

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: P179426

Luminaire Tested: **LC-2-35K-1-D10-120-24-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179426
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-2-35K-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

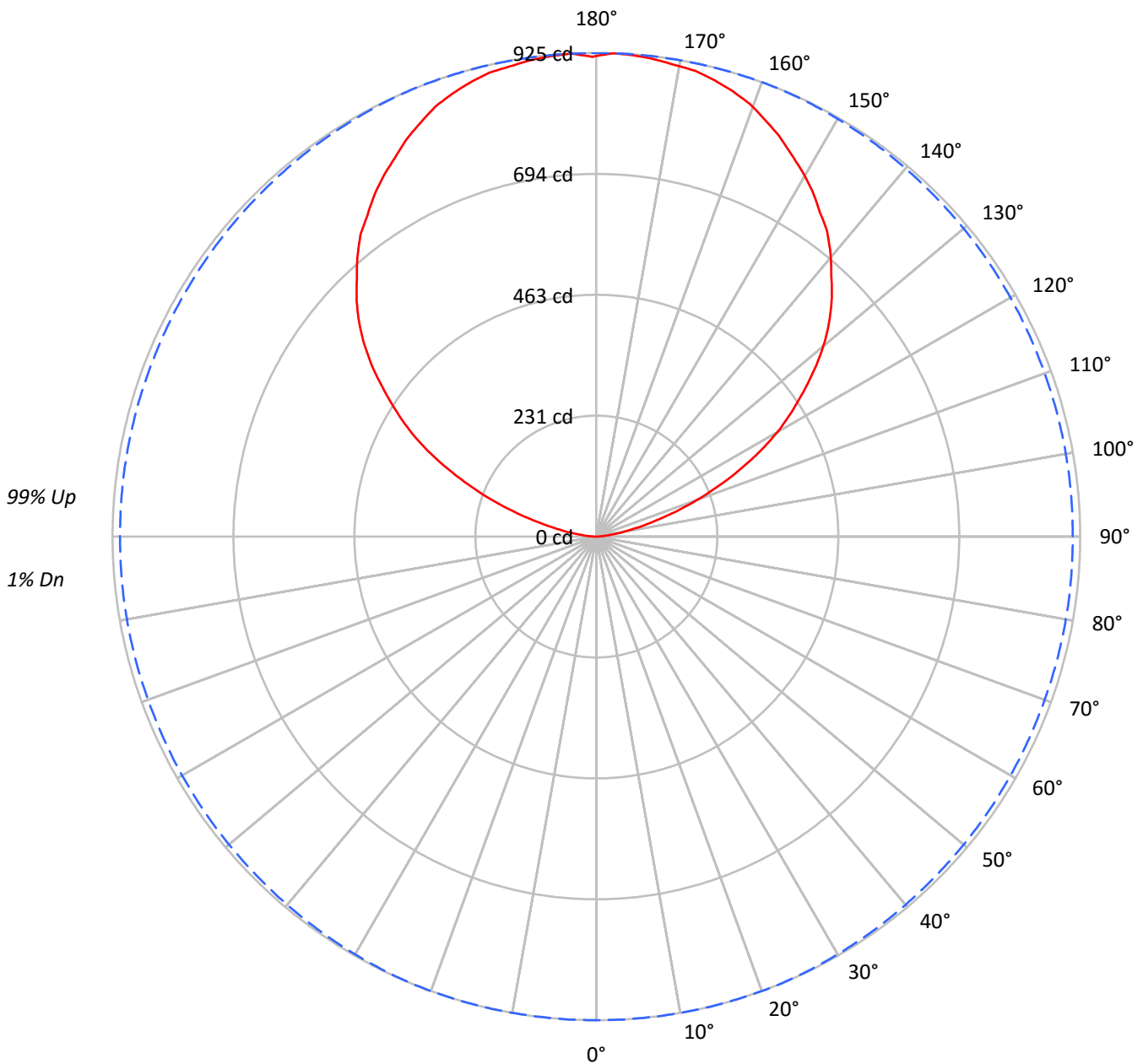
Lumens per Lamp: N/A
Luminaire Lumens: 2650.1 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.1' x H: 0.06')
CIE Type: Indirect

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



TEST NUMBER: P179426
CATALOG NUMBER: LC-2-35K-1-D10-120-24-00

Luminous Intensity Polar Plot



— Vertical Plane Through 0° Lateral - - - Horizontal Cone Through 177.5° Vertical



TEST NUMBER: P179426

CATALOG NUMBER: LC-2-35K-1-D10-120-24-00

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	225	412
70°	0	244	501
75°	0	404	1287
80°	0	758	2275
85°	0	1224	4717



TEST NUMBER: P179426

CATALOG NUMBER: LC-2-35K-1-D10-120-24-00

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°	1.7	0.1
70°-80°	4.6	0.2
80°-90°	10.9	0.4
90°-100°	37.2	1.4
100°-110°	163.3	6.2
110°-120°	318.4	12.0
120°-130°	435.6	16.4
130°-140°	490.5	18.5
140°-150°	466.3	17.6
150°-160°	383.6	14.5
160°-170°	250.9	9.5
170°-180°	87.2	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	17.2	0.6
90°-120°	518.9	19.6
90°-150°	1911.3	72.1
90°-180°	2633.0	99.4
0°-180°	2650.1	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	2	4	4	4	0
75°	0	2	5	7	7	0
85°	0	7	13	13	11	0
90°	0	16	20	16	16	1
95°	16	38	34	27	25	22
105°	124	139	173	176	167	136
115°	311	317	319	329	333	308
125°	491	488	497	482	491	440
135°	643	637	639	639	639	495
145°	754	740	743	747	743	473
155°	842	844	826	828	824	388
165°	902	900	893	875	868	255
175°	923	923	916	909	905	88
180°	918	918	918	918	918	



TEST NUMBER: P179426

CATALOG NUMBER: LC-2-35K-1-D10-120-24-00

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	1.8	3.6	3.6	3.6
67.5°	0.0	1.8	3.6	3.6	3.6
70°	0.0	1.8	3.6	3.6	3.6
72.5°	0.0	1.8	3.6	5.4	5.4
75°	0.0	1.8	5.4	7.2	7.2
77.5°	0.0	1.8	7.2	7.2	7.2
80°	0.0	3.6	9.0	9.0	9.0
82.5°	0.0	3.6	10.8	10.8	9.0
85°	0.0	7.2	12.6	12.6	10.8
87.5°	0.0	10.8	16.2	14.4	14.4
90°	0.0	16.2	19.8	16.2	16.2
92.5°	5.4	25.2	25.2	21.6	19.8
95°	16.2	37.8	34.2	27.0	25.2
97.5°	34.2	57.6	48.6	36.0	34.2
100°	57.6	81.0	81.0	55.8	48.6
102.5°	88.2	108.0	129.6	102.6	84.6
105°	124.2	138.6	172.8	176.4	167.4
107.5°	167.4	176.4	203.4	226.8	234.0
110°	214.2	221.4	239.4	255.6	259.2



TEST NUMBER: P179426

CATALOG NUMBER: LC-2-35K-1-D10-120-24-00

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	262.8	271.8	277.2	297.0	297.0
115°	311.4	316.8	318.6	329.4	333.0
117.5°	361.8	361.8	358.2	365.4	369.0
120°	408.6	405.0	397.8	408.6	406.8
122.5°	450.0	446.4	444.6	450.0	451.8
125°	491.4	487.8	496.8	482.4	491.4
127.5°	534.6	525.6	536.4	514.8	516.6
130°	574.2	565.2	572.4	559.8	552.6
132.5°	610.2	601.2	606.6	604.8	594.0
135°	642.6	637.2	639.0	639.0	639.0
137.5°	671.4	664.2	669.6	669.6	666.0
140°	703.8	691.2	691.2	694.8	694.8
142.5°	732.6	714.6	718.2	721.8	718.2
145°	754.2	739.8	743.4	747.0	743.4
147.5°	779.4	768.6	770.4	765.0	766.8
150°	801.0	793.8	792.0	786.6	784.8
152.5°	820.8	822.6	813.6	806.4	804.6
155°	842.4	844.2	826.2	828.0	824.4
157.5°	860.4	860.4	838.8	846.0	844.2
160°	878.4	874.8	855.0	855.0	856.8
162.5°	891.0	889.2	874.8	860.4	860.4
165°	901.8	900.0	892.8	874.8	867.6
167.5°	910.8	909.0	903.6	892.8	887.4
170°	914.4	912.6	907.2	903.6	901.8
172.5°	919.8	919.8	912.6	905.4	905.4
175°	923.4	923.4	916.2	909.0	905.4
177.5°	925.2	925.2	918.0	912.6	910.8
180°	918.0	918.0	918.0	918.0	918.0

(END OF REPORT)