

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: P568552

Luminaire Tested: **24CGTX-40-L840**

Issue Date: 9/19/2022



**Test Information**

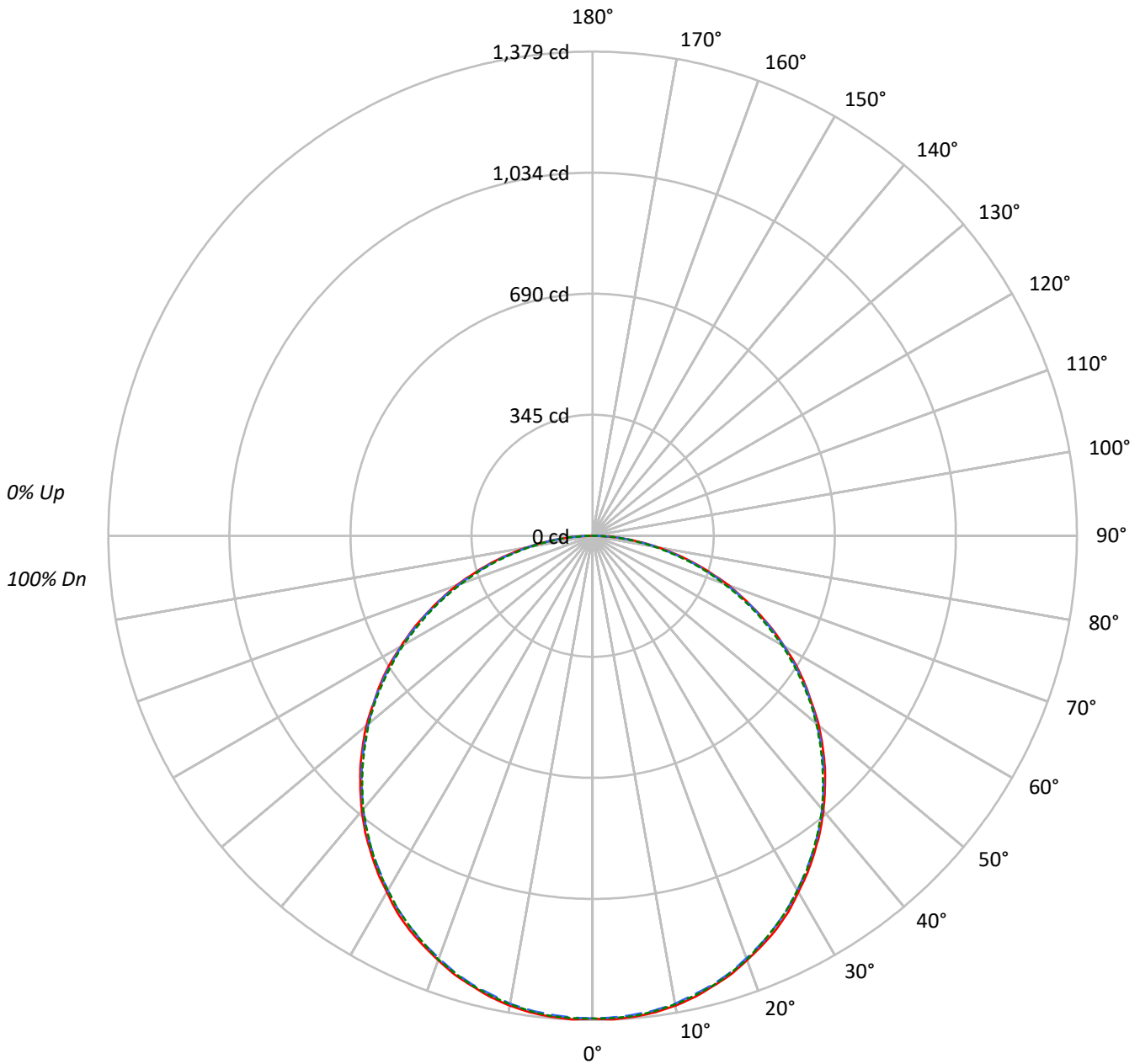
Test Method: LM-79-08  
Report Number: P568552  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-40-L840  
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4040.0 lumens  
Efficiency: N/A  
Efficacy: 133.3 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

TEST NUMBER: P568552  
CATALOG NUMBER: 24CGTX-40-L840

### Luminous Intensity Polar Plot





TEST NUMBER: P568552

CATALOG NUMBER: 24CGTX-40-L840

**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°	1850	1850	1850
5°	1857	1849	1854
10°	1857	1849	1852
15°	1849	1844	1846
20°	1842	1833	1839
25°	1836	1825	1825
30°	1821	1812	1812
35°	1809	1799	1799
40°	1796	1785	1785
45°	1780	1769	1762
50°	1761	1744	1740
55°	1733	1723	1710
60°	1696	1691	1675
65°	1656	1649	1624
70°	1620	1589	1557
75°	1556	1515	1485
80°	1465	1435	1374
85°	1338	1308	1247



TEST NUMBER: P568552  
 CATALOG NUMBER: 24CGTX-40-L840

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	3.2
10°-20°	373.5	9.2
20°-30°	566.9	14.0
30°-40°	685.9	17.0
40°-50°	716.5	17.7
50°-60°	655.5	16.2
60°-70°	510.2	12.6
70°-80°	307.5	7.6
80°-90°	93.7	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°	1070.7	26.5
0°-40°	1756.6	43.5
0°-60°	3128.7	77.4
0°-90°	4040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1375	1371	1369	1369	1373	131
15°	1328	1324	1324	1322	1326	375
25°	1237	1231	1229	1227	1229	570
35°	1101	1097	1095	1095	1095	689
45°	936	930	930	926	926	721
55°	739	737	735	729	729	660
65°	520	520	518	510	510	516
75°	299	296	292	286	286	315
85°	87	85	85	81	81	96
90°	0	0	0	0	0	



TEST NUMBER: P568552

CATALOG NUMBER: 24CGTX-40-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1374.9	1374.9	1374.9	1374.9	1374.9
2.5°	1378.8	1374.9	1372.9	1372.9	1374.9
5°	1374.9	1370.9	1368.9	1368.9	1372.9
7.5°	1368.9	1363.0	1363.0	1361.1	1365.0
10°	1359.1	1353.2	1353.2	1351.2	1355.2
12.5°	1345.3	1339.4	1337.4	1337.4	1341.4
15°	1327.6	1323.6	1323.6	1321.7	1325.6
17.5°	1309.9	1303.9	1303.9	1302.0	1305.9
20°	1286.2	1282.3	1280.3	1280.3	1284.3
22.5°	1262.6	1258.6	1256.7	1256.7	1256.7
25°	1237.0	1231.1	1229.1	1227.1	1229.1
27.5°	1207.4	1199.6	1199.6	1197.6	1199.6
30°	1172.0	1168.0	1166.1	1164.1	1166.1
32.5°	1138.5	1132.6	1130.6	1132.6	1132.6
35°	1101.1	1097.1	1095.2	1095.2	1095.2
37.5°	1063.6	1057.7	1057.7	1055.8	1055.8
40°	1022.3	1018.3	1016.4	1016.4	1016.4
42.5°	978.9	975.0	973.0	971.1	971.1
45°	935.6	929.7	929.7	925.8	925.8
47.5°	888.3	884.4	882.4	878.5	878.5
50°	841.1	837.1	833.2	833.2	831.2
52.5°	787.9	787.9	785.9	782.0	782.0
55°	738.6	736.7	734.7	728.8	728.8
57.5°	687.4	685.5	681.5	675.6	675.6
60°	630.3	630.3	628.3	620.5	622.4
62.5°	577.1	575.2	573.2	567.3	565.3
65°	520.0	520.0	518.0	510.2	510.2
67.5°	464.9	464.9	460.9	453.0	453.0
70°	411.7	405.8	403.8	397.9	395.9
72.5°	352.6	350.6	346.7	340.8	340.8
75°	299.4	295.5	291.5	285.6	285.6
77.5°	242.3	238.3	234.4	232.4	228.5
80°	189.1	187.1	185.2	179.2	177.3
82.5°	135.9	133.9	132.0	130.0	128.0
85°	86.7	84.7	84.7	80.8	80.8
87.5°	37.4	39.4	35.5	37.4	35.5
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)