

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: P568516

Luminaire Tested: **24CGTX-72-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568516
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-L830
Description: 2X4 7200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

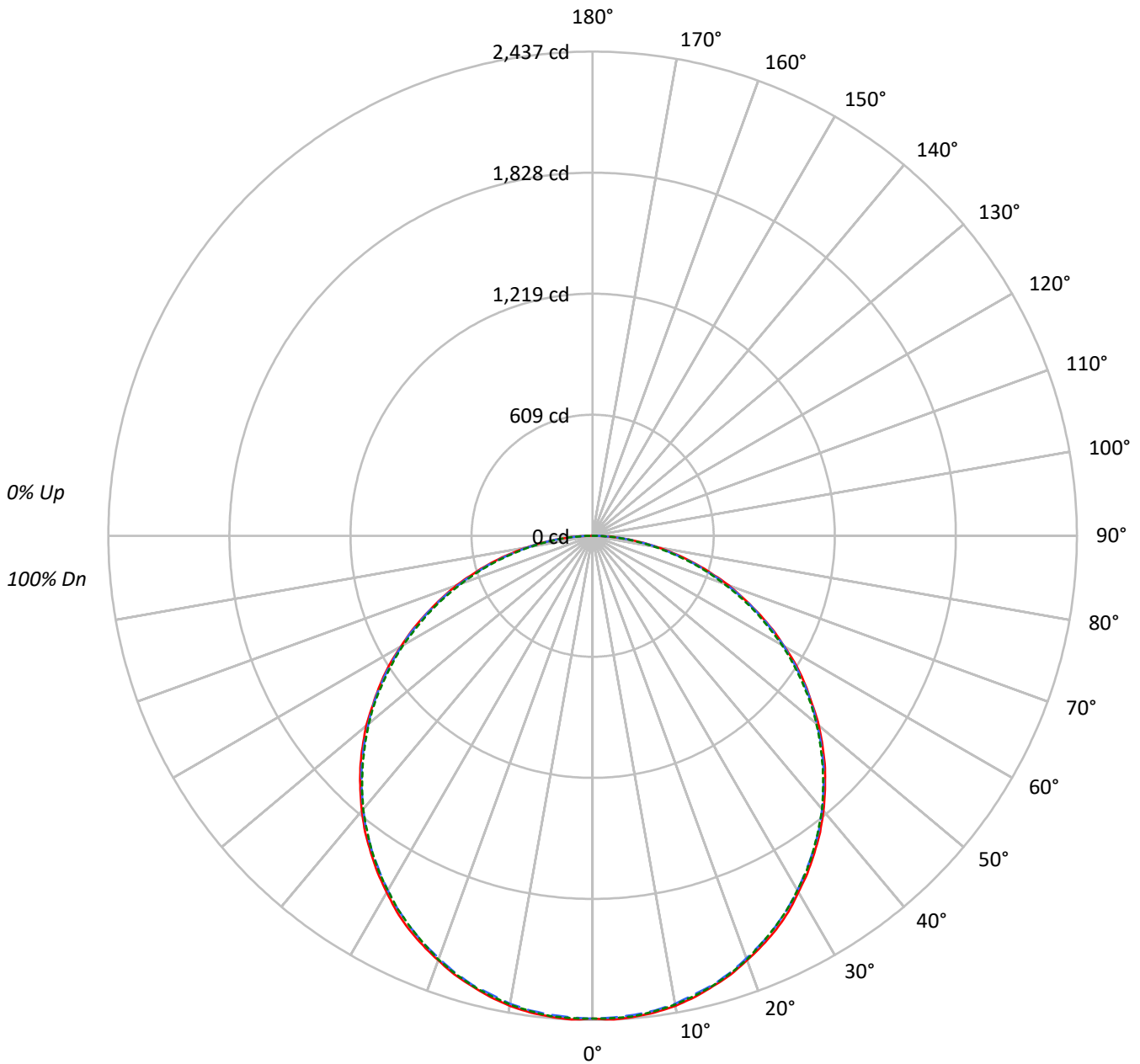
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7141.0 lumens
Efficiency: N/A
Efficacy: 117.3 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					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°	3270	3270	3270
5°	3282	3268	3278
10°	3282	3268	3273
15°	3269	3259	3264
20°	3255	3240	3250
25°	3246	3225	3225
30°	3219	3202	3202
35°	3197	3180	3180
40°	3174	3155	3155
45°	3147	3127	3114
50°	3112	3083	3075
55°	3063	3046	3022
60°	2998	2989	2961
65°	2926	2915	2871
70°	2863	2808	2753
75°	2751	2679	2624
80°	2590	2536	2428
85°	2365	2311	2203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.3	3.2
10°-20°	660.3	9.2
20°-30°	1002.0	14.0
30°-40°	1212.4	17.0
40°-50°	1266.6	17.7
50°-60°	1158.6	16.2
60°-70°	901.8	12.6
70°-80°	543.5	7.6
80°-90°	165.6	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°	1892.6	26.5
0°-40°	3105.0	43.5
0°-60°	5530.1	77.4
0°-90°	7141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2430	2430	2430	2430	2430	
5°	2430	2423	2420	2420	2427	231
15°	2347	2340	2340	2336	2343	663
25°	2186	2176	2172	2169	2172	1007
35°	1946	1939	1936	1936	1936	1218
45°	1654	1643	1643	1636	1636	1275
55°	1306	1302	1299	1288	1288	1166
65°	919	919	916	902	902	911
75°	529	522	515	505	505	557
85°	153	150	150	143	143	170
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2430.2	2430.2	2430.2	2430.2	2430.2
2.5°	2437.1	2430.2	2426.7	2426.7	2430.2
5°	2430.2	2423.2	2419.7	2419.7	2426.7
7.5°	2419.7	2409.3	2409.3	2405.8	2412.8
10°	2402.3	2391.9	2391.9	2388.4	2395.3
12.5°	2377.9	2367.5	2364.0	2364.0	2371.0
15°	2346.6	2339.6	2339.6	2336.2	2343.1
17.5°	2315.3	2304.8	2304.8	2301.3	2308.3
20°	2273.5	2266.5	2263.0	2263.0	2270.0
22.5°	2231.7	2224.7	2221.3	2221.3	2221.3
25°	2186.4	2176.0	2172.5	2169.0	2172.5
27.5°	2134.2	2120.3	2120.3	2116.8	2120.3
30°	2071.6	2064.6	2061.1	2057.6	2061.1
32.5°	2012.4	2001.9	1998.4	2001.9	2001.9
35°	1946.2	1939.3	1935.8	1935.8	1935.8
37.5°	1880.1	1869.6	1869.6	1866.1	1866.1
40°	1807.0	1800.0	1796.5	1796.5	1796.5
42.5°	1730.4	1723.4	1719.9	1716.4	1716.4
45°	1653.8	1643.3	1643.3	1636.4	1636.4
47.5°	1570.2	1563.2	1559.8	1552.8	1552.8
50°	1486.6	1479.7	1472.7	1472.7	1469.2
52.5°	1392.6	1392.6	1389.2	1382.2	1382.2
55°	1305.6	1302.1	1298.6	1288.2	1288.2
57.5°	1215.1	1211.6	1204.6	1194.2	1194.2
60°	1114.1	1114.1	1110.6	1096.7	1100.2
62.5°	1020.1	1016.6	1013.1	1002.7	999.2
65°	919.1	919.1	915.7	901.7	901.7
67.5°	821.7	821.7	814.7	800.8	800.8
70°	727.7	717.2	713.7	703.3	699.8
72.5°	623.2	619.7	612.8	602.3	602.3
75°	529.2	522.2	515.3	504.8	504.8
77.5°	428.2	421.3	414.3	410.8	403.9
80°	334.2	330.8	327.3	316.8	313.3
82.5°	240.2	236.7	233.3	229.8	226.3
85°	153.2	149.7	149.7	142.7	142.7
87.5°	66.2	69.6	62.7	66.2	62.7
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)