

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: P179412

Luminaire Tested: **LC-1-40K-1-D10-120-12-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179412
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-1-40K-1-D10-120-12-00
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.
12-INCH MODULE WITH CLEAR LENS
Light Source: (28)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

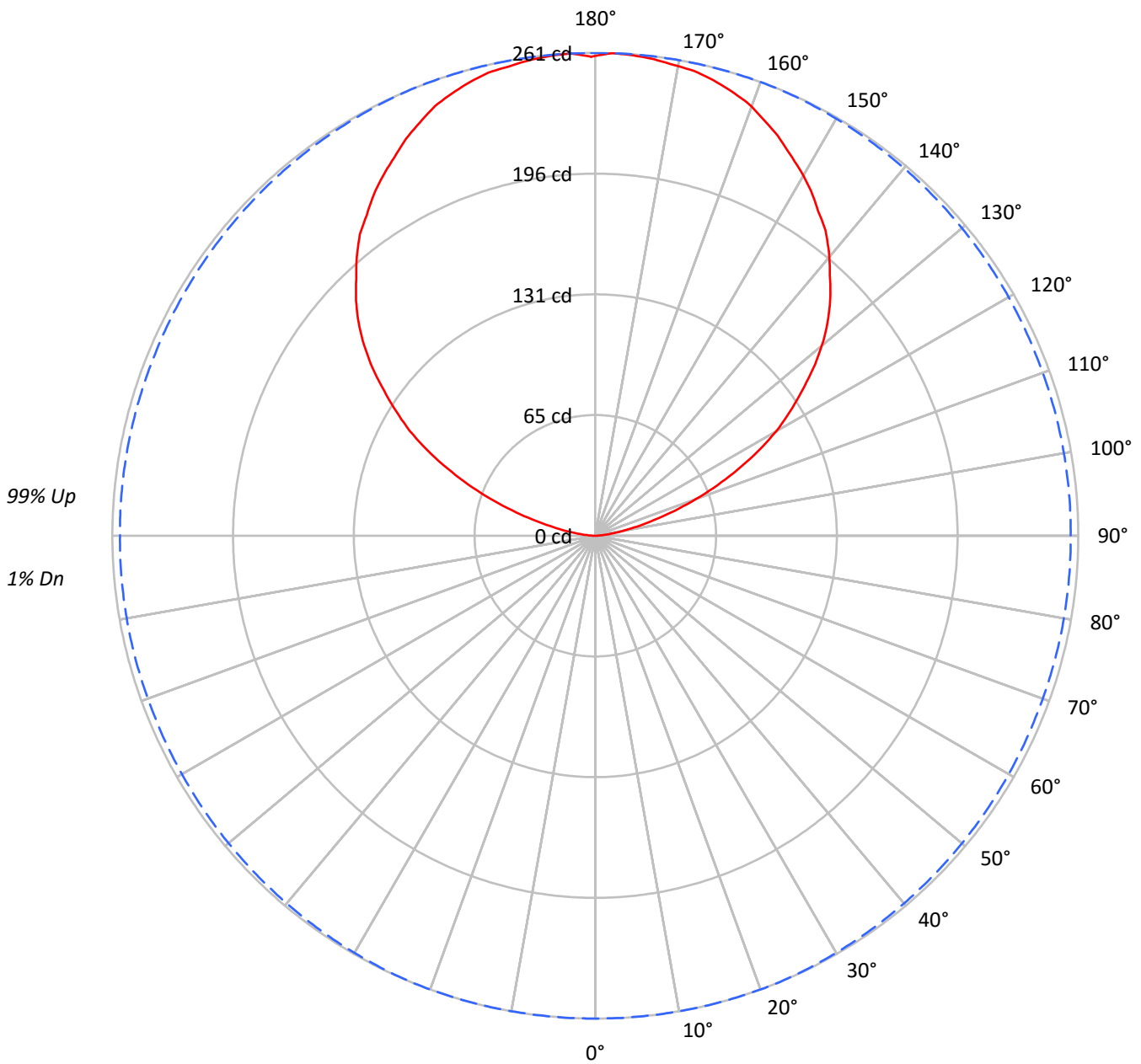
Lumens per Lamp: N/A
Luminaire Lumens: 748.7 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 0.1' x H: 0.06')
CIE Type: Indirect

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	122	216
70°	0	132	258
75°	0	218	647
80°	0	407	1098
85°	0	672	2144



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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°	0.5	0.1
70°-80°	1.3	0.2
80°-90°	3.1	0.4
90°-100°	10.5	1.4
100°-110°	46.1	6.2
110°-120°	90.0	12.0
120°-130°	123.1	16.4
130°-140°	138.6	18.5
140°-150°	131.7	17.6
150°-160°	108.4	14.5
160°-170°	70.9	9.5
170°-180°	24.6	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	4.8	0.6
90°-120°	146.6	19.6
90°-150°	540.0	72.1
90°-180°	744.0	99.4
0°-180°	748.7	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	2	2	2	0
85°	0	2	4	4	3	0
90°	0	5	6	5	5	0
95°	5	11	10	8	7	6
105°	35	39	49	50	47	38
115°	88	90	90	93	94	87
125°	139	138	140	136	139	124
135°	182	180	180	180	180	140
145°	213	209	210	211	210	134
155°	238	238	233	234	233	110
165°	255	254	252	247	245	72
175°	261	261	259	257	256	25
180°	259	259	259	259	259	



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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	1.0	1.0	1.0
67.5°	0.0	0.5	1.0	1.0	1.0
70°	0.0	0.5	1.0	1.0	1.0
72.5°	0.0	0.5	1.0	1.5	1.5
75°	0.0	0.5	1.5	2.0	2.0
77.5°	0.0	0.5	2.0	2.0	2.0
80°	0.0	1.0	2.5	2.5	2.5
82.5°	0.0	1.0	3.1	3.1	2.5
85°	0.0	2.0	3.6	3.6	3.1
87.5°	0.0	3.1	4.6	4.1	4.1
90°	0.0	4.6	5.6	4.6	4.6
92.5°	1.5	7.1	7.1	6.1	5.6
95°	4.6	10.7	9.7	7.6	7.1
97.5°	9.7	16.3	13.7	10.2	9.7
100°	16.3	22.9	22.9	15.8	13.7
102.5°	24.9	30.5	36.6	29.0	23.9
105°	35.1	39.2	48.8	49.8	47.3
107.5°	47.3	49.8	57.5	64.1	66.1
110°	60.5	62.6	67.6	72.2	73.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	74.2	76.8	78.3	83.9	83.9
115°	88.0	89.5	90.0	93.1	94.1
117.5°	102.2	102.2	101.2	103.2	104.3
120°	115.4	114.4	112.4	115.4	114.9
122.5°	127.1	126.1	125.6	127.1	127.6
125°	138.8	137.8	140.4	136.3	138.8
127.5°	151.0	148.5	151.5	145.4	146.0
130°	162.2	159.7	161.7	158.2	156.1
132.5°	172.4	169.9	171.4	170.9	167.8
135°	181.5	180.0	180.5	180.5	180.5
137.5°	189.7	187.7	189.2	189.2	188.2
140°	198.8	195.3	195.3	196.3	196.3
142.5°	207.0	201.9	202.9	203.9	202.9
145°	213.1	209.0	210.0	211.0	210.0
147.5°	220.2	217.1	217.7	216.1	216.6
150°	226.3	224.3	223.8	222.2	221.7
152.5°	231.9	232.4	229.9	227.8	227.3
155°	238.0	238.5	233.4	233.9	232.9
157.5°	243.1	243.1	237.0	239.0	238.5
160°	248.2	247.2	241.6	241.6	242.1
162.5°	251.7	251.2	247.2	243.1	243.1
165°	254.8	254.3	252.2	247.2	245.1
167.5°	257.3	256.8	255.3	252.2	250.7
170°	258.3	257.8	256.3	255.3	254.8
172.5°	259.9	259.9	257.8	255.8	255.8
175°	260.9	260.9	258.8	256.8	255.8
177.5°	261.4	261.4	259.4	257.8	257.3
180°	259.4	259.4	259.4	259.4	259.4

(END OF REPORT)