

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: P221762

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P221762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29487)  
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-S-WT-L3-UNV  
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.  
Light Source: (1) 2700K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3694.0 lumens  
Efficiency: N/A  
Efficacy: 64.6 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: General Diffuse

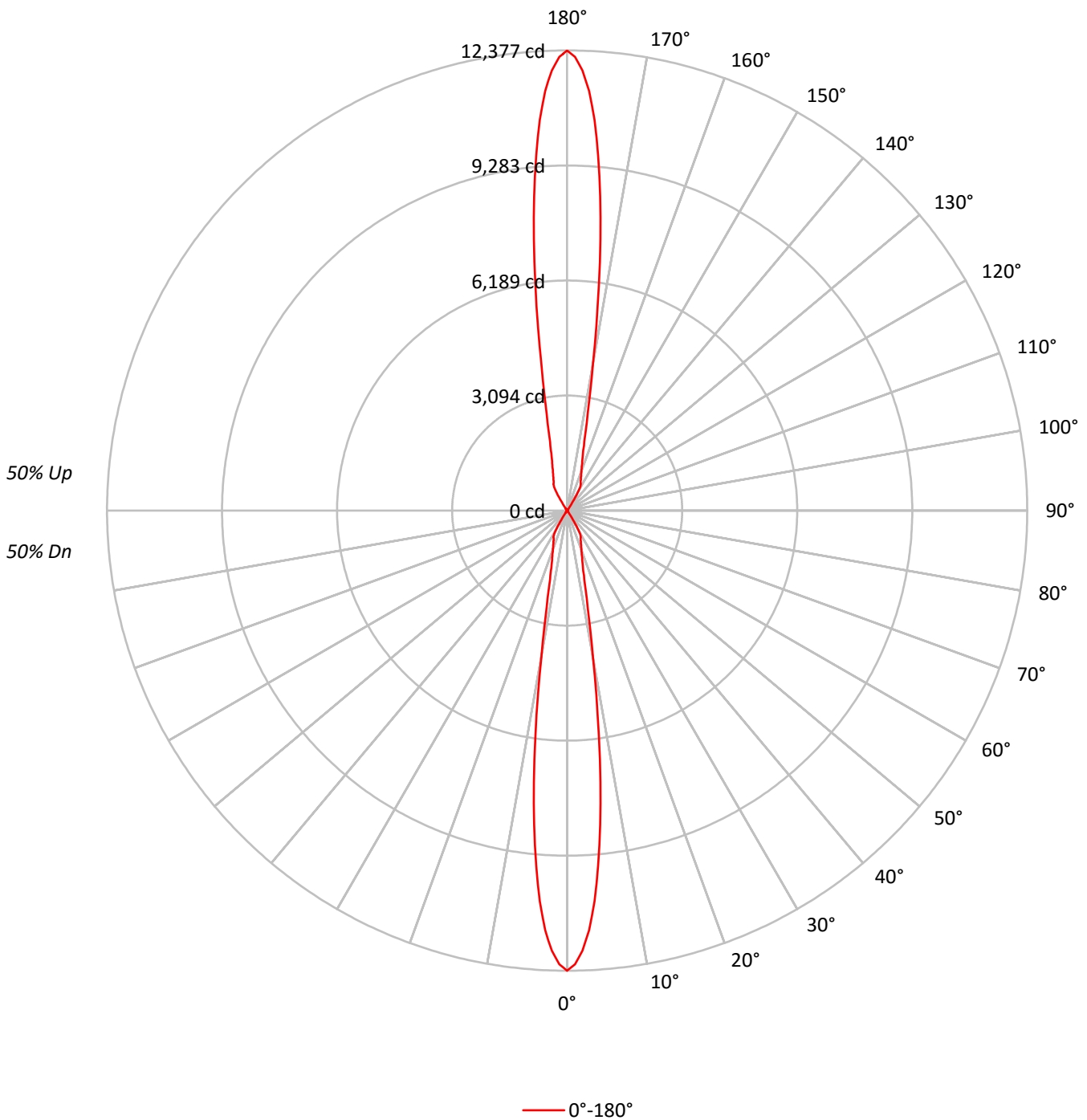
Input Watts (W): 57.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	77	75	74		65	64	63		54	53	53	48
2	94	89	85	81	87	83	79	76	72	69	67		61	60	58		52	51	50	46
3	89	82	77	72	83	77	72	69	67	64	61		58	56	54		50	48	47	44
4	84	76	70	66	78	72	67	63	63	60	57		55	53	51		48	46	45	42
5	79	71	65	61	74	67	62	58	60	56	53		53	50	48		46	45	43	41
6	75	67	61	56	71	63	58	54	57	53	50		50	48	46		45	43	42	39
7	72	63	57	53	67	60	54	51	54	50	47		48	46	44		43	42	40	38
8	68	59	54	50	65	57	52	48	51	48	45		47	44	42		42	40	39	37
9	66	56	51	47	62	54	49	46	49	46	43		45	42	40		41	39	38	36
10	63	54	48	45	59	52	47	43	47	44	41		43	41	39		40	38	36	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1526612
5°	1186301
10°	502710
15°	214926
20°	146764
25°	116962
30°	87436
35°	11579
40°	6199
45°	4518
50°	4836
55°	5269
60°	5871
65°	6742
70°	7826
75°	9341
80°	10939
85°	10897



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	723.0	19.6
10°-20°	518.1	14.0
20°-30°	399.8	10.8
30°-40°	110.8	3.0
40°-50°	21.5	0.6
50°-60°	22.0	0.6
60°-70°	22.8	0.6
70°-80°	20.4	0.6
80°-90°	8.6	0.2
90°-100°	8.6	0.2
100°-110°	20.4	0.6
110°-120°	22.8	0.6
120°-130°	22.0	0.6
130°-140°	21.5	0.6
140°-150°	110.8	3.0
150°-160°	399.8	10.8
160°-170°	518.1	14.0
170°-180°	723.0	19.6
0°-30°	1640.9	44.4
0°-40°	1751.7	47.4
0°-60°	1795.2	48.6
0°-90°	1847.0	50.0
90°-120°	51.8	1.4
90°-150°	206.1	5.6
90°-180°	1847.0	50.0
0°-180°	3694.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12377	
5°	9581	723
15°	1683	518
25°	859	400
35°	77	111
45°	26	22
55°	24	22
65°	23	23
75°	20	20
85°	8	8
90°	0	1
95°	8	8
105°	20	20
115°	23	23
125°	24	22
135°	26	22
145°	77	111
155°	859	400
165°	1683	518
175°	9581	723
180°	12377	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12376.7
1°	12203.3
2°	11843.9
3°	11297.7
4°	10538.4
5°	9581.1
6°	8500.1
7°	7358.9
8°	6123.3
9°	5003.1
10°	4013.7
11°	3234.0
12°	2642.5
13°	2214.5
14°	1911.7
15°	1683.1
16°	1513.2
17°	1385.9
18°	1285.9
19°	1198.5
20°	1118.1
22.5°	968.5
25°	859.4
26°	831.4
27°	807.6
28°	779.0
29°	716.7
30°	613.9
32.5°	295.1
35°	76.9
37.5°	49.6
40°	38.5
42.5°	28.7
45°	25.9
47.5°	25.2
50°	25.2
52.5°	24.5
55°	24.5
57.5°	24.5
60°	23.8
62.5°	23.8
65°	23.1
67.5°	22.4
70°	21.7
72.5°	21.0



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	19.6
77.5°	18.2
80°	15.4
82.5°	12.6
85°	7.7
87.5°	3.5
90°	0.0
92.5°	3.5
95°	7.7
97.5°	12.6
100°	15.4
102.5°	18.2
105°	19.6
107.5°	21.0
110°	21.7
112.5°	22.4
115°	23.1
117.5°	23.8
120°	23.8
122.5°	24.5
125°	24.5
127.5°	24.5
130°	25.2
132.5°	25.2
135°	25.9
137.5°	28.7
140°	38.5
142.5°	49.6
145°	76.9
147.5°	295.1
150°	613.9
151°	716.7
152°	779.0
153°	807.6
154°	831.4
155°	859.4
157.5°	968.5
160°	1118.1
161°	1198.5
162°	1285.9
163°	1385.9
164°	1513.2
165°	1683.1
166°	1911.7
167°	2214.5



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**CANDELA DISTRIBUTION (continued):**

	0°
168°	2642.5
169°	3234.0
170°	4013.7
171°	5003.1
172°	6123.3
173°	7358.9
174°	8500.1
175°	9581.1
176°	10538.4
177°	11297.7
178°	11843.9
179°	12203.3
180°	12376.7

(END OF REPORT)