

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: P179411

Luminaire Tested: **LC-1-35K-1-D10-120-12-00**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179411  
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-1-35K-1-D10-120-12-00  
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.  
12-INCH MODULE WITH CLEAR LENS  
Light Source: (28)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.3 lumens  
Efficiency: N/A  
Efficacy: 109.4 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

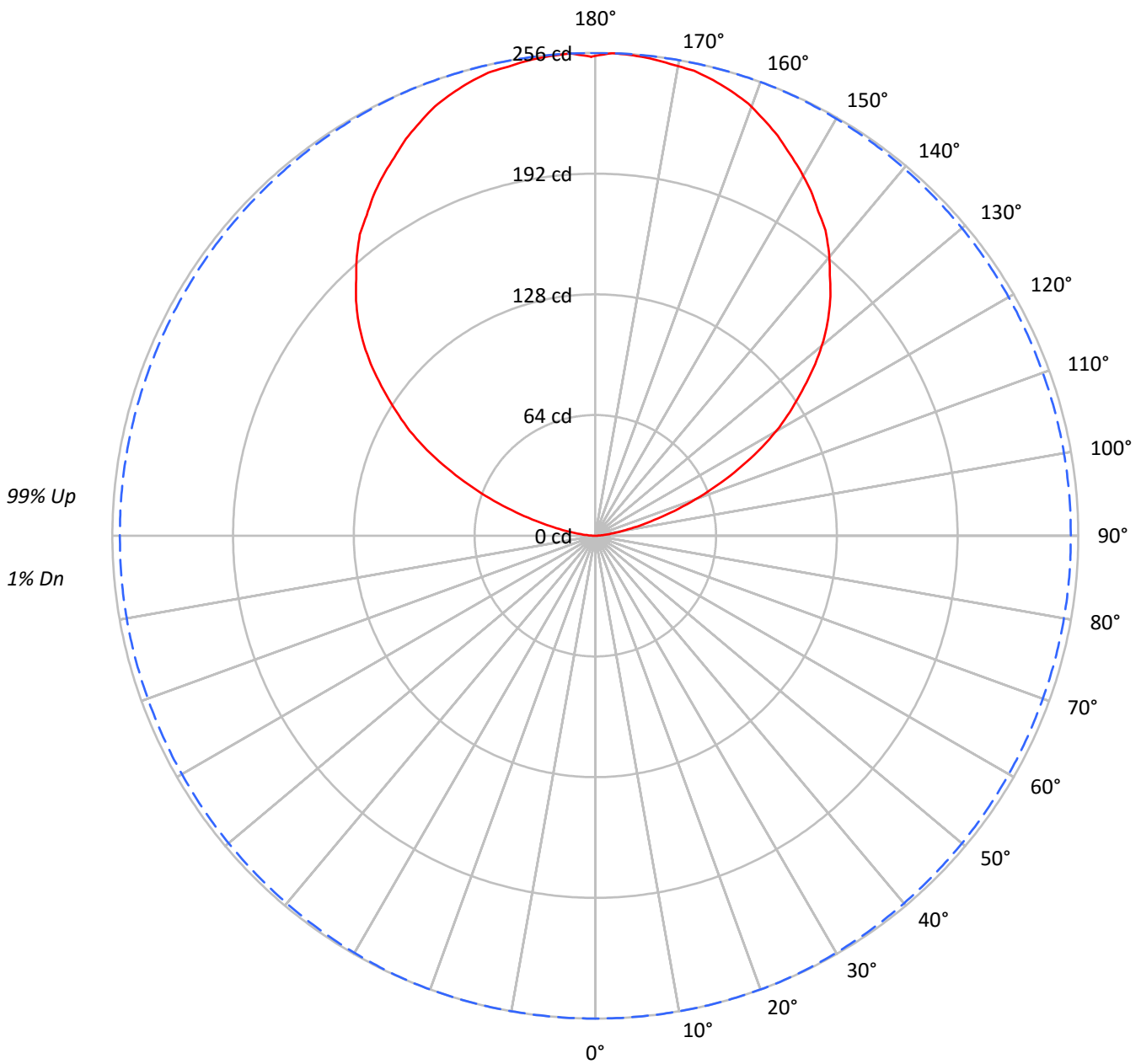
Input Watts (W): 6.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	122	216
70°	0	132	258
75°	0	218	647
80°	0	407	1098
85°	0	653	2075



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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°	0.5	0.1
70°-80°	1.3	0.2
80°-90°	3.0	0.4
90°-100°	10.3	1.4
100°-110°	45.2	6.2
110°-120°	88.1	12.0
120°-130°	120.5	16.4
130°-140°	135.7	18.5
140°-150°	129.0	17.6
150°-160°	106.1	14.5
160°-170°	69.4	9.5
170°-180°	24.1	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	4.8	0.7
90°-120°	143.6	19.6
90°-150°	528.8	72.1
90°-180°	728.0	99.3
0°-180°	733.3	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	2	2	2	0
85°	0	2	4	4	3	0
90°	0	4	6	4	4	0
95°	4	10	10	8	7	6
105°	34	38	48	49	46	38
115°	86	88	88	91	92	85
125°	136	135	138	134	136	122
135°	178	176	177	177	177	137
145°	209	205	206	207	206	131
155°	233	234	229	229	228	107
165°	250	249	247	242	240	70
175°	256	256	254	252	250	24
180°	254	254	254	254	254	



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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	0.5	1.0	1.0	1.0
67.5°	0.0	0.5	1.0	1.0	1.0
70°	0.0	0.5	1.0	1.0	1.0
72.5°	0.0	0.5	1.0	1.5	1.5
75°	0.0	0.5	1.5	2.0	2.0
77.5°	0.0	0.5	2.0	2.0	2.0
80°	0.0	1.0	2.5	2.5	2.5
82.5°	0.0	1.0	3.0	3.0	2.5
85°	0.0	2.0	3.5	3.5	3.0
87.5°	0.0	3.0	4.5	4.0	4.0
90°	0.0	4.5	5.5	4.5	4.5
92.5°	1.5	7.0	7.0	6.0	5.5
95°	4.5	10.5	9.5	7.5	7.0
97.5°	9.5	15.9	13.4	10.0	9.5
100°	15.9	22.4	22.4	15.4	13.4
102.5°	24.4	29.9	35.9	28.4	23.4
105°	34.4	38.3	47.8	48.8	46.3
107.5°	46.3	48.8	56.3	62.8	64.7
110°	59.3	61.3	66.2	70.7	71.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	72.7	75.2	76.7	82.2	82.2
115°	86.2	87.7	88.1	91.1	92.1
117.5°	100.1	100.1	99.1	101.1	102.1
120°	113.0	112.1	110.1	113.0	112.6
122.5°	124.5	123.5	123.0	124.5	125.0
125°	136.0	135.0	137.5	133.5	136.0
127.5°	147.9	145.4	148.4	142.4	142.9
130°	158.9	156.4	158.4	154.9	152.9
132.5°	168.8	166.3	167.8	167.3	164.3
135°	177.8	176.3	176.8	176.8	176.8
137.5°	185.8	183.8	185.3	185.3	184.3
140°	194.7	191.2	191.2	192.2	192.2
142.5°	202.7	197.7	198.7	199.7	198.7
145°	208.7	204.7	205.7	206.7	205.7
147.5°	215.6	212.7	213.2	211.7	212.2
150°	221.6	219.6	219.1	217.6	217.1
152.5°	227.1	227.6	225.1	223.1	222.6
155°	233.1	233.6	228.6	229.1	228.1
157.5°	238.1	238.1	232.1	234.1	233.6
160°	243.0	242.0	236.6	236.6	237.1
162.5°	246.5	246.0	242.0	238.1	238.1
165°	249.5	249.0	247.0	242.0	240.0
167.5°	252.0	251.5	250.0	247.0	245.5
170°	253.0	252.5	251.0	250.0	249.5
172.5°	254.5	254.5	252.5	250.5	250.5
175°	255.5	255.5	253.5	251.5	250.5
177.5°	256.0	256.0	254.0	252.5	252.0
180°	254.0	254.0	254.0	254.0	254.0

(END OF REPORT)