

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: P568512

Luminaire Tested: **24CGTX-40-L830**

Issue Date: 9/19/2022

**Test Information**

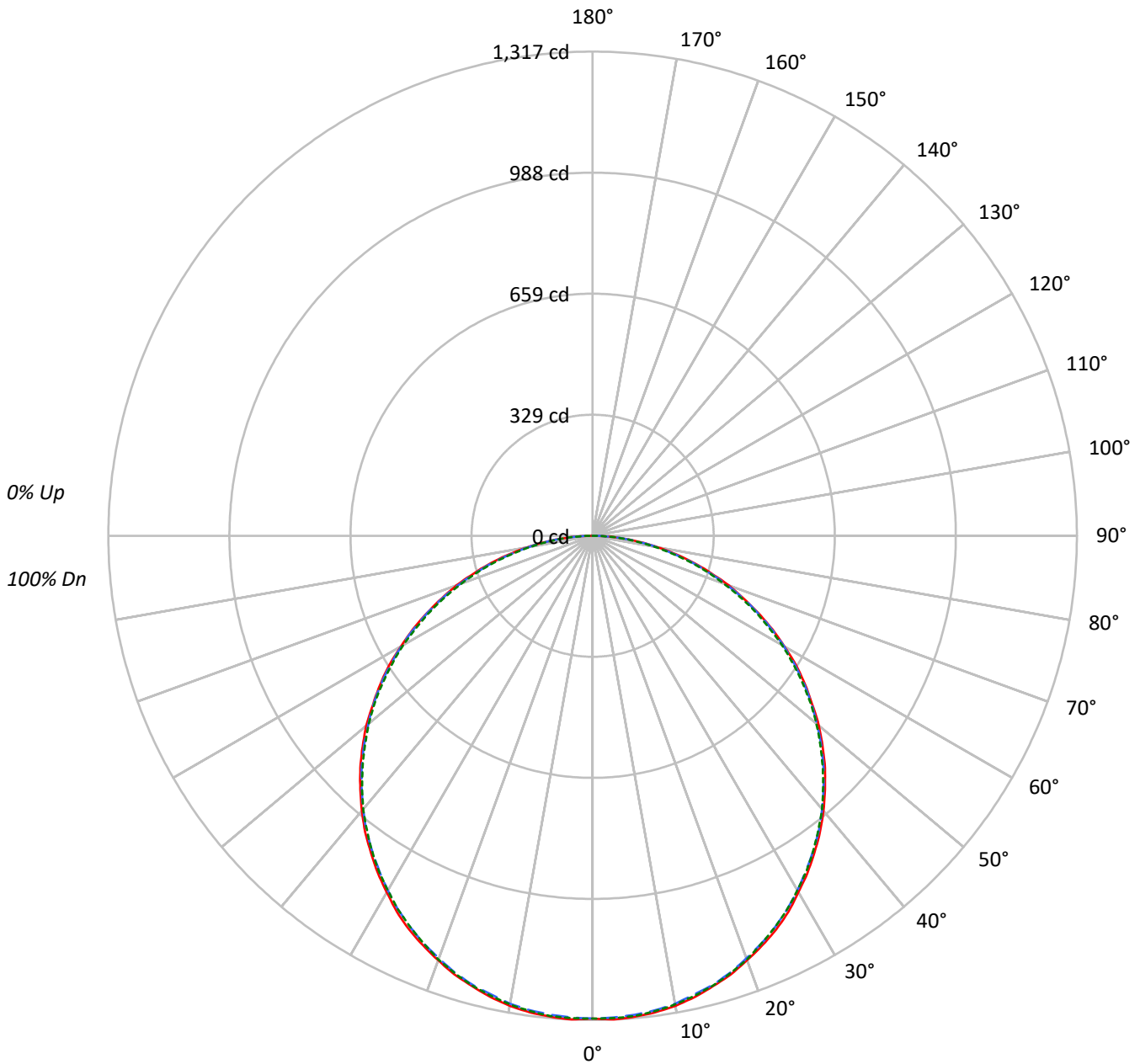
Test Method: LM-79-08  
Report Number: P568512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-40-L830  
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3859.0 lumens  
Efficiency: N/A  
Efficacy: 127.4 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					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°	1767	1767	1767
5°	1774	1766	1771
10°	1774	1766	1768
15°	1766	1761	1764
20°	1759	1751	1756
25°	1754	1743	1743
30°	1739	1730	1730
35°	1727	1718	1718
40°	1715	1705	1705
45°	1701	1690	1683
50°	1682	1666	1662
55°	1655	1646	1633
60°	1620	1615	1600
65°	1581	1575	1551
70°	1547	1517	1488
75°	1487	1448	1418
80°	1399	1371	1312
85°	1278	1249	1190



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.4	3.2
10°-20°	356.8	9.2
20°-30°	541.5	14.0
30°-40°	655.2	17.0
40°-50°	684.4	17.7
50°-60°	626.1	16.2
60°-70°	487.3	12.6
70°-80°	293.7	7.6
80°-90°	89.5	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°	1022.8	26.5
0°-40°	1677.9	43.5
0°-60°	2988.5	77.4
0°-90°	3859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1313	1313	1313	1313	1313	
5°	1313	1310	1308	1308	1311	125
15°	1268	1264	1264	1262	1266	358
25°	1182	1176	1174	1172	1174	544
35°	1052	1048	1046	1046	1046	658
45°	894	888	888	884	884	689
55°	706	704	702	696	696	630
65°	497	497	495	487	487	492
75°	286	282	278	273	273	301
85°	83	81	81	77	77	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1313.3	1313.3	1313.3	1313.3	1313.3
2.5°	1317.0	1313.3	1311.4	1311.4	1313.3
5°	1313.3	1309.5	1307.6	1307.6	1311.4
7.5°	1307.6	1302.0	1302.0	1300.1	1303.9
10°	1298.2	1292.6	1292.6	1290.7	1294.4
12.5°	1285.0	1279.4	1277.5	1277.5	1281.3
15°	1268.1	1264.3	1264.3	1262.5	1266.2
17.5°	1251.2	1245.5	1245.5	1243.6	1247.4
20°	1228.6	1224.8	1223.0	1223.0	1226.7
22.5°	1206.0	1202.3	1200.4	1200.4	1200.4
25°	1181.6	1175.9	1174.0	1172.2	1174.0
27.5°	1153.3	1145.8	1145.8	1143.9	1145.8
30°	1119.5	1115.7	1113.8	1111.9	1113.8
32.5°	1087.5	1081.8	1080.0	1081.8	1081.8
35°	1051.7	1048.0	1046.1	1046.1	1046.1
37.5°	1016.0	1010.3	1010.3	1008.5	1008.5
40°	976.5	972.7	970.8	970.8	970.8
42.5°	935.1	931.3	929.4	927.6	927.6
45°	893.7	888.1	888.1	884.3	884.3
47.5°	848.5	844.8	842.9	839.1	839.1
50°	803.4	799.6	795.9	795.9	794.0
52.5°	752.6	752.6	750.7	746.9	746.9
55°	705.5	703.7	701.8	696.1	696.1
57.5°	656.6	654.7	651.0	645.3	645.3
60°	602.1	602.1	600.2	592.7	594.5
62.5°	551.3	549.4	547.5	541.9	540.0
65°	496.7	496.7	494.8	487.3	487.3
67.5°	444.0	444.0	440.3	432.7	432.7
70°	393.2	387.6	385.7	380.1	378.2
72.5°	336.8	334.9	331.1	325.5	325.5
75°	286.0	282.2	278.5	272.8	272.8
77.5°	231.4	227.7	223.9	222.0	218.2
80°	180.6	178.7	176.9	171.2	169.3
82.5°	129.8	127.9	126.1	124.2	122.3
85°	82.8	80.9	80.9	77.1	77.1
87.5°	35.7	37.6	33.9	35.7	33.9
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)