
125°	4.5
127.5°	5.1
130°	6.8
132.5°	10.7
135°	23.7
137.5°	46.2
140°	69.9
142.5°	99.1
145°	131.8
147.5°	172.9
150°	219.7
151°	241.1
152°	275.5
153°	335.7
154°	415.7
155°	505.3
156°	600.5
157°	692.3
158°	776.8
159°	841.1
160°	881.6
161°	918.2



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CANDELA DISTRIBUTION (continued):

	0°
162°	955.4
163°	992.0
164°	1030.3
165°	1066.4
166°	1106.4
167°	1150.9
168°	1194.3
169°	1235.4
170°	1272.6
171°	1304.7
172°	1333.4
173°	1355.4
174°	1369.5
175°	1376.2
176°	1377.9
177°	1375.7
178°	1371.7
179°	1371.7
180°	1375.7

(END OF REPORT)