

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: P568505

Luminaire Tested: **24CGTX-72HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568505
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-L950
Description: 2X4 7200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

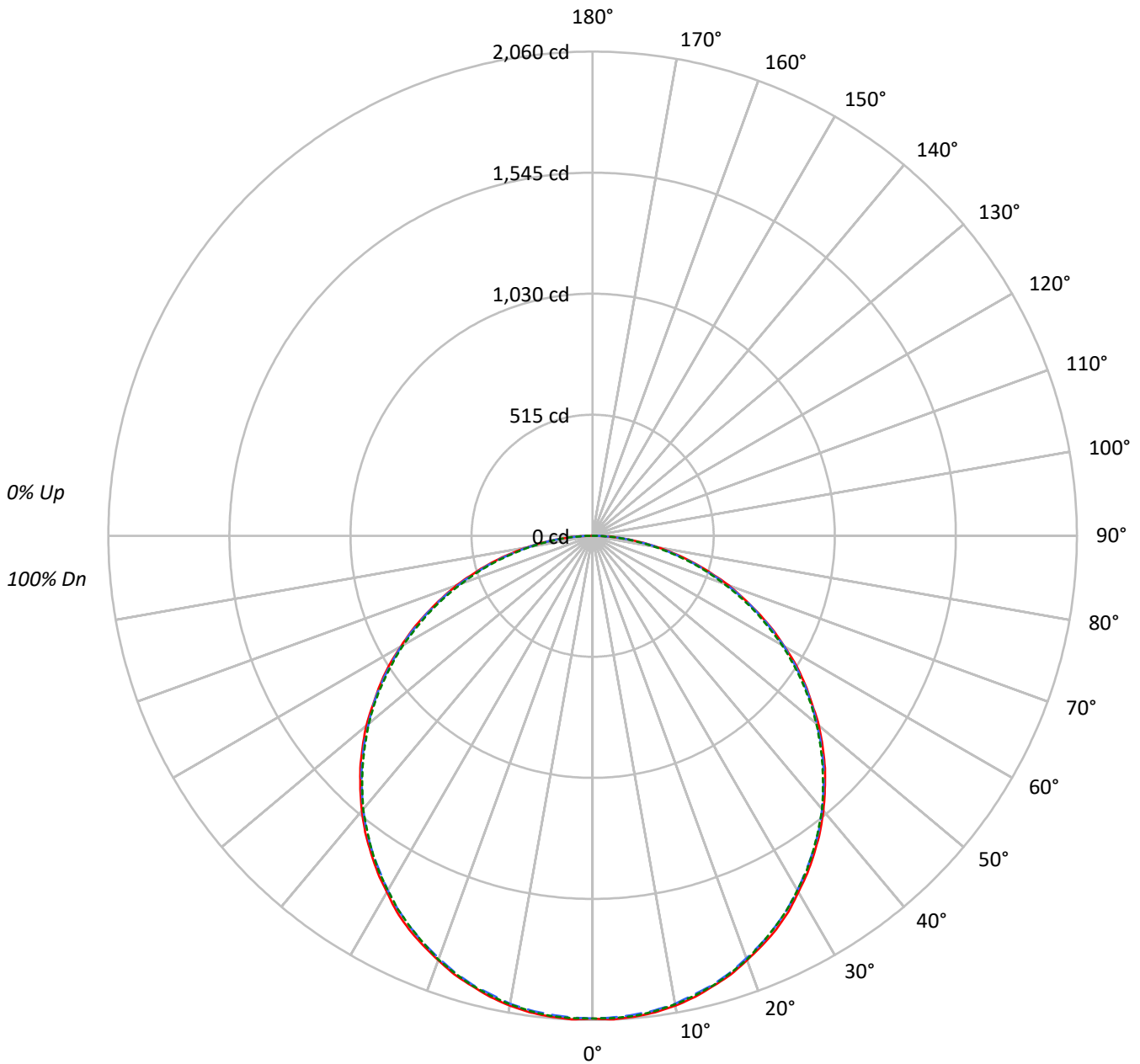
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6035.0 lumens
Efficiency: N/A
Efficacy: 104.8 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

TEST NUMBER: P568505
CATALOG NUMBER: 24CGTX-72HE-L950

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°	2763	2763	2763
5°	2774	2762	2770
10°	2774	2762	2766
15°	2763	2754	2758
20°	2751	2738	2747
25°	2743	2726	2726
30°	2720	2706	2706
35°	2702	2687	2687
40°	2682	2667	2667
45°	2659	2643	2631
50°	2630	2605	2599
55°	2588	2575	2554
60°	2534	2526	2502
65°	2473	2464	2426
70°	2419	2373	2327
75°	2325	2264	2218
80°	2189	2143	2052
85°	1999	1953	1862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	3.2
10°-20°	558.0	9.2
20°-30°	846.8	14.0
30°-40°	1024.6	17.0
40°-50°	1070.4	17.7
50°-60°	979.1	16.2
60°-70°	762.1	12.6
70°-80°	459.3	7.6
80°-90°	140.0	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°	1599.5	26.5
0°-40°	2624.1	43.5
0°-60°	4673.6	77.4
0°-90°	6035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6035.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2054	2054	2054	2054	2054	
5°	2054	2048	2045	2045	2051	195
15°	1983	1977	1977	1974	1980	560
25°	1848	1839	1836	1833	1836	851
35°	1645	1639	1636	1636	1636	1030
45°	1398	1389	1389	1383	1383	1077
55°	1103	1100	1098	1089	1089	986
65°	777	777	774	762	762	770
75°	447	441	436	427	427	471
85°	130	126	126	121	121	144
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2053.8	2053.8	2053.8	2053.8	2053.8
2.5°	2059.7	2053.8	2050.8	2050.8	2053.8
5°	2053.8	2047.9	2045.0	2045.0	2050.8
7.5°	2045.0	2036.1	2036.1	2033.2	2039.1
10°	2030.2	2021.4	2021.4	2018.5	2024.4
12.5°	2009.6	2000.8	1997.9	1997.9	2003.8
15°	1983.2	1977.3	1977.3	1974.3	1980.2
17.5°	1956.7	1947.9	1947.9	1944.9	1950.8
20°	1921.4	1915.5	1912.5	1912.5	1918.4
22.5°	1886.1	1880.2	1877.2	1877.2	1877.2
25°	1847.8	1839.0	1836.0	1833.1	1836.0
27.5°	1803.7	1791.9	1791.9	1789.0	1791.9
30°	1750.7	1744.8	1741.9	1738.9	1741.9
32.5°	1700.7	1691.9	1688.9	1691.9	1691.9
35°	1644.8	1638.9	1636.0	1636.0	1636.0
37.5°	1588.9	1580.1	1580.1	1577.1	1577.1
40°	1527.1	1521.2	1518.3	1518.3	1518.3
42.5°	1462.4	1456.5	1453.5	1450.6	1450.6
45°	1397.6	1388.8	1388.8	1382.9	1382.9
47.5°	1327.0	1321.1	1318.2	1312.3	1312.3
50°	1256.4	1250.5	1244.6	1244.6	1241.7
52.5°	1176.9	1176.9	1174.0	1168.1	1168.1
55°	1103.4	1100.4	1097.5	1088.7	1088.7
57.5°	1026.9	1023.9	1018.1	1009.2	1009.2
60°	941.6	941.6	938.6	926.8	929.8
62.5°	862.1	859.2	856.2	847.4	844.5
65°	776.8	776.8	773.8	762.1	762.1
67.5°	694.4	694.4	688.5	676.7	676.7
70°	615.0	606.1	603.2	594.4	591.4
72.5°	526.7	523.7	517.9	509.0	509.0
75°	447.2	441.4	435.5	426.6	426.6
77.5°	361.9	356.0	350.1	347.2	341.3
80°	282.5	279.5	276.6	267.8	264.8
82.5°	203.0	200.1	197.1	194.2	191.3
85°	129.5	126.5	126.5	120.6	120.6
87.5°	55.9	58.8	53.0	55.9	53.0
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)