

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: P221744

Luminaire Tested: **9004-W2-[RW, RI]-LED2790-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-[RW, RI]-LED2790-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3919.6 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

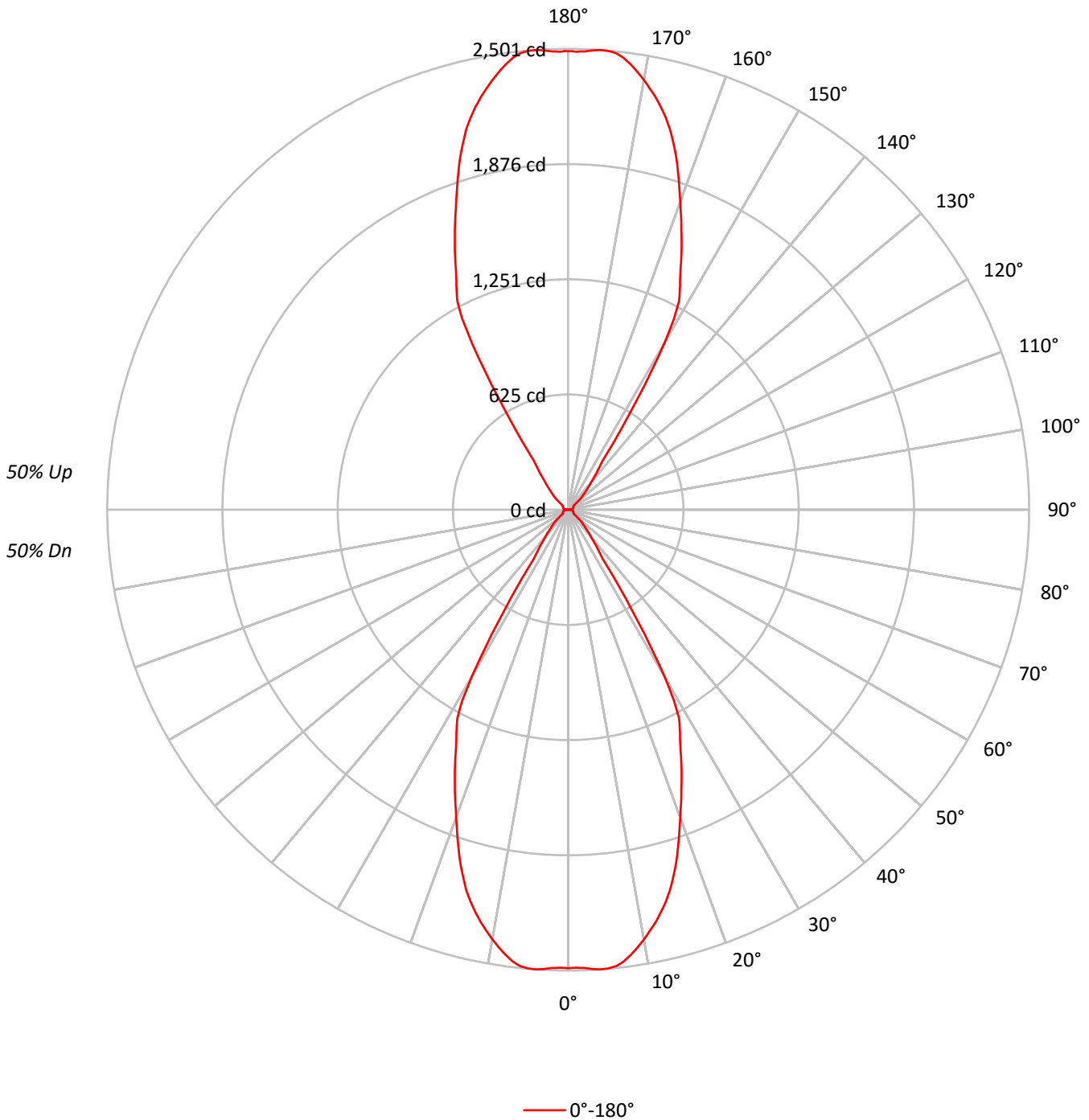
Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	56		50	48	47	43
3	87	79	73	69	80	74	69	65	64	61	58		55	53	51		47	45	44	40
4	81	72	66	61	75	68	62	58	59	55	52		51	49	46		44	42	41	37
5	76	67	60	55	71	63	57	53	55	51	48		48	45	43		42	40	38	35
6	71	61	55	50	66	58	52	48	51	47	44		45	42	39		39	37	35	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	60	49	43	39	56	47	41	37	42	38	35		38	34	32		34	31	29	28
10	56	46	40	36	53	44	38	35	40	35	32		36	32	30		32	30	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	306995
5°	309480
10°	296513
15°	272837
20°	233213
25°	196320
30°	148395
35°	49299
40°	31334
45°	21316
50°	12454
55°	7462
60°	8190
65°	9018
70°	10350
75°	12581
80°	14988
85°	15001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	6.0
10°-20°	589.3	15.0
20°-30°	660.0	16.8
30°-40°	276.0	7.0
40°-50°	95.8	2.4
50°-60°	34.8	0.9
60°-70°	30.7	0.8
70°-80°	27.3	0.7
80°-90°	11.5	0.3
90°-100°	11.5	0.3
100°-110°	27.3	0.7
110°-120°	30.7	0.8
120°-130°	34.8	0.9
130°-140°	95.8	2.4
140°-150°	276.0	7.0
150°-160°	660.0	16.8
160°-170°	589.3	15.0
170°-180°	234.3	6.0
0°-30°	1483.6	37.9
0°-40°	1759.7	44.9
0°-60°	1890.3	48.2
0°-90°	1959.8	50.0
90°-120°	69.4	1.8
90°-150°	476.1	12.1
90°-180°	1960.0	50.0
0°-180°	3919.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2489	
5°	2500	234
15°	2137	589
25°	1442	660
35°	327	276
45°	122	96
55°	35	35
65°	31	31
75°	26	27
85°	11	11
90°	0	1
95°	11	11
105°	26	27
115°	31	31
125°	35	35
135°	122	96
145°	327	276
155°	1442	660
165°	2137	589
175°	2500	234
180°	2489	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2488.9
1°	2486.6
2°	2488.9
3°	2496.4
4°	2501.0
5°	2499.5
6°	2490.4
7°	2470.8
8°	2439.9
9°	2405.1
10°	2367.4
11°	2327.4
12°	2286.7
13°	2240.7
14°	2191.6
15°	2136.6
16°	2070.9
17°	2002.3
18°	1928.3
19°	1851.4
20°	1776.7
21°	1707.3
22°	1640.1
23°	1573.8
24°	1508.9
25°	1442.5
26°	1384.4
27°	1333.1
28°	1280.3
29°	1183.7
30°	1041.9
32.5°	624.7
35°	327.4
37.5°	250.5
40°	194.6
42.5°	151.6
45°	122.2
47.5°	98.1
50°	64.9
52.5°	38.5
55°	34.7
57.5°	33.9
60°	33.2
62.5°	32.4
65°	30.9

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	29.4
70°	28.7
72.5°	27.9
75°	26.4
77.5°	24.1
80°	21.1
82.5°	16.6
85°	10.6
87.5°	4.5
90°	0.0
92.5°	4.5
95°	10.6
97.5°	16.6
100°	21.1
102.5°	24.1
105°	26.4
107.5°	27.9
110°	28.7
112.5°	29.4
115°	30.9
117.5°	32.4
120°	33.2
122.5°	33.9
125°	34.7
127.5°	38.5
130°	64.9
132.5°	98.1
135°	122.2
137.5°	151.6
140°	194.6
142.5°	250.5
145°	327.4
147.5°	624.7
150°	1041.9
151°	1183.7
152°	1280.3
153°	1333.1
154°	1384.4
155°	1442.5
156°	1508.9
157°	1573.8
158°	1640.1
159°	1707.3
160°	1776.7
161°	1851.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1928.3
163°	2002.3
164°	2070.9
165°	2136.6
166°	2191.6
167°	2240.7
168°	2286.7
169°	2327.4
170°	2367.4
171°	2405.1
172°	2439.9
173°	2470.8
174°	2490.4
175°	2499.5
176°	2501.0
177°	2496.4
178°	2488.9
179°	2486.6
180°	2488.9

(END OF REPORT)