

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: P179414

Luminaire Tested: **LC-2-27K-1-D10-120-12-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179414
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-2-27K-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: 910.0 lumens
Efficiency: N/A
Efficacy: 68.4 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

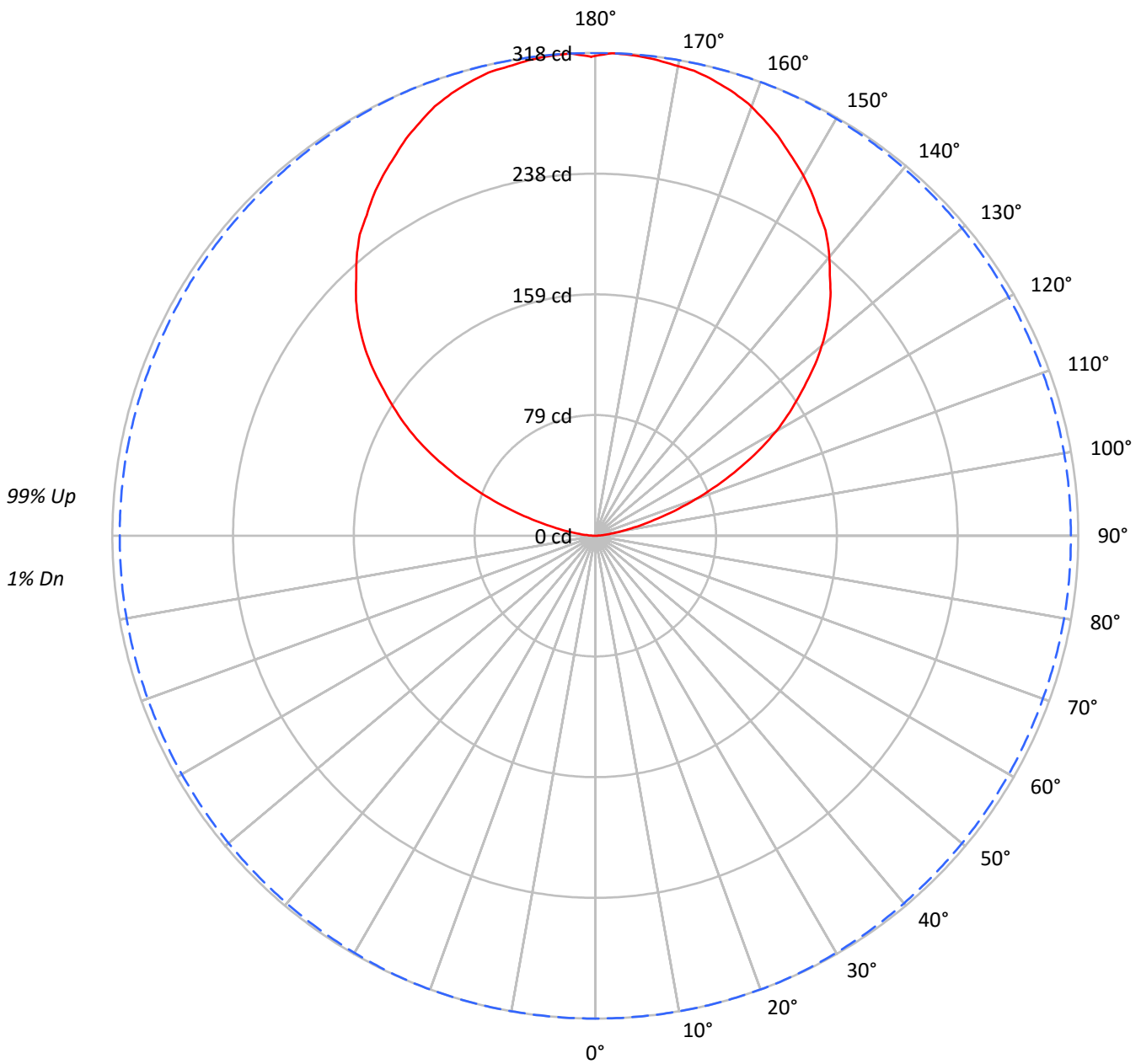
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	146	259
70°	0	159	309
75°	0	276	809
80°	0	504	1362
85°	0	802	2559



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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°	0.6	0.1
70°-80°	1.6	0.2
80°-90°	3.7	0.4
90°-100°	12.8	1.4
100°-110°	56.1	6.2
110°-120°	109.3	12.0
120°-130°	149.6	16.4
130°-140°	168.4	18.5
140°-150°	160.1	17.6
150°-160°	131.7	14.5
160°-170°	86.2	9.5
170°-180°	29.9	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	5.9	0.6
90°-120°	178.2	19.6
90°-150°	656.3	72.1
90°-180°	904.0	99.3
0°-180°	910.0	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	1	1	1	0
75°	0	1	2	2	2	0
85°	0	2	4	4	4	0
90°	0	6	7	6	6	0
95°	6	13	12	9	9	8
105°	43	48	59	61	58	47
115°	107	109	109	113	114	106
125°	169	168	171	166	169	151
135°	221	219	219	219	219	170
145°	259	254	255	256	255	162
155°	289	290	284	284	283	133
165°	310	309	307	300	298	87
175°	317	317	315	312	311	30
180°	315	315	315	315	315	



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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	0.6	1.2	1.2	1.2
67.5°	0.0	0.6	1.2	1.2	1.2
70°	0.0	0.6	1.2	1.2	1.2
72.5°	0.0	0.6	1.2	1.9	1.9
75°	0.0	0.6	1.9	2.5	2.5
77.5°	0.0	0.6	2.5	2.5	2.5
80°	0.0	1.2	3.1	3.1	3.1
82.5°	0.0	1.2	3.7	3.7	3.1
85°	0.0	2.5	4.3	4.3	3.7
87.5°	0.0	3.7	5.6	4.9	4.9
90°	0.0	5.6	6.8	5.6	5.6
92.5°	1.9	8.7	8.7	7.4	6.8
95°	5.6	13.0	11.7	9.3	8.7
97.5°	11.7	19.8	16.7	12.4	11.7
100°	19.8	27.8	27.8	19.2	16.7
102.5°	30.3	37.1	44.5	35.2	29.1
105°	42.7	47.6	59.3	60.6	57.5
107.5°	57.5	60.6	69.8	77.9	80.4
110°	73.6	76.0	82.2	87.8	89.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	90.2	93.3	95.2	102.0	102.0
115°	106.9	108.8	109.4	113.1	114.4
117.5°	124.2	124.2	123.0	125.5	126.7
120°	140.3	139.1	136.6	140.3	139.7
122.5°	154.5	153.3	152.7	154.5	155.1
125°	168.7	167.5	170.6	165.7	168.7
127.5°	183.6	180.5	184.2	176.8	177.4
130°	197.2	194.1	196.6	192.2	189.8
132.5°	209.5	206.5	208.3	207.7	204.0
135°	220.7	218.8	219.4	219.4	219.4
137.5°	230.6	228.1	229.9	229.9	228.7
140°	241.7	237.4	237.4	238.6	238.6
142.5°	251.6	245.4	246.6	247.9	246.6
145°	259.0	254.0	255.3	256.5	255.3
147.5°	267.6	263.9	264.6	262.7	263.3
150°	275.1	272.6	272.0	270.1	269.5
152.5°	281.9	282.5	279.4	276.9	276.3
155°	289.3	289.9	283.7	284.3	283.1
157.5°	295.5	295.5	288.0	290.5	289.9
160°	301.6	300.4	293.6	293.6	294.2
162.5°	306.0	305.4	300.4	295.5	295.5
165°	309.7	309.1	306.6	300.4	297.9
167.5°	312.8	312.2	310.3	306.6	304.7
170°	314.0	313.4	311.5	310.3	309.7
172.5°	315.9	315.9	313.4	310.9	310.9
175°	317.1	317.1	314.6	312.2	310.9
177.5°	317.7	317.7	315.2	313.4	312.8
180°	315.2	315.2	315.2	315.2	315.2

(END OF REPORT)