

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: P179416

Luminaire Tested: **LC-2-35K-1-D10-120-12-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179416
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-D10-120-12-00
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.
12-INCH MODULE WITH CLEAR LENS
Light Source: (28)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1320.0 lumens
Efficiency: N/A
Efficacy: 99.3 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

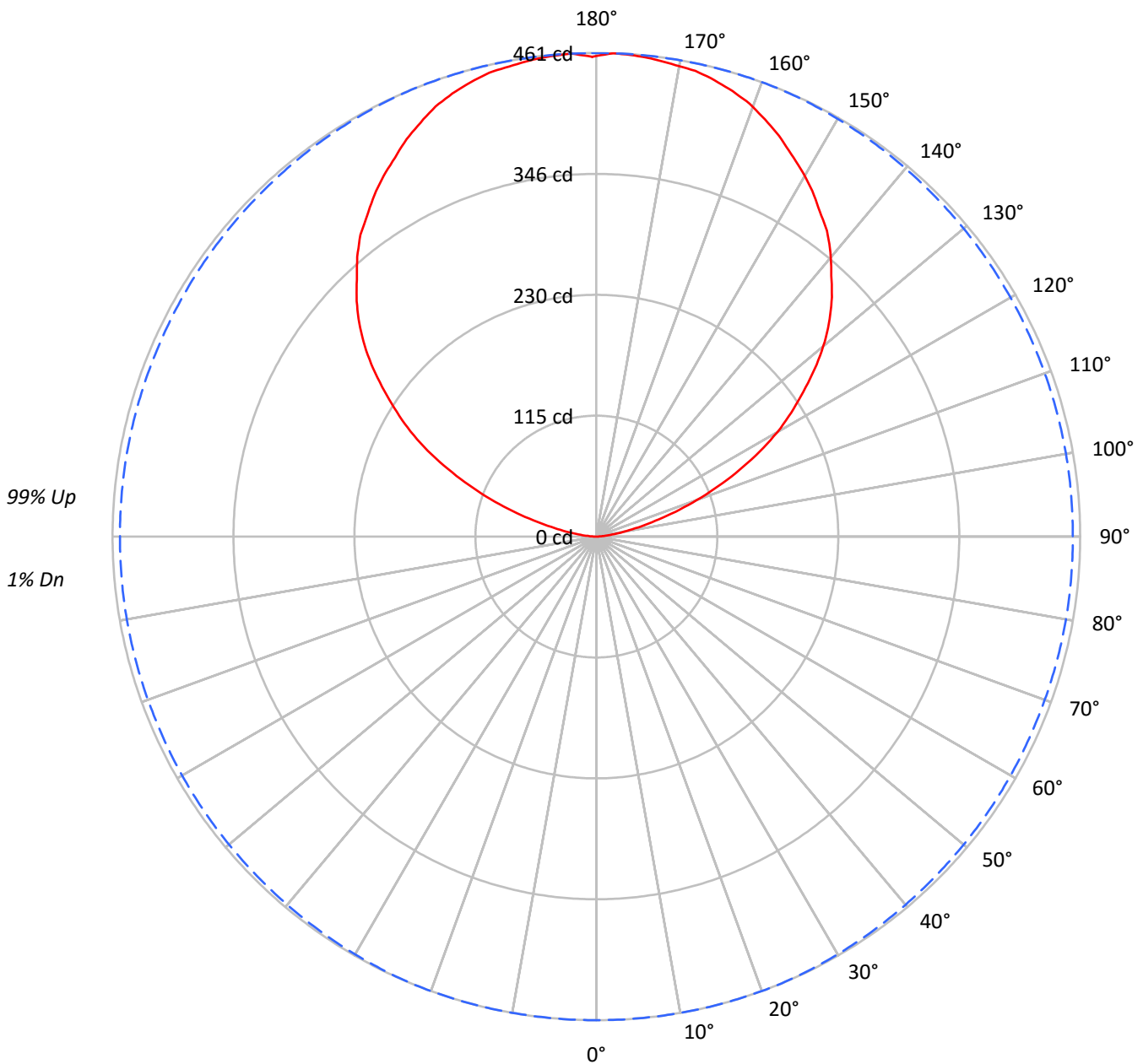
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	220	388
70°	0	238	464
75°	0	392	1165
80°	0	732	1977
85°	0	1175	3734



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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°	0.8	0.1
70°-80°	2.3	0.2
80°-90°	5.4	0.4
90°-100°	18.5	1.4
100°-110°	81.3	6.2
110°-120°	158.6	12.0
120°-130°	217.0	16.4
130°-140°	244.3	18.5
140°-150°	232.3	17.6
150°-160°	191.1	14.5
160°-170°	125.0	9.5
170°-180°	43.4	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	8.6	0.7
90°-120°	258.5	19.6
90°-150°	952.0	72.1
90°-180°	1311.0	99.3
0°-180°	1320.0	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	6	6	5	0
90°	0	8	10	8	8	0
95°	8	19	17	13	13	11
105°	62	69	86	88	83	68
115°	155	158	159	164	166	154
125°	245	243	248	240	245	219
135°	320	317	318	318	318	247
145°	376	368	370	372	370	236
155°	420	420	412	412	411	193
165°	449	448	445	436	432	127
175°	460	460	456	453	451	44
180°	457	457	457	457	457	



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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	0.9	1.8	1.8	1.8
67.5°	0.0	0.9	1.8	1.8	1.8
70°	0.0	0.9	1.8	1.8	1.8
72.5°	0.0	0.9	1.8	2.7	2.7
75°	0.0	0.9	2.7	3.6	3.6
77.5°	0.0	0.9	3.6	3.6	3.6
80°	0.0	1.8	4.5	4.5	4.5
82.5°	0.0	1.8	5.4	5.4	4.5
85°	0.0	3.6	6.3	6.3	5.4
87.5°	0.0	5.4	8.1	7.2	7.2
90°	0.0	8.1	9.9	8.1	8.1
92.5°	2.7	12.6	12.6	10.8	9.9
95°	8.1	18.8	17.0	13.4	12.6
97.5°	17.0	28.7	24.2	17.9	17.0
100°	28.7	40.3	40.3	27.8	24.2
102.5°	43.9	53.8	64.6	51.1	42.1
105°	61.9	69.0	86.1	87.9	83.4
107.5°	83.4	87.9	101.3	113.0	116.6
110°	106.7	110.3	119.2	127.3	129.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	130.9	135.4	138.1	147.9	147.9
115°	155.1	157.8	158.7	164.1	165.9
117.5°	180.2	180.2	178.4	182.0	183.8
120°	203.5	201.7	198.1	203.5	202.6
122.5°	224.1	222.3	221.5	224.1	225.0
125°	244.8	243.0	247.5	240.3	244.8
127.5°	266.3	261.8	267.2	256.4	257.3
130°	286.0	281.5	285.1	278.8	275.2
132.5°	303.9	299.5	302.1	301.2	295.9
135°	320.1	317.4	318.3	318.3	318.3
137.5°	334.4	330.8	333.5	333.5	331.7
140°	350.6	344.3	344.3	346.1	346.1
142.5°	364.9	355.9	357.7	359.5	357.7
145°	375.7	368.5	370.3	372.1	370.3
147.5°	388.2	382.8	383.7	381.0	381.9
150°	399.0	395.4	394.5	391.8	390.9
152.5°	408.8	409.7	405.2	401.7	400.8
155°	419.6	420.5	411.5	412.4	410.6
157.5°	428.6	428.6	417.8	421.4	420.5
160°	437.5	435.7	425.9	425.9	426.8
162.5°	443.8	442.9	435.7	428.6	428.6
165°	449.2	448.3	444.7	435.7	432.1
167.5°	453.7	452.8	450.1	444.7	442.0
170°	455.5	454.6	451.9	450.1	449.2
172.5°	458.1	458.1	454.6	451.0	451.0
175°	459.9	459.9	456.4	452.8	451.0
177.5°	460.8	460.8	457.2	454.6	453.7
180°	457.2	457.2	457.2	457.2	457.2

(END OF REPORT)