

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: METALUX

Report Number: P568457

Luminaire Tested: **24CGTX-40HE-L935**

Issue Date: 9/19/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P568457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-40HE-L935  
Description: 2X4 4000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

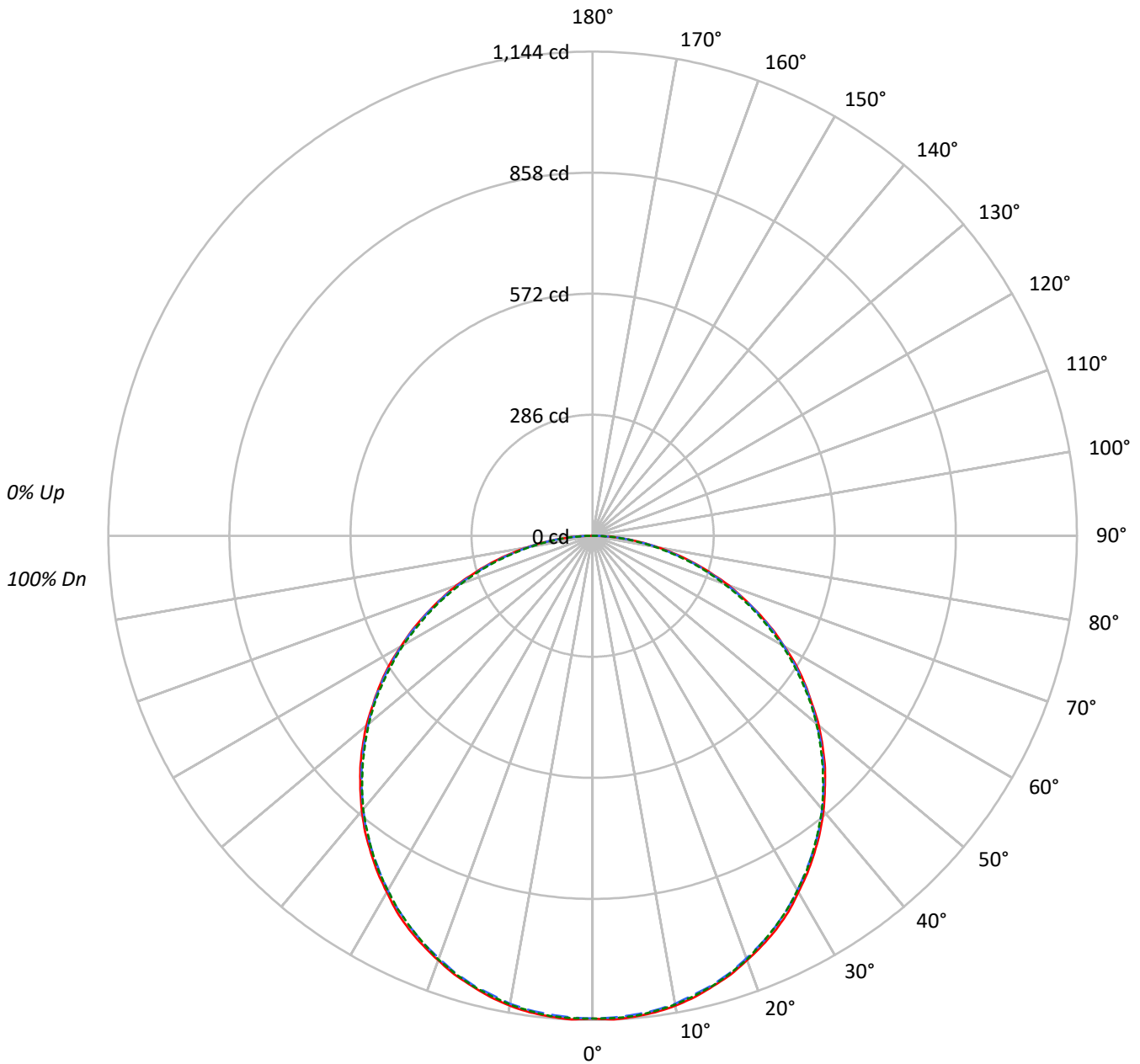
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3352.0 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30  
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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1535	1535	1535
5°	1541	1534	1539
10°	1541	1534	1536
15°	1534	1530	1532
20°	1528	1521	1526
25°	1524	1514	1514
30°	1511	1503	1503
35°	1501	1493	1493
40°	1490	1481	1481
45°	1477	1468	1462
50°	1461	1447	1444
55°	1438	1430	1418
60°	1407	1403	1390
65°	1373	1368	1348
70°	1344	1318	1292
75°	1291	1258	1232
80°	1216	1190	1140
85°	1110	1085	1034



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.1	3.2
10°-20°	309.9	9.2
20°-30°	470.4	14.0
30°-40°	569.1	17.0
40°-50°	594.5	17.7
50°-60°	543.8	16.2
60°-70°	423.3	12.6
70°-80°	255.1	7.6
80°-90°	77.8	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	888.4	26.5
0°-40°	1457.5	43.5
0°-60°	2595.9	77.4
0°-90°	3352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3352.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1141	1141	1141	1141	1141	
5°	1141	1138	1136	1136	1139	108
15°	1102	1098	1098	1097	1100	311
25°	1026	1021	1020	1018	1020	473
35°	914	910	909	909	909	572
45°	776	771	771	768	768	598
55°	613	611	610	605	605	547
65°	431	431	430	423	423	428
75°	248	245	242	237	237	261
85°	72	70	70	67	67	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1140.7	1140.7	1140.7	1140.7	1140.7
2.5°	1144.0	1140.7	1139.1	1139.1	1140.7
5°	1140.7	1137.5	1135.8	1135.8	1139.1
7.5°	1135.8	1130.9	1130.9	1129.3	1132.6
10°	1127.6	1122.7	1122.7	1121.1	1124.4
12.5°	1116.2	1111.3	1109.7	1109.7	1112.9
15°	1101.5	1098.2	1098.2	1096.6	1099.9
17.5°	1086.8	1081.9	1081.9	1080.3	1083.5
20°	1067.2	1063.9	1062.3	1062.3	1065.5
22.5°	1047.6	1044.3	1042.7	1042.7	1042.7
25°	1026.3	1021.4	1019.8	1018.2	1019.8
27.5°	1001.8	995.3	995.3	993.6	995.3
30°	972.4	969.1	967.5	965.9	967.5
32.5°	944.6	939.7	938.1	939.7	939.7
35°	913.6	910.3	908.7	908.7	908.7
37.5°	882.5	877.6	877.6	876.0	876.0
40°	848.2	844.9	843.3	843.3	843.3
42.5°	812.2	809.0	807.3	805.7	805.7
45°	776.3	771.4	771.4	768.1	768.1
47.5°	737.1	733.8	732.2	728.9	728.9
50°	697.8	694.6	691.3	691.3	689.7
52.5°	653.7	653.7	652.1	648.8	648.8
55°	612.9	611.2	609.6	604.7	604.7
57.5°	570.4	568.7	565.5	560.6	560.6
60°	523.0	523.0	521.3	514.8	516.4
62.5°	478.8	477.2	475.6	470.7	469.0
65°	431.4	431.4	429.8	423.3	423.3
67.5°	385.7	385.7	382.4	375.9	375.9
70°	341.6	336.7	335.0	330.1	328.5
72.5°	292.5	290.9	287.6	282.7	282.7
75°	248.4	245.1	241.9	237.0	237.0
77.5°	201.0	197.7	194.5	192.8	189.6
80°	156.9	155.3	153.6	148.7	147.1
82.5°	112.8	111.1	109.5	107.9	106.2
85°	71.9	70.3	70.3	67.0	67.0
87.5°	31.1	32.7	29.4	31.1	29.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)