

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: P568527

Luminaire Tested: **24CGTX-80-L930**

Issue Date: 9/19/2022

**Test Information**

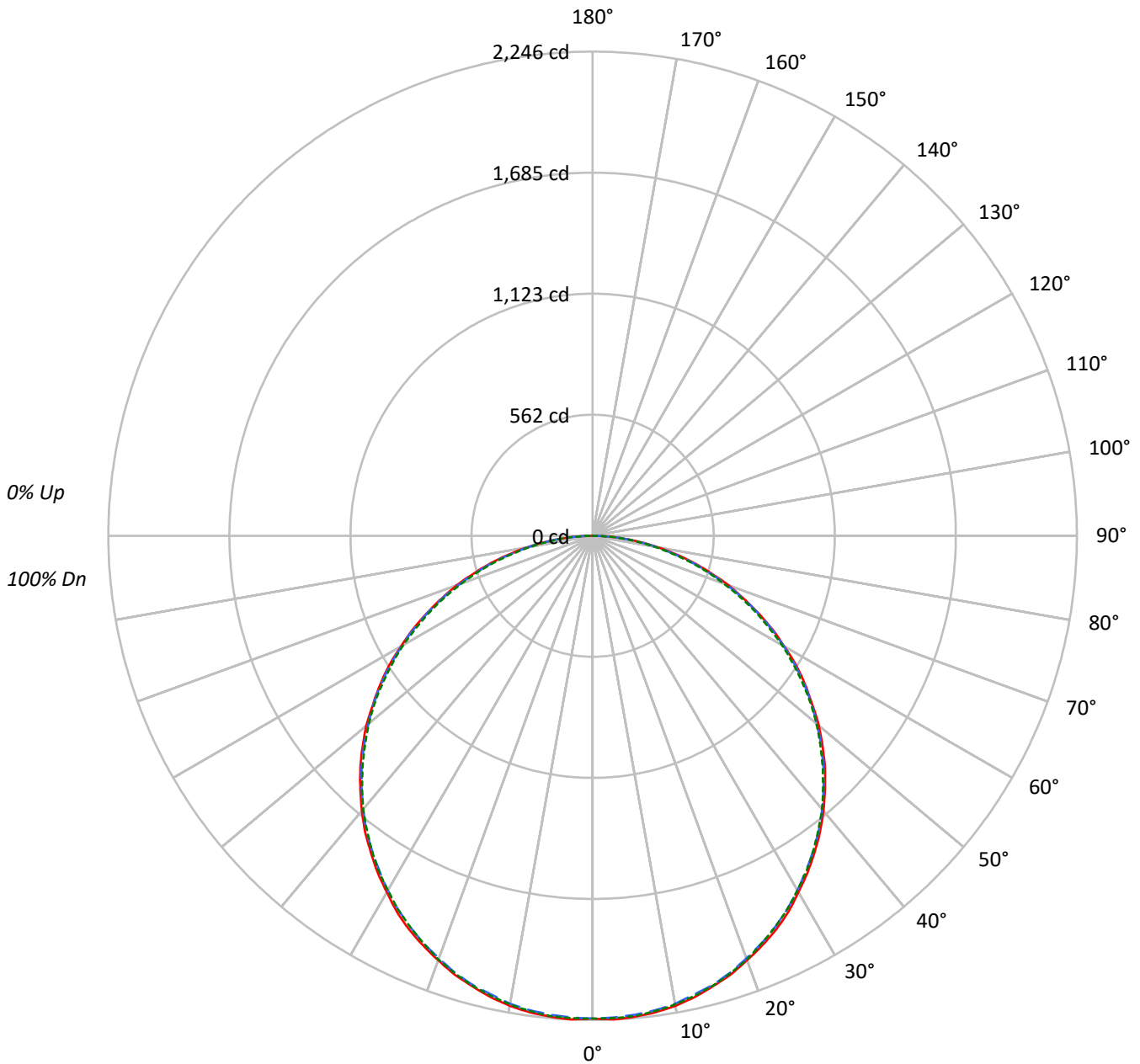
Test Method: LM-79-08  
Report Number: P568527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-80-L930  
Description: 2X4 8000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6581.0 lumens  
Efficiency: N/A  
Efficacy: 97.4 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°	3013	3013	3013
5°	3025	3012	3021
10°	3025	3012	3016
15°	3012	3003	3008
20°	3000	2986	2995
25°	2991	2972	2972
30°	2966	2951	2951
35°	2946	2930	2930
40°	2925	2908	2908
45°	2900	2882	2869
50°	2868	2841	2834
55°	2822	2807	2785
60°	2763	2754	2728
65°	2697	2687	2646
70°	2638	2588	2537
75°	2535	2469	2418
80°	2386	2337	2238
85°	2180	2130	2032



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.2	3.2
10°-20°	608.5	9.2
20°-30°	923.4	14.0
30°-40°	1117.3	17.0
40°-50°	1167.2	17.7
50°-60°	1067.7	16.2
60°-70°	831.0	12.6
70°-80°	500.9	7.6
80°-90°	152.7	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°	1744.2	26.5
0°-40°	2861.5	43.5
0°-60°	5096.4	77.4
0°-90°	6581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2240	2240	2240	2240	2240	
5°	2240	2233	2230	2230	2236	213
15°	2163	2156	2156	2153	2159	611
25°	2015	2005	2002	1999	2002	928
35°	1794	1787	1784	1784	1784	1123
45°	1524	1514	1514	1508	1508	1175
55°	1203	1200	1197	1187	1187	1075
65°	847	847	844	831	831	840
75°	488	481	475	465	465	513
85°	141	138	138	132	132	157
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2239.6	2239.6	2239.6	2239.6	2239.6
2.5°	2246.0	2239.6	2236.4	2236.4	2239.6
5°	2239.6	2233.2	2230.0	2230.0	2236.4
7.5°	2230.0	2220.3	2220.3	2217.1	2223.5
10°	2213.9	2204.3	2204.3	2201.1	2207.5
12.5°	2191.5	2181.8	2178.6	2178.6	2185.0
15°	2162.6	2156.2	2156.2	2153.0	2159.4
17.5°	2133.7	2124.1	2124.1	2120.9	2127.3
20°	2095.2	2088.8	2085.6	2085.6	2092.0
22.5°	2056.7	2050.3	2047.1	2047.1	2047.1
25°	2015.0	2005.4	2002.2	1998.9	2002.2
27.5°	1966.9	1954.0	1954.0	1950.8	1954.0
30°	1909.1	1902.7	1899.5	1896.3	1899.5
32.5°	1854.6	1844.9	1841.7	1844.9	1844.9
35°	1793.6	1787.2	1784.0	1784.0	1784.0
37.5°	1732.6	1723.0	1723.0	1719.8	1719.8
40°	1665.3	1658.8	1655.6	1655.6	1655.6
42.5°	1594.7	1588.2	1585.0	1581.8	1581.8
45°	1524.1	1514.4	1514.4	1508.0	1508.0
47.5°	1447.1	1440.7	1437.4	1431.0	1431.0
50°	1370.1	1363.6	1357.2	1357.2	1354.0
52.5°	1283.4	1283.4	1280.2	1273.8	1273.8
55°	1203.2	1200.0	1196.8	1187.2	1187.2
57.5°	1119.8	1116.6	1110.2	1100.5	1100.5
60°	1026.7	1026.7	1023.5	1010.7	1013.9
62.5°	940.1	936.9	933.7	924.1	920.9
65°	847.1	847.1	843.9	831.0	831.0
67.5°	757.2	757.2	750.8	738.0	738.0
70°	670.6	661.0	657.8	648.1	644.9
72.5°	574.3	571.1	564.7	555.1	555.1
75°	487.7	481.3	474.9	465.2	465.2
77.5°	394.7	388.2	381.8	378.6	372.2
80°	308.0	304.8	301.6	292.0	288.8
82.5°	221.4	218.2	215.0	211.8	208.6
85°	141.2	138.0	138.0	131.6	131.6
87.5°	61.0	64.2	57.8	61.0	57.8
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)