

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: P221283

Luminaire Tested: **9002-W2-[RW, RI]-LED5080-M-BK-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P221283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29414)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 9002-W2-[RW, RI]-LED5080-M-BK-L1-UNV
Description: LUMIERE LANTERRA 9002 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2088.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.37
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

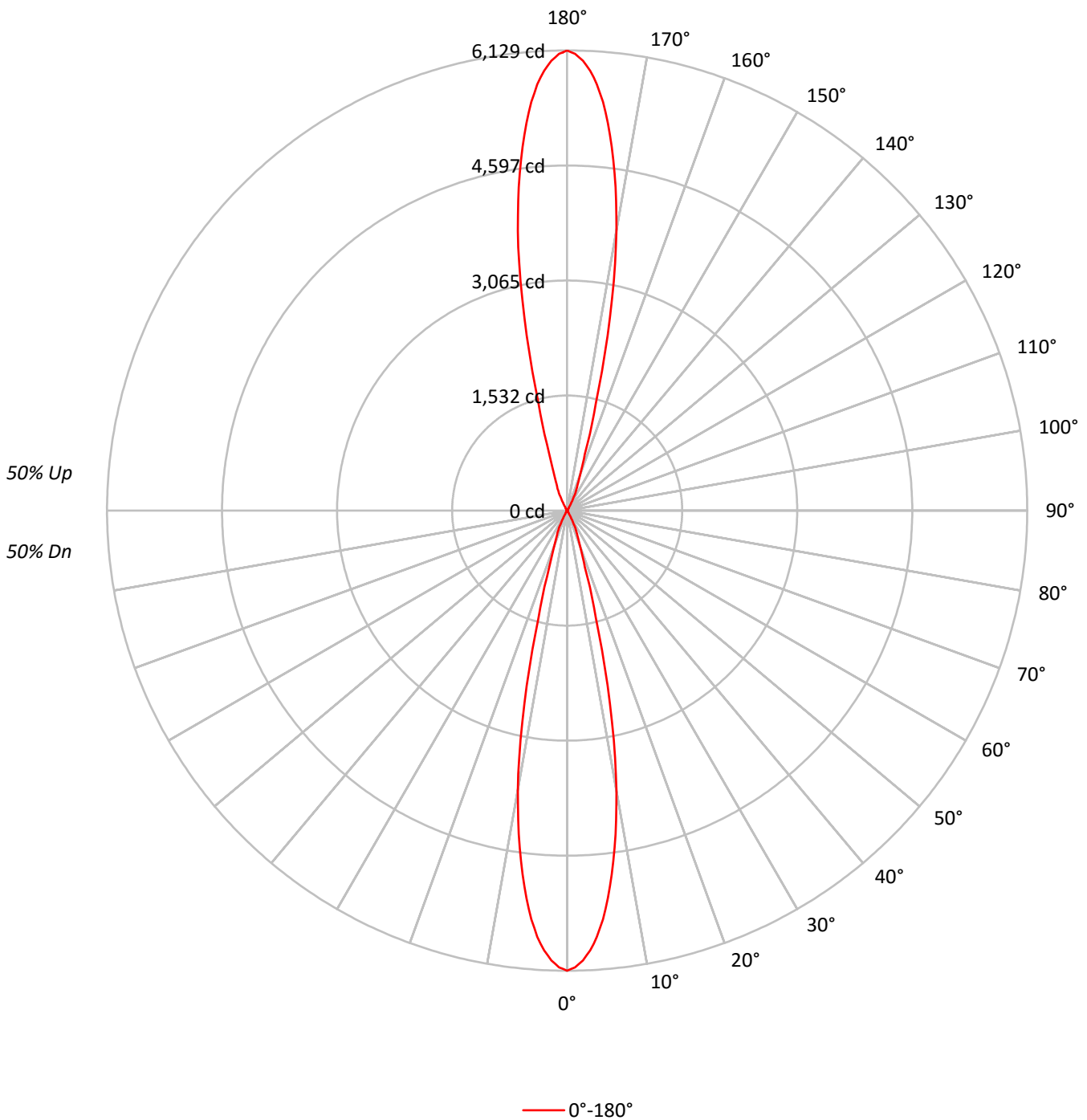
Input Watts (W): 20
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	98	95	93	93	91	89	87	78	76	75		66	65	64		55	54	54	49
2	95	90	86	83	89	84	81	78	73	71	69		63	61	60		53	52	52	47
3	90	84	79	75	84	79	75	71	69	66	64		60	58	57		52	51	50	46
4	86	78	73	69	80	74	69	66	66	62	60		58	56	54		50	49	48	45
5	82	74	68	64	76	70	65	61	62	59	56		56	53	51		49	48	47	44
6	78	70	64	60	73	66	61	58	60	56	54		54	51	49		48	46	45	43
7	74	66	60	57	70	63	58	55	57	54	51		52	49	48		47	45	44	42
8	71	63	57	54	67	60	55	52	55	52	49		50	48	46		46	44	43	41
9	69	60	55	51	65	58	53	50	53	50	47		49	46	45		45	43	42	40
10	66	58	53	49	63	55	51	48	51	48	46		47	45	43		44	42	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3023923
5°	2706173
10°	1895198
15°	754479
20°	257954
25°	142030
30°	30479
35°	13130
40°	7020
45°	3070
50°	1689
55°	946
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.8	22.4
10°-20°	446.6	21.4
20°-30°	109.9	5.3
30°-40°	15.4	0.7
40°-50°	4.1	0.2
50°-60°	1.1	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.1	0.0
120°-130°	1.1	0.1
130°-140°	4.1	0.2
140°-150°	15.4	0.7
150°-160°	109.9	5.3
160°-170°	446.6	21.4
170°-180°	466.8	22.4
0°-30°	1023.2	49.0
0°-40°	1038.6	49.7
0°-60°	1043.8	50.0
0°-90°	1044.0	50.0
90°-120°	0.1	0.0
90°-150°	20.7	1.0
90°-180°	1044.0	50.0
0°-180°	2088.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6129	
5°	5464	467
15°	1477	447
25°	261	110
35°	22	15
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	1	1
135°	4	4
145°	22	15
155°	261	110
165°	1477	447
175°	5464	467
180°	6129	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6129.0
1°	6084.2
2°	5994.7
3°	5867.0
4°	5692.3
5°	5464.1
6°	5190.1
7°	4883.3
8°	4537.2
9°	4174.8
10°	3782.9
11°	3352.7
12°	2878.9
13°	2393.1
14°	1910.5
15°	1477.1
17.5°	785.0
20°	491.3
22.5°	354.8
25°	260.9
27.5°	114.6
30°	53.5
32.5°	32.8
35°	21.8
37.5°	14.2
40°	10.9
42.5°	7.6
45°	4.4
47.5°	3.3
50°	2.2
52.5°	1.1
55°	1.1
57.5°	1.1
60°	1.1
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	1.1
122.5°	1.1
125°	1.1
127.5°	1.1
130°	2.2
132.5°	3.3
135°	4.4
137.5°	7.6
140°	10.9
142.5°	14.2
145°	21.8
147.5°	32.8
150°	53.5
152.5°	114.6
155°	260.9
157.5°	354.8
160°	491.3
162.5°	785.0
165°	1477.1
166°	1910.5
167°	2393.1
168°	2878.9
169°	3352.7
170°	3782.9
171°	4174.8
172°	4537.2
173°	4883.3
174°	5190.1
175°	5464.1
176°	5692.3
177°	5867.0
178°	5994.7
179°	6084.2



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CANDELA DISTRIBUTION (continued):

180° | $\frac{0^\circ}{6129.0}$

(END OF REPORT)