

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: P179425

Luminaire Tested: **LC-2-30K-1-D10-120-24-00**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179425  
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-2-30K-1-D10-120-24-00  
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.  
24-INCH MODULE WITH CLEAR LENS  
Light Source: (56)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

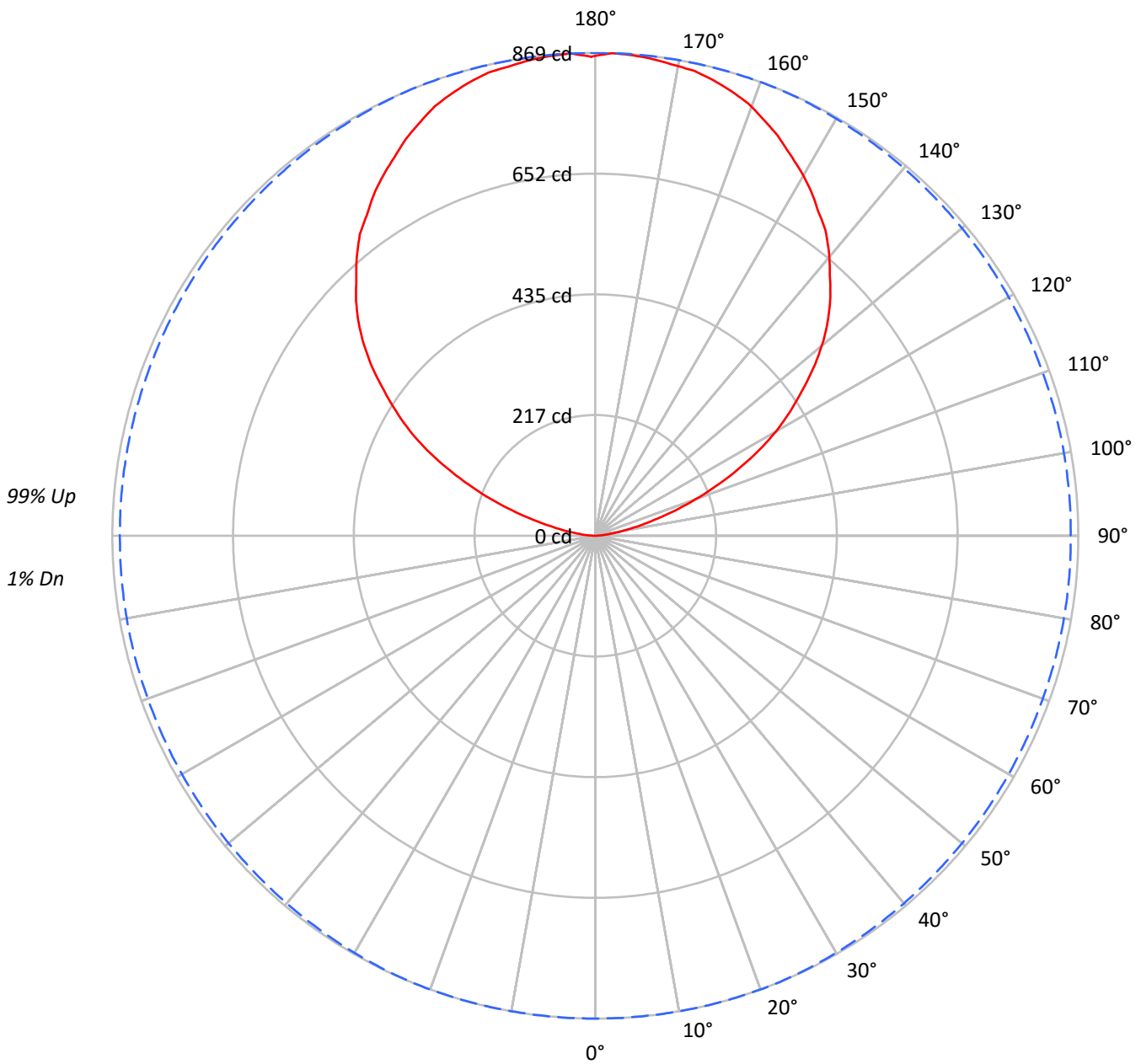
Lumens per Lamp: N/A  
Luminaire Lumens: 2489.0 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.1' x H: 0.06')  
CIE Type: Indirect

Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	212	390
70°	0	231	473
75°	0	382	1216
80°	0	716	2148
85°	0	1146	4412



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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°	1.6	0.1
70°-80°	4.4	0.2
80°-90°	10.2	0.4
90°-100°	34.9	1.4
100°-110°	153.3	6.2
110°-120°	299.1	12.0
120°-130°	409.1	16.4
130°-140°	460.7	18.5
140°-150°	438.0	17.6
150°-160°	360.3	14.5
160°-170°	235.6	9.5
170°-180°	81.9	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	16.2	0.6
90°-120°	487.3	19.6
90°-150°	1795.1	72.1
90°-180°	2473.0	99.4
0°-180°	2489.0	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	2	3	3	3	0
75°	0	2	5	7	7	0
85°	0	7	12	12	10	0
90°	0	15	19	15	15	1
95°	15	36	32	25	24	21
105°	117	130	162	166	157	127
115°	292	298	299	309	313	290
125°	462	458	467	453	462	413
135°	604	598	600	600	600	465
145°	708	695	698	702	698	444
155°	791	793	776	778	774	365
165°	847	845	838	822	815	239
175°	867	867	860	854	850	82
180°	862	862	862	862	862	



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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	1.7	3.4	3.4	3.4
67.5°	0.0	1.7	3.4	3.4	3.4
70°	0.0	1.7	3.4	3.4	3.4
72.5°	0.0	1.7	3.4	5.1	5.1
75°	0.0	1.7	5.1	6.8	6.8
77.5°	0.0	1.7	6.8	6.8	6.8
80°	0.0	3.4	8.5	8.5	8.5
82.5°	0.0	3.4	10.1	10.1	8.5
85°	0.0	6.8	11.8	11.8	10.1
87.5°	0.0	10.1	15.2	13.5	13.5
90°	0.0	15.2	18.6	15.2	15.2
92.5°	5.1	23.7	23.7	20.3	18.6
95°	15.2	35.5	32.1	25.4	23.7
97.5°	32.1	54.1	45.6	33.8	32.1
100°	54.1	76.1	76.1	52.4	45.6
102.5°	82.8	101.4	121.7	96.4	79.5
105°	116.6	130.2	162.3	165.7	157.2
107.5°	157.2	165.7	191.0	213.0	219.8
110°	201.2	207.9	224.8	240.1	243.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	246.8	255.3	260.3	278.9	278.9
115°	292.5	297.5	299.2	309.4	312.8
117.5°	339.8	339.8	336.4	343.2	346.6
120°	383.8	380.4	373.6	383.8	382.1
122.5°	422.6	419.3	417.6	422.6	424.3
125°	461.5	458.1	466.6	453.1	461.5
127.5°	502.1	493.6	503.8	483.5	485.2
130°	539.3	530.8	537.6	525.8	519.0
132.5°	573.1	564.7	569.7	568.0	557.9
135°	603.5	598.5	600.2	600.2	600.2
137.5°	630.6	623.8	628.9	628.9	625.5
140°	661.0	649.2	649.2	652.6	652.6
142.5°	688.1	671.2	674.5	677.9	674.5
145°	708.3	694.8	698.2	701.6	698.2
147.5°	732.0	721.9	723.6	718.5	720.2
150°	752.3	745.5	743.9	738.8	737.1
152.5°	770.9	772.6	764.1	757.4	755.7
155°	791.2	792.9	776.0	777.7	774.3
157.5°	808.1	808.1	787.8	794.6	792.9
160°	825.0	821.6	803.0	803.0	804.7
162.5°	836.8	835.1	821.6	808.1	808.1
165°	847.0	845.3	838.5	821.6	814.9
167.5°	855.4	853.7	848.7	838.5	833.5
170°	858.8	857.1	852.0	848.7	847.0
172.5°	863.9	863.9	857.1	850.4	850.4
175°	867.3	867.3	860.5	853.7	850.4
177.5°	869.0	869.0	862.2	857.1	855.4
180°	862.2	862.2	862.2	862.2	862.2

(END OF REPORT)