

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: P568439

Luminaire Tested: **24CGTX-72HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568439
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-L930
Description: 2X4 7200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

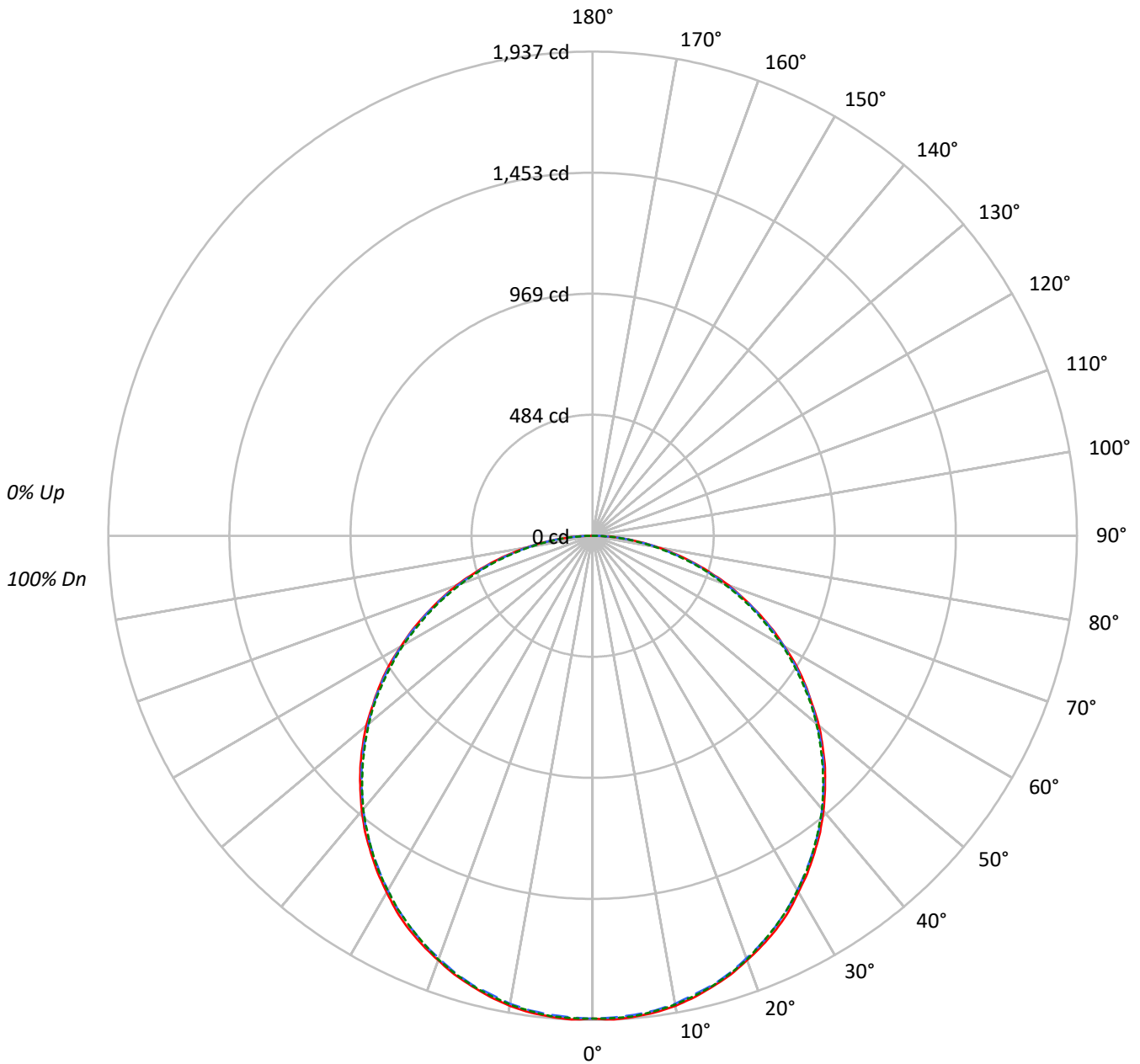
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5676.0 lumens
Efficiency: N/A
Efficacy: 98.5 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									
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°	2599	2599	2599
5°	2609	2598	2605
10°	2609	2598	2601
15°	2598	2590	2594
20°	2587	2576	2583
25°	2580	2564	2564
30°	2558	2545	2545
35°	2541	2527	2527
40°	2523	2508	2508
45°	2501	2485	2475
50°	2474	2450	2444
55°	2434	2421	2402
60°	2383	2376	2353
65°	2326	2317	2282
70°	2275	2232	2188
75°	2187	2129	2086
80°	2059	2015	1930
85°	1880	1837	1752



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	3.2
10°-20°	524.8	9.2
20°-30°	796.5	14.0
30°-40°	963.7	17.0
40°-50°	1006.7	17.7
50°-60°	920.9	16.2
60°-70°	716.8	12.6
70°-80°	432.0	7.6
80°-90°	131.7	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°	1504.3	26.5
0°-40°	2468.0	43.5
0°-60°	4395.6	77.4
0°-90°	5676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5676.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1932	1932	1932	1932	1932	
5°	1932	1926	1923	1923	1929	184
15°	1865	1860	1860	1857	1862	527
25°	1738	1730	1727	1724	1727	800
35°	1547	1541	1539	1539	1539	968
45°	1314	1306	1306	1301	1301	1013
55°	1038	1035	1032	1024	1024	927
65°	731	731	728	717	717	724
75°	421	415	410	401	401	443
85°	122	119	119	114	114	136
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1937.1	1931.6	1928.8	1928.8	1931.6
5°	1931.6	1926.1	1923.3	1923.3	1928.8
7.5°	1923.3	1915.0	1915.0	1912.2	1917.8
10°	1909.5	1901.2	1901.2	1898.4	1903.9
12.5°	1890.1	1881.8	1879.0	1879.0	1884.6
15°	1865.2	1859.7	1859.7	1856.9	1862.4
17.5°	1840.3	1832.0	1832.0	1829.2	1834.7
20°	1807.1	1801.5	1798.8	1798.8	1804.3
22.5°	1773.9	1768.3	1765.6	1765.6	1765.6
25°	1737.9	1729.6	1726.8	1724.1	1726.8
27.5°	1696.4	1685.3	1685.3	1682.5	1685.3
30°	1646.6	1641.0	1638.3	1635.5	1638.3
32.5°	1599.5	1591.2	1588.5	1591.2	1591.2
35°	1546.9	1541.4	1538.6	1538.6	1538.6
37.5°	1494.4	1486.1	1486.1	1483.3	1483.3
40°	1436.3	1430.7	1427.9	1427.9	1427.9
42.5°	1375.4	1369.8	1367.1	1364.3	1364.3
45°	1314.5	1306.2	1306.2	1300.7	1300.7
47.5°	1248.1	1242.5	1239.8	1234.2	1234.2
50°	1181.7	1176.1	1170.6	1170.6	1167.8
52.5°	1106.9	1106.9	1104.2	1098.6	1098.6
55°	1037.8	1035.0	1032.2	1023.9	1023.9
57.5°	965.8	963.0	957.5	949.2	949.2
60°	885.5	885.5	882.8	871.7	874.5
62.5°	810.8	808.1	805.3	797.0	794.2
65°	730.6	730.6	727.8	716.7	716.7
67.5°	653.1	653.1	647.6	636.5	636.5
70°	578.4	570.1	567.3	559.0	556.2
72.5°	495.4	492.6	487.1	478.8	478.8
75°	420.6	415.1	409.6	401.3	401.3
77.5°	340.4	334.8	329.3	326.5	321.0
80°	265.7	262.9	260.1	251.8	249.1
82.5°	190.9	188.2	185.4	182.6	179.9
85°	121.8	119.0	119.0	113.5	113.5
87.5°	52.6	55.3	49.8	52.6	49.8
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)