

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: P179424

Luminaire Tested: **LC-2-27K-1-D10-120-24-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179424
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-D10-120-24-00
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

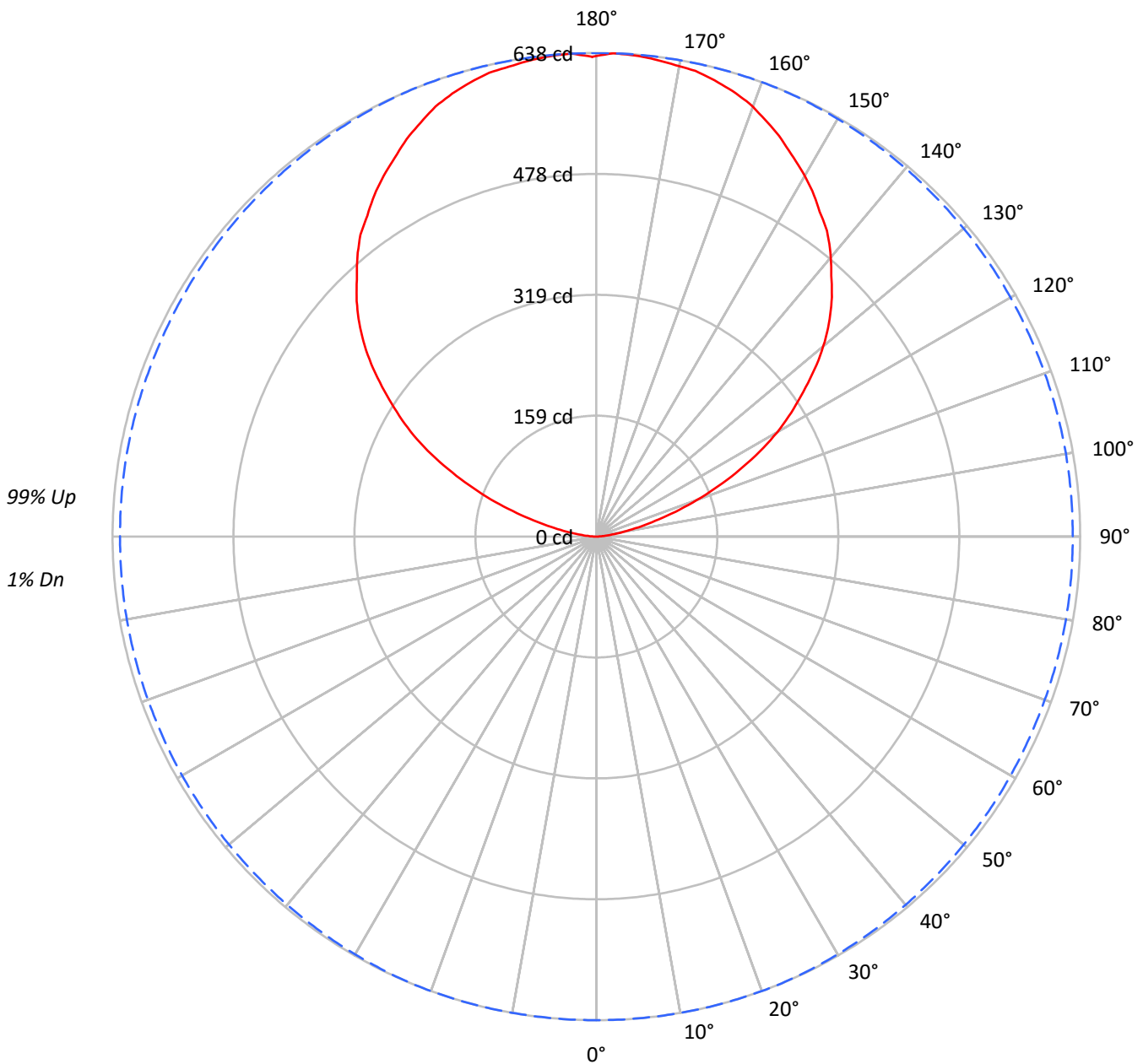
Lumens per Lamp: N/A
Luminaire Lumens: 1827.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.1' x H: 0.06')
CIE Type: Indirect

Input Watts (W): 25
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	156	286
70°	0	170	348
75°	0	277	894
80°	0	522	1567
85°	0	845	3232



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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°	1.2	0.1
70°-80°	3.2	0.2
80°-90°	7.5	0.4
90°-100°	25.6	1.4
100°-110°	112.5	6.2
110°-120°	219.5	12.0
120°-130°	300.3	16.4
130°-140°	338.1	18.5
140°-150°	321.5	17.6
150°-160°	264.5	14.5
160°-170°	173.0	9.5
170°-180°	60.1	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	11.9	0.6
90°-120°	357.7	19.6
90°-150°	1317.6	72.1
90°-180°	1815.0	99.3
0°-180°	1827.0	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	2	2	2	0
75°	0	1	4	5	5	0
85°	0	5	9	9	7	0
90°	0	11	14	11	11	1
95°	11	26	24	19	17	15
105°	86	96	119	122	115	94
115°	215	218	220	227	230	213
125°	339	336	342	333	339	303
135°	443	439	440	440	440	341
145°	520	510	512	515	512	326
155°	581	582	570	571	568	268
165°	622	620	616	603	598	176
175°	637	637	632	627	624	61
180°	633	633	633	633	633	



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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	1.2	2.5	2.5	2.5
67.5°	0.0	1.2	2.5	2.5	2.5
70°	0.0	1.2	2.5	2.5	2.5
72.5°	0.0	1.2	2.5	3.7	3.7
75°	0.0	1.2	3.7	5.0	5.0
77.5°	0.0	1.2	5.0	5.0	5.0
80°	0.0	2.5	6.2	6.2	6.2
82.5°	0.0	2.5	7.4	7.4	6.2
85°	0.0	5.0	8.7	8.7	7.4
87.5°	0.0	7.4	11.2	9.9	9.9
90°	0.0	11.2	13.7	11.2	11.2
92.5°	3.7	17.4	17.4	14.9	13.7
95°	11.2	26.1	23.6	18.6	17.4
97.5°	23.6	39.7	33.5	24.8	23.6
100°	39.7	55.8	55.8	38.5	33.5
102.5°	60.8	74.5	89.3	70.7	58.3
105°	85.6	95.6	119.1	121.6	115.4
107.5°	115.4	121.6	140.2	156.4	161.3
110°	147.7	152.6	165.0	176.2	178.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	181.2	187.4	191.1	204.8	204.8
115°	214.7	218.4	219.6	227.1	229.6
117.5°	249.4	249.4	246.9	251.9	254.4
120°	281.7	279.2	274.2	281.7	280.5
122.5°	310.2	307.8	306.5	310.2	311.5
125°	338.8	336.3	342.5	332.6	338.8
127.5°	368.6	362.4	369.8	354.9	356.1
130°	395.9	389.7	394.6	385.9	381.0
132.5°	420.7	414.5	418.2	417.0	409.5
135°	443.0	439.3	440.5	440.5	440.5
137.5°	462.9	457.9	461.6	461.6	459.1
140°	485.2	476.5	476.5	479.0	479.0
142.5°	505.1	492.6	495.1	497.6	495.1
145°	519.9	510.0	512.5	515.0	512.5
147.5°	537.3	529.9	531.1	527.4	528.6
150°	552.2	547.3	546.0	542.3	541.0
152.5°	565.9	567.1	560.9	555.9	554.7
155°	580.8	582.0	569.6	570.8	568.3
157.5°	593.2	593.2	578.3	583.2	582.0
160°	605.6	603.1	589.4	589.4	590.7
162.5°	614.3	613.0	603.1	593.2	593.2
165°	621.7	620.5	615.5	603.1	598.1
167.5°	627.9	626.7	622.9	615.5	611.8
170°	630.4	629.2	625.4	622.9	621.7
172.5°	634.1	634.1	629.2	624.2	624.2
175°	636.6	636.6	631.6	626.7	624.2
177.5°	637.8	637.8	632.9	629.2	627.9
180°	632.9	632.9	632.9	632.9	632.9

(END OF REPORT)