

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: P222176

Luminaire Tested: **9004-W2-FL-LED5080-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29499)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9004-W2-FL-LED5080-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH 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: 5797.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: General Diffuse

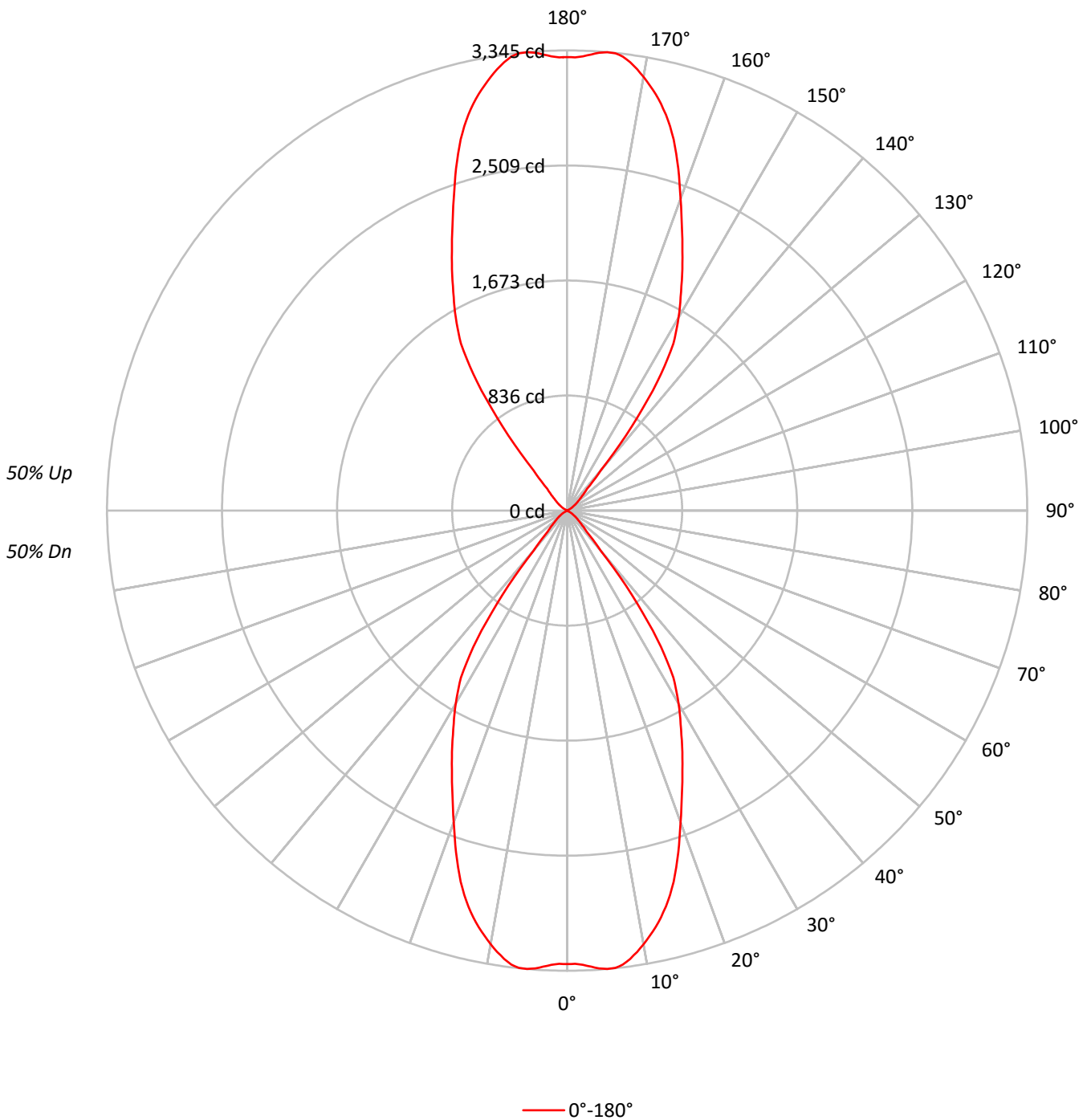
Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	94	91	92	90	87	85	76	75	73		64	63	62		53	53	52	47
2	93	88	83	79	86	81	77	74	70	67	65		60	58	56		50	49	48	43
3	87	80	74	69	81	74	69	65	65	61	58		56	53	51		47	46	44	40
4	81	73	66	61	76	68	63	58	60	56	52		52	49	47		44	42	41	38
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	43		45	42	39		39	37	35	33
7	67	57	50	45	62	54	48	44	48	43	40		42	39	36		37	35	33	31
8	63	52	46	41	59	50	44	40	45	40	37		40	36	34		35	33	31	29
9	59	49	42	38	56	46	41	37	42	37	34		37	34	31		33	31	29	27
10	56	46	39	35	52	43	38	34	39	35	32		35	32	29		31	29	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406572
5°	414167
10°	401008
15°	369312
20°	316485
25°	269894
30°	230818
35°	172531
40°	61218
45°	28625
50°	18940
55°	12731
60°	6414
65°	1518
70°	1118
75°	1001
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.7	5.4
10°-20°	798.3	13.8
20°-30°	911.2	15.7
30°-40°	669.0	11.5
40°-50°	142.0	2.4
50°-60°	53.7	0.9
60°-70°	7.7	0.1
70°-80°	2.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	2.0	0.0
110°-120°	7.7	0.1
120°-130°	53.7	0.9
130°-140°	142.0	2.4
140°-150°	669.0	11.5
150°-160°	911.2	15.7
160°-170°	798.3	13.8
170°-180°	314.7	5.4
0°-30°	2024.2	34.9
0°-40°	2693.2	46.5
0°-60°	2888.8	49.8
0°-90°	2898.5	50.0
90°-120°	9.7	0.2
90°-150°	874.3	15.1
90°-180°	2899.0	50.0
0°-180°	5797.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3296	
5°	3345	315
15°	2892	798
25°	1983	911
35°	1146	669
45°	164	142
55°	59	54
65°	5	8
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	2	2
115°	5	8
125°	59	54
135°	164	142
145°	1146	669
155°	1983	911
165°	2892	798
175°	3345	315
180°	3296	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3296.2
1°	3295.2
2°	3303.5
3°	3320.1
4°	3335.7
5°	3345.0
6°	3343.0
7°	3325.3
8°	3291.0
9°	3248.4
10°	3201.7
11°	3148.7
12°	3094.7
13°	3033.4
14°	2966.9
15°	2892.1
16°	2806.9
17°	2712.4
18°	2614.7
19°	2511.9
20°	2411.1
21°	2317.6
22°	2227.3
23°	2142.1
24°	2061.0
25°	1983.1
26°	1907.3
27°	1830.4
28°	1756.7
29°	1688.1
30°	1620.6
32.5°	1438.8
35°	1145.8
37.5°	773.9
40°	380.2
42.5°	214.0
45°	164.1
47.5°	128.8
50°	98.7
52.5°	77.9
55°	59.2
57.5°	42.6
60°	26.0
62.5°	7.3
65°	5.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	3.1
72.5°	3.1
75°	2.1
77.5°	1.0
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°	1.0
105°	2.1
107.5°	3.1
110°	3.1
112.5°	4.2
115°	5.2
117.5°	7.3
120°	26.0
122.5°	42.6
125°	59.2
127.5°	77.9
130°	98.7
132.5°	128.8
135°	164.1
137.5°	214.0
140°	380.2
142.5°	773.9
145°	1145.8
147.5°	1438.8
150°	1620.6
151°	1688.1
152°	1756.7
153°	1830.4
154°	1907.3
155°	1983.1
156°	2061.0
157°	2142.1
158°	2227.3
159°	2317.6
160°	2411.1
161°	2511.9



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CANDELA DISTRIBUTION (continued):

	0°
162°	2614.7
163°	2712.4
164°	2806.9
165°	2892.1
166°	2966.9
167°	3033.4
168°	3094.7
169°	3148.7
170°	3201.7
171°	3248.4
172°	3291.0
173°	3325.3
174°	3343.0
175°	3345.0
176°	3335.7
177°	3320.1
178°	3303.5
179°	3295.2
180°	3296.2

(END OF REPORT)