

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: P568461

Luminaire Tested: **24CGTX-72HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568461
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-L935
Description: 2X4 7200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

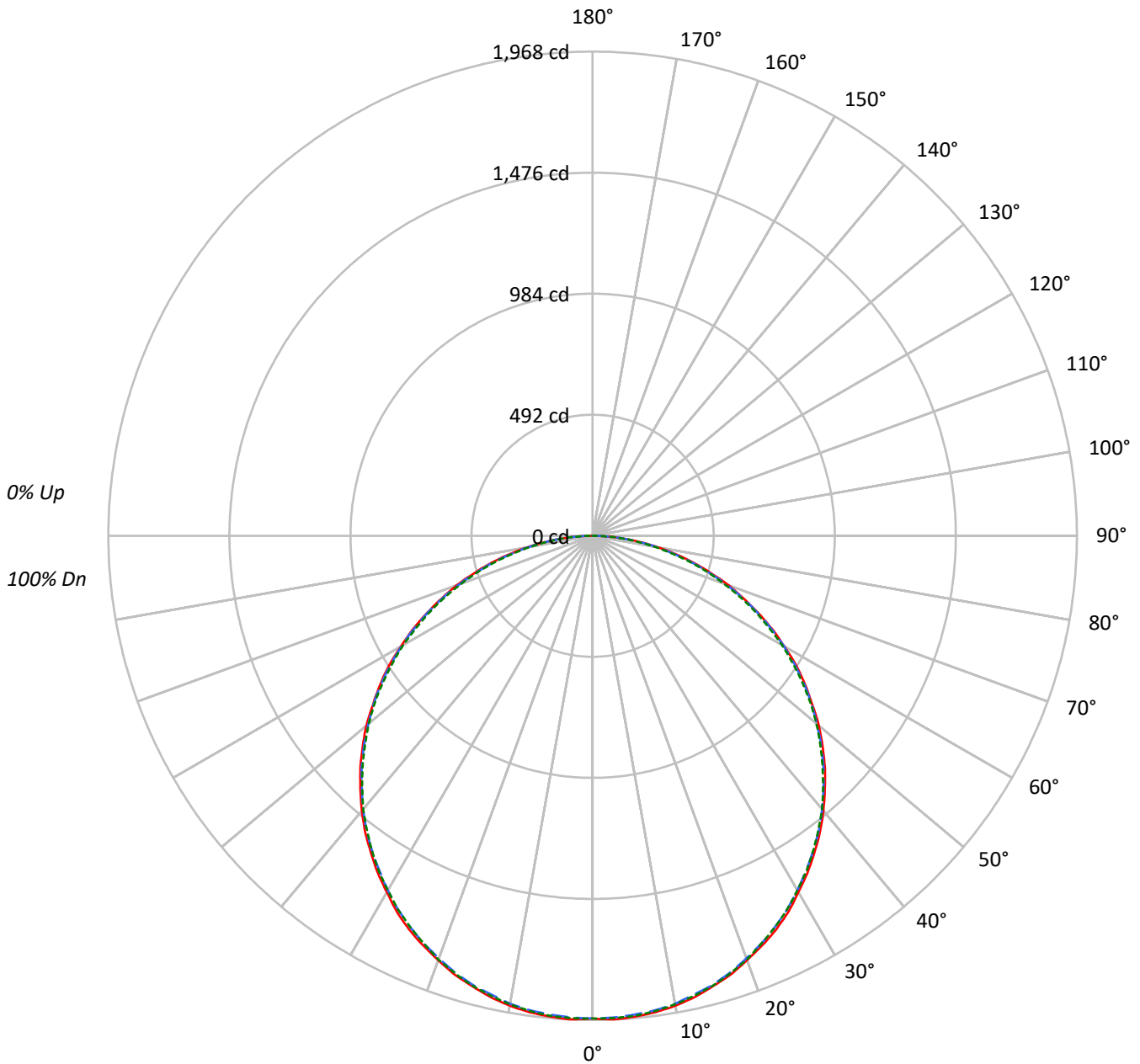
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5766.0 lumens
Efficiency: N/A
Efficacy: 100.1 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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2640	2640	2640
5°	2650	2639	2646
10°	2650	2639	2642
15°	2639	2631	2635
20°	2628	2616	2624
25°	2621	2604	2604
30°	2599	2586	2586
35°	2581	2567	2567
40°	2563	2548	2548
45°	2541	2525	2514
50°	2513	2489	2483
55°	2473	2460	2440
60°	2421	2413	2390
65°	2363	2354	2318
70°	2311	2267	2223
75°	2221	2163	2119
80°	2091	2048	1960
85°	1910	1866	1780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	3.2
10°-20°	533.1	9.2
20°-30°	809.1	14.0
30°-40°	979.0	17.0
40°-50°	1022.7	17.7
50°-60°	935.5	16.2
60°-70°	728.1	12.6
70°-80°	438.8	7.6
80°-90°	133.8	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°	1528.2	26.5
0°-40°	2507.1	43.5
0°-60°	4465.3	77.4
0°-90°	5766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1962	1962	1962	1962	1962	
5°	1962	1957	1954	1954	1959	187
15°	1895	1889	1889	1886	1892	535
25°	1765	1757	1754	1751	1754	813
35°	1572	1566	1563	1563	1563	984
45°	1335	1327	1327	1321	1321	1029
55°	1054	1051	1049	1040	1040	942
65°	742	742	739	728	728	736
75°	427	422	416	408	408	450
85°	124	121	121	115	115	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1962.2	1962.2	1962.2	1962.2	1962.2
2.5°	1967.9	1962.2	1959.4	1959.4	1962.2
5°	1962.2	1956.6	1953.8	1953.8	1959.4
7.5°	1953.8	1945.4	1945.4	1942.6	1948.2
10°	1939.7	1931.3	1931.3	1928.5	1934.1
12.5°	1920.1	1911.6	1908.8	1908.8	1914.4
15°	1894.8	1889.1	1889.1	1886.3	1892.0
17.5°	1869.5	1861.0	1861.0	1858.2	1863.8
20°	1835.7	1830.1	1827.3	1827.3	1832.9
22.5°	1802.0	1796.4	1793.6	1793.6	1793.6
25°	1765.4	1757.0	1754.2	1751.4	1754.2
27.5°	1723.3	1712.0	1712.0	1709.2	1712.0
30°	1672.7	1667.1	1664.2	1661.4	1664.2
32.5°	1624.9	1616.5	1613.6	1616.5	1616.5
35°	1571.5	1565.9	1563.0	1563.0	1563.0
37.5°	1518.1	1509.6	1509.6	1506.8	1506.8
40°	1459.0	1453.4	1450.6	1450.6	1450.6
42.5°	1397.2	1391.6	1388.7	1385.9	1385.9
45°	1335.3	1326.9	1326.9	1321.3	1321.3
47.5°	1267.9	1262.2	1259.4	1253.8	1253.8
50°	1200.4	1194.8	1189.1	1189.1	1186.3
52.5°	1124.5	1124.5	1121.7	1116.1	1116.1
55°	1054.2	1051.4	1048.6	1040.2	1040.2
57.5°	981.1	978.3	972.7	964.2	964.2
60°	899.6	899.6	896.8	885.5	888.3
62.5°	823.7	820.9	818.1	809.6	806.8
65°	742.2	742.2	739.4	728.1	728.1
67.5°	663.4	663.4	657.8	646.6	646.6
70°	587.5	579.1	576.3	567.9	565.1
72.5°	503.2	500.4	494.8	486.3	486.3
75°	427.3	421.7	416.1	407.6	407.6
77.5°	345.8	340.2	334.5	331.7	326.1
80°	269.9	267.1	264.3	255.8	253.0
82.5°	194.0	191.2	188.4	185.5	182.7
85°	123.7	120.9	120.9	115.3	115.3
87.5°	53.4	56.2	50.6	53.4	50.6
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)