

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: P179421

Luminaire Tested: **LC-1-35K-1-D10-120-24-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179421
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-1-35K-1-D10-120-24-00
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.
24-INCH MODULE WITH CLEAR LENS
Light Source: (56)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

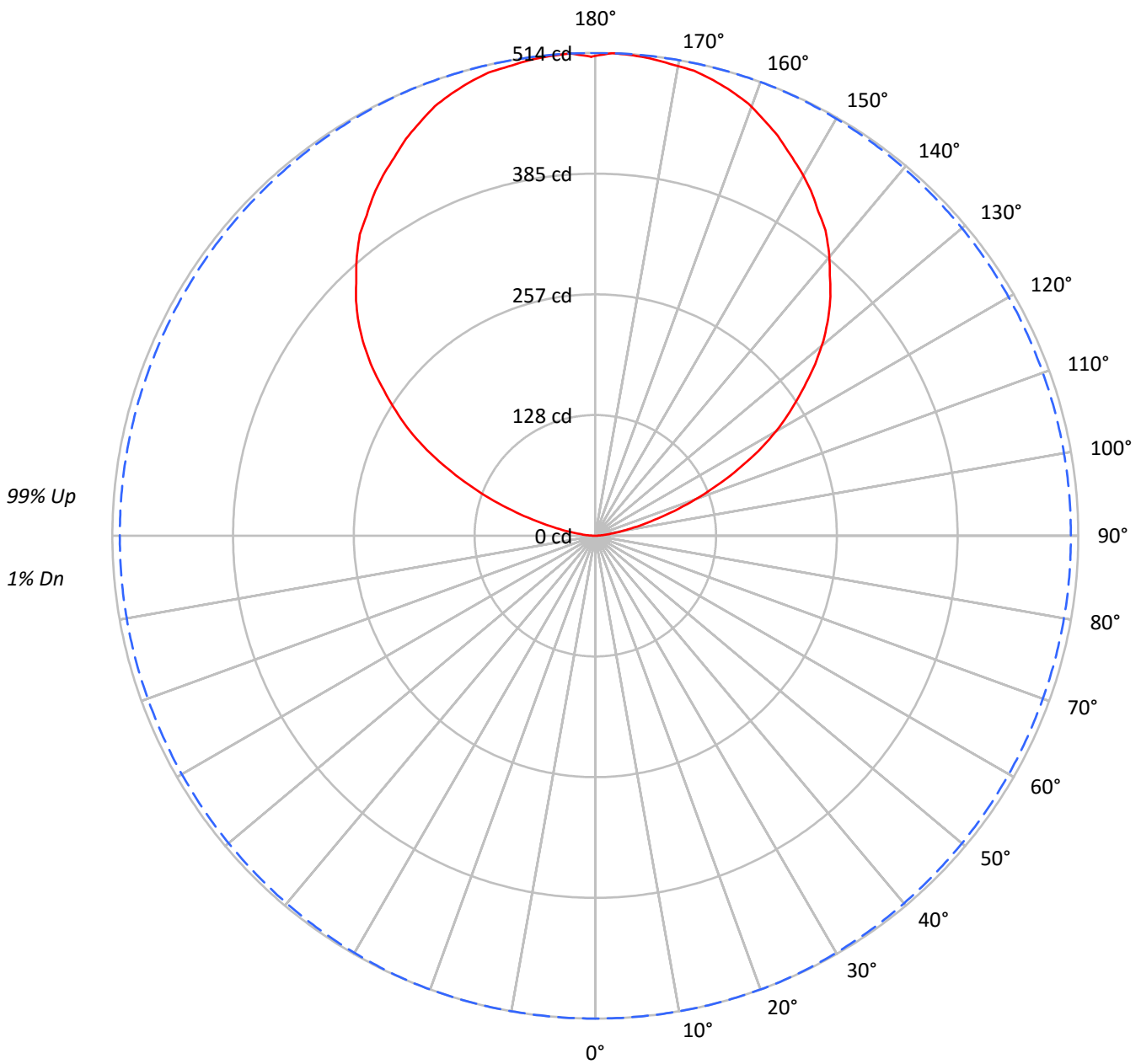
Lumens per Lamp: N/A
Luminaire Lumens: 1472.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.1' x H: 0.06')
CIE Type: Indirect

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	125	229
70°	0	136	278
75°	0	225	715
80°	0	421	1264
85°	0	680	2621



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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°	0.9	0.1
70°-80°	2.6	0.2
80°-90°	6.0	0.4
90°-100°	20.7	1.4
100°-110°	90.7	6.2
110°-120°	176.9	12.0
120°-130°	241.9	16.4
130°-140°	272.4	18.5
140°-150°	259.0	17.6
150°-160°	213.1	14.5
160°-170°	139.3	9.5
170°-180°	48.4	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	9.6	0.6
90°-120°	288.3	19.6
90°-150°	1061.6	72.1
90°-180°	1462.0	99.3
0°-180°	1472.0	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	3	4	4	0
85°	0	4	7	7	6	0
90°	0	9	11	9	9	0
95°	9	21	19	15	14	12
105°	69	77	96	98	93	75
115°	173	176	177	183	185	171
125°	273	271	276	268	273	244
135°	357	354	355	355	355	275
145°	419	411	413	415	413	263
155°	468	469	459	460	458	216
165°	501	500	496	486	482	141
175°	513	513	509	505	503	49
180°	510	510	510	510	510	



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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	1.0	2.0	2.0	2.0
67.5°	0.0	1.0	2.0	2.0	2.0
70°	0.0	1.0	2.0	2.0	2.0
72.5°	0.0	1.0	2.0	3.0	3.0
75°	0.0	1.0	3.0	4.0	4.0
77.5°	0.0	1.0	4.0	4.0	4.0
80°	0.0	2.0	5.0	5.0	5.0
82.5°	0.0	2.0	6.0	6.0	5.0
85°	0.0	4.0	7.0	7.0	6.0
87.5°	0.0	6.0	9.0	8.0	8.0
90°	0.0	9.0	11.0	9.0	9.0
92.5°	3.0	14.0	14.0	12.0	11.0
95°	9.0	21.0	19.0	15.0	14.0
97.5°	19.0	32.0	27.0	20.0	19.0
100°	32.0	45.0	45.0	31.0	27.0
102.5°	49.0	60.0	72.0	57.0	47.0
105°	69.0	77.0	96.0	98.0	93.0
107.5°	93.0	98.0	113.0	126.0	130.0
110°	119.0	123.0	133.0	142.0	144.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	146.0	151.0	154.0	165.0	165.0
115°	173.0	176.0	177.0	183.0	185.0
117.5°	201.0	201.0	199.0	203.0	205.0
120°	227.0	225.0	221.0	227.0	226.0
122.5°	250.0	248.0	247.0	250.0	251.0
125°	272.9	270.9	275.9	267.9	272.9
127.5°	296.9	291.9	297.9	285.9	286.9
130°	318.9	313.9	317.9	310.9	306.9
132.5°	338.9	333.9	336.9	335.9	329.9
135°	356.9	353.9	354.9	354.9	354.9
137.5°	372.9	368.9	371.9	371.9	369.9
140°	390.9	383.9	383.9	385.9	385.9
142.5°	406.9	396.9	398.9	400.9	398.9
145°	418.9	410.9	412.9	414.9	412.9
147.5°	432.9	426.9	427.9	424.9	425.9
150°	444.9	440.9	439.9	436.9	435.9
152.5°	455.9	456.9	451.9	447.9	446.9
155°	467.9	468.9	458.9	459.9	457.9
157.5°	477.9	477.9	465.9	469.9	468.9
160°	487.9	485.9	474.9	474.9	475.9
162.5°	494.9	493.9	485.9	477.9	477.9
165°	500.9	499.9	495.9	485.9	481.9
167.5°	505.9	504.9	501.9	495.9	492.9
170°	507.9	506.9	503.9	501.9	500.9
172.5°	510.9	510.9	506.9	502.9	502.9
175°	512.9	512.9	508.9	504.9	502.9
177.5°	513.9	513.9	509.9	506.9	505.9
180°	509.9	509.9	509.9	509.9	509.9

(END OF REPORT)