

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: P568576

Luminaire Tested: **24CGTX-72-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568576
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-72-L850
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

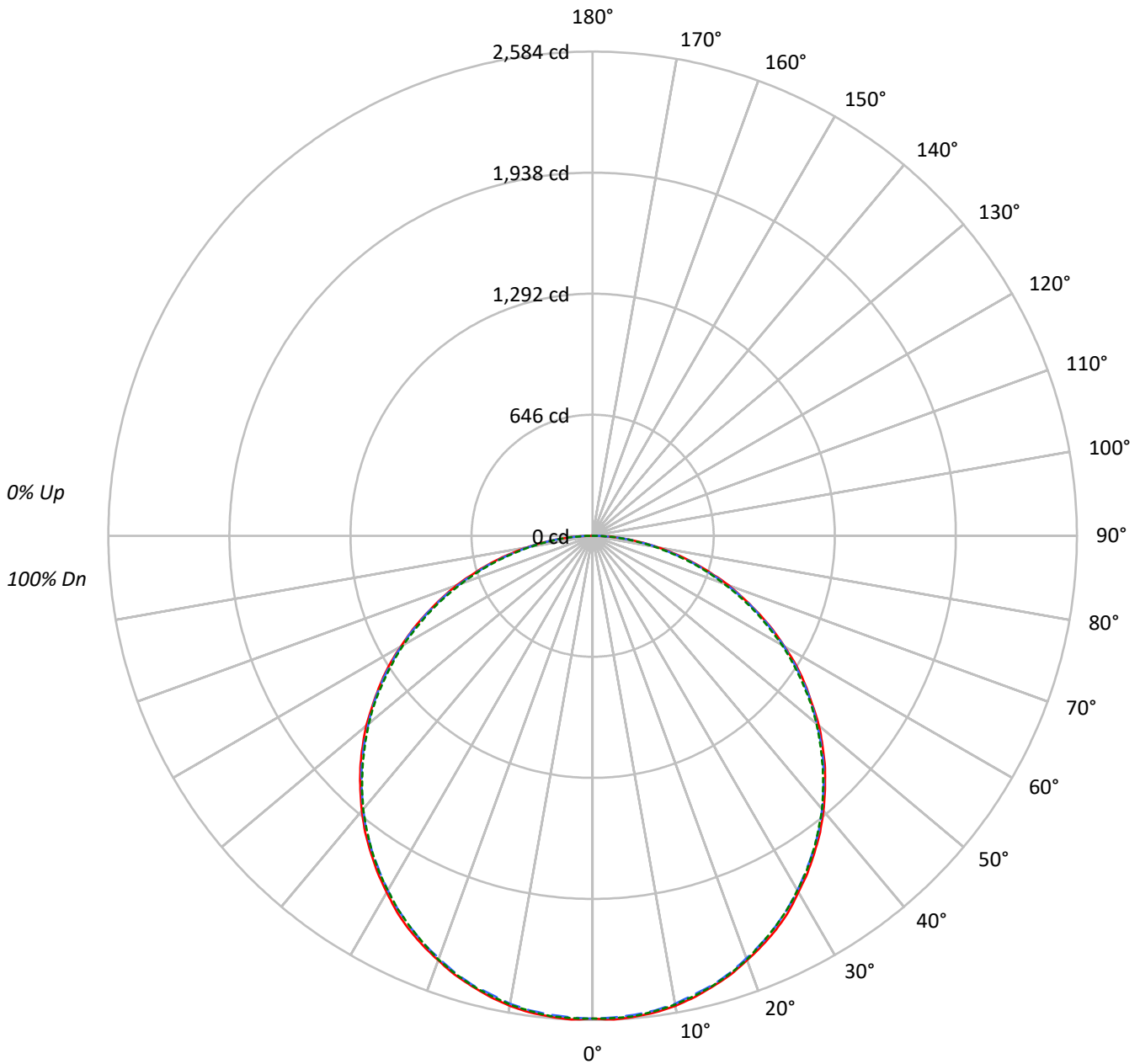
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7572.0 lumens
Efficiency: N/A
Efficacy: 124.3 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): 60.9
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									
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	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3467	3467	3467
5°	3480	3465	3475
10°	3480	3465	3470
15°	3466	3456	3461
20°	3452	3436	3446
25°	3442	3420	3420
30°	3413	3395	3395
35°	3390	3371	3371
40°	3365	3346	3346
45°	3337	3316	3302
50°	3300	3269	3261
55°	3248	3230	3204
60°	3179	3169	3139
65°	3103	3091	3044
70°	3035	2977	2919
75°	2917	2840	2783
80°	2746	2689	2575
85°	2507	2450	2337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.2	3.2
10°-20°	700.1	9.2
20°-30°	1062.5	14.0
30°-40°	1285.6	17.0
40°-50°	1343.0	17.7
50°-60°	1228.5	16.2
60°-70°	956.2	12.6
70°-80°	576.3	7.6
80°-90°	175.6	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°	2006.8	26.5
0°-40°	3292.4	43.5
0°-60°	5863.9	77.4
0°-90°	7572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2577	2577	2577	2577	2577	
5°	2577	2570	2566	2566	2573	245
15°	2488	2481	2481	2477	2484	703
25°	2318	2307	2304	2300	2304	1068
35°	2064	2056	2053	2053	2053	1292
45°	1754	1742	1742	1735	1735	1352
55°	1384	1381	1377	1366	1366	1237
65°	975	975	971	956	956	966
75°	561	554	546	535	535	591
85°	162	159	159	151	151	181
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2576.8	2576.8	2576.8	2576.8	2576.8
2.5°	2584.2	2576.8	2573.1	2573.1	2576.8
5°	2576.8	2569.5	2565.8	2565.8	2573.1
7.5°	2565.8	2554.7	2554.7	2551.0	2558.4
10°	2547.3	2536.2	2536.2	2532.5	2539.9
12.5°	2521.5	2510.4	2506.7	2506.7	2514.1
15°	2488.2	2480.9	2480.9	2477.2	2484.5
17.5°	2455.0	2443.9	2443.9	2440.2	2447.6
20°	2410.7	2403.3	2399.6	2399.6	2407.0
22.5°	2366.4	2359.0	2355.3	2355.3	2355.3
25°	2318.4	2307.3	2303.6	2300.0	2303.6
27.5°	2263.0	2248.3	2248.3	2244.6	2248.3
30°	2196.6	2189.2	2185.5	2181.8	2185.5
32.5°	2133.8	2122.8	2119.1	2122.8	2122.8
35°	2063.7	2056.3	2052.6	2052.6	2052.6
37.5°	1993.5	1982.5	1982.5	1978.8	1978.8
40°	1916.0	1908.6	1904.9	1904.9	1904.9
42.5°	1834.8	1827.4	1823.7	1820.0	1820.0
45°	1753.6	1742.5	1742.5	1735.1	1735.1
47.5°	1665.0	1657.6	1653.9	1646.5	1646.5
50°	1576.4	1569.0	1561.6	1561.6	1557.9
52.5°	1476.7	1476.7	1473.0	1465.6	1465.6
55°	1384.4	1380.7	1377.0	1365.9	1365.9
57.5°	1288.4	1284.7	1277.3	1266.3	1266.3
60°	1181.4	1181.4	1177.7	1162.9	1166.6
62.5°	1081.7	1078.0	1074.3	1063.2	1059.5
65°	974.6	974.6	970.9	956.2	956.2
67.5°	871.3	871.3	863.9	849.1	849.1
70°	771.6	760.5	756.8	745.7	742.0
72.5°	660.8	657.1	649.7	638.7	638.7
75°	561.1	553.8	546.4	535.3	535.3
77.5°	454.1	446.7	439.3	435.6	428.2
80°	354.4	350.7	347.0	335.9	332.3
82.5°	254.7	251.0	247.3	243.7	240.0
85°	162.4	158.7	158.7	151.4	151.4
87.5°	70.1	73.8	66.5	70.1	66.5
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)