

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: P221768

Luminaire Tested: **9004-W2-[RW, RI]-LED2797-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221768
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]-LED2797-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3633.1 lumens
Efficiency: N/A
Efficacy: 63.7 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

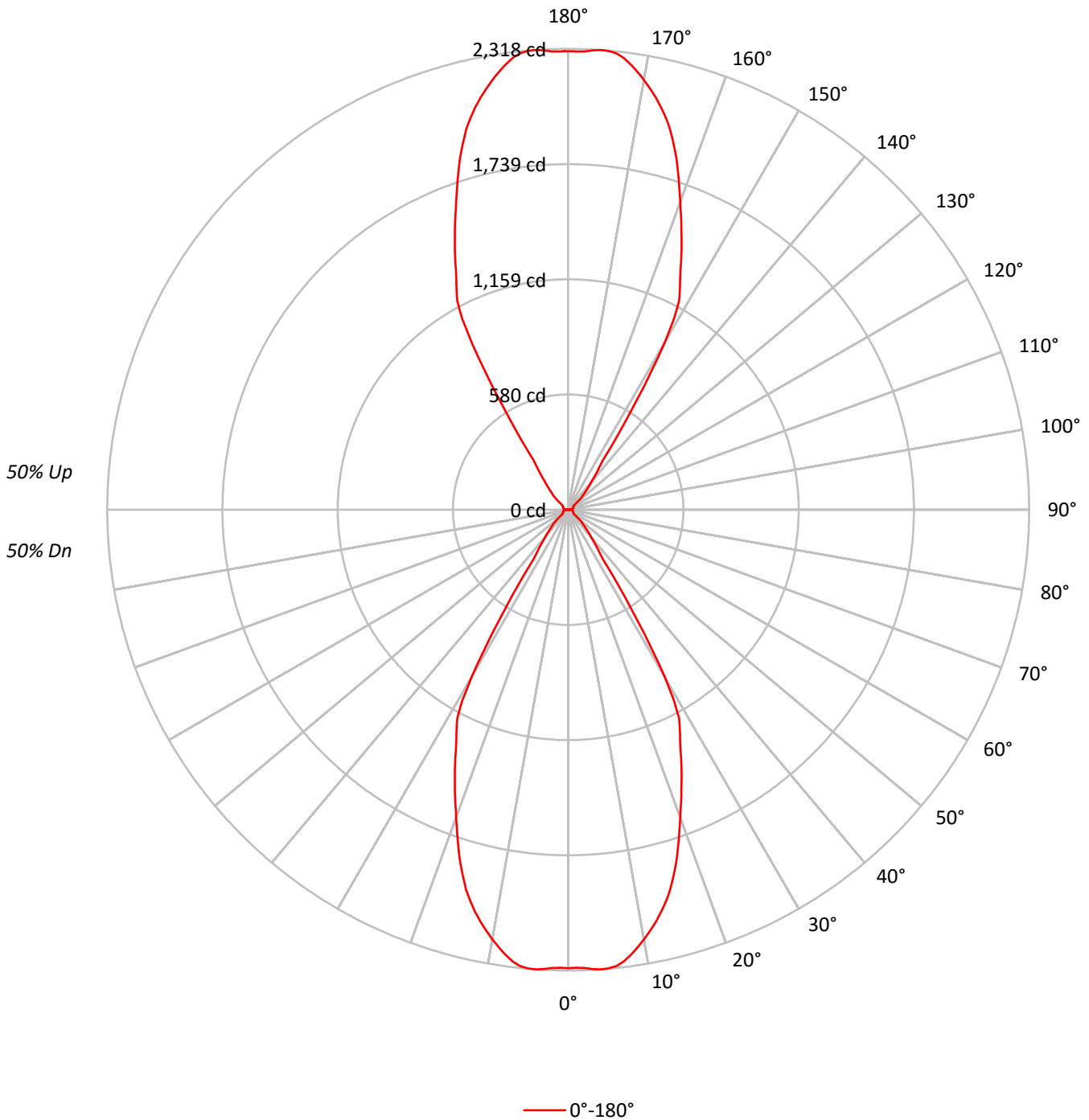
Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	52	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°	284534
5°	286834
10°	274820
15°	252878
20°	216149
25°	181961
30°	137542
35°	45700
40°	29047
45°	19764
50°	11533
55°	6924
60°	7598
65°	8376
70°	9593
75°	11676
80°	13922
85°	13869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	6.0
10°-20°	546.2	15.0
20°-30°	611.8	16.8
30°-40°	255.9	7.0
40°-50°	88.8	2.4
50°-60°	32.3	0.9
60°-70°	28.5	0.8
70°-80°	25.3	0.7
80°-90°	10.7	0.3
90°-100°	10.7	0.3
100°-110°	25.3	0.7
110°-120°	28.5	0.8
120°-130°	32.3	0.9
130°-140°	88.8	2.4
140°-150°	255.9	7.0
150°-160°	611.8	16.8
160°-170°	546.2	15.0
170°-180°	217.2	6.0
0°-30°	1375.1	37.8
0°-40°	1631.0	44.9
0°-60°	1752.1	48.2
0°-90°	1816.6	50.0
90°-120°	64.5	1.8
90°-150°	441.5	12.2
90°-180°	1817.0	50.0
0°-180°	3633.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2307	
5°	2317	217
15°	1980	546
25°	1337	612
35°	304	256
45°	113	89
55°	32	32
65°	29	28
75°	24	25
85°	10	10
90°	0	1
95°	10	10
105°	24	25
115°	29	28
125°	32	32
135°	113	89
145°	304	256
155°	1337	612
165°	1980	546
175°	2317	217
180°	2307	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2306.8
1°	2304.7
2°	2306.8
3°	2313.8
4°	2318.0
5°	2316.6
6°	2308.2
7°	2290.0
8°	2261.4
9°	2229.2
10°	2194.2
11°	2157.2
12°	2119.4
13°	2076.8
14°	2031.3
15°	1980.3
16°	1919.4
17°	1855.8
18°	1787.3
19°	1716.0
20°	1646.7
21°	1582.4
22°	1520.2
23°	1458.6
24°	1398.5
25°	1337.0
26°	1283.1
27°	1235.6
28°	1186.6
29°	1097.1
30°	965.7
32.5°	579.0
35°	303.5
37.5°	232.2
40°	180.4
42.5°	140.5
45°	113.3
47.5°	90.9
50°	60.1
52.5°	35.7
55°	32.2
57.5°	31.5
60°	30.8
62.5°	30.1
65°	28.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	27.3
70°	26.6
72.5°	25.9
75°	24.5
77.5°	22.4
80°	19.6
82.5°	15.4
85°	9.8
87.5°	4.2
90°	0.0
92.5°	4.2
95°	9.8
97.5°	15.4
100°	19.6
102.5°	22.4
105°	24.5
107.5°	25.9
110°	26.6
112.5°	27.3
115°	28.7
117.5°	30.1
120°	30.8
122.5°	31.5
125°	32.2
127.5°	35.7
130°	60.1
132.5°	90.9
135°	113.3
137.5°	140.5
140°	180.4
142.5°	232.2
145°	303.5
147.5°	579.0
150°	965.7
151°	1097.1
152°	1186.6
153°	1235.6
154°	1283.1
155°	1337.0
156°	1398.5
157°	1458.6
158°	1520.2
159°	1582.4
160°	1646.7
161°	1716.0



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CANDELA DISTRIBUTION (continued):

	0°
162°	1787.3
163°	1855.8
164°	1919.4
165°	1980.3
166°	2031.3
167°	2076.8
168°	2119.4
169°	2157.2
170°	2194.2
171°	2229.2
172°	2261.4
173°	2290.0
174°	2308.2
175°	2316.6
176°	2318.0
177°	2313.8
178°	2306.8
179°	2304.7
180°	2306.8

(END OF REPORT)