

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: P568542

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

Issue Date: 9/19/2022

**Test Information**

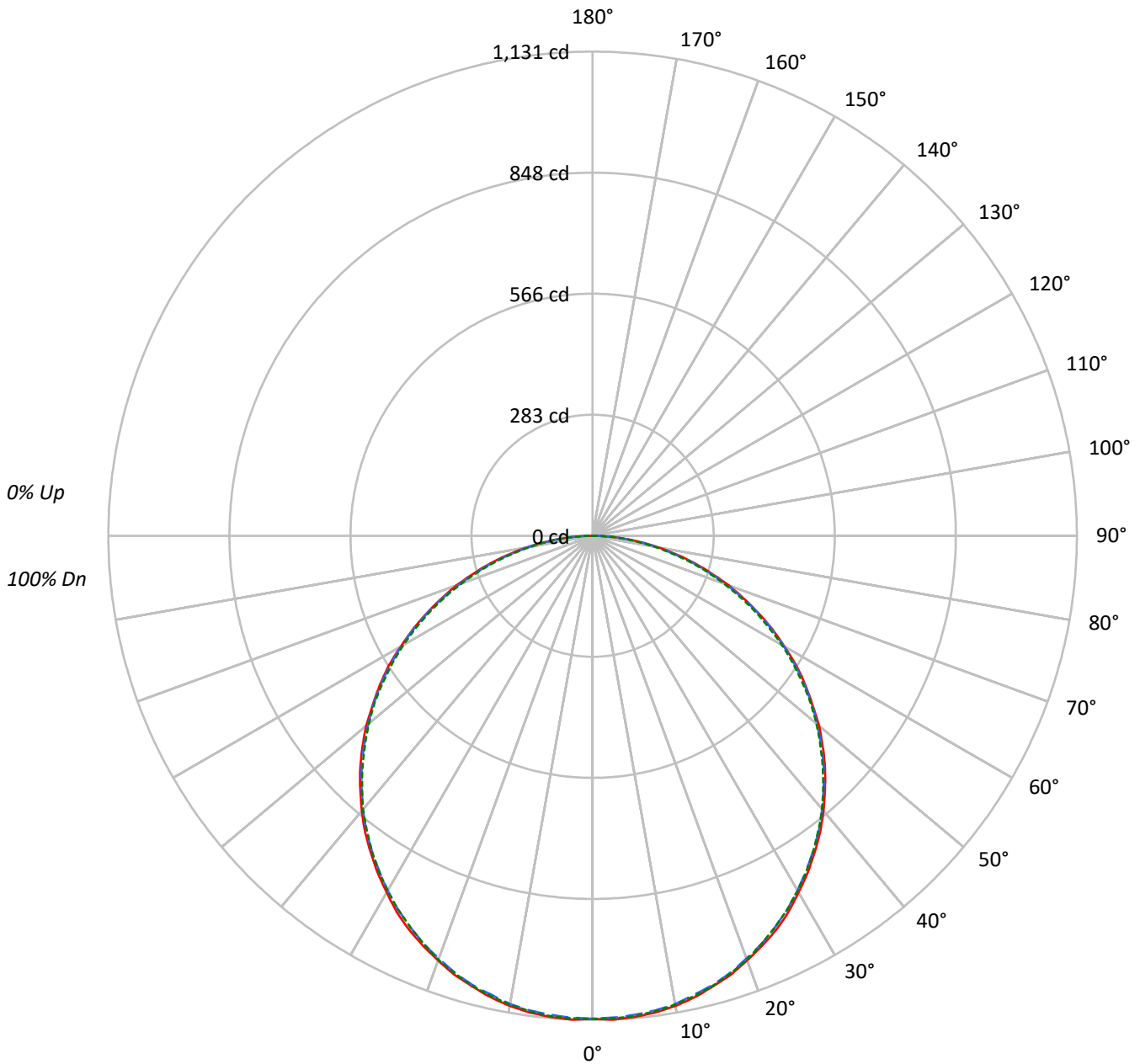
Test Method: LM-79-08  
Report Number: P568542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-40-L935  
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3315.0 lumens  
Efficiency: N/A  
Efficacy: 109.4 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): 30.3  
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	23																			

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

	0°	45°	90°
0°	1518	1518	1518
5°	1524	1517	1521
10°	1524	1517	1519
15°	1517	1513	1515
20°	1511	1504	1509
25°	1507	1497	1497
30°	1494	1487	1487
35°	1484	1476	1476
40°	1473	1465	1465
45°	1461	1452	1445
50°	1445	1431	1428
55°	1422	1414	1403
60°	1392	1387	1374
65°	1358	1353	1333
70°	1329	1303	1278
75°	1277	1243	1219
80°	1203	1177	1127
85°	1098	1073	1024



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.9	3.2
10°-20°	306.5	9.2
20°-30°	465.2	14.0
30°-40°	562.8	17.0
40°-50°	588.0	17.7
50°-60°	537.8	16.2
60°-70°	418.6	12.6
70°-80°	252.3	7.6
80°-90°	76.9	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°	878.6	26.5
0°-40°	1441.4	43.5
0°-60°	2567.2	77.4
0°-90°	3315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3315.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1128	1125	1123	1123	1126	107
15°	1089	1086	1086	1084	1088	308
25°	1015	1010	1008	1007	1008	467
35°	904	900	899	899	899	566
45°	768	763	763	760	760	592
55°	606	604	603	598	598	541
65°	427	427	425	419	419	423
75°	246	242	239	234	234	259
85°	71	70	70	66	66	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1128.1	1128.1	1128.1	1128.1	1128.1
2.5°	1131.4	1128.1	1126.5	1126.5	1128.1
5°	1128.1	1124.9	1123.3	1123.3	1126.5
7.5°	1123.3	1118.4	1118.4	1116.8	1120.1
10°	1115.2	1110.4	1110.4	1108.7	1112.0
12.5°	1103.9	1099.0	1097.4	1097.4	1100.7
15°	1089.3	1086.1	1086.1	1084.5	1087.7
17.5°	1074.8	1069.9	1069.9	1068.3	1071.6
20°	1055.4	1052.2	1050.6	1050.6	1053.8
22.5°	1036.0	1032.8	1031.2	1031.2	1031.2
25°	1015.0	1010.1	1008.5	1006.9	1008.5
27.5°	990.8	984.3	984.3	982.7	984.3
30°	961.7	958.4	956.8	955.2	956.8
32.5°	934.2	929.3	927.7	929.3	929.3
35°	903.5	900.2	898.6	898.6	898.6
37.5°	872.8	867.9	867.9	866.3	866.3
40°	838.8	835.6	834.0	834.0	834.0
42.5°	803.3	800.0	798.4	796.8	796.8
45°	767.7	762.9	762.9	759.6	759.6
47.5°	728.9	725.7	724.1	720.8	720.8
50°	690.1	686.9	683.7	683.7	682.1
52.5°	646.5	646.5	644.9	641.6	641.6
55°	606.1	604.5	602.9	598.0	598.0
57.5°	564.1	562.4	559.2	554.4	554.4
60°	517.2	517.2	515.6	509.1	510.7
62.5°	473.6	471.9	470.3	465.5	463.9
65°	426.7	426.7	425.1	418.6	418.6
67.5°	381.4	381.4	378.2	371.7	371.7
70°	337.8	332.9	331.3	326.5	324.9
72.5°	289.3	287.7	284.5	279.6	279.6
75°	245.7	242.4	239.2	234.4	234.4
77.5°	198.8	195.6	192.3	190.7	187.5
80°	155.2	153.5	151.9	147.1	145.5
82.5°	111.5	109.9	108.3	106.7	105.1
85°	71.1	69.5	69.5	66.3	66.3
87.5°	30.7	32.3	29.1	30.7	29.1
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)