

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: P179415

Luminaire Tested: **LC-2-30K-1-D10-120-12-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179415
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-2-30K-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

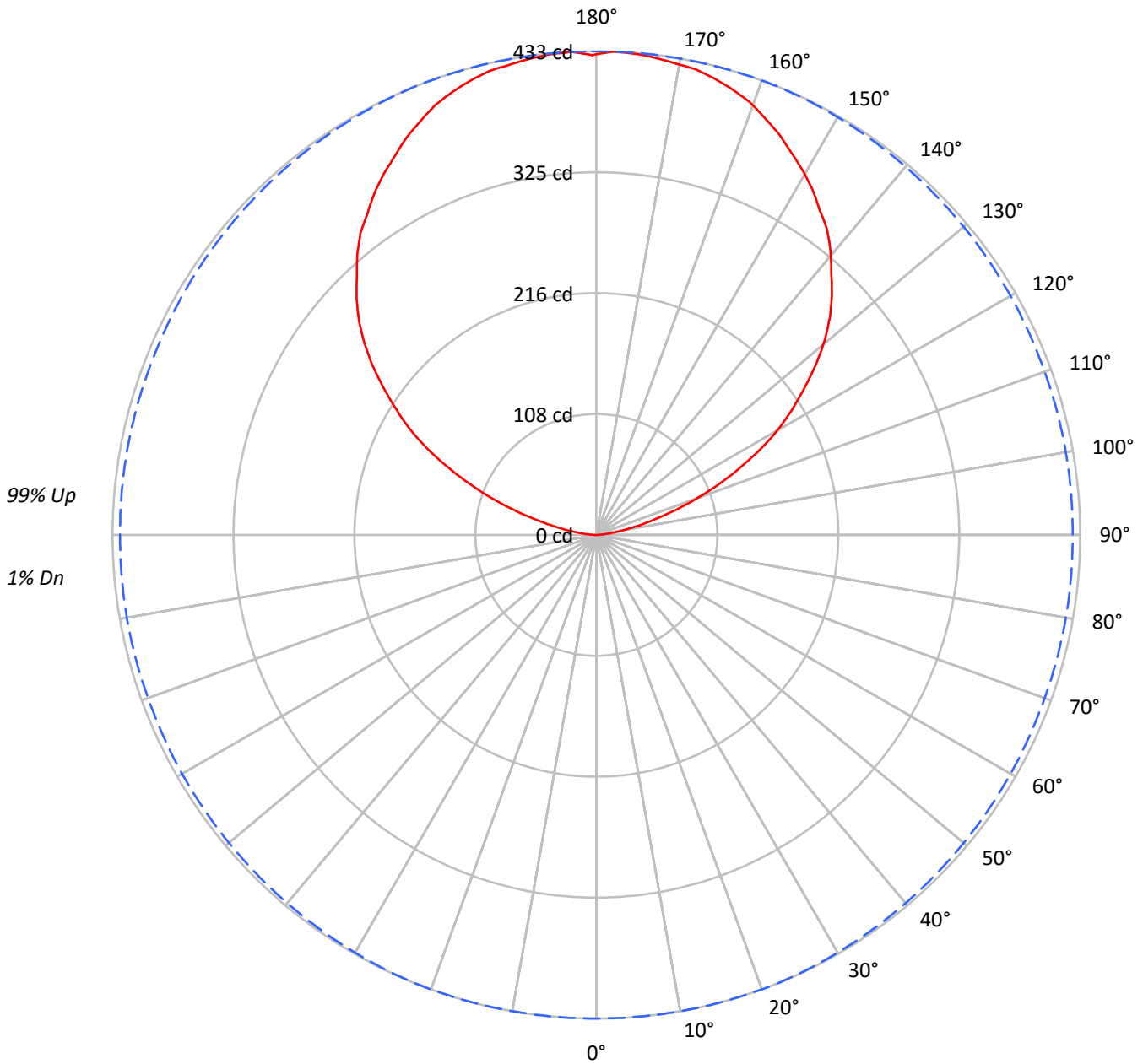
Lumens per Lamp: N/A
Luminaire Lumens: 1239.8 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 0.1' x H: 0.06')
CIE Type: Indirect

Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{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	207	367
70°	0	225	438
75°	0	363	1101
80°	0	683	1845
85°	0	1101	3527



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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°	2.2	0.2
80°-90°	5.1	0.4
90°-100°	17.4	1.4
100°-110°	76.4	6.2
110°-120°	149.0	12.0
120°-130°	203.8	16.4
130°-140°	229.5	18.5
140°-150°	218.2	17.6
150°-160°	179.5	14.5
160°-170°	117.4	9.5
170°-180°	40.8	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	8.1	0.6
90°-120°	242.7	19.6
90°-150°	894.1	72.1
90°-180°	1232.0	99.4
0°-180°	1239.8	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	2	3	3	0
85°	0	3	6	6	5	0
90°	0	8	9	8	8	0
95°	8	18	16	13	12	10
105°	58	65	81	82	78	64
115°	146	148	149	154	156	144
125°	230	228	232	226	230	206
135°	301	298	299	299	299	232
145°	353	346	348	350	348	221
155°	394	395	386	387	386	182
165°	422	421	418	409	406	119
175°	432	432	429	425	424	41
180°	430	430	430	430	430	



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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	0.8	1.7	1.7	1.7
67.5°	0.0	0.8	1.7	1.7	1.7
70°	0.0	0.8	1.7	1.7	1.7
72.5°	0.0	0.8	1.7	2.5	2.5
75°	0.0	0.8	2.5	3.4	3.4
77.5°	0.0	0.8	3.4	3.4	3.4
80°	0.0	1.7	4.2	4.2	4.2
82.5°	0.0	1.7	5.1	5.1	4.2
85°	0.0	3.4	5.9	5.9	5.1
87.5°	0.0	5.1	7.6	6.7	6.7
90°	0.0	7.6	9.3	7.6	7.6
92.5°	2.5	11.8	11.8	10.1	9.3
95°	7.6	17.7	16.0	12.6	11.8
97.5°	16.0	26.9	22.7	16.8	16.0
100°	26.9	37.9	37.9	26.1	22.7
102.5°	41.3	50.5	60.6	48.0	39.6
105°	58.1	64.8	80.8	82.5	78.3
107.5°	78.3	82.5	95.2	106.1	109.5
110°	100.2	103.6	112.0	119.6	121.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	122.9	127.2	129.7	138.9	138.9
115°	145.7	148.2	149.1	154.1	155.8
117.5°	169.3	169.3	167.6	170.9	172.6
120°	191.2	189.5	186.1	191.2	190.3
122.5°	210.5	208.8	208.0	210.5	211.4
125°	229.9	228.2	232.4	225.7	229.9
127.5°	250.1	245.9	250.9	240.8	241.7
130°	268.6	264.4	267.8	261.9	258.5
132.5°	285.5	281.3	283.8	282.9	277.9
135°	300.6	298.1	298.9	298.9	298.9
137.5°	314.1	310.7	313.3	313.3	311.6
140°	329.3	323.4	323.4	325.0	325.0
142.5°	342.7	334.3	336.0	337.7	336.0
145°	352.8	346.1	347.8	349.5	347.8
147.5°	364.6	359.6	360.4	357.9	358.7
150°	374.7	371.4	370.5	368.0	367.2
152.5°	384.0	384.8	380.6	377.3	376.4
155°	394.1	394.9	386.5	387.4	385.7
157.5°	402.5	402.5	392.4	395.8	394.9
160°	410.9	409.3	400.0	400.0	400.8
162.5°	416.8	416.0	409.3	402.5	402.5
165°	421.9	421.0	417.7	409.3	405.9
167.5°	426.1	425.3	422.7	417.7	415.2
170°	427.8	426.9	424.4	422.7	421.9
172.5°	430.3	430.3	426.9	423.6	423.6
175°	432.0	432.0	428.6	425.3	423.6
177.5°	432.8	432.8	429.5	426.9	426.1
180°	429.5	429.5	429.5	429.5	429.5

(END OF REPORT)