

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: P179419

Luminaire Tested: **LC-1-27K-1-D10-120-24-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179419
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-1-27K-1-D10-120-24-00
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.
24-INCH MODULE WITH CLEAR LENS
Light Source: (56)2700K CCT, 90 (R9050) CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

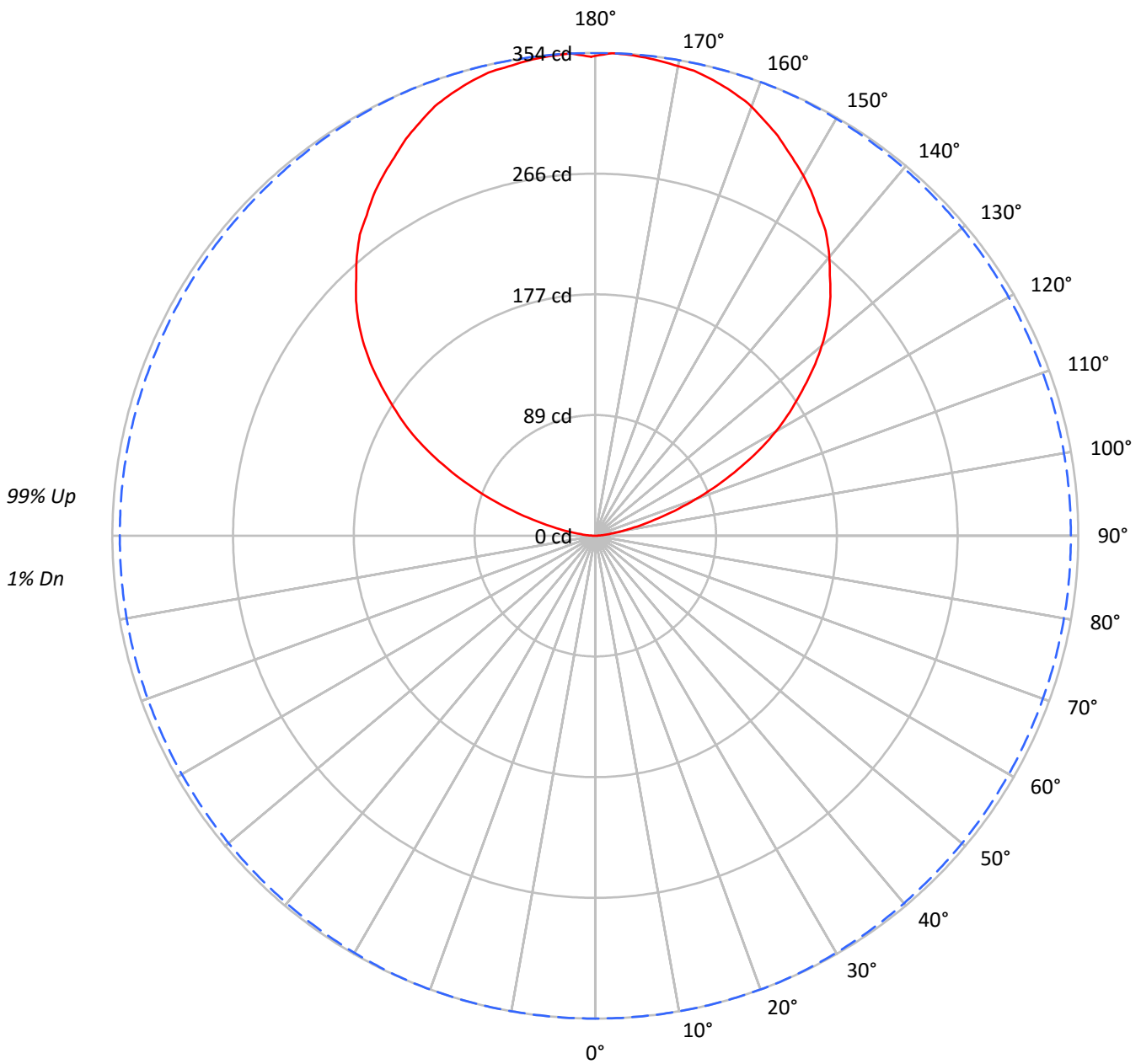
Lumens per Lamp: N/A
Luminaire Lumens: 1014.9 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.1' x H: 0.06')
CIE Type: Indirect

Input Watts (W): 12.5
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	87	160
70°	0	95	195
75°	0	157	501
80°	0	286	859
85°	0	466	1791



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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°	0.7	0.1
70°-80°	1.8	0.2
80°-90°	4.2	0.4
90°-100°	14.3	1.4
100°-110°	62.5	6.2
110°-120°	121.9	12.0
120°-130°	166.8	16.4
130°-140°	187.8	18.5
140°-150°	178.6	17.6
150°-160°	146.9	14.5
160°-170°	96.1	9.5
170°-180°	33.4	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	6.6	0.7
90°-120°	198.7	19.6
90°-150°	731.9	72.1
90°-180°	1008.0	99.3
0°-180°	1014.9	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	3	3	0
85°	0	3	5	5	4	0
90°	0	6	8	6	6	0
95°	6	14	13	10	10	9
105°	48	53	66	68	64	52
115°	119	121	122	126	128	118
125°	188	187	190	185	188	168
135°	246	244	245	245	245	190
145°	289	283	285	286	285	181
155°	323	323	316	317	316	149
165°	345	345	342	335	332	97
175°	354	354	351	348	347	34
180°	352	352	352	352	352	



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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	0.7	1.4	1.4	1.4
67.5°	0.0	0.7	1.4	1.4	1.4
70°	0.0	0.7	1.4	1.4	1.4
72.5°	0.0	0.7	1.4	2.1	2.1
75°	0.0	0.7	2.1	2.8	2.8
77.5°	0.0	0.7	2.8	2.8	2.8
80°	0.0	1.4	3.4	3.4	3.4
82.5°	0.0	1.4	4.1	4.1	3.4
85°	0.0	2.8	4.8	4.8	4.1
87.5°	0.0	4.1	6.2	5.5	5.5
90°	0.0	6.2	7.6	6.2	6.2
92.5°	2.1	9.7	9.7	8.3	7.6
95°	6.2	14.5	13.1	10.3	9.7
97.5°	13.1	22.1	18.6	13.8	13.1
100°	22.1	31.0	31.0	21.4	18.6
102.5°	33.8	41.4	49.6	39.3	32.4
105°	47.6	53.1	66.2	67.6	64.1
107.5°	64.1	67.6	77.9	86.9	89.6
110°	82.0	84.8	91.7	97.9	99.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	100.6	104.1	106.2	113.7	113.7
115°	119.2	121.3	122.0	126.1	127.5
117.5°	138.5	138.5	137.2	139.9	141.3
120°	156.5	155.1	152.3	156.5	155.8
122.5°	172.3	170.9	170.3	172.3	173.0
125°	188.2	186.8	190.2	184.7	188.2
127.5°	204.7	201.3	205.4	197.1	197.8
130°	219.9	216.4	219.2	214.4	211.6
132.5°	233.7	230.2	232.3	231.6	227.5
135°	246.1	244.0	244.7	244.7	244.7
137.5°	257.1	254.4	256.4	256.4	255.0
140°	269.5	264.7	264.7	266.1	266.1
142.5°	280.5	273.7	275.0	276.4	275.0
145°	288.8	283.3	284.7	286.1	284.7
147.5°	298.5	294.3	295.0	293.0	293.6
150°	306.7	304.0	303.3	301.2	300.5
152.5°	314.3	315.0	311.6	308.8	308.1
155°	322.6	323.3	316.4	317.1	315.7
157.5°	329.5	329.5	321.2	324.0	323.3
160°	336.4	335.0	327.4	327.4	328.1
162.5°	341.2	340.5	335.0	329.5	329.5
165°	345.3	344.7	341.9	335.0	332.2
167.5°	348.8	348.1	346.0	341.9	339.8
170°	350.2	349.5	347.4	346.0	345.3
172.5°	352.2	352.2	349.5	346.7	346.7
175°	353.6	353.6	350.9	348.1	346.7
177.5°	354.3	354.3	351.5	349.5	348.8
180°	351.5	351.5	351.5	351.5	351.5

(END OF REPORT)