

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: P221888

Luminaire Tested: **9004-W2-[RW, RI]-LED4080-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221888
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]-LED4080-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5195.5 lumens
Efficiency: N/A
Efficacy: 91.1 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

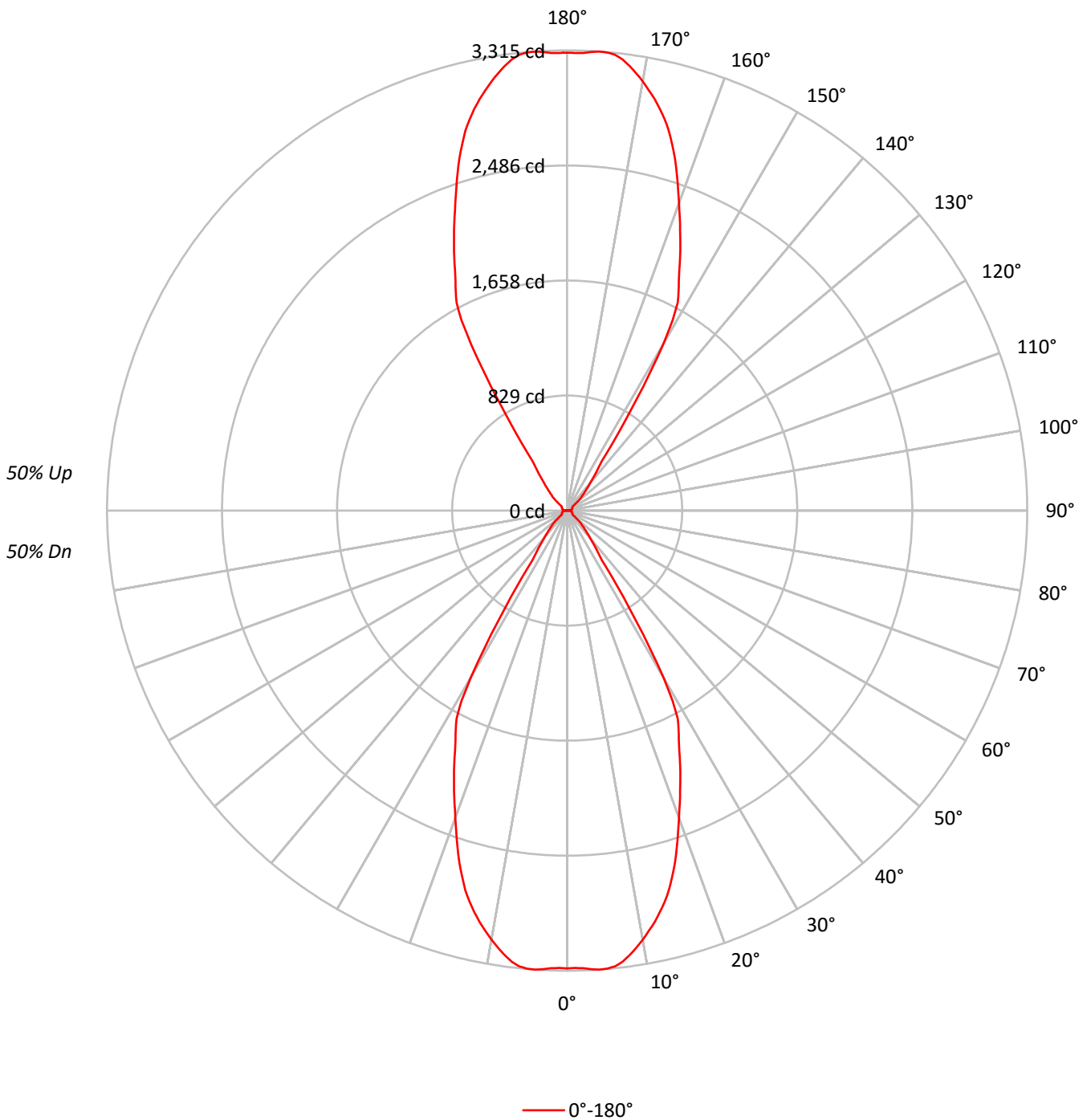
Input Watts (W): 57
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	53	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°	406917
5°	410205
10°	393030
15°	361637
20°	309121
25°	260217
30°	196692
35°	65351
40°	41542
45°	28259
50°	16503
55°	9892
60°	10854
65°	11966
70°	13704
75°	16680
80°	19889
85°	19813



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.6	6.0
10°-20°	781.1	15.0
20°-30°	874.9	16.8
30°-40°	365.9	7.0
40°-50°	127.1	2.4
50°-60°	46.2	0.9
60°-70°	40.7	0.8
70°-80°	36.2	0.7
80°-90°	15.2	0.3
90°-100°	15.2	0.3
100°-110°	36.2	0.7
110°-120°	40.7	0.8
120°-130°	46.2	0.9
130°-140°	127.1	2.4
140°-150°	365.9	7.0
150°-160°	874.9	16.8
160°-170°	781.1	15.0
170°-180°	310.6	6.0
0°-30°	1966.5	37.9
0°-40°	2332.4	44.9
0°-60°	2505.6	48.2
0°-90°	2597.7	50.0
90°-120°	92.1	1.8
90°-150°	631.2	12.1
90°-180°	2598.0	50.0
0°-180°	5195.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3299	
5°	3313	311
15°	2832	781
25°	1912	875
35°	434	366
45°	162	127
55°	46	46
65°	41	41
75°	35	36
85°	14	14
90°	0	2
95°	14	14
105°	35	36
115°	41	41
125°	46	46
135°	162	127
145°	434	366
155°	1912	875
165°	2832	781
175°	3313	311
180°	3299	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3299
1°	3296
2°	3299
3°	3309
4°	3315
5°	3313
6°	3301
7°	3275
8°	3234
9°	3188
10°	3138
11°	3085
12°	3031
13°	2970
14°	2905
15°	2832
16°	2745
17°	2654
18°	2556
19°	2454
20°	2355
21°	2263
22°	2174
23°	2086
24°	2000
25°	1912
26°	1835
27°	1767
28°	1697
29°	1569
30°	1381
32.5°	828
35°	434
37.5°	332
40°	258
42.5°	201
45°	162
47.5°	130
50°	86
52.5°	51
55°	46
57.5°	45
60°	44
62.5°	43
65°	41



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	39
70°	38
72.5°	37
75°	35
77.5°	32
80°	28
82.5°	22
85°	14
87.5°	6
90°	0
92.5°	6
95°	14
97.5°	22
100°	28
102.5°	32
105°	35
107.5°	37
110°	38
112.5°	39
115°	41
117.5°	43
120°	44
122.5°	45
125°	46
127.5°	51
130°	86
132.5°	130
135°	162
137.5°	201
140°	258
142.5°	332
145°	434
147.5°	828
150°	1381
151°	1569
152°	1697
153°	1767
154°	1835
155°	1912
156°	2000
157°	2086
158°	2174
159°	2263
160°	2355
161°	2454



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CANDELA DISTRIBUTION (continued):

	0°
162°	2556
163°	2654
164°	2745
165°	2832
166°	2905
167°	2970
168°	3031
169°	3085
170°	3138
171°	3188
172°	3234
173°	3275
174°	3301
175°	3313
176°	3315
177°	3309
178°	3299
179°	3296
180°	3299

(END OF REPORT)