

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: P179417

Luminaire Tested: **LC-2-40K-1-D10-120-12-00**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179417  
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-2-40K-1-D10-120-12-00  
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.  
12-INCH MODULE WITH CLEAR LENS  
Light Source: (28)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1347.8 lumens  
Efficiency: N/A  
Efficacy: 101.3 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

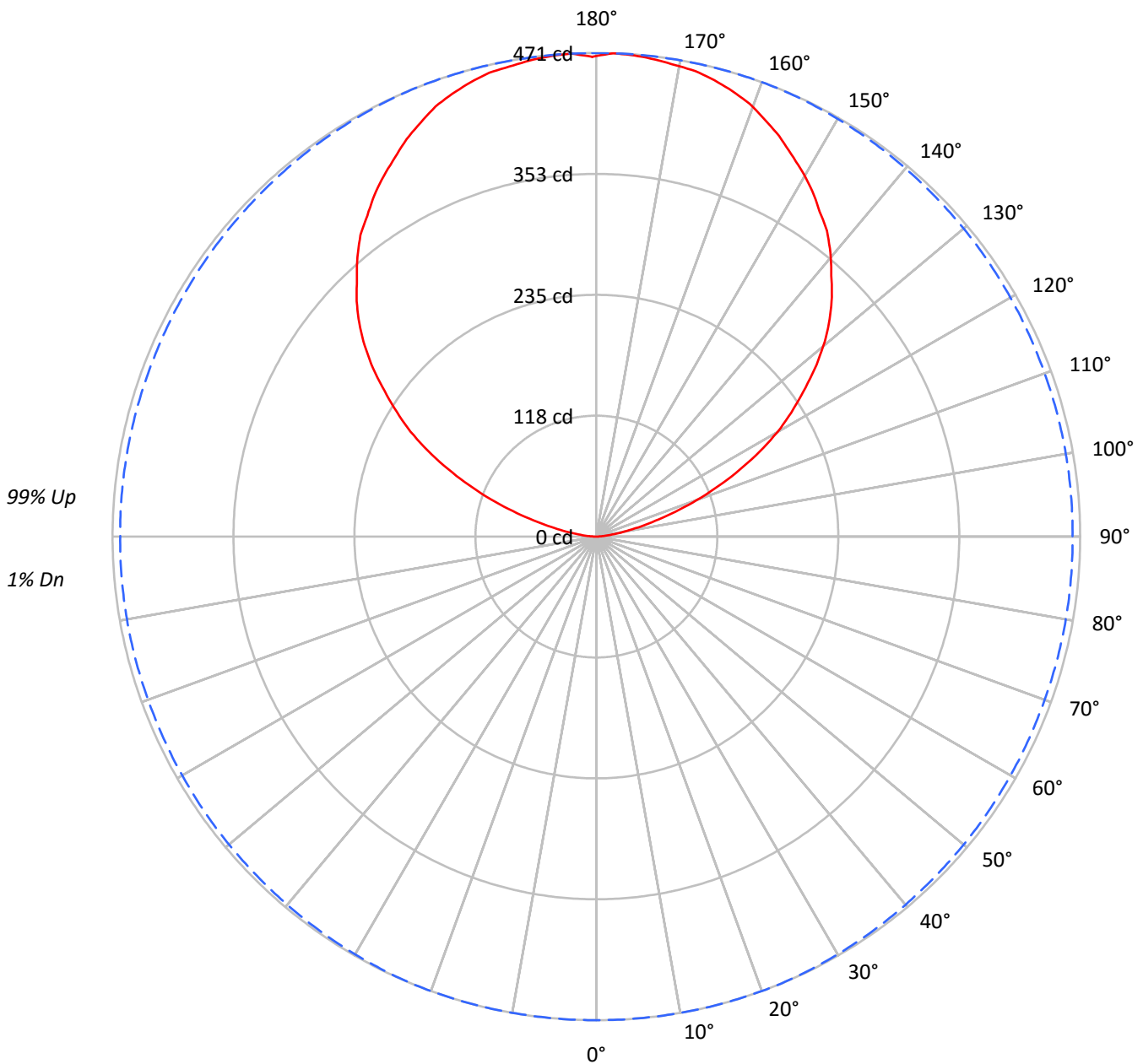
Input Watts (W): 13.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



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



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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	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	220	388
70°	0	238	464
75°	0	392	1198
80°	0	749	2021
85°	0	1194	3804



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**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°	0.8	0.1
70°-80°	2.3	0.2
80°-90°	5.5	0.4
90°-100°	18.9	1.4
100°-110°	83.0	6.2
110°-120°	162.0	12.0
120°-130°	221.5	16.4
130°-140°	249.5	18.5
140°-150°	237.2	17.6
150°-160°	195.1	14.5
160°-170°	127.6	9.5
170°-180°	44.3	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	8.7	0.6
90°-120°	263.9	19.6
90°-150°	972.1	72.1
90°-180°	1339.0	99.3
0°-180°	1347.8	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	1	2	2	2	0
75°	0	1	3	4	4	0
85°	0	4	6	6	6	0
90°	0	8	10	8	8	0
95°	8	19	17	14	13	11
105°	63	70	88	90	85	69
115°	158	161	162	168	169	157
125°	250	248	253	245	250	224
135°	327	324	325	325	325	252
145°	384	376	378	380	378	241
155°	428	429	420	421	419	197
165°	459	458	454	445	441	129
175°	470	470	466	462	460	45
180°	467	467	467	467	467	



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**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	0.9	1.8	1.8	1.8
67.5°	0.0	0.9	1.8	1.8	1.8
70°	0.0	0.9	1.8	1.8	1.8
72.5°	0.0	0.9	1.8	2.7	2.7
75°	0.0	0.9	2.7	3.7	3.7
77.5°	0.0	0.9	3.7	3.7	3.7
80°	0.0	1.8	4.6	4.6	4.6
82.5°	0.0	1.8	5.5	5.5	4.6
85°	0.0	3.7	6.4	6.4	5.5
87.5°	0.0	5.5	8.2	7.3	7.3
90°	0.0	8.2	10.1	8.2	8.2
92.5°	2.7	12.8	12.8	11.0	10.1
95°	8.2	19.2	17.4	13.7	12.8
97.5°	17.4	29.3	24.7	18.3	17.4
100°	29.3	41.2	41.2	28.4	24.7
102.5°	44.9	54.9	65.9	52.2	43.0
105°	63.2	70.5	87.9	89.7	85.1
107.5°	85.1	89.7	103.5	115.4	119.0
110°	108.9	112.6	121.8	130.0	131.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	133.7	138.2	141.0	151.1	151.1
115°	158.4	161.1	162.0	167.5	169.4
117.5°	184.0	184.0	182.2	185.8	187.7
120°	207.8	206.0	202.3	207.8	206.9
122.5°	228.9	227.0	226.1	228.9	229.8
125°	249.9	248.1	252.7	245.4	249.9
127.5°	271.9	267.3	272.8	261.8	262.8
130°	292.0	287.5	291.1	284.7	281.1
132.5°	310.4	305.8	308.5	307.6	302.1
135°	326.8	324.1	325.0	325.0	325.0
137.5°	341.5	337.8	340.6	340.6	338.7
140°	358.0	351.6	351.6	353.4	353.4
142.5°	372.6	363.5	365.3	367.1	365.3
145°	383.6	376.3	378.1	379.9	378.1
147.5°	396.4	390.9	391.8	389.1	390.0
150°	407.4	403.7	402.8	400.1	399.2
152.5°	417.5	418.4	413.8	410.1	409.2
155°	428.5	429.4	420.2	421.1	419.3
157.5°	437.6	437.6	426.6	430.3	429.4
160°	446.8	444.9	434.9	434.9	435.8
162.5°	453.2	452.3	444.9	437.6	437.6
165°	458.7	457.8	454.1	444.9	441.3
167.5°	463.2	462.3	459.6	454.1	451.3
170°	465.1	464.2	461.4	459.6	458.7
172.5°	467.8	467.8	464.2	460.5	460.5
175°	469.7	469.7	466.0	462.3	460.5
177.5°	470.6	470.6	466.9	464.2	463.2
180°	466.9	466.9	466.9	466.9	466.9

(END OF REPORT)