

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: P222125

Luminaire Tested: **9004-W2-FL-LED4080-W-BK-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P222125
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-LED4080-W-BK-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, FLUSH LENS, WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5580.4 lumens
Efficiency: N/A
Efficacy: 97.9 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

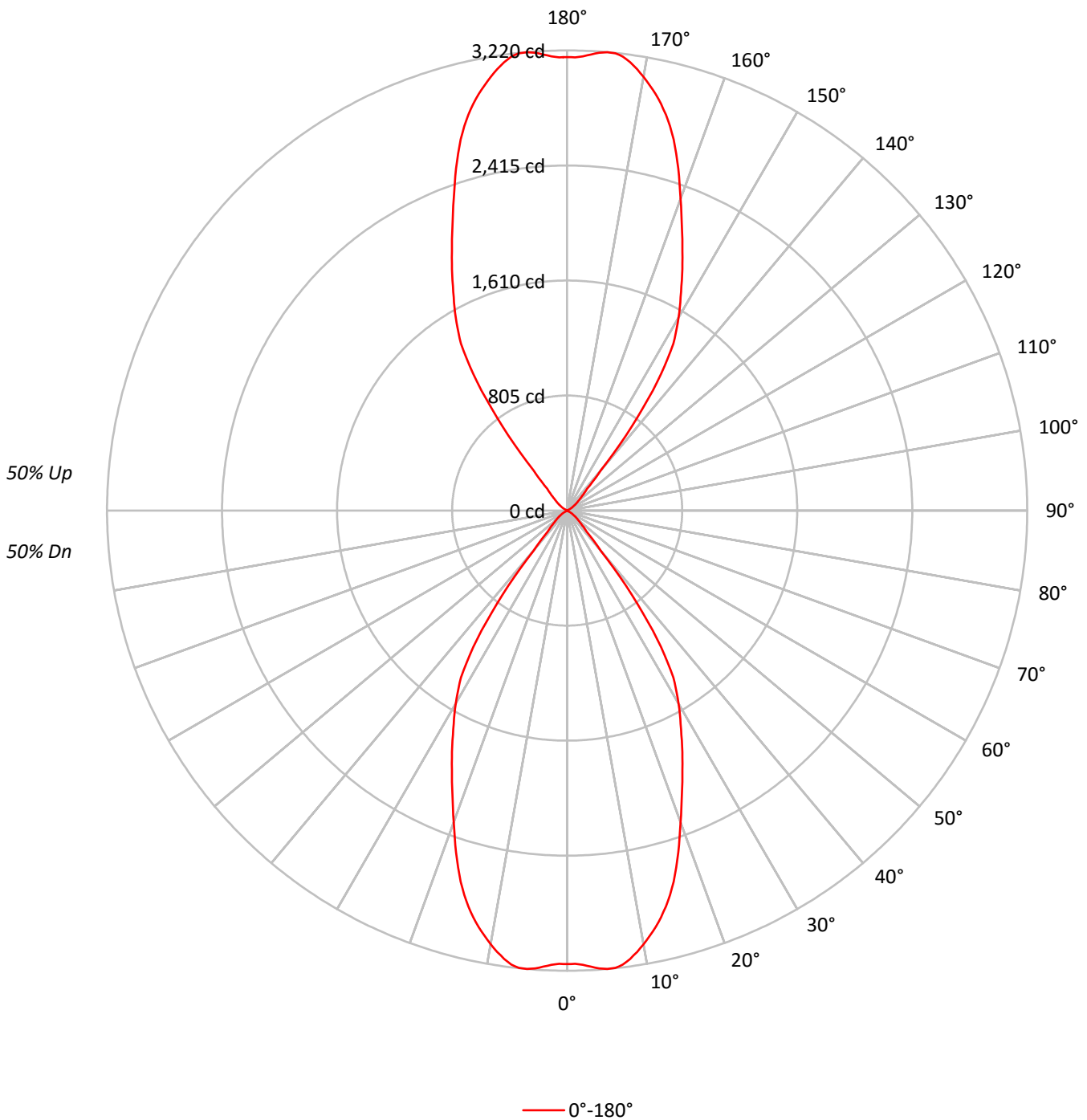
Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	391376
5°	398690
10°	386016
15°	355508
20°	304658
25°	259809
30°	222187
35°	166087
40°	58932
45°	27561
50°	18230
55°	12258
60°	6167
65°	1459
70°	1082
75°	953
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	5.4
10°-20°	768.4	13.8
20°-30°	877.2	15.7
30°-40°	644.0	11.5
40°-50°	136.7	2.4
50°-60°	51.7	0.9
60°-70°	7.3	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°	7.3	0.1
120°-130°	51.7	0.9
130°-140°	136.7	2.4
140°-150°	644.0	11.5
150°-160°	877.2	15.7
160°-170°	768.4	13.8
170°-180°	303.0	5.4
0°-30°	1948.6	34.9
0°-40°	2592.5	46.5
0°-60°	2780.9	49.8
0°-90°	2790.2	50.0
90°-120°	9.3	0.2
90°-150°	841.6	15.1
90°-180°	2790.0	50.0
0°-180°	5580.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3173	
5°	3220	303
15°	2784	768
25°	1909	877
35°	1103	644
45°	158	137
55°	57	52
65°	5	7
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	2	2
115°	5	7
125°	57	52
135°	158	137
145°	1103	644
155°	1909	877
165°	2784	768
175°	3220	303
180°	3173	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3173
1°	3172
2°	3180
3°	3196
4°	3211
5°	3220
6°	3218
7°	3201
8°	3168
9°	3127
10°	3082
11°	3031
12°	2979
13°	2920
14°	2856
15°	2784
16°	2702
17°	2611
18°	2517
19°	2418
20°	2321
21°	2231
22°	2144
23°	2062
24°	1984
25°	1909
26°	1836
27°	1762
28°	1691
29°	1625
30°	1560
32.5°	1385
35°	1103
37.5°	745
40°	366
42.5°	206
45°	158
47.5°	124
50°	95
52.5°	75
55°	57
57.5°	41
60°	25
62.5°	7
65°	5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4
70°	3
72.5°	3
75°	2
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	1
105°	2
107.5°	3
110°	3
112.5°	4
115°	5
117.5°	7
120°	25
122.5°	41
125°	57
127.5°	75
130°	95
132.5°	124
135°	158
137.5°	206
140°	366
142.5°	745
145°	1103
147.5°	1385
150°	1560
151°	1625
152°	1691
153°	1762
154°	1836
155°	1909
156°	1984
157°	2062
158°	2144
159°	2231
160°	2321
161°	2418



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CANDELA DISTRIBUTION (continued):

	0°
162°	2517
163°	2611
164°	2702
165°	2784
166°	2856
167°	2920
168°	2979
169°	3031
170°	3082
171°	3127
172°	3168
173°	3201
174°	3218
175°	3220
176°	3211
177°	3196
178°	3180
179°	3172
180°	3173

(END OF REPORT)