

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: P221765

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29494)
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-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3338.2 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

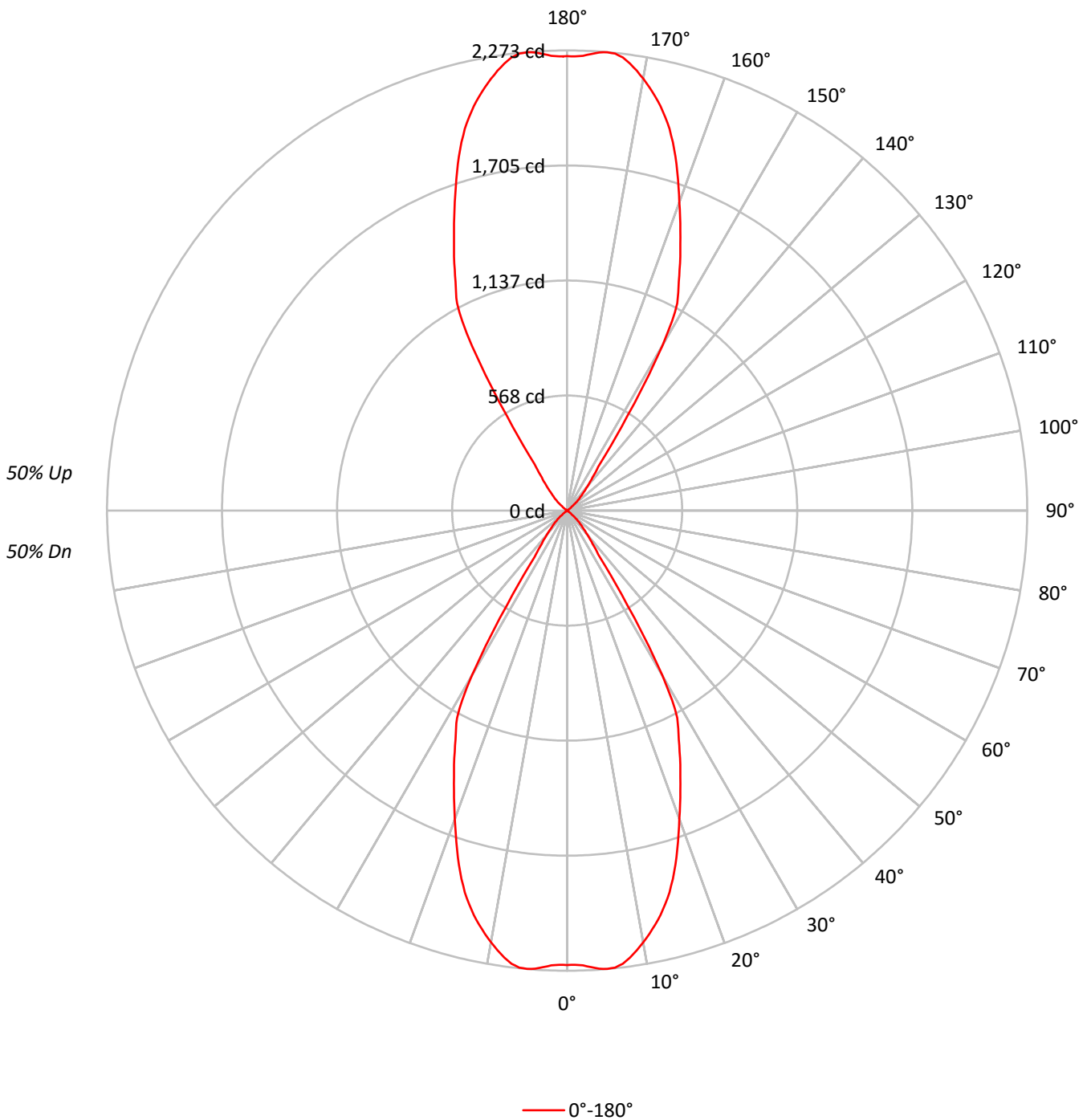
Input Watts (W): 57.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	91	93	90	87	85	77	75	74		65	64	63		53	53	52	47
2	94	88	83	79	87	82	78	75	71	68	66		60	59	57		51	50	49	44
3	88	80	75	70	81	75	70	67	65	62	59		56	54	52		48	47	45	42
4	82	74	68	63	76	69	64	60	61	57	54		53	50	48		46	44	42	39
5	77	68	62	57	72	64	58	54	57	52	49		50	47	44		43	41	40	37
6	72	63	56	52	68	59	54	50	53	49	45		47	44	41		41	39	37	35
7	68	58	52	47	64	55	50	46	49	45	42		44	41	38		39	37	35	33
8	64	54	48	44	60	52	46	42	46	42	39		41	38	36		37	35	33	31
9	61	51	45	40	57	48	43	39	44	39	36		39	36	34		35	33	31	29
10	58	48	42	38	54	45	40	36	41	37	34		37	34	32		33	31	29	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	276862
5°	281386
10°	271238
15°	249302
20°	212854
25°	178818
30°	133853
35°	42011
40°	24877
45°	15124
50°	6313
55°	1054
60°	691
65°	409
70°	252
75°	334
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.5	6.4
10°-20°	538.5	16.1
20°-30°	599.7	18.0
30°-40°	239.3	7.2
40°-50°	68.4	2.0
50°-60°	7.6	0.2
60°-70°	1.5	0.0
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°	1.5	0.0
120°-130°	7.6	0.2
130°-140°	68.4	2.0
140°-150°	239.3	7.2
150°-160°	599.7	18.0
160°-170°	538.5	16.1
170°-180°	213.5	6.4
0°-30°	1351.7	40.5
0°-40°	1591.0	47.7
0°-60°	1667.0	49.9
0°-90°	1669.1	50.0
90°-120°	2.1	0.1
90°-150°	317.4	9.5
90°-180°	1669.0	50.0
0°-180°	3338.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2245	
5°	2273	214
15°	1952	538
25°	1314	600
35°	279	239
45°	87	68
55°	5	8
65°	1	1
75°	1	1
85°	0	0
90°	0	0
95°	0	0
105°	1	1
115°	1	1
125°	5	8
135°	87	68
145°	279	239
155°	1314	600
165°	1952	538
175°	2273	214
180°	2245	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2244.6
1°	2243.9
2°	2248.1
3°	2258.6
4°	2268.4
5°	2272.6
6°	2269.8
7°	2255.1
8°	2229.9
9°	2199.1
10°	2165.6
11°	2129.2
12°	2091.5
13°	2049.5
14°	2003.3
15°	1952.3
16°	1892.9
17°	1829.2
18°	1760.0
19°	1689.4
20°	1621.6
21°	1555.8
22°	1492.9
23°	1431.4
24°	1373.3
25°	1313.9
26°	1257.9
27°	1209.7
28°	1159.4
29°	1070.5
30°	939.8
32.5°	549.6
35°	279.0
37.5°	206.3
40°	154.5
42.5°	114.7
45°	86.7
47.5°	64.3
50°	32.9
52.5°	8.4
55°	4.9
57.5°	3.5
60°	2.8
62.5°	2.1
65°	1.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
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°	0.7
105°	0.7
107.5°	0.7
110°	0.7
112.5°	0.7
115°	1.4
117.5°	2.1
120°	2.8
122.5°	3.5
125°	4.9
127.5°	8.4
130°	32.9
132.5°	64.3
135°	86.7
137.5°	114.7
140°	154.5
142.5°	206.3
145°	279.0
147.5°	549.6
150°	939.8
151°	1070.5
152°	1159.4
153°	1209.7
154°	1257.9
155°	1313.9
156°	1373.3
157°	1431.4
158°	1492.9
159°	1555.8
160°	1621.6
161°	1689.4



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CANDELA DISTRIBUTION (continued):

	0°
162°	1760.0
163°	1829.2
164°	1892.9
165°	1952.3
166°	2003.3
167°	2049.5
168°	2091.5
169°	2129.2
170°	2165.6
171°	2199.1
172°	2229.9
173°	2255.1
174°	2269.8
175°	2272.6
176°	2268.4
177°	2258.6
178°	2248.1
179°	2243.9
180°	2244.6

(END OF REPORT)