

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: P568483

Luminaire Tested: **24CGTX-72HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568483
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-72HE-L940
Description: 2X4 7200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

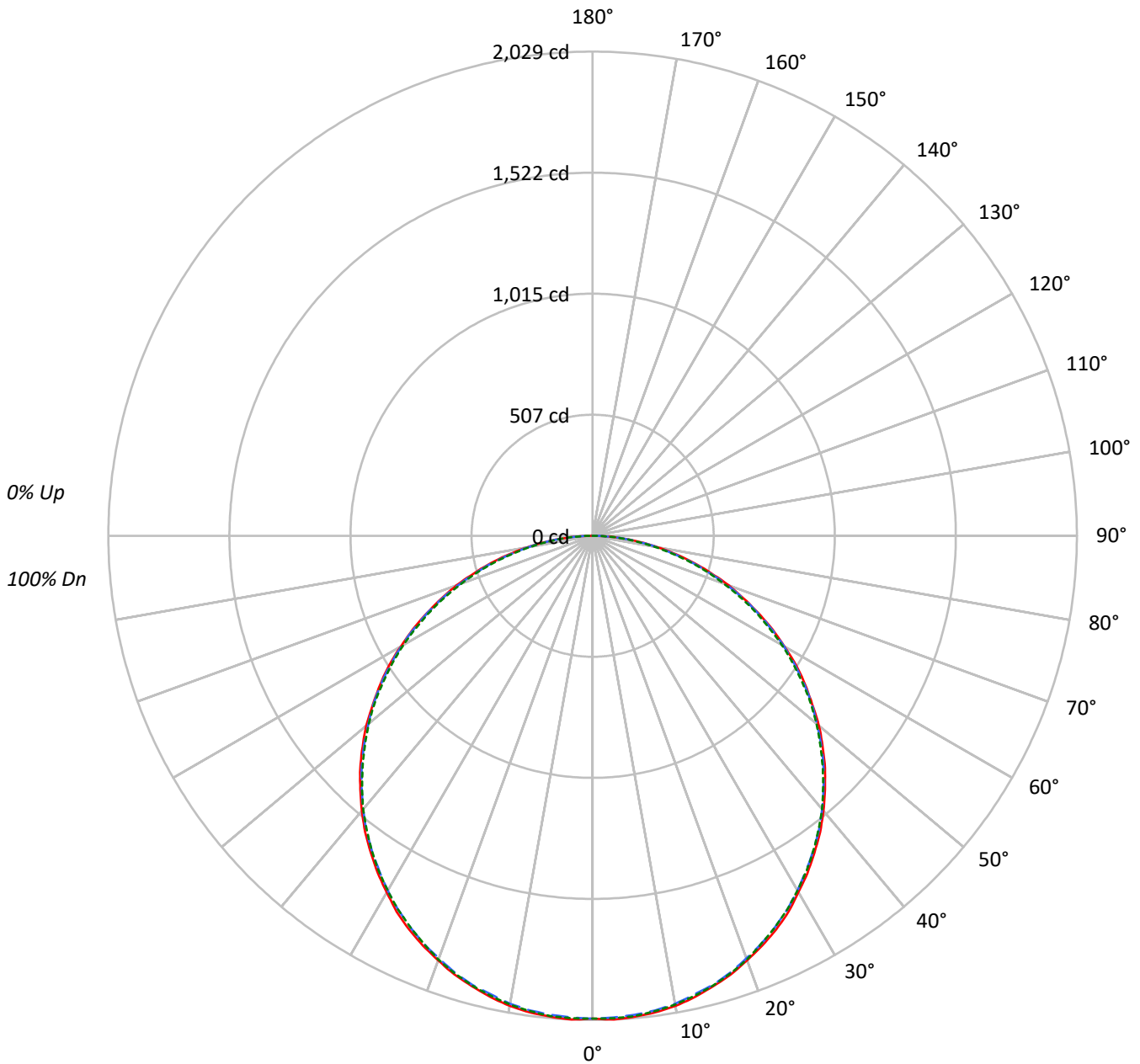
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5946.0 lumens
Efficiency: N/A
Efficacy: 103.2 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): 57.6
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°	2723	2723	2723
5°	2733	2721	2729
10°	2733	2721	2725
15°	2722	2714	2718
20°	2710	2698	2706
25°	2703	2686	2686
30°	2680	2666	2666
35°	2662	2647	2647
40°	2643	2627	2627
45°	2620	2604	2593
50°	2591	2567	2561
55°	2550	2537	2516
60°	2496	2489	2465
65°	2436	2427	2390
70°	2384	2338	2292
75°	2290	2230	2185
80°	2156	2111	2022
85°	1970	1925	1836



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	3.2
10°-20°	549.8	9.2
20°-30°	834.3	14.0
30°-40°	1009.5	17.0
40°-50°	1054.6	17.7
50°-60°	964.7	16.2
60°-70°	750.9	12.6
70°-80°	452.5	7.6
80°-90°	137.9	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°	1575.9	26.5
0°-40°	2585.4	43.5
0°-60°	4604.7	77.4
0°-90°	5946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2024	2024	2024	2024	2024	
5°	2024	2018	2015	2015	2021	192
15°	1954	1948	1948	1945	1951	552
25°	1821	1812	1809	1806	1809	838
35°	1620	1615	1612	1612	1612	1014
45°	1377	1368	1368	1362	1362	1061
55°	1087	1084	1081	1073	1073	971
65°	765	765	762	751	751	759
75°	441	435	429	420	420	464
85°	128	125	125	119	119	142
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2023.5	2023.5	2023.5	2023.5	2023.5
2.5°	2029.3	2023.5	2020.6	2020.6	2023.5
5°	2023.5	2017.7	2014.8	2014.8	2020.6
7.5°	2014.8	2006.1	2006.1	2003.2	2009.0
10°	2000.3	1991.6	1991.6	1988.7	1994.5
12.5°	1980.0	1971.3	1968.4	1968.4	1974.2
15°	1953.9	1948.1	1948.1	1945.2	1951.0
17.5°	1927.8	1919.1	1919.1	1916.2	1922.0
20°	1893.0	1887.2	1884.3	1884.3	1890.1
22.5°	1858.2	1852.4	1849.6	1849.6	1849.6
25°	1820.6	1811.9	1809.0	1806.1	1809.0
27.5°	1777.1	1765.5	1765.5	1762.6	1765.5
30°	1724.9	1719.1	1716.2	1713.3	1716.2
32.5°	1675.6	1666.9	1664.0	1666.9	1666.9
35°	1620.5	1614.7	1611.8	1611.8	1611.8
37.5°	1565.5	1556.8	1556.8	1553.9	1553.9
40°	1504.6	1498.8	1495.9	1495.9	1495.9
42.5°	1440.8	1435.0	1432.1	1429.2	1429.2
45°	1377.0	1368.3	1368.3	1362.5	1362.5
47.5°	1307.4	1301.6	1298.7	1292.9	1292.9
50°	1237.9	1232.1	1226.3	1226.3	1223.4
52.5°	1159.6	1159.6	1156.7	1150.9	1150.9
55°	1087.1	1084.2	1081.3	1072.6	1072.6
57.5°	1011.7	1008.8	1003.0	994.4	994.4
60°	927.7	927.7	924.8	913.2	916.1
62.5°	849.4	846.5	843.6	834.9	832.0
65°	765.3	765.3	762.4	750.8	750.8
67.5°	684.2	684.2	678.4	666.8	666.8
70°	605.9	597.2	594.3	585.6	582.7
72.5°	518.9	516.0	510.2	501.5	501.5
75°	440.6	434.8	429.0	420.4	420.4
77.5°	356.6	350.8	345.0	342.1	336.3
80°	278.3	275.4	272.5	263.8	260.9
82.5°	200.0	197.1	194.2	191.3	188.4
85°	127.6	124.7	124.7	118.9	118.9
87.5°	55.1	58.0	52.2	55.1	52.2
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)