

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: P179427

Luminaire Tested: **LC-2-40K-1-D10-120-24-00**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179427
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-2-40K-1-D10-120-24-00
Description: AMETRIX ARCHITECTURAL LED COVE LUMINAIRE.
24-INCH MODULE WITH CLEAR LENS
Light Source: (56)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

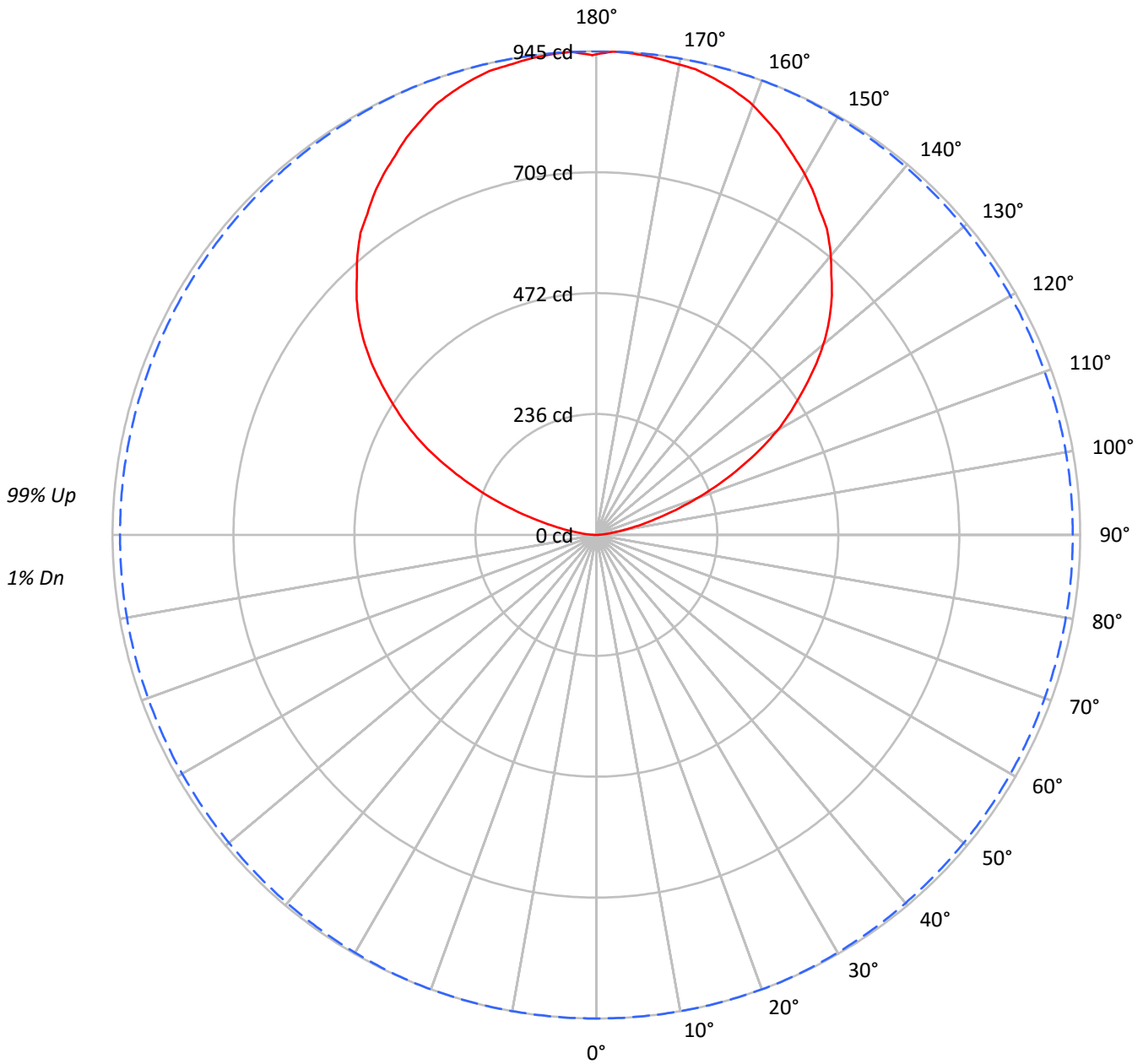
Lumens per Lamp: N/A
Luminaire Lumens: 2706.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 0.1' x H: 0.06')
CIE Type: Indirect

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



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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	231	424
70°	0	251	515
75°	0	412	1323
80°	0	775	2325
85°	0	1253	4805



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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°	1.7	0.1
70°-80°	4.7	0.2
80°-90°	11.1	0.4
90°-100°	38.0	1.4
100°-110°	166.7	6.2
110°-120°	325.2	12.0
120°-130°	444.8	16.4
130°-140°	500.8	18.5
140°-150°	476.1	17.6
150°-160°	391.7	14.5
160°-170°	256.2	9.5
170°-180°	89.0	3.3
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	17.6	0.6
90°-120°	529.8	19.6
90°-150°	1951.6	72.1
90°-180°	2688.0	99.3
0°-180°	2706.0	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	4	4	4	0
75°	0	2	6	7	7	0
85°	0	7	13	13	11	0
90°	0	16	20	16	16	1
95°	16	39	35	28	26	23
105°	127	142	176	180	171	139
115°	318	324	325	336	340	315
125°	502	498	507	493	502	449
135°	656	651	652	652	652	505
145°	770	755	759	763	759	483
155°	860	862	844	846	842	396
165°	921	919	912	893	886	260
175°	943	943	936	928	924	90
180°	937	937	937	937	937	



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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	1.8	3.7	3.7	3.7
67.5°	0.0	1.8	3.7	3.7	3.7
70°	0.0	1.8	3.7	3.7	3.7
72.5°	0.0	1.8	3.7	5.5	5.5
75°	0.0	1.8	5.5	7.4	7.4
77.5°	0.0	1.8	7.4	7.4	7.4
80°	0.0	3.7	9.2	9.2	9.2
82.5°	0.0	3.7	11.0	11.0	9.2
85°	0.0	7.4	12.9	12.9	11.0
87.5°	0.0	11.0	16.5	14.7	14.7
90°	0.0	16.5	20.2	16.5	16.5
92.5°	5.5	25.7	25.7	22.1	20.2
95°	16.5	38.6	34.9	27.6	25.7
97.5°	34.9	58.8	49.6	36.8	34.9
100°	58.8	82.7	82.7	57.0	49.6
102.5°	90.1	110.3	132.3	104.8	86.4
105°	126.8	141.5	176.4	180.1	170.9
107.5°	170.9	180.1	207.7	231.6	238.9
110°	218.7	226.1	244.4	261.0	264.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	268.3	277.5	283.0	303.3	303.3
115°	318.0	323.5	325.3	336.3	340.0
117.5°	369.4	369.4	365.8	373.1	376.8
120°	417.2	413.5	406.2	417.2	415.4
122.5°	459.5	455.8	454.0	459.5	461.3
125°	501.8	498.1	507.3	492.6	501.8
127.5°	545.9	536.7	547.7	525.7	527.5
130°	586.3	577.1	584.5	571.6	564.3
132.5°	623.1	613.9	619.4	617.6	606.5
135°	656.2	650.6	652.5	652.5	652.5
137.5°	685.6	678.2	683.7	683.7	680.0
140°	718.6	705.8	705.8	709.5	709.5
142.5°	748.1	729.7	733.3	737.0	733.3
145°	770.1	755.4	759.1	762.8	759.1
147.5°	795.8	784.8	786.6	781.1	783.0
150°	817.9	810.5	808.7	803.2	801.4
152.5°	838.1	839.9	830.8	823.4	821.6
155°	860.2	862.0	843.6	845.5	841.8
157.5°	878.5	878.5	856.5	863.8	862.0
160°	896.9	893.2	873.0	873.0	874.9
162.5°	909.8	908.0	893.2	878.5	878.5
165°	920.8	919.0	911.6	893.2	885.9
167.5°	930.0	928.2	922.7	911.6	906.1
170°	933.7	931.8	926.3	922.7	920.8
172.5°	939.2	939.2	931.8	924.5	924.5
175°	942.9	942.9	935.5	928.2	924.5
177.5°	944.7	944.7	937.4	931.8	930.0
180°	937.4	937.4	937.4	937.4	937.4

(END OF REPORT)