

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: P568587

Luminaire Tested: **24CGTX-80-L950**

Issue Date: 9/19/2022



**Test Information**

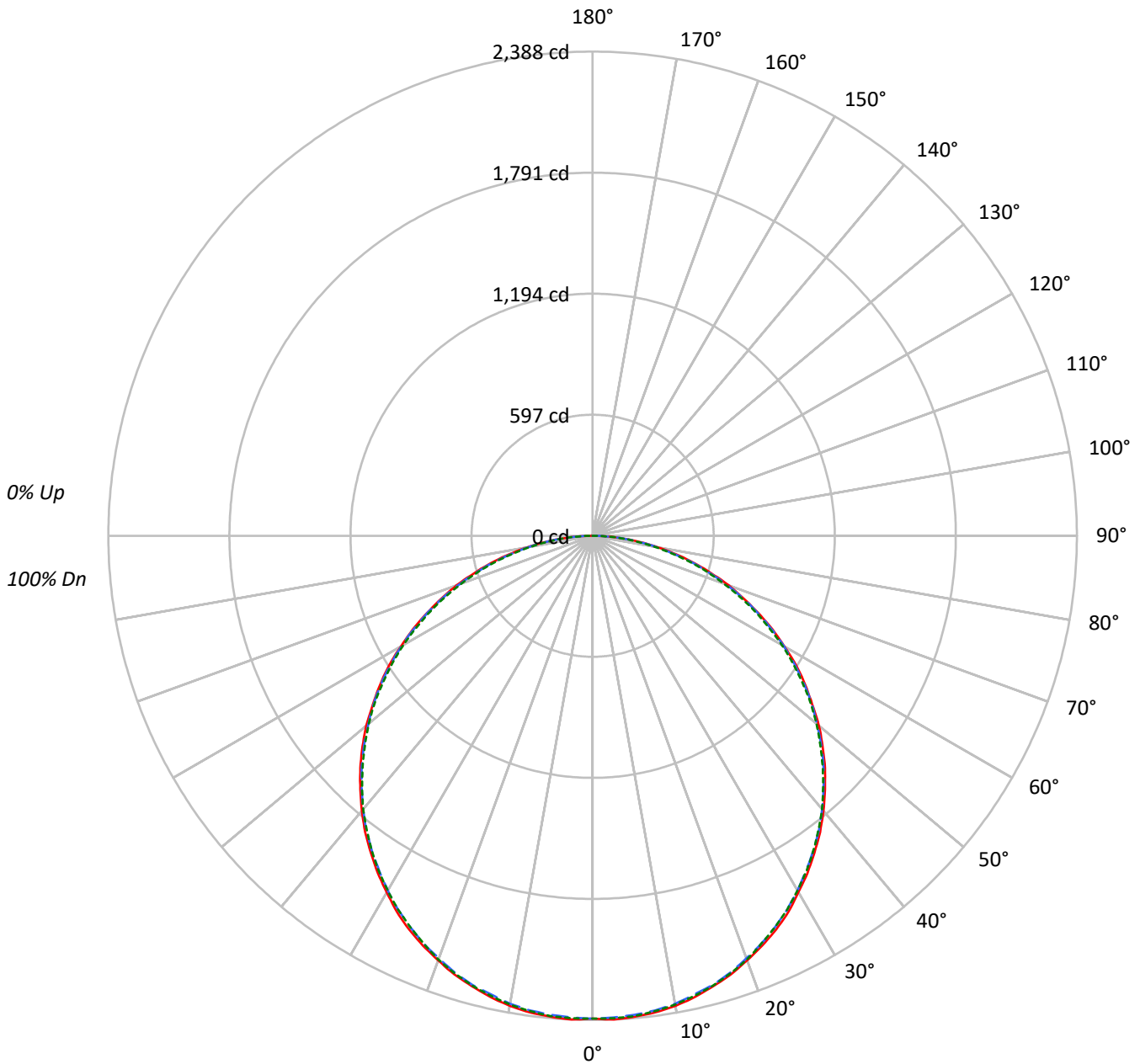
Test Method: LM-79-08  
Report Number: P568587  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-80-L950  
Description: 2X4 8000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6998.0 lumens  
Efficiency: N/A  
Efficacy: 103.5 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): 67.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3204	3204	3204
5°	3217	3203	3212
10°	3216	3202	3207
15°	3203	3194	3198
20°	3190	3175	3185
25°	3181	3161	3161
30°	3154	3138	3138
35°	3133	3116	3116
40°	3110	3092	3092
45°	3084	3064	3051
50°	3050	3021	3014
55°	3001	2985	2961
60°	2938	2929	2901
65°	2868	2857	2813
70°	2805	2751	2698
75°	2696	2625	2572
80°	2538	2485	2380
85°	2317	2265	2160



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.7	3.2
10°-20°	647.1	9.2
20°-30°	981.9	14.0
30°-40°	1188.1	17.0
40°-50°	1241.2	17.7
50°-60°	1135.4	16.2
60°-70°	883.7	12.6
70°-80°	532.6	7.6
80°-90°	162.3	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°	1854.7	26.5
0°-40°	3042.8	43.5
0°-60°	5419.3	77.4
0°-90°	6998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2382	2375	2371	2371	2378	226
15°	2300	2293	2293	2289	2296	649
25°	2143	2132	2129	2126	2129	987
35°	1907	1900	1897	1897	1897	1194
45°	1621	1610	1610	1604	1604	1249
55°	1280	1276	1273	1262	1262	1143
65°	901	901	897	884	884	893
75°	519	512	505	495	495	546
85°	150	147	147	140	140	167
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2381.5	2381.5	2381.5	2381.5	2381.5
2.5°	2388.3	2381.5	2378.1	2378.1	2381.5
5°	2381.5	2374.7	2371.3	2371.3	2378.1
7.5°	2371.3	2361.0	2361.0	2357.6	2364.4
10°	2354.2	2344.0	2344.0	2340.6	2347.4
12.5°	2330.3	2320.1	2316.7	2316.7	2323.5
15°	2299.6	2292.8	2292.8	2289.4	2296.2
17.5°	2268.9	2258.7	2258.7	2255.3	2262.1
20°	2228.0	2221.1	2217.7	2217.7	2224.6
22.5°	2187.0	2180.2	2176.8	2176.8	2176.8
25°	2142.7	2132.4	2129.0	2125.6	2129.0
27.5°	2091.5	2077.8	2077.8	2074.4	2077.8
30°	2030.1	2023.2	2019.8	2016.4	2019.8
32.5°	1972.1	1961.8	1958.4	1961.8	1961.8
35°	1907.2	1900.4	1897.0	1897.0	1897.0
37.5°	1842.4	1832.2	1832.2	1828.8	1828.8
40°	1770.8	1763.9	1760.5	1760.5	1760.5
42.5°	1695.7	1688.9	1685.5	1682.1	1682.1
45°	1620.6	1610.4	1610.4	1603.6	1603.6
47.5°	1538.8	1531.9	1528.5	1521.7	1521.7
50°	1456.9	1450.1	1443.2	1443.2	1439.8
52.5°	1364.8	1364.8	1361.3	1354.5	1354.5
55°	1279.5	1276.0	1272.6	1262.4	1262.4
57.5°	1190.7	1187.3	1180.5	1170.3	1170.3
60°	1091.8	1091.8	1088.4	1074.7	1078.2
62.5°	999.7	996.3	992.9	982.6	979.2
65°	900.7	900.7	897.3	883.7	883.7
67.5°	805.2	805.2	798.4	784.7	784.7
70°	713.1	702.8	699.4	689.2	685.8
72.5°	610.7	607.3	600.5	590.3	590.3
75°	518.6	511.8	505.0	494.7	494.7
77.5°	419.7	412.8	406.0	402.6	395.8
80°	327.5	324.1	320.7	310.5	307.1
82.5°	235.4	232.0	228.6	225.2	221.8
85°	150.1	146.7	146.7	139.9	139.9
87.5°	64.8	68.2	61.4	64.8	61.4
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)