

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: P568582

Luminaire Tested: **24CGTX-40-L950**

Issue Date: 9/19/2022



**Test Information**

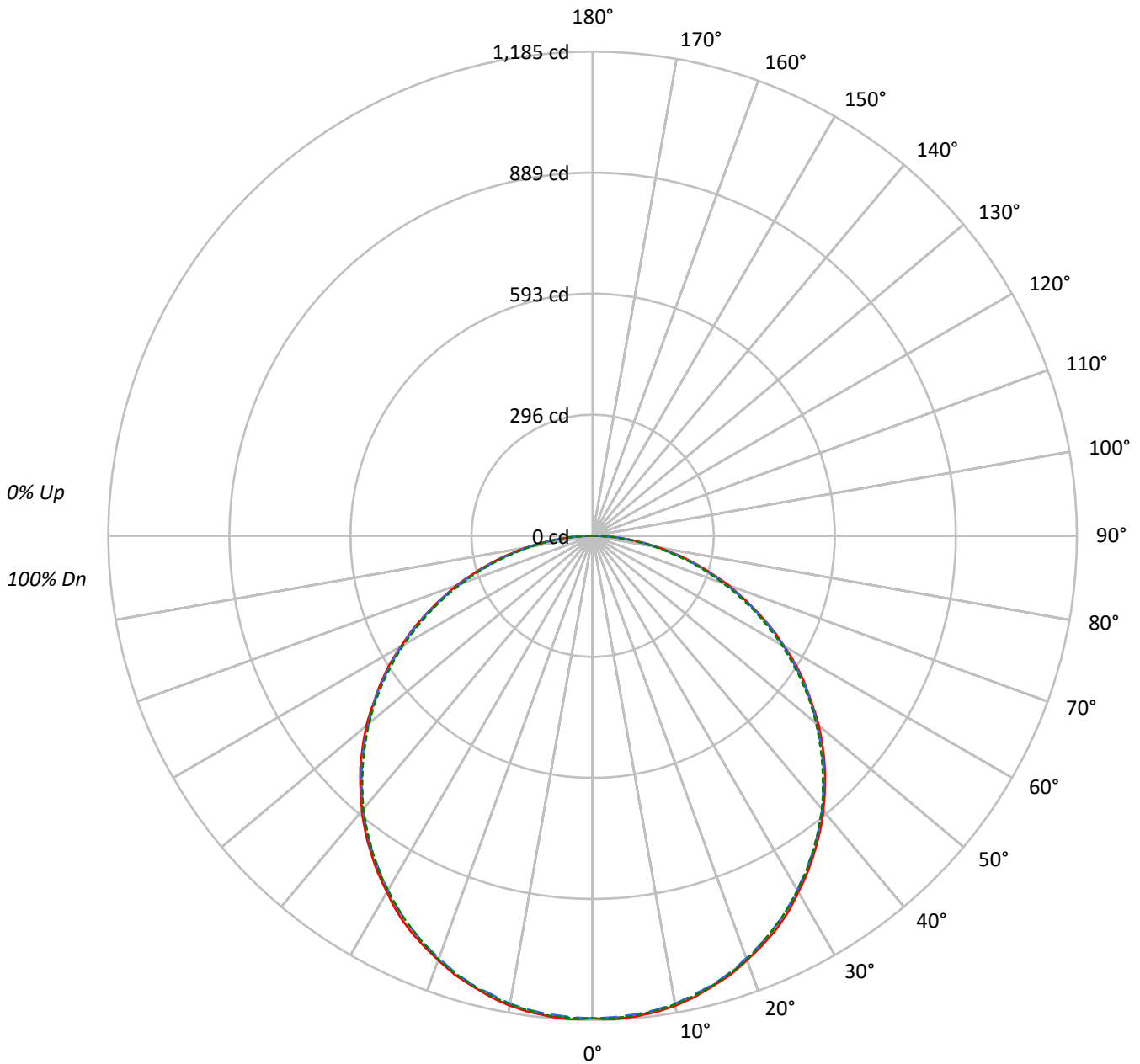
Test Method: LM-79-08  
Report Number: P568582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-40-L950  
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3471.0 lumens  
Efficiency: N/A  
Efficacy: 114.6 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					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	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°	1589	1589	1589
5°	1595	1588	1593
10°	1595	1588	1591
15°	1589	1584	1586
20°	1582	1575	1580
25°	1578	1568	1568
30°	1564	1556	1556
35°	1554	1545	1545
40°	1543	1534	1534
45°	1529	1520	1513
50°	1513	1498	1495
55°	1489	1481	1469
60°	1457	1453	1439
65°	1422	1417	1395
70°	1391	1365	1338
75°	1337	1302	1276
80°	1259	1233	1180
85°	1150	1124	1071



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	3.2
10°-20°	320.9	9.2
20°-30°	487.0	14.0
30°-40°	589.3	17.0
40°-50°	615.6	17.7
50°-60°	563.1	16.2
60°-70°	438.3	12.6
70°-80°	264.2	7.6
80°-90°	80.5	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°	919.9	26.5
0°-40°	1509.2	43.5
0°-60°	2688.0	77.4
0°-90°	3471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3471.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1181	1178	1176	1176	1180	112
15°	1141	1137	1137	1136	1139	322
25°	1063	1058	1056	1054	1056	489
35°	946	943	941	941	941	592
45°	804	799	799	795	795	620
55°	635	633	631	626	626	567
65°	447	447	445	438	438	443
75°	257	254	250	245	245	271
85°	74	73	73	69	69	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1181.2	1181.2	1181.2	1181.2	1181.2
2.5°	1184.6	1181.2	1179.5	1179.5	1181.2
5°	1181.2	1177.8	1176.1	1176.1	1179.5
7.5°	1176.1	1171.1	1171.1	1169.4	1172.8
10°	1167.7	1162.6	1162.6	1160.9	1164.3
12.5°	1155.8	1150.8	1149.1	1149.1	1152.5
15°	1140.6	1137.2	1137.2	1135.5	1138.9
17.5°	1125.4	1120.3	1120.3	1118.6	1122.0
20°	1105.1	1101.7	1100.0	1100.0	1103.4
22.5°	1084.8	1081.4	1079.7	1079.7	1079.7
25°	1062.8	1057.7	1056.0	1054.3	1056.0
27.5°	1037.4	1030.6	1030.6	1028.9	1030.6
30°	1006.9	1003.5	1001.8	1000.1	1001.8
32.5°	978.1	973.1	971.4	973.1	973.1
35°	946.0	942.6	940.9	940.9	940.9
37.5°	913.8	908.8	908.8	907.1	907.1
40°	878.3	874.9	873.2	873.2	873.2
42.5°	841.1	837.7	836.0	834.3	834.3
45°	803.8	798.8	798.8	795.4	795.4
47.5°	763.2	759.8	758.1	754.8	754.8
50°	722.6	719.2	715.8	715.8	714.1
52.5°	676.9	676.9	675.2	671.8	671.8
55°	634.6	632.9	631.2	626.1	626.1
57.5°	590.6	588.9	585.5	580.5	580.5
60°	541.5	541.5	539.8	533.1	534.8
62.5°	495.8	494.1	492.5	487.4	485.7
65°	446.8	446.8	445.1	438.3	438.3
67.5°	399.4	399.4	396.0	389.2	389.2
70°	353.7	348.6	346.9	341.8	340.2
72.5°	302.9	301.2	297.8	292.8	292.8
75°	257.2	253.8	250.5	245.4	245.4
77.5°	208.2	204.8	201.4	199.7	196.3
80°	162.5	160.8	159.1	154.0	152.3
82.5°	116.8	115.1	113.4	111.7	110.0
85°	74.5	72.8	72.8	69.4	69.4
87.5°	32.2	33.8	30.5	32.2	30.5
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)