

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: P568572

Luminaire Tested: **24CGTX-40-L850**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568572
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-L850
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

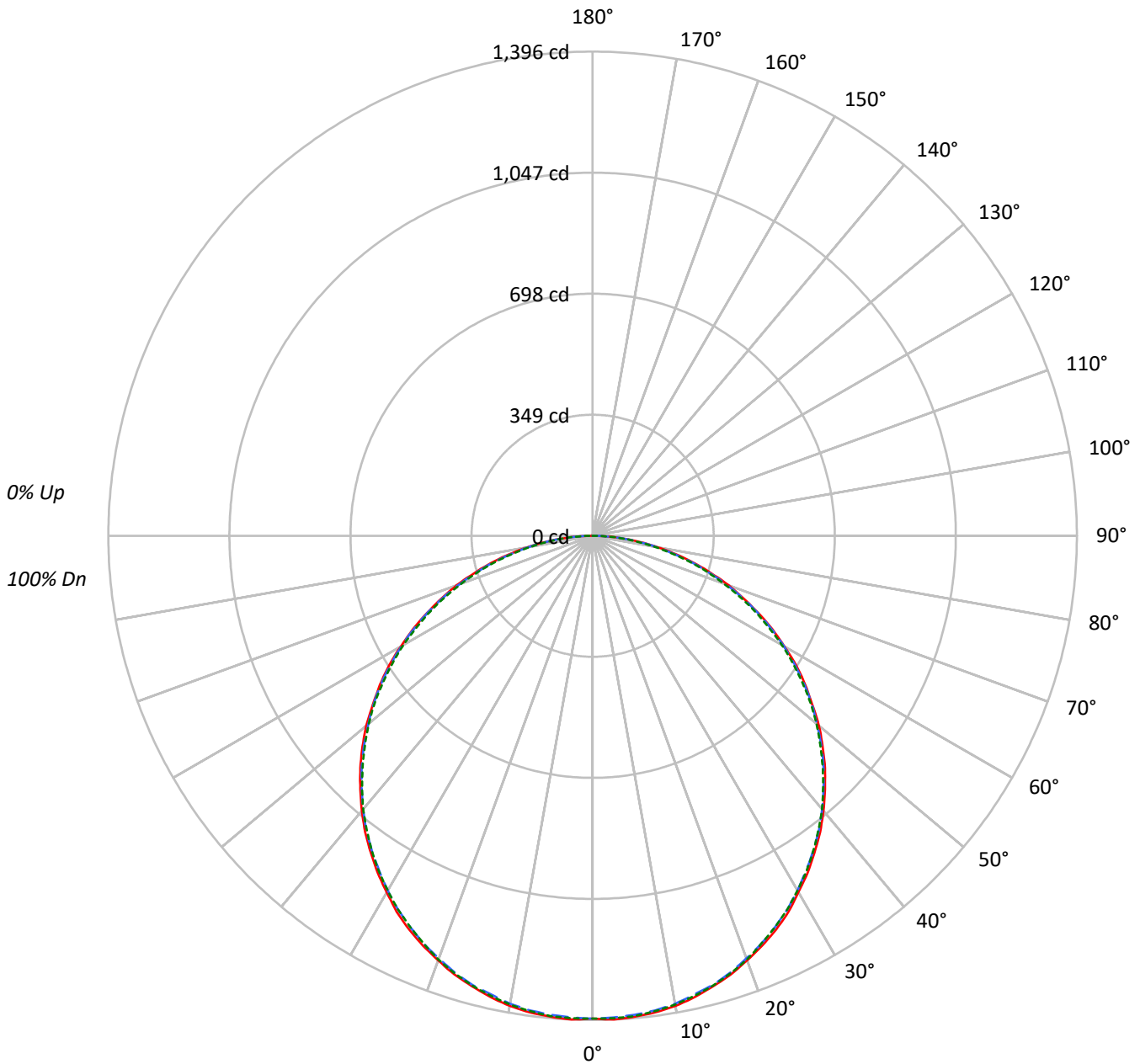
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4091.0 lumens
Efficiency: N/A
Efficacy: 135.0 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_{in}): 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°	1873	1873	1873
5°	1880	1872	1878
10°	1880	1872	1875
15°	1873	1867	1870
20°	1865	1856	1862
25°	1860	1848	1848
30°	1844	1835	1835
35°	1831	1822	1822
40°	1818	1808	1808
45°	1803	1791	1784
50°	1783	1766	1762
55°	1755	1745	1731
60°	1718	1712	1696
65°	1677	1670	1645
70°	1640	1609	1577
75°	1576	1535	1503
80°	1484	1453	1391
85°	1355	1325	1263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	3.2
10°-20°	378.3	9.2
20°-30°	574.0	14.0
30°-40°	694.6	17.0
40°-50°	725.6	17.7
50°-60°	663.7	16.2
60°-70°	516.6	12.6
70°-80°	311.4	7.6
80°-90°	94.9	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°	1084.2	26.5
0°-40°	1778.8	43.5
0°-60°	3168.1	77.4
0°-90°	4091.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1392	1388	1386	1386	1390	132
15°	1344	1340	1340	1338	1342	380
25°	1253	1247	1245	1243	1245	577
35°	1115	1111	1109	1109	1109	698
45°	947	941	941	937	937	730
55°	748	746	744	738	738	668
65°	527	527	525	517	517	522
75°	303	299	295	289	289	319
85°	88	86	86	82	82	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1392.2	1392.2	1392.2	1392.2	1392.2
2.5°	1396.2	1392.2	1390.2	1390.2	1392.2
5°	1392.2	1388.2	1386.2	1386.2	1390.2
7.5°	1386.2	1380.2	1380.2	1378.3	1382.2
10°	1376.3	1370.3	1370.3	1368.3	1372.3
12.5°	1362.3	1356.3	1354.3	1354.3	1358.3
15°	1344.3	1340.4	1340.4	1338.4	1342.3
17.5°	1326.4	1320.4	1320.4	1318.4	1322.4
20°	1302.5	1298.5	1296.5	1296.5	1300.5
22.5°	1278.5	1274.5	1272.5	1272.5	1272.5
25°	1252.6	1246.6	1244.6	1242.6	1244.6
27.5°	1222.7	1214.7	1214.7	1212.7	1214.7
30°	1186.8	1182.8	1180.8	1178.8	1180.8
32.5°	1152.9	1146.9	1144.9	1146.9	1146.9
35°	1115.0	1111.0	1109.0	1109.0	1109.0
37.5°	1077.1	1071.1	1071.1	1069.1	1069.1
40°	1035.2	1031.2	1029.2	1029.2	1029.2
42.5°	991.3	987.3	985.3	983.3	983.3
45°	947.4	941.4	941.4	937.4	937.4
47.5°	899.6	895.6	893.6	889.6	889.6
50°	851.7	847.7	843.7	843.7	841.7
52.5°	797.8	797.8	795.8	791.8	791.8
55°	748.0	746.0	744.0	738.0	738.0
57.5°	696.1	694.1	690.1	684.1	684.1
60°	638.3	638.3	636.3	628.3	630.3
62.5°	584.4	582.4	580.4	574.4	572.4
65°	526.6	526.6	524.6	516.6	516.6
67.5°	470.7	470.7	466.7	458.8	458.8
70°	416.9	410.9	408.9	402.9	400.9
72.5°	357.0	355.0	351.0	345.1	345.1
75°	303.2	299.2	295.2	289.2	289.2
77.5°	245.3	241.3	237.4	235.4	231.4
80°	191.5	189.5	187.5	181.5	179.5
82.5°	137.6	135.6	133.6	131.6	129.6
85°	87.8	85.8	85.8	81.8	81.8
87.5°	37.9	39.9	35.9	37.9	35.9
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)