

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: P179410

Luminaire Tested: **LC-1-30K-1-D10-120-12-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179410
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-1-30K-1-D10-120-12-00
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.
12-INCH MODULE WITH CLEAR LENS
Light Source: (28)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

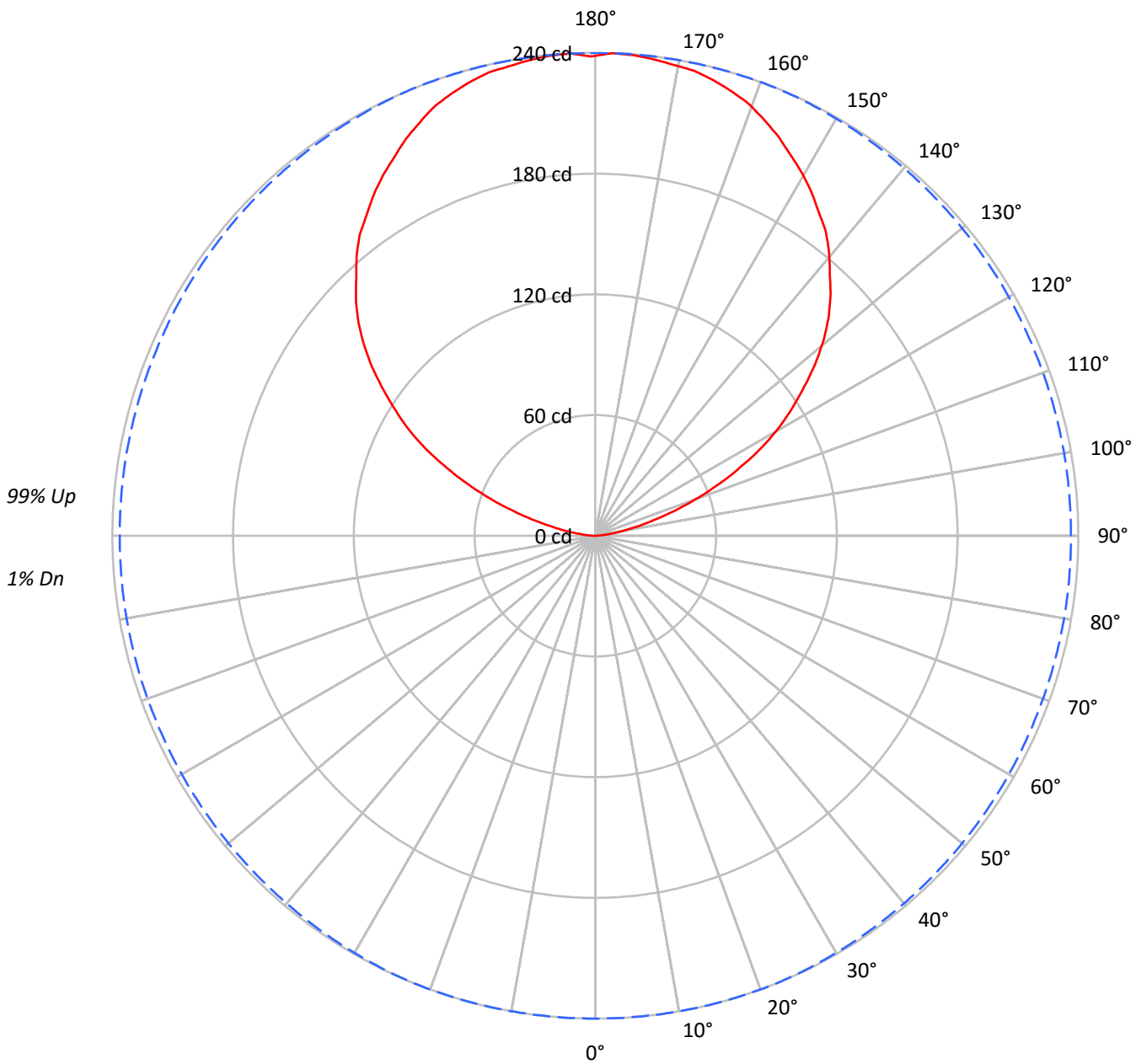
Lumens per Lamp: N/A
Luminaire Lumens: 688.6 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 0.1' x H: 0.06')
CIE Type: Indirect

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



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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	110	194
70°	0	119	232
75°	0	203	615
80°	0	374	1010
85°	0	616	1936



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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°	0.4	0.1
70°-80°	1.2	0.2
80°-90°	2.8	0.4
90°-100°	9.6	1.4
100°-110°	42.4	6.2
110°-120°	82.7	12.0
120°-130°	113.2	16.4
130°-140°	127.5	18.5
140°-150°	121.2	17.6
150°-160°	99.7	14.5
160°-170°	65.2	9.5
170°-180°	22.7	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	4.5	0.6
90°-120°	134.8	19.6
90°-150°	496.7	72.1
90°-180°	684.0	99.3
0°-180°	688.6	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	2	2	0
85°	0	2	3	3	3	0
90°	0	4	5	4	4	0
95°	4	10	9	7	6	6
105°	32	36	45	46	44	35
115°	81	82	83	86	86	80
125°	128	127	129	125	128	114
135°	167	166	166	166	166	129
145°	196	192	193	194	193	123
155°	219	219	215	215	214	101
165°	234	234	232	227	226	66
175°	240	240	238	236	235	23
180°	239	239	239	239	239	



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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	0.9	0.9	0.9
67.5°	0.0	0.5	0.9	0.9	0.9
70°	0.0	0.5	0.9	0.9	0.9
72.5°	0.0	0.5	0.9	1.4	1.4
75°	0.0	0.5	1.4	1.9	1.9
77.5°	0.0	0.5	1.9	1.9	1.9
80°	0.0	0.9	2.3	2.3	2.3
82.5°	0.0	0.9	2.8	2.8	2.3
85°	0.0	1.9	3.3	3.3	2.8
87.5°	0.0	2.8	4.2	3.7	3.7
90°	0.0	4.2	5.1	4.2	4.2
92.5°	1.4	6.5	6.5	5.6	5.1
95°	4.2	9.8	8.9	7.0	6.5
97.5°	8.9	15.0	12.6	9.4	8.9
100°	15.0	21.0	21.0	14.5	12.6
102.5°	22.9	28.1	33.7	26.7	22.0
105°	32.3	36.0	44.9	45.8	43.5
107.5°	43.5	45.8	52.9	58.9	60.8
110°	55.7	57.5	62.2	66.4	67.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	68.3	70.6	72.0	77.2	77.2
115°	80.9	82.3	82.8	85.6	86.5
117.5°	94.0	94.0	93.1	95.0	95.9
120°	106.2	105.2	103.4	106.2	105.7
122.5°	116.9	116.0	115.5	116.9	117.4
125°	127.7	126.8	129.1	125.4	127.7
127.5°	138.9	136.6	139.4	133.8	134.2
130°	149.2	146.9	148.7	145.5	143.6
132.5°	158.6	156.2	157.6	157.2	154.4
135°	167.0	165.6	166.1	166.1	166.1
137.5°	174.5	172.6	174.0	174.0	173.1
140°	182.9	179.6	179.6	180.6	180.6
142.5°	190.4	185.7	186.6	187.6	186.6
145°	196.0	192.2	193.2	194.1	193.2
147.5°	202.5	199.7	200.2	198.8	199.3
150°	208.2	206.3	205.8	204.4	203.9
152.5°	213.3	213.8	211.4	209.6	209.1
155°	218.9	219.4	214.7	215.2	214.2
157.5°	223.6	223.6	218.0	219.8	219.4
160°	228.3	227.3	222.2	222.2	222.7
162.5°	231.5	231.1	227.3	223.6	223.6
165°	234.3	233.9	232.0	227.3	225.5
167.5°	236.7	236.2	234.8	232.0	230.6
170°	237.6	237.2	235.8	234.8	234.3
172.5°	239.0	239.0	237.2	235.3	235.3
175°	240.0	240.0	238.1	236.2	235.3
177.5°	240.4	240.4	238.6	237.2	236.7
180°	238.6	238.6	238.6	238.6	238.6

(END OF REPORT)