

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: AMETRIX

Report Number: P179409

Luminaire Tested: **LC-1-27K-1-D10-120-12-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26063)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: AMETRIX
Catalog Number: LC-1-27K-1-D10-120-12-00
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.
12-INCH MODULE WITH CLEAR LENS
Light Source: (28)2700K CCT, 90 (R9050) CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 505.5 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 0.1' x H: 0.06')
CIE Type: Indirect

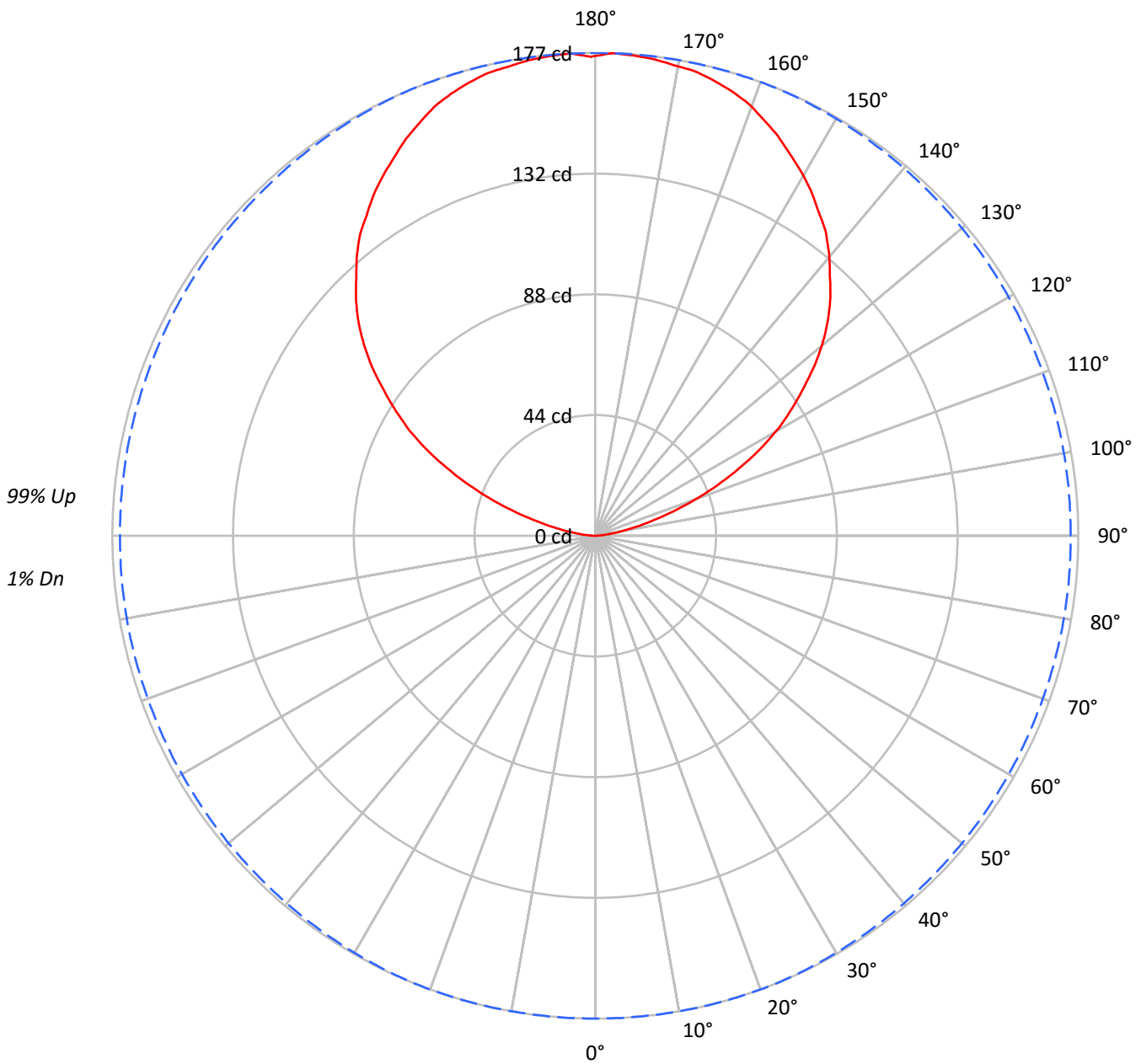
Input Watts (W): 6.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179409

CATALOG NUMBER: LC-1-27K-1-D10-120-12-00

Luminous Intensity Polar Plot



— Vertical Plane Through 0° Lateral - - - Horizontal Cone Through 177.5° Vertical



TEST NUMBER: P179409

CATALOG NUMBER: LC-1-27K-1-D10-120-12-00

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	95	95	95	95	82	82	82	82	56	56	56	32	32	32	11	11	11	1
1	87	82	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	0
2	79	72	66	61	67	62	57	53	42	39	37	24	23	22	8	8	7	0
3	72	63	56	51	61	54	49	44	37	34	31	22	20	18	7	6	6	0
4	65	55	48	43	56	48	42	37	33	29	26	19	17	15	6	6	5	0
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	46	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	2	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	85	151
70°	0	92	180
75°	0	145	453
80°	0	277	747
85°	0	448	1452



TEST NUMBER: P179409

CATALOG NUMBER: LC-1-27K-1-D10-120-12-00

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.3	0.1
70°-80°	0.9	0.2
80°-90°	2.1	0.4
90°-100°	7.1	1.4
100°-110°	31.1	6.2
110°-120°	60.7	12.0
120°-130°	83.1	16.4
130°-140°	93.6	18.5
140°-150°	88.9	17.6
150°-160°	73.2	14.5
160°-170°	47.9	9.5
170°-180°	16.6	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.3	0.6
90°-120°	99.0	19.6
90°-150°	364.6	72.1
90°-180°	502.0	99.3
0°-180°	505.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	1	1	1	0
75°	0	0	1	1	1	0
85°	0	1	2	2	2	0
90°	0	3	4	3	3	0
95°	3	7	6	5	5	4
105°	24	26	33	34	32	26
115°	59	60	61	63	64	59
125°	94	93	95	92	94	84
135°	123	122	122	122	122	94
145°	144	141	142	142	142	90
155°	161	161	158	158	157	74
165°	172	172	170	167	166	49
175°	176	176	175	173	173	17
180°	175	175	175	175	175	



TEST NUMBER: P179409

CATALOG NUMBER: LC-1-27K-1-D10-120-12-00

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.3	0.7	0.7	0.7
67.5°	0.0	0.3	0.7	0.7	0.7
70°	0.0	0.3	0.7	0.7	0.7
72.5°	0.0	0.3	0.7	1.0	1.0
75°	0.0	0.3	1.0	1.4	1.4
77.5°	0.0	0.3	1.4	1.4	1.4
80°	0.0	0.7	1.7	1.7	1.7
82.5°	0.0	0.7	2.1	2.1	1.7
85°	0.0	1.4	2.4	2.4	2.1
87.5°	0.0	2.1	3.1	2.7	2.7
90°	0.0	3.1	3.8	3.1	3.1
92.5°	1.0	4.8	4.8	4.1	3.8
95°	3.1	7.2	6.5	5.2	4.8
97.5°	6.5	11.0	9.3	6.9	6.5
100°	11.0	15.5	15.5	10.6	9.3
102.5°	16.8	20.6	24.7	19.6	16.1
105°	23.7	26.4	33.0	33.6	31.9
107.5°	31.9	33.6	38.8	43.3	44.6
110°	40.9	42.2	45.7	48.8	49.4



TEST NUMBER: P179409

CATALOG NUMBER: LC-1-27K-1-D10-120-12-00

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	50.1	51.8	52.9	56.7	56.7
115°	59.4	60.4	60.8	62.8	63.5
117.5°	69.0	69.0	68.3	69.7	70.4
120°	77.9	77.3	75.9	77.9	77.6
122.5°	85.8	85.2	84.8	85.8	86.2
125°	93.7	93.0	94.8	92.0	93.7
127.5°	102.0	100.3	102.3	98.2	98.5
130°	109.5	107.8	109.2	106.8	105.4
132.5°	116.4	114.7	115.7	115.4	113.3
135°	122.6	121.5	121.9	121.9	121.9
137.5°	128.1	126.7	127.7	127.7	127.0
140°	134.2	131.8	131.8	132.5	132.5
142.5°	139.7	136.3	137.0	137.7	137.0
145°	143.9	141.1	141.8	142.5	141.8
147.5°	148.7	146.6	147.0	145.9	146.3
150°	152.8	151.4	151.1	150.0	149.7
152.5°	156.6	156.9	155.2	153.8	153.5
155°	160.7	161.0	157.6	157.9	157.3
157.5°	164.1	164.1	160.0	161.4	161.0
160°	167.6	166.9	163.1	163.1	163.4
162.5°	170.0	169.6	166.9	164.1	164.1
165°	172.0	171.7	170.3	166.9	165.5
167.5°	173.7	173.4	172.4	170.3	169.3
170°	174.4	174.1	173.0	172.4	172.0
172.5°	175.5	175.5	174.1	172.7	172.7
175°	176.1	176.1	174.8	173.4	172.7
177.5°	176.5	176.5	175.1	174.1	173.7
180°	175.1	175.1	175.1	175.1	175.1

(END OF REPORT)