

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: P221936

Luminaire Tested: **9004-W2-[RW, RI]-LED5080-W-WT-L3-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221936
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]-LED5080-W-WT-L3-UNV
Description: LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED 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: 5397.2 lumens
Efficiency: N/A
Efficacy: 94.7 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

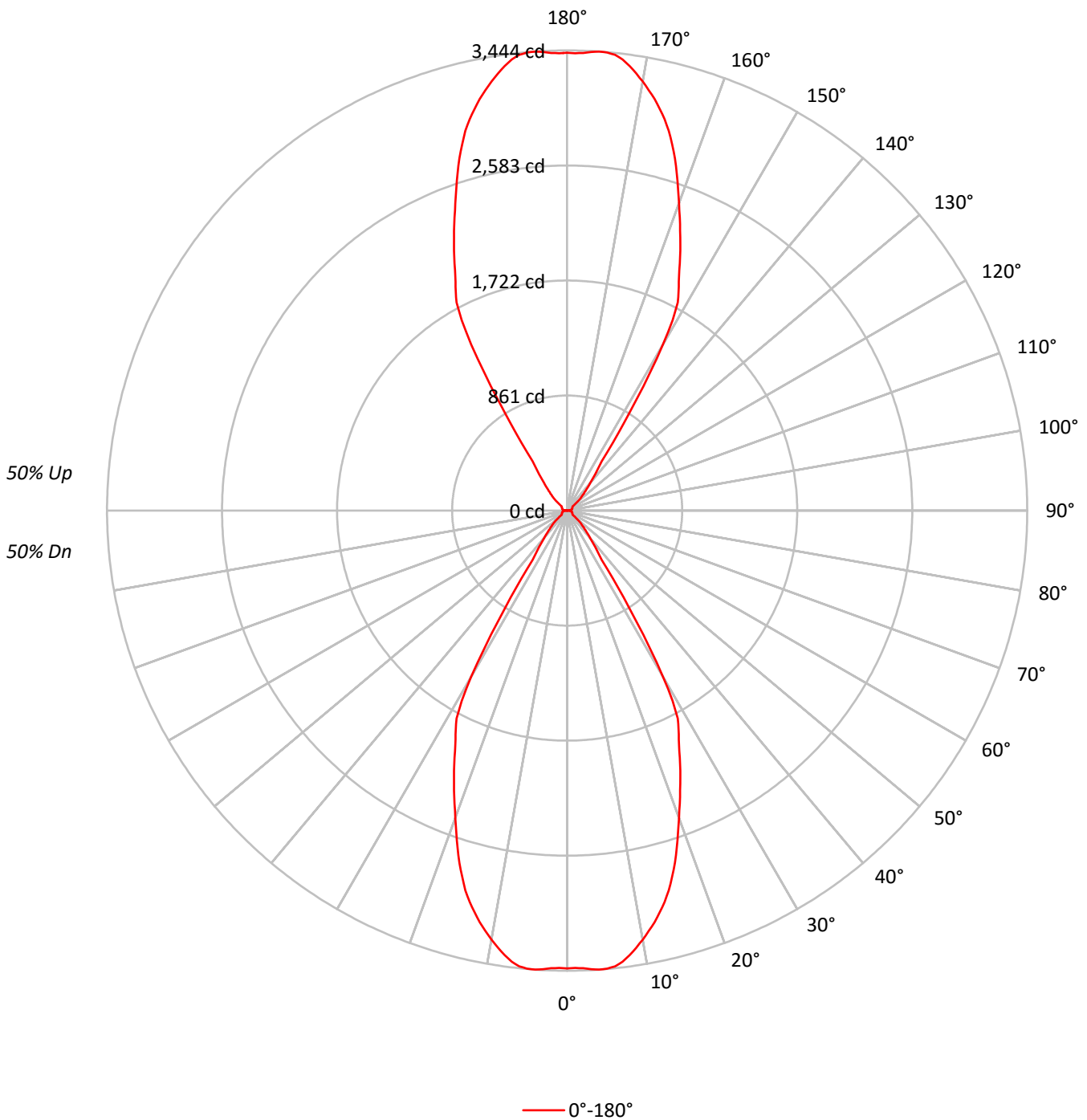
Input Watts (W): 57
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	422718
5°	426140
10°	408297
15°	375684
20°	321132
25°	270329
30°	204326
35°	67895
40°	43152
45°	29358
50°	17136
55°	10279
60°	11274
65°	12433
70°	14245
75°	17347
80°	20670
85°	20521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	6.0
10°-20°	811.4	15.0
20°-30°	908.9	16.8
30°-40°	380.1	7.0
40°-50°	132.0	2.4
50°-60°	48.0	0.9
60°-70°	42.2	0.8
70°-80°	37.6	0.7
80°-90°	15.8	0.3
90°-100°	15.8	0.3
100°-110°	37.6	0.7
110°-120°	42.2	0.8
120°-130°	48.0	0.9
130°-140°	132.0	2.4
140°-150°	380.1	7.0
150°-160°	908.9	16.8
160°-170°	811.4	15.0
170°-180°	322.6	6.0
0°-30°	2042.9	37.9
0°-40°	2423.0	44.9
0°-60°	2602.9	48.2
0°-90°	2698.6	50.0
90°-120°	95.7	1.8
90°-150°	655.7	12.1
90°-180°	2699.0	50.0
0°-180°	5397.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3427	
5°	3442	323
15°	2942	811
25°	1986	909
35°	451	380
45°	168	132
55°	48	48
65°	43	42
75°	36	38
85°	14	15
90°	0	2
95°	14	15
105°	36	38
115°	43	42
125°	48	48
135°	168	132
145°	451	380
155°	1986	909
165°	2942	811
175°	3442	323
180°	3427	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3427.1
1°	3424.0
2°	3427.1
3°	3437.5
4°	3443.7
5°	3441.7
6°	3429.2
7°	3402.2
8°	3359.6
9°	3311.8
10°	3259.9
11°	3204.8
12°	3148.7
13°	3085.3
14°	3017.8
15°	2942.0
16°	2851.6
17°	2757.1
18°	2655.3
19°	2549.3
20°	2446.5
21°	2350.9
22°	2258.4
23°	2167.0
24°	2077.7
25°	1986.3
26°	1906.3
27°	1835.6
28°	1762.9
29°	1629.9
30°	1434.6
32.5°	860.2
35°	450.9
37.5°	344.9
40°	268.0
42.5°	208.8
45°	168.3
47.5°	135.0
50°	89.3
52.5°	53.0
55°	47.8
57.5°	46.7
60°	45.7
62.5°	44.7
65°	42.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	40.5
70°	39.5
72.5°	38.4
75°	36.4
77.5°	33.2
80°	29.1
82.5°	22.9
85°	14.5
87.5°	6.2
90°	0.0
92.5°	6.2
95°	14.5
97.5°	22.9
100°	29.1
102.5°	33.2
105°	36.4
107.5°	38.4
110°	39.5
112.5°	40.5
115°	42.6
117.5°	44.7
120°	45.7
122.5°	46.7
125°	47.8
127.5°	53.0
130°	89.3
132.5°	135.0
135°	168.3
137.5°	208.8
140°	268.0
142.5°	344.9
145°	450.9
147.5°	860.2
150°	1434.6
151°	1629.9
152°	1762.9
153°	1835.6
154°	1906.3
155°	1986.3
156°	2077.7
157°	2167.0
158°	2258.4
159°	2350.9
160°	2446.5
161°	2549.3



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CANDELA DISTRIBUTION (continued):

	0°
162°	2655.3
163°	2757.1
164°	2851.6
165°	2942.0
166°	3017.8
167°	3085.3
168°	3148.7
169°	3204.8
170°	3259.9
171°	3311.8
172°	3359.6
173°	3402.2
174°	3429.2
175°	3441.7
176°	3443.7
177°	3437.5
178°	3427.1
179°	3424.0
180°	3427.1

(END OF REPORT)