

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: P221528

Luminaire Tested: **9003-W2-[RW, RI]-LED5080-W-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
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-WT-L2-UNV
Description: LUMIERE LANTERRA 9003 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: 3535.6 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: General Diffuse

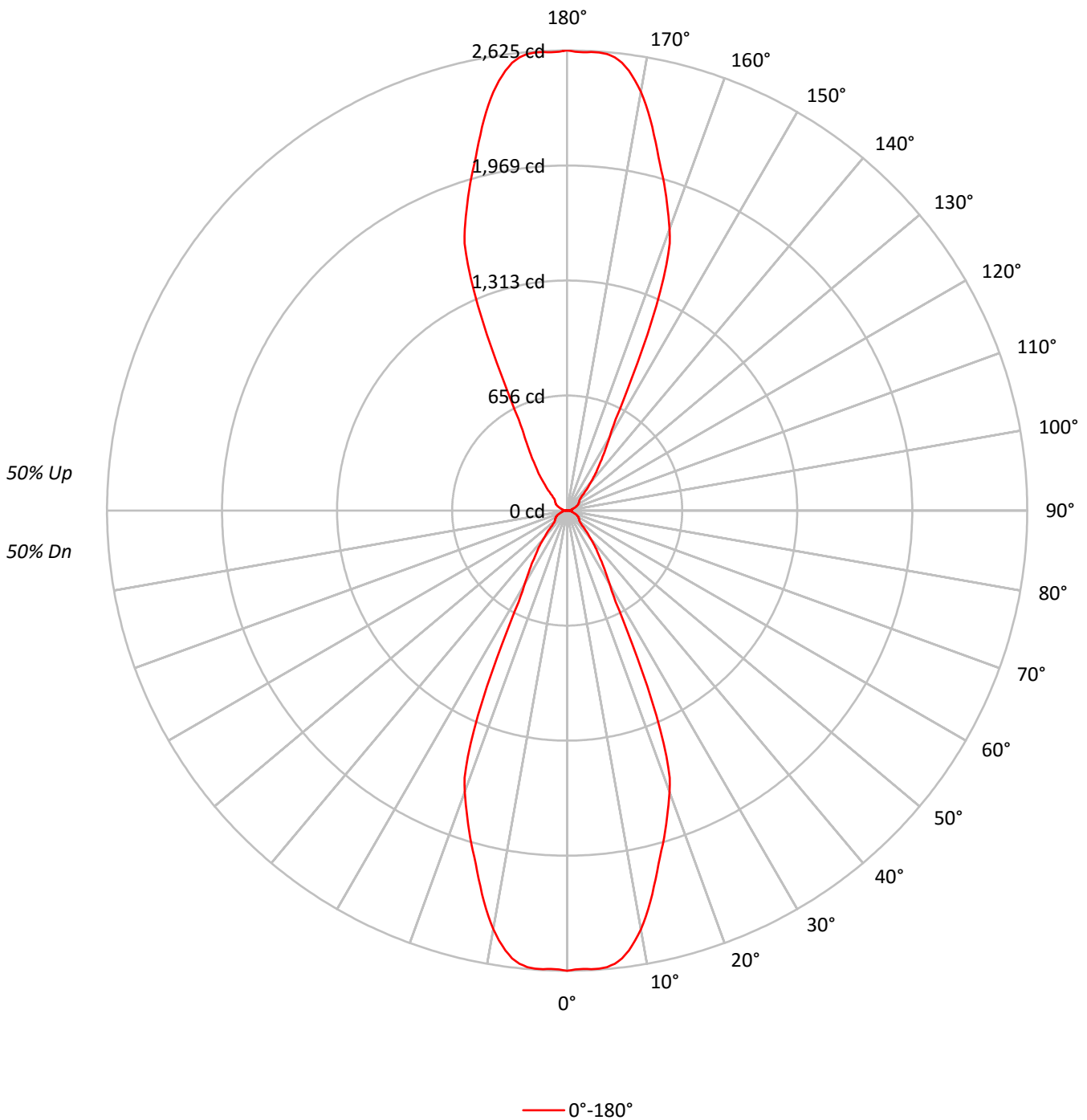
Input Watts (W): 40.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	96	93	90	92	89	86	84	76	74	72		64	63	61		53	52	51	46
2	93	87	82	78	86	81	76	73	69	66	64		59	57	55		49	48	47	42
3	86	79	73	68	80	73	68	64	64	60	57		55	52	50		46	44	43	39
4	81	72	65	60	75	67	62	57	59	55	51		51	48	46		43	42	40	37
5	76	66	59	54	70	62	56	52	55	50	47		48	44	42		41	39	37	34
6	71	61	54	49	66	57	51	47	51	46	43		45	41	39		39	37	35	32
7	67	56	50	45	62	53	47	43	47	43	40		42	39	36		37	34	33	30
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	43	38	56	47	41	37	42	37	34		38	34	32		33	31	29	27
10	56	46	40	36	53	44	38	35	40	35	32		36	32	30		32	29	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	575634
5°	575323
10°	539870
15°	464361
20°	398778
25°	245555
30°	122576
35°	85929
40°	59769
45°	38330
50°	31180
55°	31769
60°	32366
65°	31287
70°	27953
75°	26434
80°	28918
85°	28682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.7	6.9
10°-20°	572.4	16.2
20°-30°	464.6	13.1
30°-40°	205.4	5.8
40°-50°	103.0	2.9
50°-60°	74.1	2.1
60°-70°	58.7	1.7
70°-80°	33.4	0.9
80°-90°	12.4	0.4
90°-100°	12.4	0.4
100°-110°	33.4	0.9
110°-120°	58.7	1.7
120°-130°	74.1	2.1
130°-140°	103.0	2.9
140°-150°	205.4	5.8
150°-160°	464.6	13.1
160°-170°	572.4	16.2
170°-180°	243.7	6.9
0°-30°	1280.7	36.2
0°-40°	1486.1	42.0
0°-60°	1663.2	47.0
0°-90°	1767.8	50.0
90°-120°	104.6	3.0
90°-150°	487.1	13.8
90°-180°	1768.0	50.0
0°-180°	3535.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2625	
5°	2614	244
15°	2046	572
25°	1015	465
35°	321	205
45°	124	103
55°	83	74
65°	60	59
75°	31	33
85°	11	12
90°	0	1
95°	11	12
105°	31	33
115°	60	59
125°	83	74
135°	124	103
145°	321	205
155°	1015	465
165°	2046	572
175°	2614	244
180°	2625	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2625.1
1°	2617.9
2°	2615.8
3°	2619.9
4°	2619.9
5°	2613.7
6°	2600.2
7°	2573.2
8°	2533.7
9°	2482.8
10°	2424.6
11°	2357.1
12°	2282.3
13°	2201.3
14°	2121.3
15°	2045.5
16°	1980.0
17°	1911.5
18°	1842.9
19°	1774.3
20°	1708.9
21°	1633.1
22°	1513.6
23°	1359.8
24°	1191.5
25°	1014.9
26°	848.7
27°	701.2
28°	589.0
29°	524.6
30°	484.1
32.5°	396.8
35°	321.0
37.5°	264.9
40°	208.8
42.5°	165.2
45°	123.6
47.5°	99.7
50°	91.4
52.5°	87.3
55°	83.1
57.5°	77.9
60°	73.8
62.5°	67.5
65°	60.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	50.9
70°	43.6
72.5°	35.3
75°	31.2
77.5°	27.0
80°	22.9
82.5°	17.7
85°	11.4
87.5°	5.2
90°	0.0
92.5°	5.2
95°	11.4
97.5°	17.7
100°	22.9
102.5°	27.0
105°	31.2
107.5°	35.3
110°	43.6
112.5°	50.9
115°	60.3
117.5°	67.5
120°	73.8
122.5°	77.9
125°	83.1
127.5°	87.3
130°	91.4
132.5°	99.7
135°	123.6
137.5°	165.2
140°	208.8
142.5°	264.9
145°	321.0
147.5°	396.8
150°	484.1
151°	524.6
152°	589.0
153°	701.2
154°	848.7
155°	1014.9
156°	1191.5
157°	1359.8
158°	1513.6
159°	1633.1
160°	1708.9
161°	1774.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	1842.9
163°	1911.5
164°	1980.0
165°	2045.5
166°	2121.3
167°	2201.3
168°	2282.3
169°	2357.1
170°	2424.6
171°	2482.8
172°	2533.7
173°	2573.2
174°	2600.2
175°	2613.7
176°	2619.9
177°	2619.9
178°	2615.8
179°	2617.9
180°	2625.1

(END OF REPORT)